

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080918\
 Data File : VD059720.D
 Acq On : 9 Aug 2018 17:23
 Operator : VA/AP
 Sample : VD0809SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0809SBS01

Quant Time: Aug 10 01:16:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	149020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	176386	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	146267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	81357	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	126175	65.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.64%	
35) Dibromofluoromethane	5.54	113	94216	59.47	ug/l	0.02
Spiked Amount	50.000		Recovery	=	118.94%	
50) Toluene-d8	8.70	98	179669	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	11.93	95	87452	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	42099	20.13	ug/l	100
3) Chloromethane	1.47	50	15361	16.48	ug/l	94
4) Vinyl Chloride	1.54	62	19108	17.56	ug/l	93
5) Bromomethane	1.78	94	6724	18.78	ug/l	97
6) Chloroethane	1.86	64	9490	21.46	ug/l	97
7) Trichlorofluoromethane	2.07	101	43834	24.71	ug/l	99
8) Diethyl Ether	2.34	74	7459	22.96	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.54	101	23180	23.14	ug/l	95
10) Methyl Iodide	2.68	142	23240	20.18	ug/l	89
11) Tert butyl alcohol	3.27	59	9332	133.79	ug/l #	76
12) 1,1-Dichloroethene	2.53	96	16082	21.97	ug/l	91
13) Acrolein	2.47	56	6299	96.14	ug/l	93
14) Allyl chloride	2.91	41	36249	21.64	ug/l	85
15) Acrylonitrile	3.35	53	19557	101.09	ug/l	93
16) Acetone	2.60	43	35861	99.59	ug/l	94
17) Carbon Disulfide	2.74	76	52926	20.01	ug/l	98
18) Methyl Acetate	2.93	43	13162	19.78	ug/l #	91
19) Methyl tert-butyl Ether	3.39	73	69588	24.91	ug/l	98
20) Methylene Chloride	3.06	84	23065	16.48	ug/l	92
21) trans-1,2-Dichloroethene	3.37	96	19467	20.32	ug/l	94
22) Diisopropyl ether	4.07	45	66706	16.93	ug/l	98
23) Vinyl Acetate	4.01	43	240561	96.31	ug/l	99
24) 1,1-Dichloroethane	3.97	63	55423	21.25	ug/l	98
25) 2-Butanone	4.83	43	33855	71.58	ug/l	92
26) 2,2-Dichloropropane	4.79	77	60108	21.58	ug/l	94
27) cis-1,2-Dichloroethene	4.80	96	22955	16.50	ug/l	81
28) Bromochloromethane	5.14	49	18896	19.63	ug/l	87
29) Tetrahydrofuran	5.17	42	14090	76.92	ug/l	96
30) Chloroform	5.32	83	67416	21.21	ug/l	99
31) Cyclohexane	5.58	56	27692	13.93	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	72010	23.29	ug/l	91
36) 1,1-Dichloropropene	5.74	75	40392	20.60	ug/l	99
37) Ethyl Acetate	4.92	43	19117	20.08	ug/l #	91
38) Carbon Tetrachloride	5.71	117	68588	26.14	ug/l	97

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 Operator : VA/AP
 Sample : VD0809SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0809SBS01

Quant Time: Aug 10 01:16:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	27592	16.65	ug/l	99
40) Benzene	6.01	78	66295	17.43	ug/l	99
41) Methacrylonitrile	5.11	41	9700	21.79	ug/l #	84
42) 1,2-Dichloroethane	6.12	62	60284	25.64	ug/l	97
43) Isopropyl Acetate	7.61	43	23739	19.08	ug/l	89
44) Trichloroethene	6.97	130	28899	20.80	ug/l	91
45) 1,2-Dichloropropane	7.34	63	18132	18.06	ug/l	95
46) Dibromomethane	7.46	93	19039	21.88	ug/l	91
47) Bromodichloromethane	7.74	83	50651	22.85	ug/l	97
48) Methyl methacrylate	7.50	41	17214	20.96	ug/l #	82
49) 1,4-Dioxane	7.49	88	2161	330.73	ug/l #	81
51) 4-Methyl-2-Pentanone	8.59	43	81638	89.95	ug/l	96
52) Toluene	8.80	92	45121	18.60	ug/l	93
53) t-1,3-Dichloropropene	9.18	75	41672	22.22	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	39901	20.66	ug/l	96
55) 1,1,2-Trichloroethane	9.45	97	18753	20.13	ug/l #	85
56) Ethyl methacrylate	9.31	69	20826	20.26	ug/l	91
57) 1,3-Dichloropropane	9.67	76	29223	20.21	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.18	63	50376	102.85	ug/l	97
59) 2-Hexanone	9.78	43	61313	89.96	ug/l	96
60) Dibromochloromethane	9.95	129	35846	24.21	ug/l	95
61) 1,2-Dibromoethane	10.09	107	23122	21.58	ug/l	97
64) Tetrachloroethene	9.51	164	27957	20.19	ug/l	94
65) Chlorobenzene	10.72	112	58392	18.94	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	31266	23.14	ug/l	99
67) Ethyl Benzene	10.86	91	109892	19.80	ug/l	97
68) m/p-Xylenes	11.01	106	73425	41.35	ug/l	90
69) o-Xylene	11.41	106	31046	17.98	ug/l	97
70) Styrene	11.43	104	55128	19.02	ug/l	94
71) Bromoform	11.59	173	24153	23.72	ug/l #	96
73) Isopropylbenzene	11.77	105	111838	20.45	ug/l	97
74) N-amyl acetate	11.64	43	34399	19.67	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	20611	18.79	ug/l	92
76) 1,2,3-Trichloropropane	12.11	75	26405	21.00	ug/l	94
77) Bromobenzene	12.04	156	34555	21.68	ug/l	84
78) n-propylbenzene	12.15	91	132137	19.50	ug/l	98
79) 2-Chlorotoluene	12.21	91	85106	20.80	ug/l	94
80) 1,3,5-Trimethylbenzene	12.32	105	99872	21.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	5436	17.71	ug/l #	74
82) 4-Chlorotoluene	12.32	91	102165	21.33	ug/l	94
83) tert-Butylbenzene	12.58	119	110592	21.69	ug/l	95
84) 1,2,4-Trimethylbenzene	12.63	105	101219	20.97	ug/l	99
85) sec-Butylbenzene	12.76	105	116428	20.57	ug/l	100
86) p-Isopropyltoluene	12.88	119	100774	20.87	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	56355	20.49	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	51640	18.82	ug/l	91
89) n-Butylbenzene	13.20	91	97018	19.82	ug/l	97
90) Hexachloroethane	13.39	117	26676	21.32	ug/l	79
91) 1,2-Dichlorobenzene	13.19	146	46290	19.98	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.77	75	4935	21.54	ug/l	72

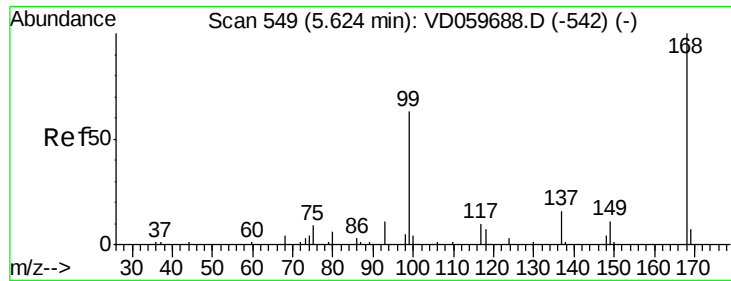
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080918\
Data File : VD059720.D
Acq On : 9 Aug 2018 17:23
Operator : VA/AP
Sample : VD0809SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0809SBSD01

Quant Time: Aug 10 01:16:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 08 02:03:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	44325	21.27	ug/l	96
94) Hexachlorobutadiene	14.44	225	37957	23.49	ug/l	99
95) Naphthalene	14.52	128	59232	19.19	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	38387	21.06	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

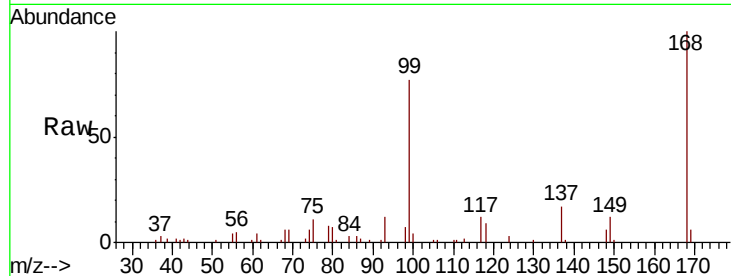
VD0809SBSD01

Tot Ion:168 Resp: 149020

Ion Ratio Lower Upper

168 100

99 77.1 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

60000

50000

40000

30000

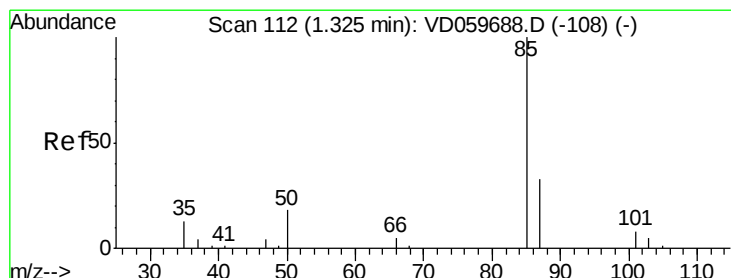
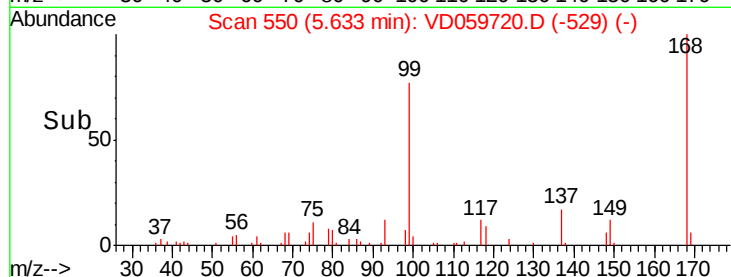
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.13 ug/l

RT: 1.33 min Scan# 113

Delta R.T. 0.01 min

Lab File: VD059720.D

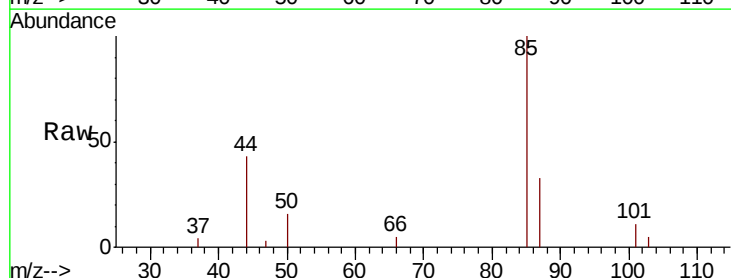
Acq: 9 Aug 2018 17:23

Tgt Ion: 85 Resp: 42099

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

25000

20000

15000

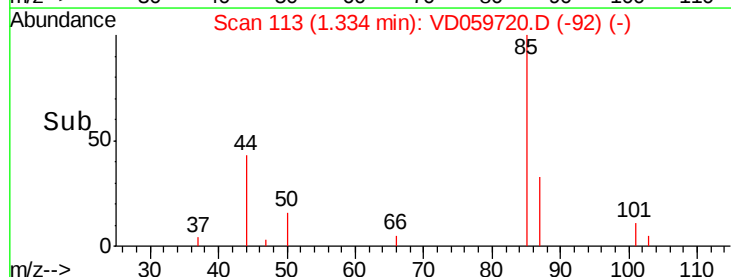
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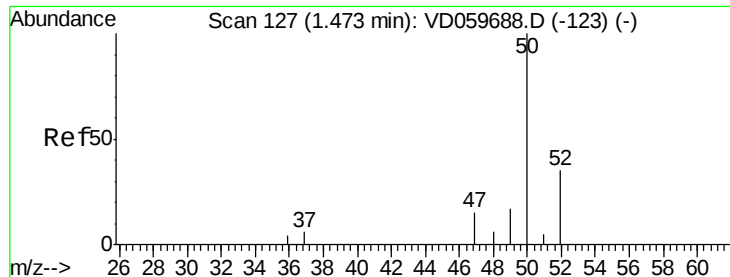
5000

0

Time-->

1.30 1.40 1.50





#3

Chloromethane

Concen: 16.48 ug/l

RT: 1.47 min Scan# 127

Delta R.T. -0.00 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

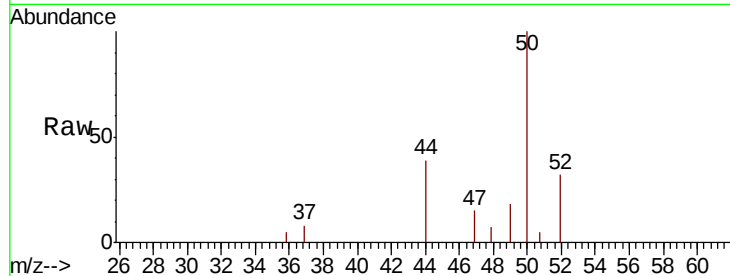
VD0809SBSD01

Tot Ion: 50 Resp: 15361

Ion Ratio Lower Upper

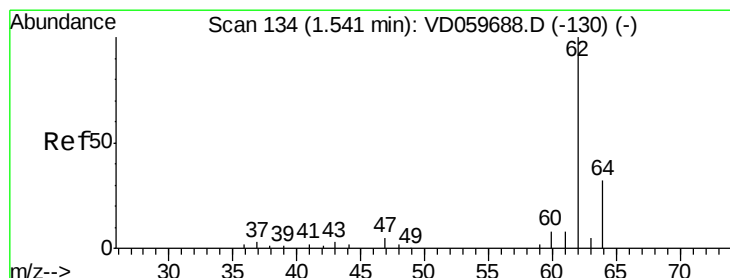
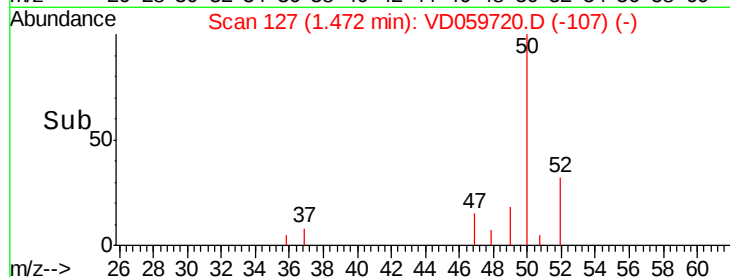
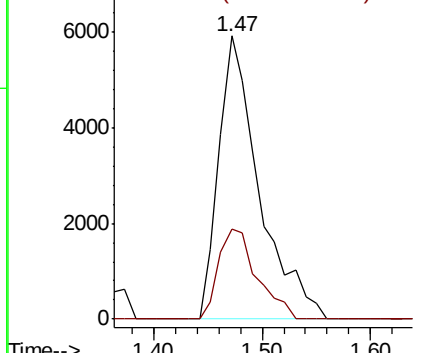
50 100

52 31.8 28.2 42.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.56 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.00 min

Lab File: VD059720.D

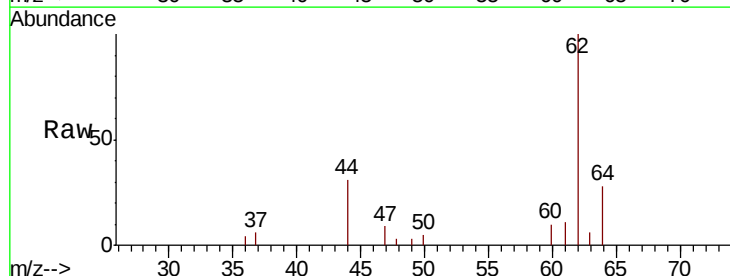
Acq: 9 Aug 2018 17:23

Tgt Ion: 62 Resp: 19108

Ion Ratio Lower Upper

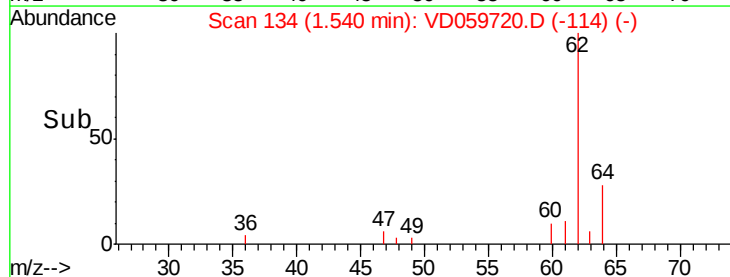
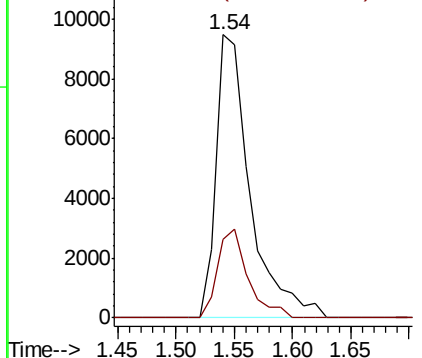
62 100

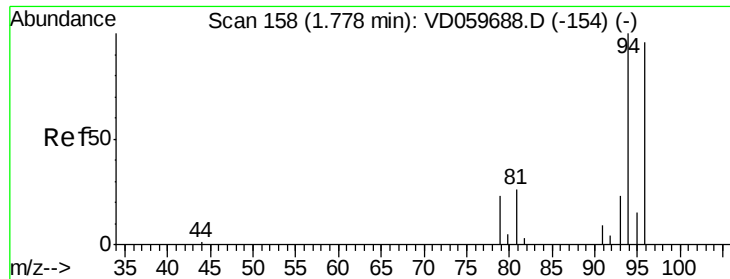
64 27.8 25.4 38.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

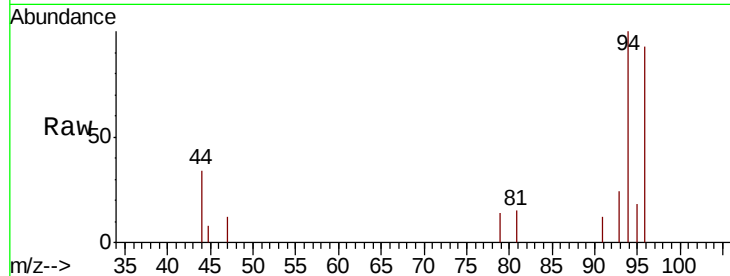




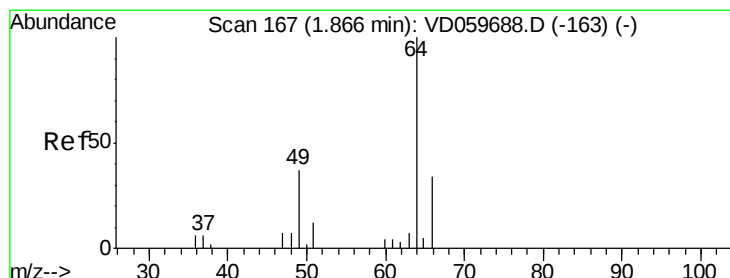
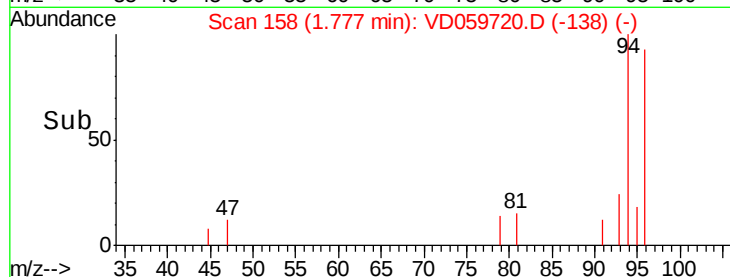
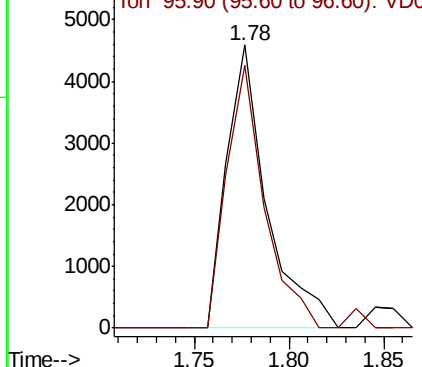
#5
Bromomethane
Concen: 18.78 ug/l
RT: 1.78 min Scan# 158
Delta R.T. -0.00 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Instrument :
MSVOA_D
ClientSampleId :
VD0809SBSD01

Tot Ion: 94 Resp: 6724
Ion Ratio Lower Upper
94 100
96 92.8 76.6 114.8

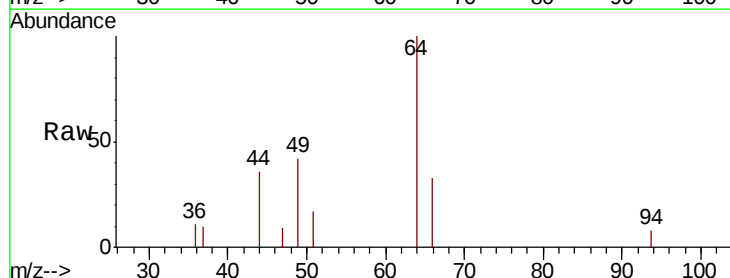


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

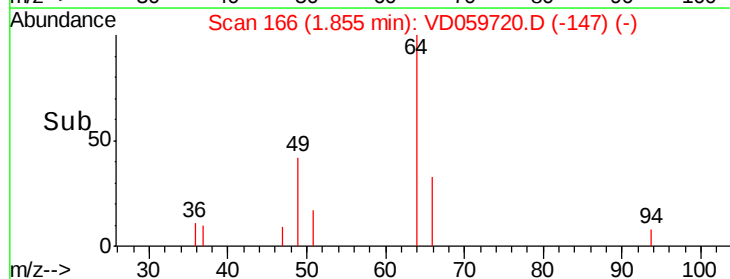
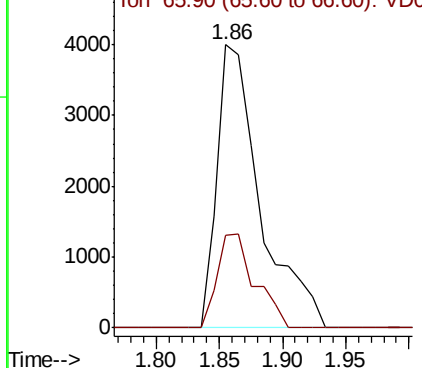


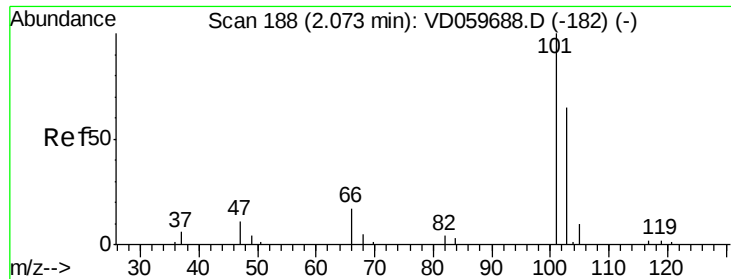
#6
Chloroethane
Concen: 21.46 ug/l
RT: 1.86 min Scan# 166
Delta R.T. -0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion: 64 Resp: 9490
Ion Ratio Lower Upper
64 100
66 32.6 27.2 40.8



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



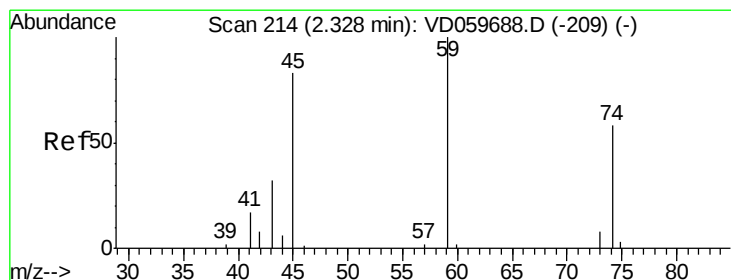
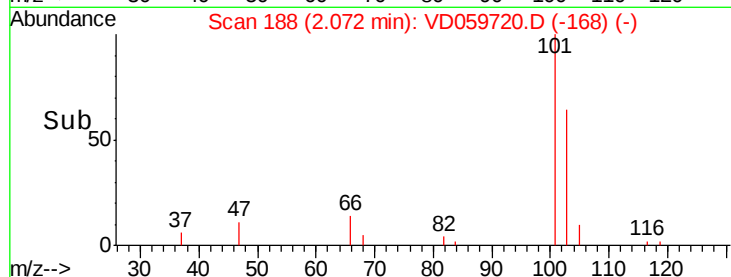
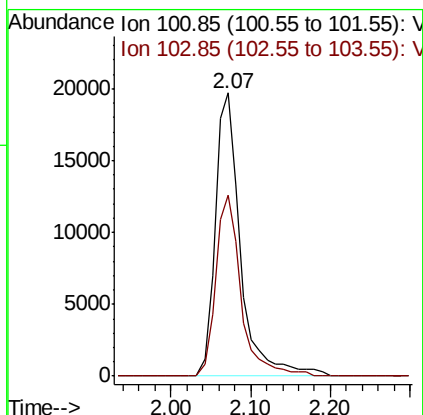
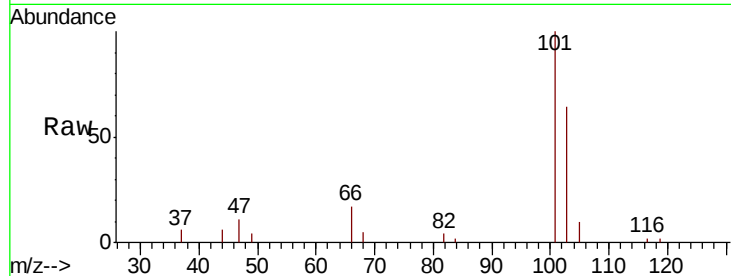


#7

Trichlorofluoromethane
 Concen: 24.71 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VD059720.D
 Acq: 9 Aug 2018 17:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0809SBSD01

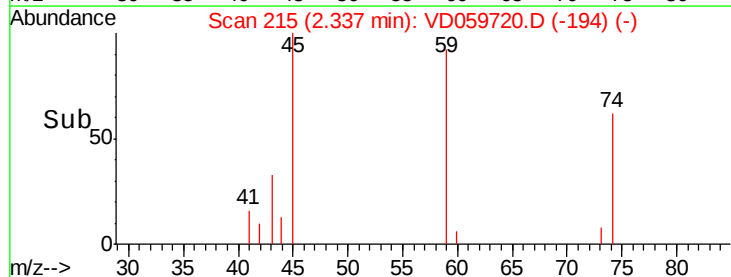
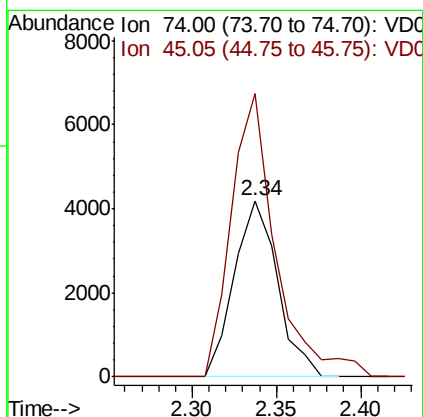
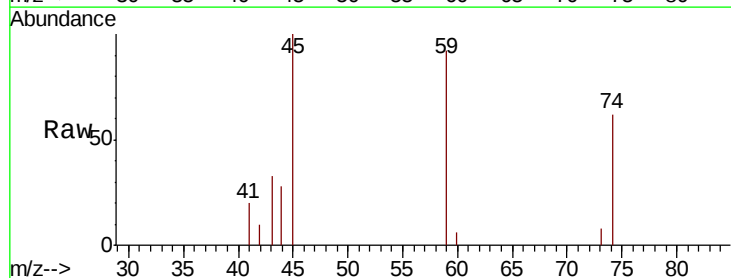
Tot Ion:101 Resp: 43834
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.7 77.5

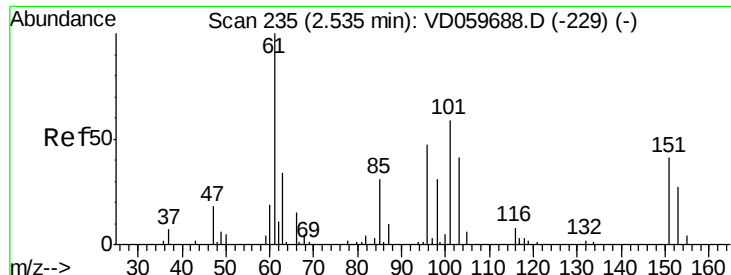


#8

Diethyl Ether
 Concen: 22.96 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. 0.01 min
 Lab File: VD059720.D
 Acq: 9 Aug 2018 17:23

Tgt Ion: 74 Resp: 7459
 Ion Ratio Lower Upper
 74 100
 45 160.6 71.4 214.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.14 ug/l

RT: 2.54 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VD0809SBSD01

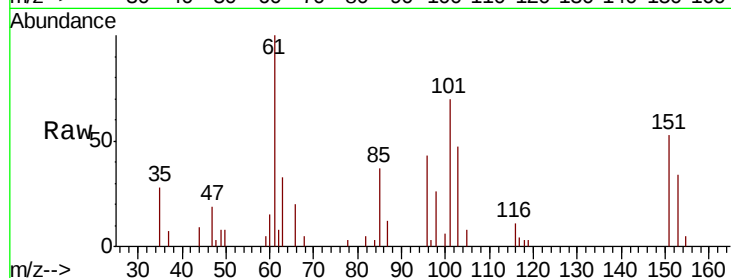
Tot Ion:101 Resp: 23180

Ion Ratio Lower Upper

101 100

85 53.0 42.2 63.4

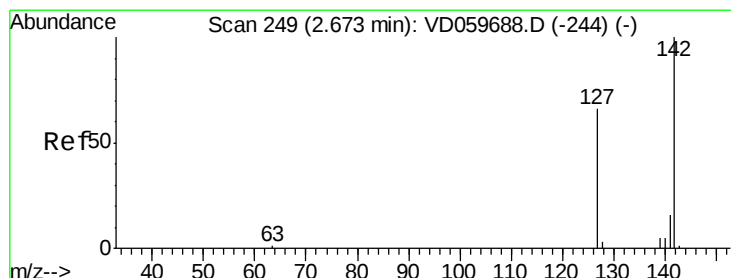
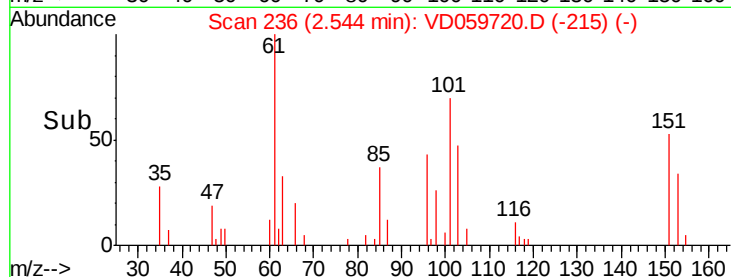
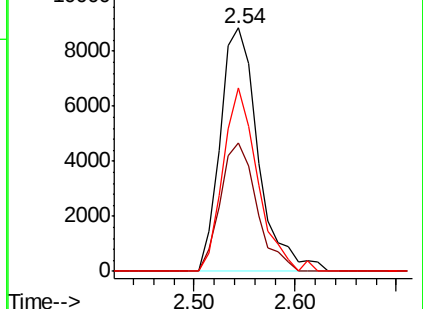
151 75.4 55.2 82.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.18 ug/l

RT: 2.68 min Scan# 250

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

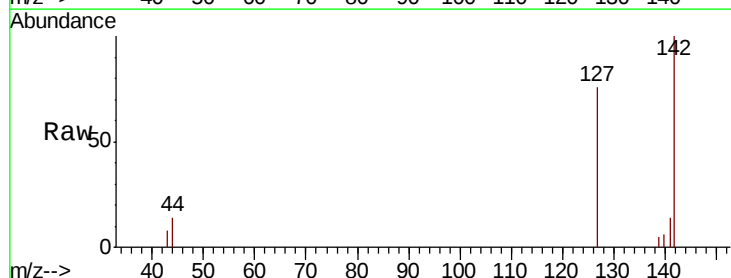
Tgt Ion:142 Resp: 23240

Ion Ratio Lower Upper

142 100

127 76.1 52.6 79.0

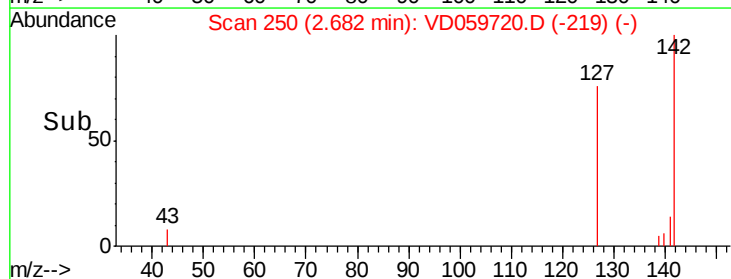
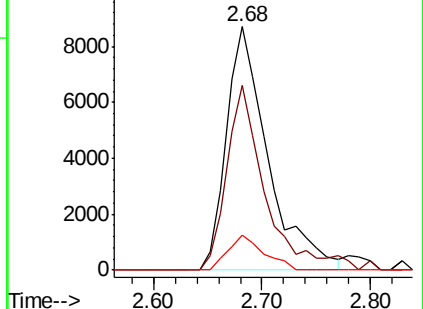
141 14.2 12.5 18.7

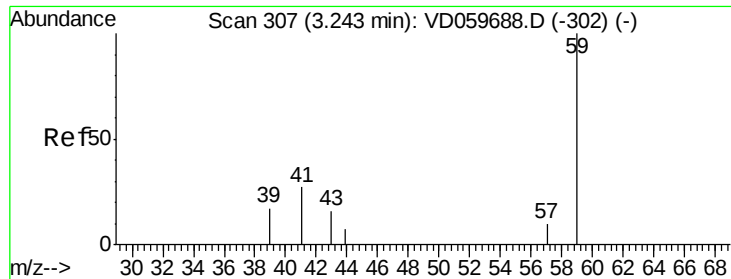


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

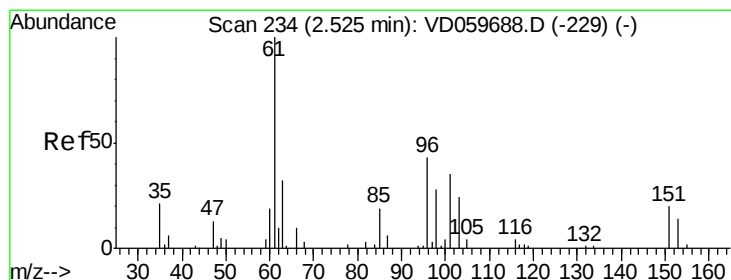
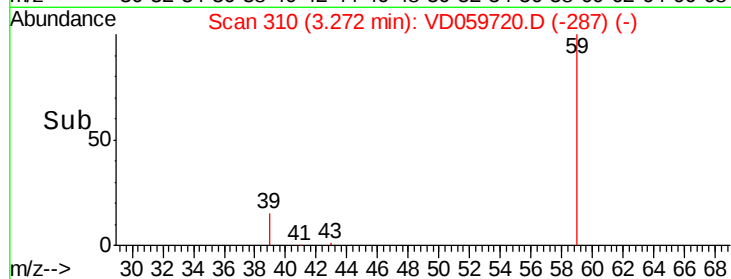
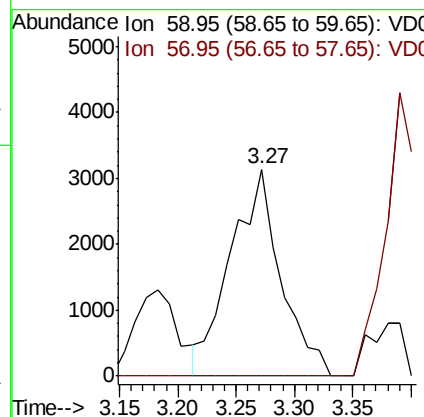
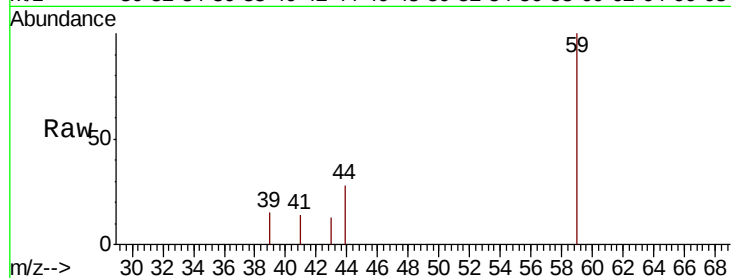




#11
Tert butyl alcohol
Concen: 133.79 ug/l
RT: 3.27 min Scan# 310
Delta R.T. 0.03 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

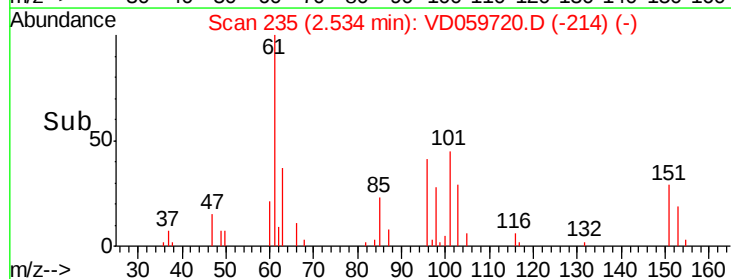
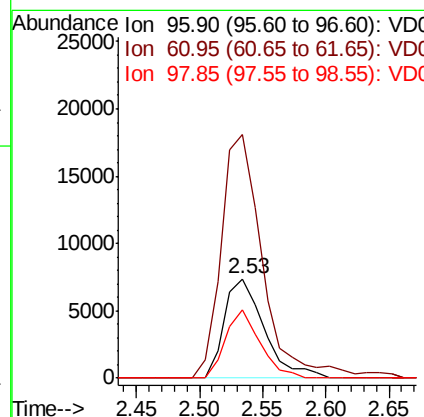
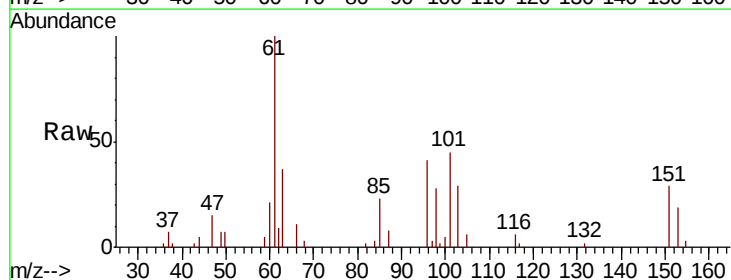
Instrument :
MSVOA_D
ClientSampleId :
VD0809SBSD01

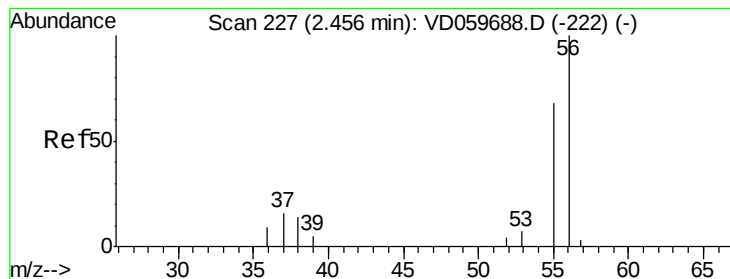
Tot Ion: 59 Resp: 9332
Ion Ratio Lower Upper
59 100
57 0.0 6.8 10.2#



#12
1,1-Dichloroethene
Concen: 21.97 ug/l
RT: 2.53 min Scan# 235
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion: 96 Resp: 16082
Ion Ratio Lower Upper
96 100
61 245.9 184.1 276.1
98 69.6 52.4 78.6





#13

Acrolein

Concen: 96.14 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

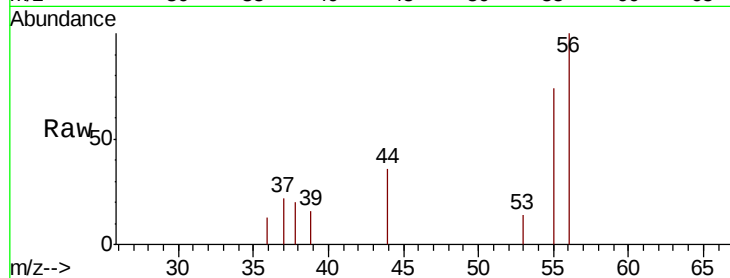
VD0809SBSD01

Tot Ion: 56 Resp: 6299

Ion Ratio Lower Upper

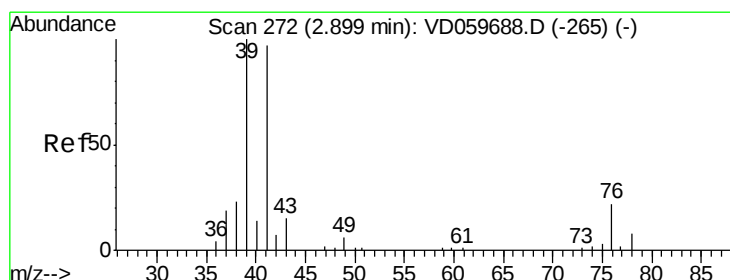
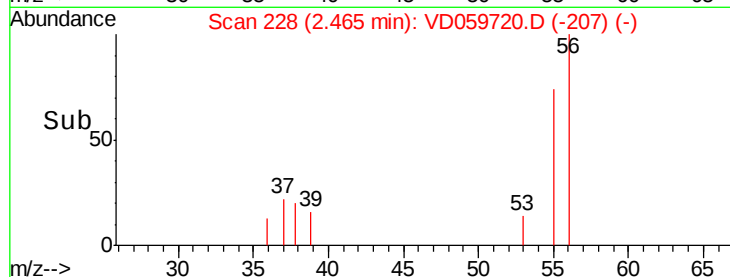
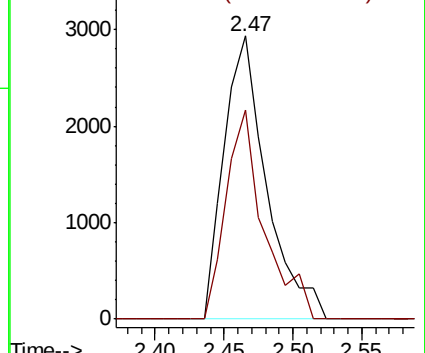
56 100

55 73.8 54.4 81.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.64 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

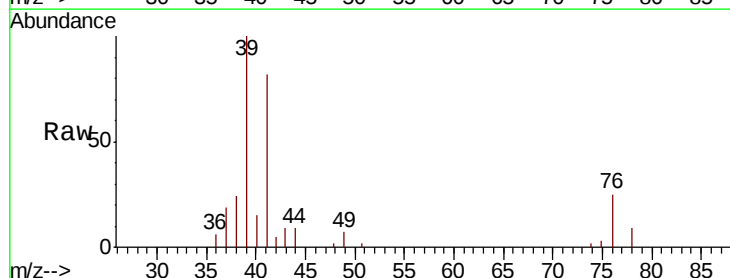
Tgt Ion: 41 Resp: 36249

Ion Ratio Lower Upper

41 100

39 121.7 82.5 123.7

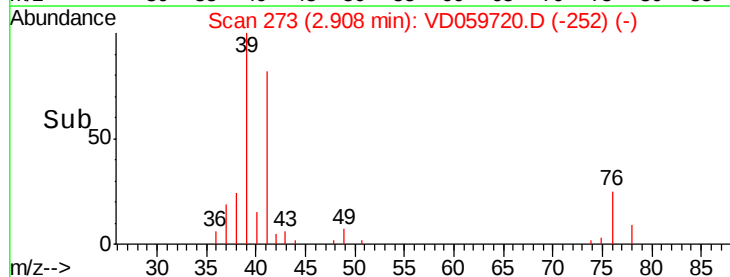
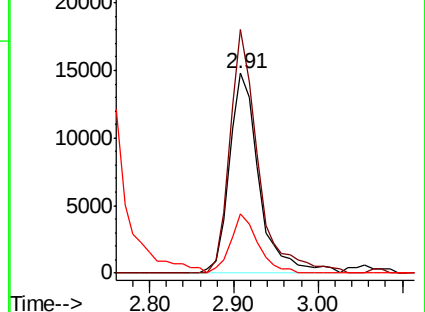
76 29.9 22.1 33.1

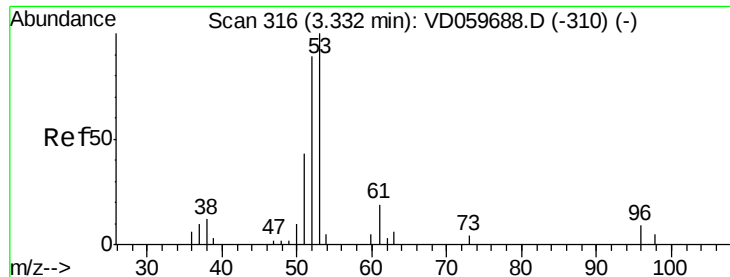


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 101.09 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.02 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VD0809SBS01

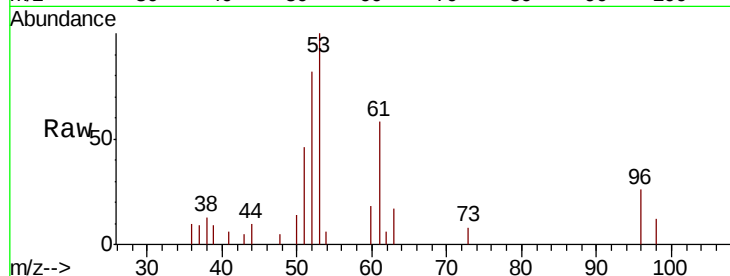
Tot Ion: 53 Resp: 19557

Ion Ratio Lower Upper

53 100

52 81.8 71.4 107.0

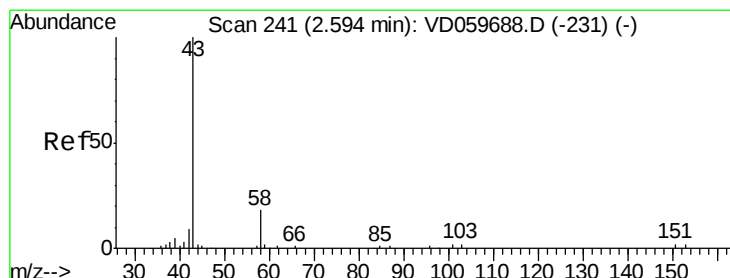
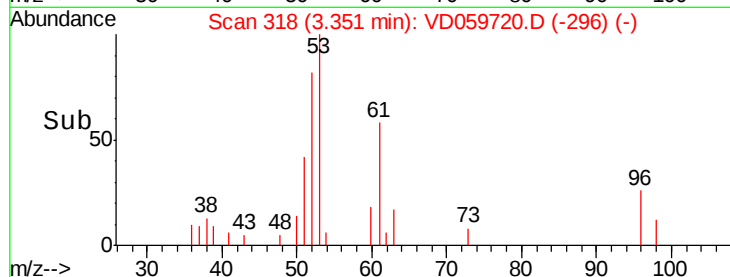
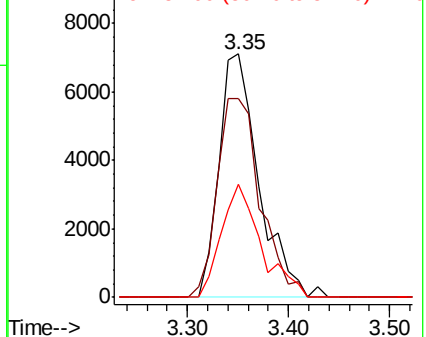
51 46.3 34.2 51.4



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 99.59 ug/l

RT: 2.60 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD059720.D

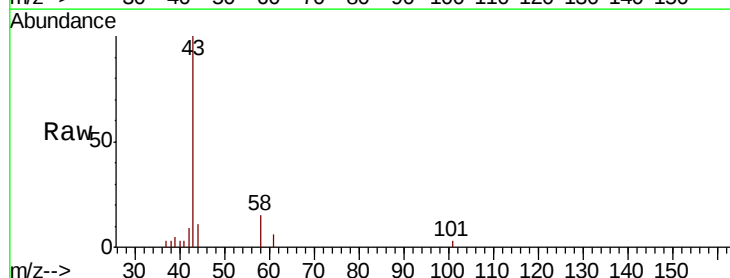
Acq: 9 Aug 2018 17:23

Tgt Ion: 43 Resp: 35861

Ion Ratio Lower Upper

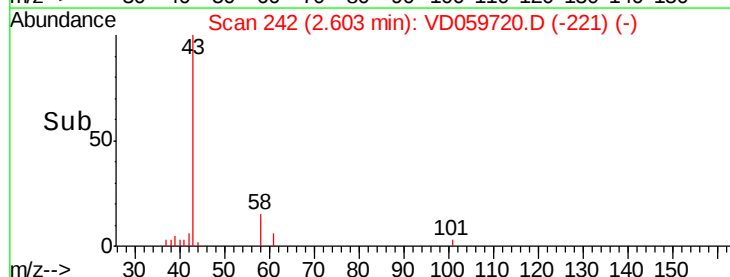
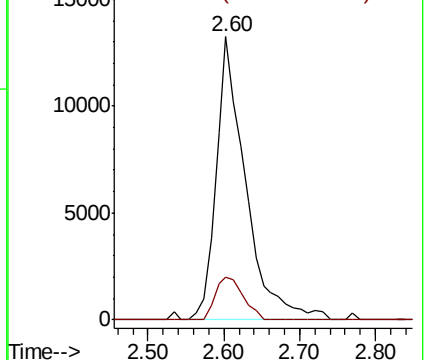
43 100

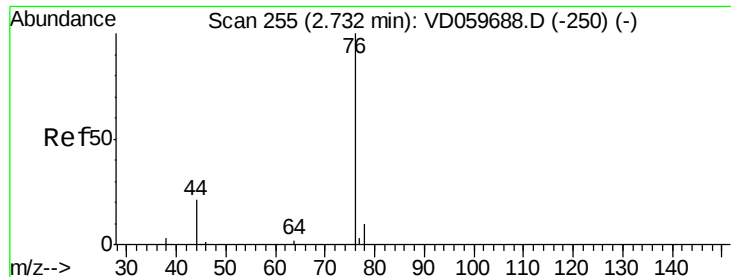
58 15.1 14.2 21.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

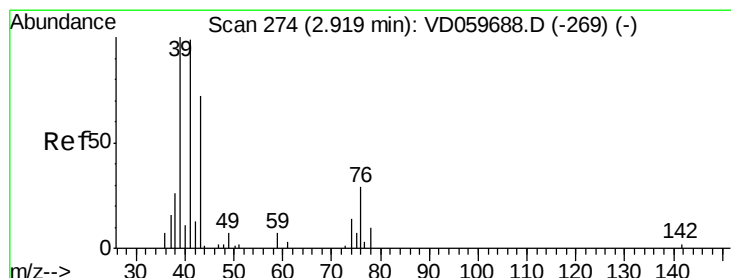
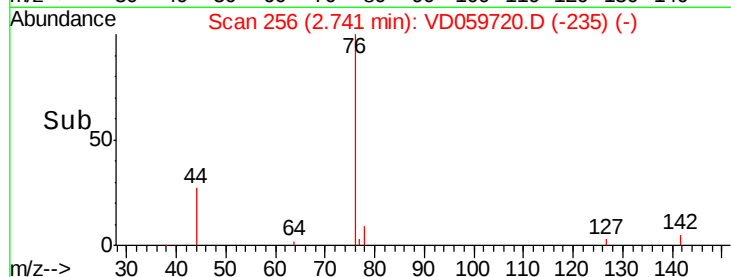
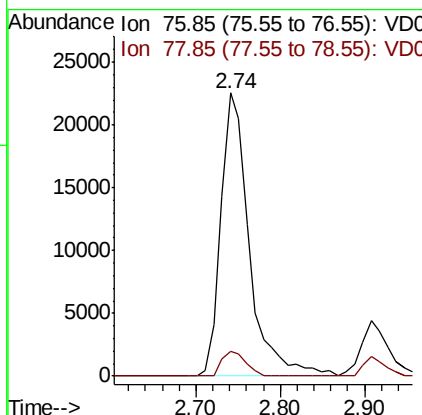
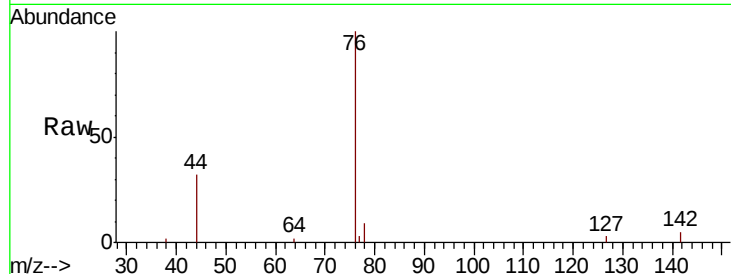




#17
Carbon Disulfide
Concen: 20.01 ug/l
RT: 2.74 min Scan# 256
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

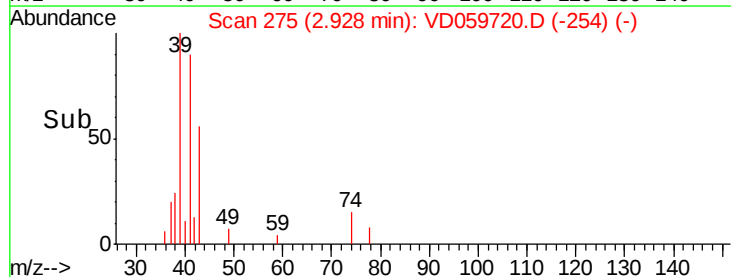
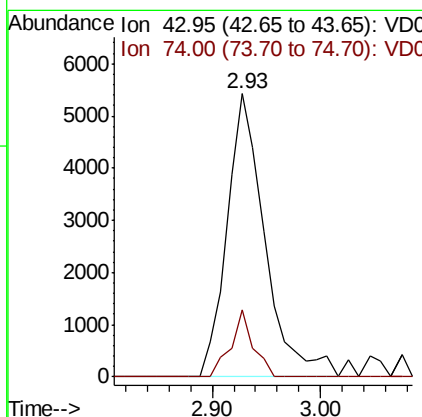
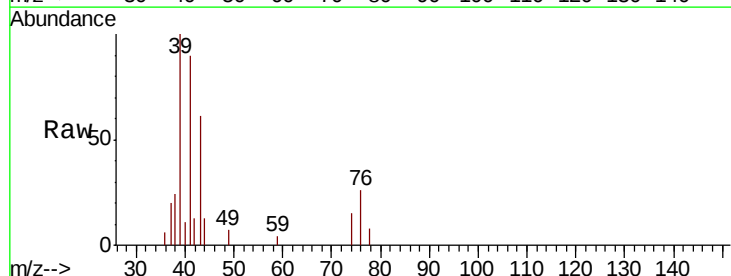
Instrument :
MSVOA_D
ClientSampleId :
VD0809SBSD01

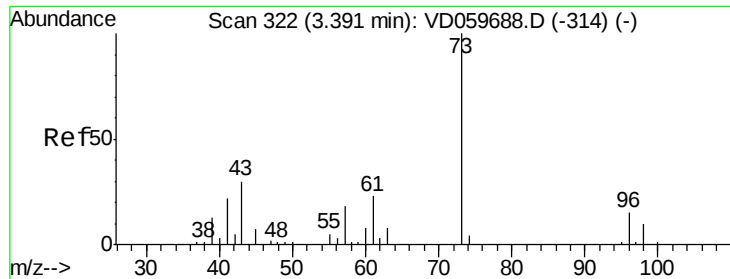
Tot Ion: 76 Resp: 52926
Ion Ratio Lower Upper
76 100
78 9.0 7.7 11.5



#18
Methyl Acetate
Concen: 19.78 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion: 43 Resp: 13162
Ion Ratio Lower Upper
43 100
74 23.8 15.7 23.5#

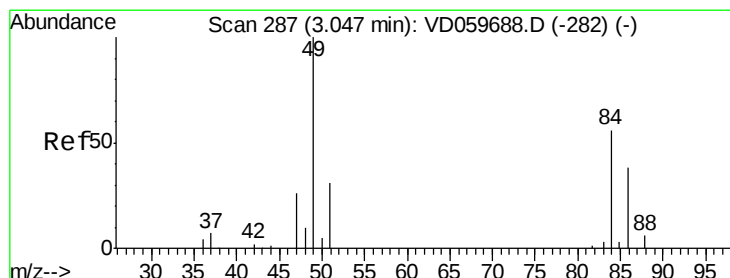
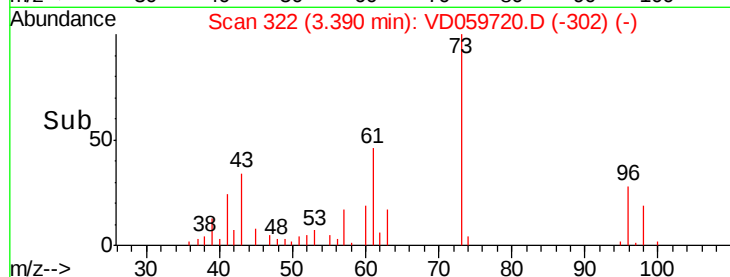
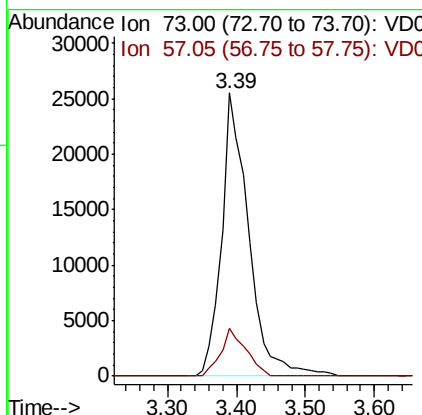
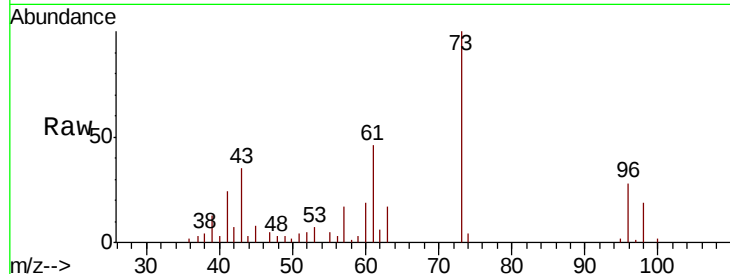




#19
Methyl tert-butyl Ether
Concen: 24.91 ug/l
RT: 3.39 min Scan# 322
Delta R.T. -0.00 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

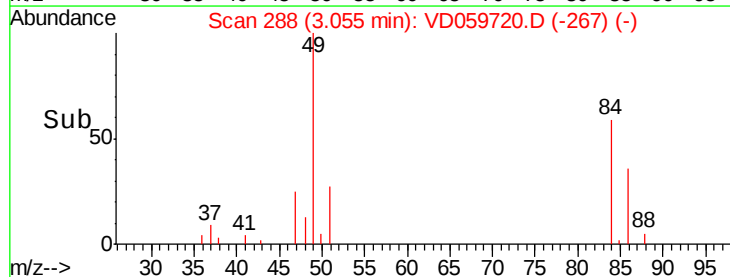
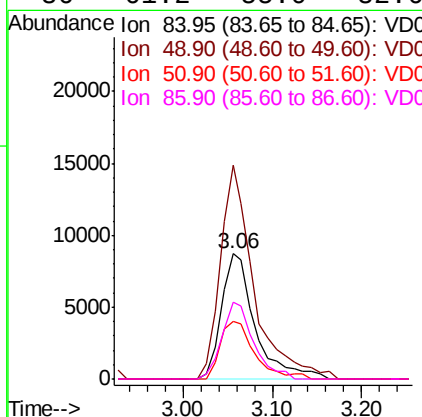
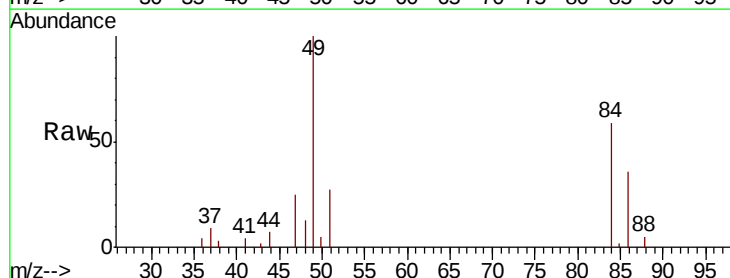
Instrument :
MSVOA_D
ClientSampleId :
VD0809SBSD01

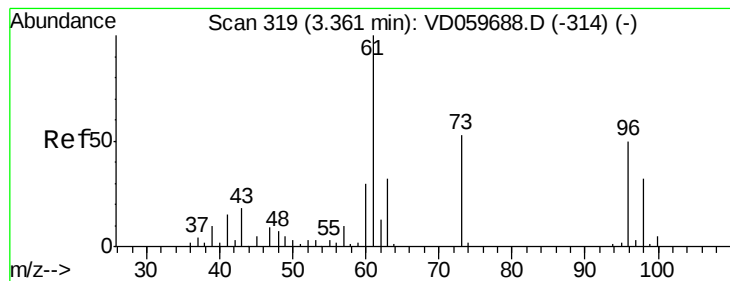
Tot Ion: 73 Resp: 69588
Ion Ratio Lower Upper
73 100
57 16.8 14.3 21.5



#20
Methylene Chloride
Concen: 16.48 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion: 84 Resp: 23065
Ion Ratio Lower Upper
84 100
49 170.9 143.4 215.2
51 46.0 44.2 66.4
86 61.2 55.0 82.6





#21

trans-1,2-Dichloroethene

Concen: 20.32 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VD0809SBS01

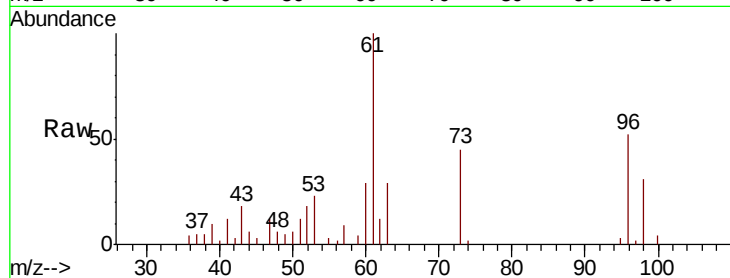
Tot Ion: 96 Resp: 19467

Ion Ratio Lower Upper

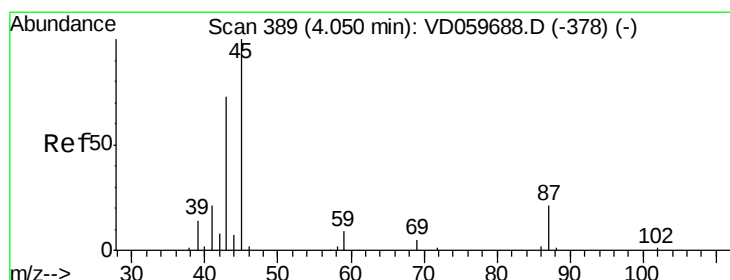
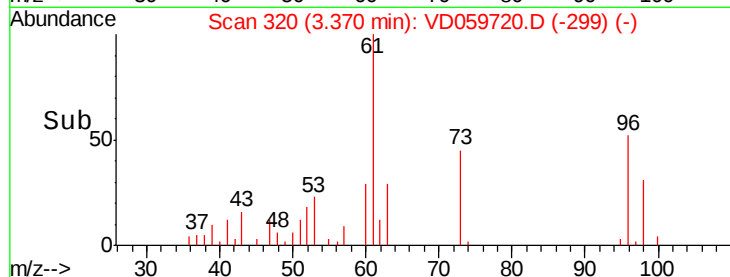
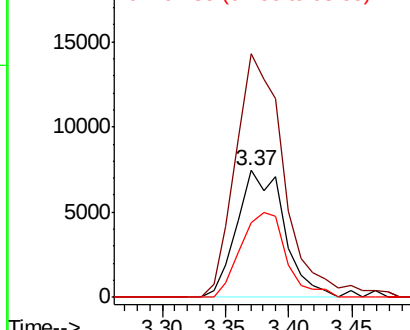
96 100

61 191.6 160.6 241.0

98 58.5 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 16.93 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.02 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Tgt Ion: 45 Resp: 66706

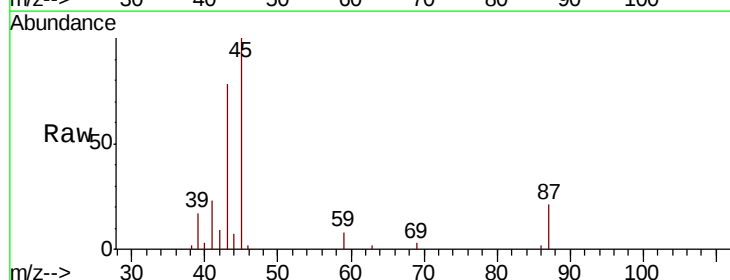
Ion Ratio Lower Upper

45 100

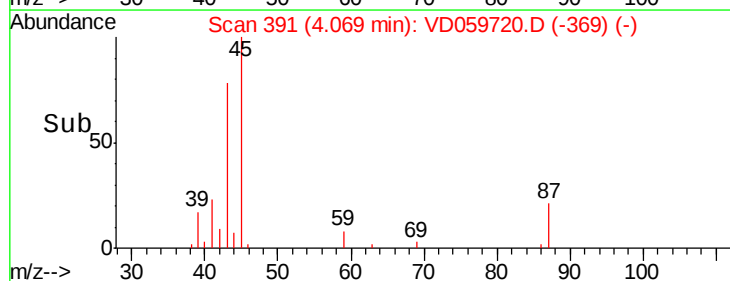
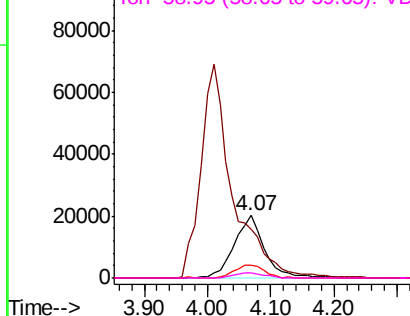
43 77.6 60.3 90.5

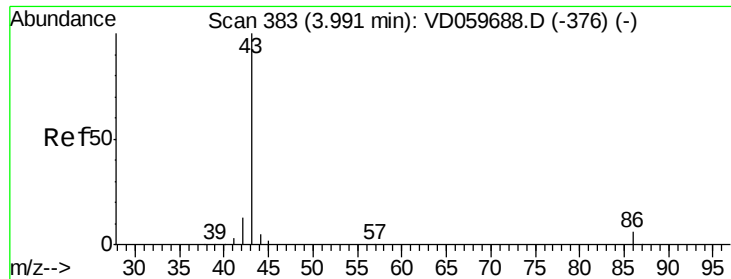
87 21.3 17.0 25.6

59 8.4 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 96.31 ug/l

RT: 4.01 min Scan# 385

Delta R.T. 0.02 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

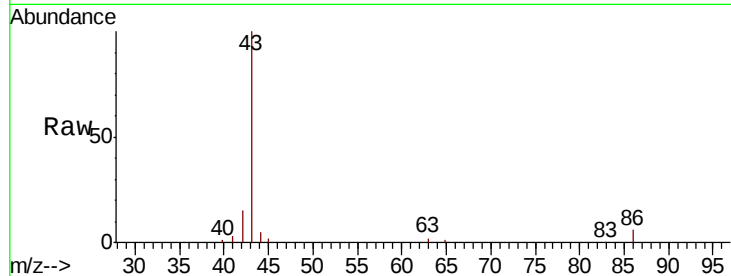
VD0809SBS01

Tot Ion: 43 Resp: 240561

Ion Ratio Lower Upper

43 100

86 6.3 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.01

80000

60000

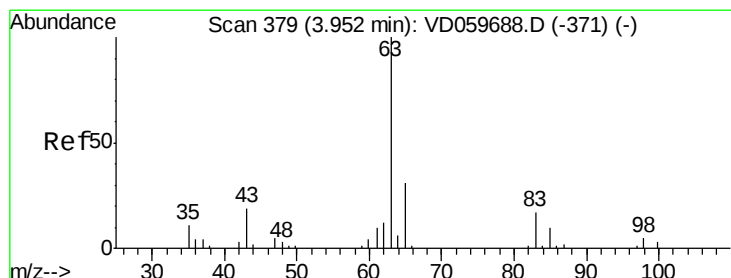
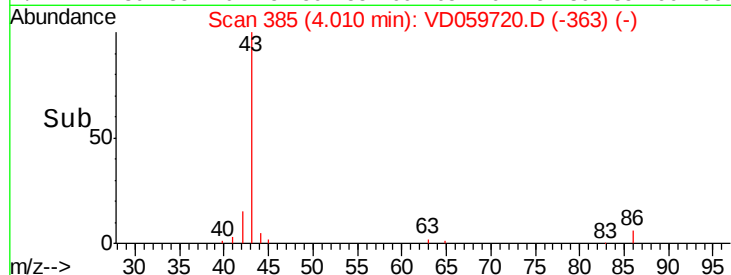
40000

20000

0

Time-->

3.90 4.00 4.10 4.20



#24

1,1-Dichloroethane

Concen: 21.25 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.02 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

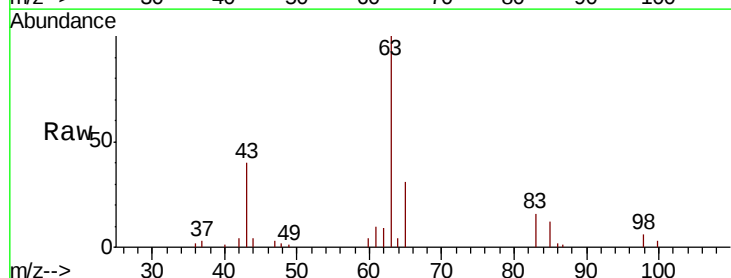
Tgt Ion: 63 Resp: 55423

Ion Ratio Lower Upper

63 100

98 5.8 2.4 7.1

100 2.9 1.6 4.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

3.97

30000

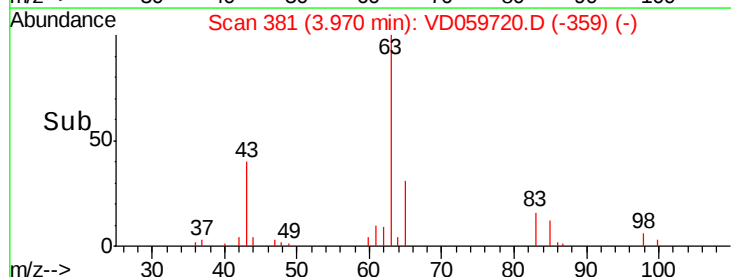
20000

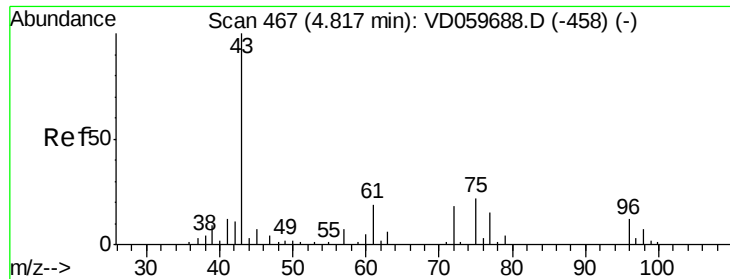
10000

0

Time-->

3.90 4.00 4.10





#25

2-Butanone

Concen: 71.58 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

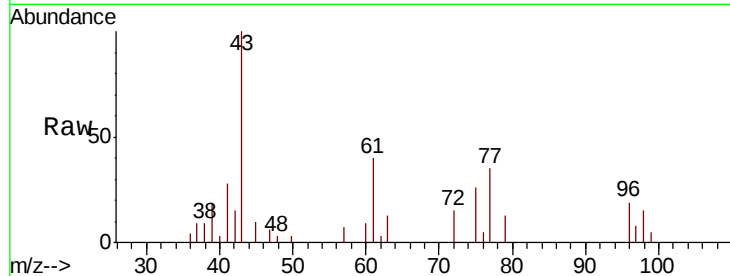
VD0809SBSD01

Tot Ion: 43 Resp: 33855

Ion Ratio Lower Upper

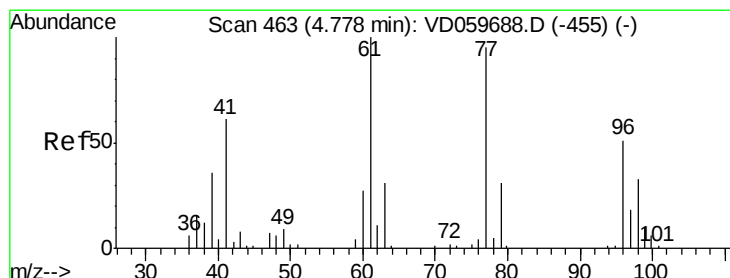
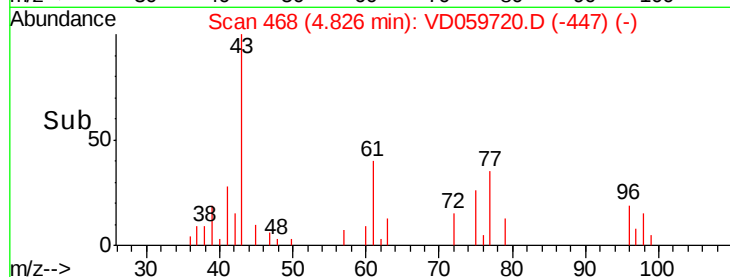
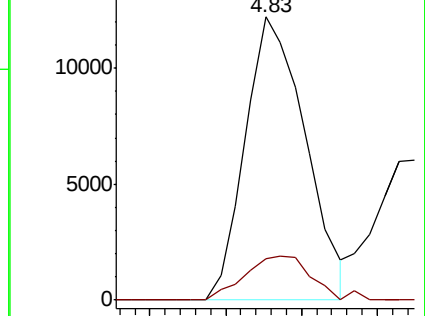
43 100

72 14.6 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.58 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD059720.D

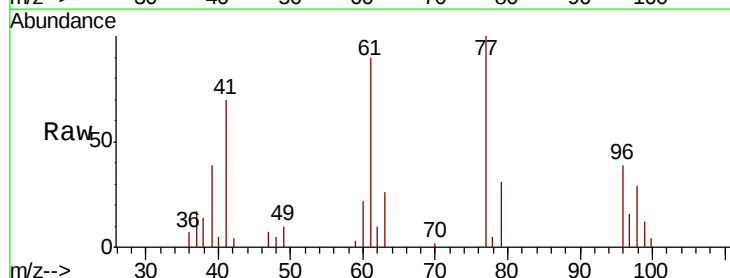
Acq: 9 Aug 2018 17:23

Tgt Ion: 77 Resp: 60108

Ion Ratio Lower Upper

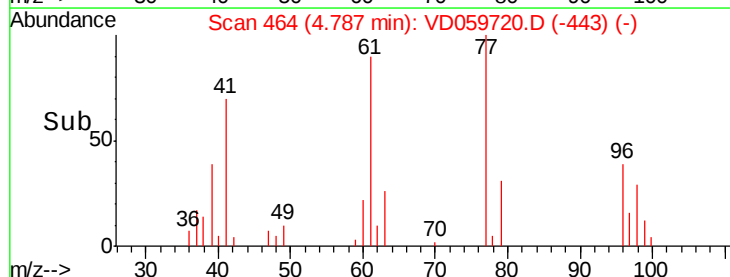
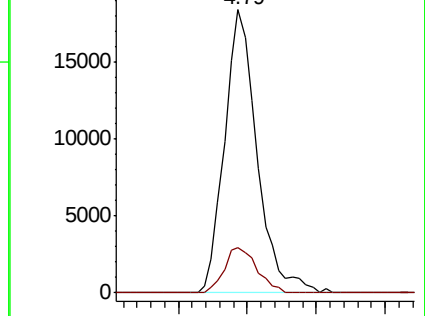
77 100

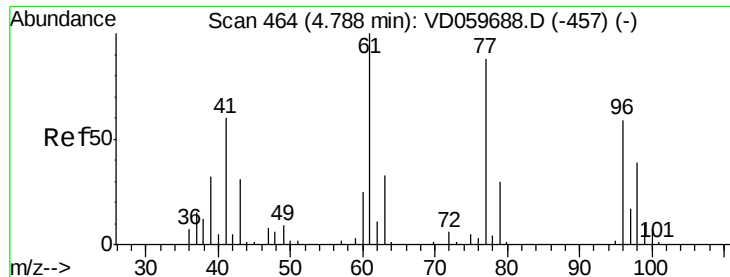
97 16.1 9.4 28.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



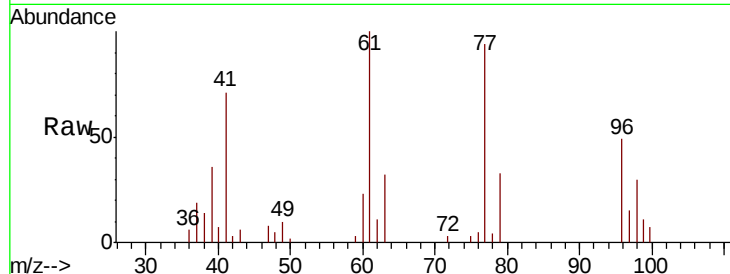


#27

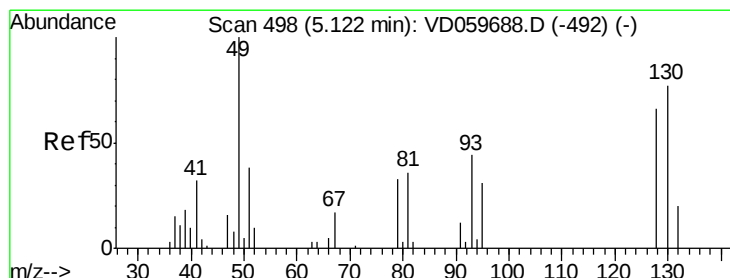
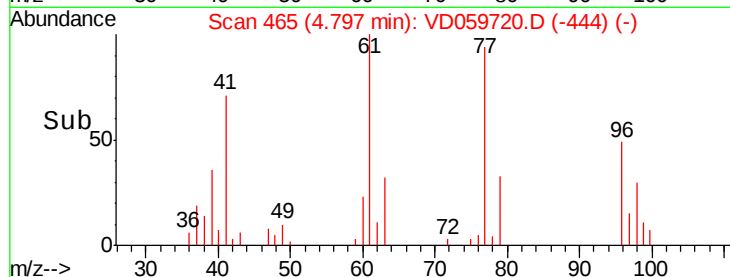
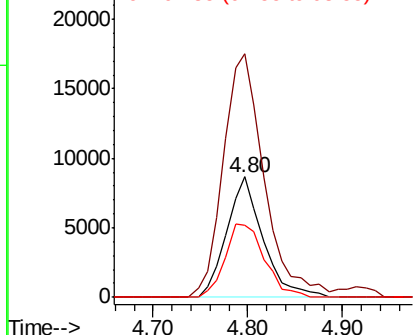
cis-1,2-Dichloroethene
Concen: 16.50 ug/l
RT: 4.80 min Scan# 465
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Instrument :
MSVOA_D
ClientSampleId :
VD0809SBS01

Tot Ion: 96 Resp: 22955
Ion Ratio Lower Upper
96 100
61 202.6 0.0 341.6
98 60.0 0.0 131.0



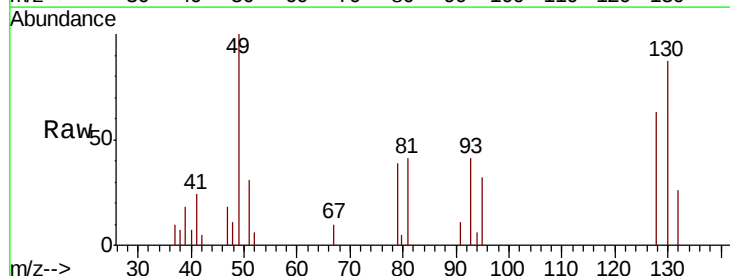
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



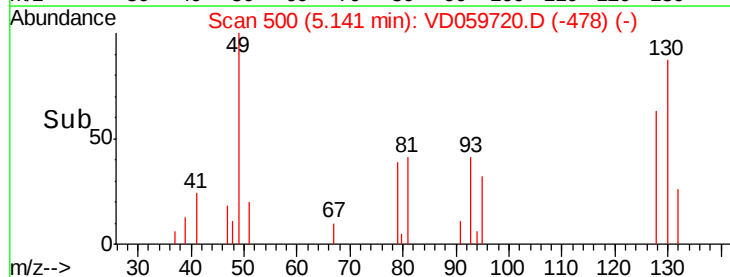
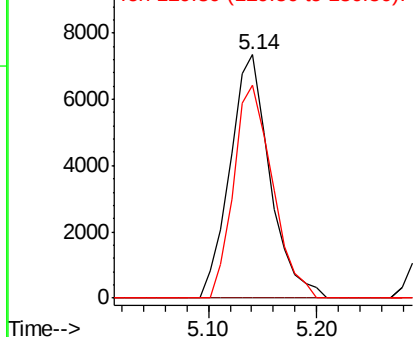
#28

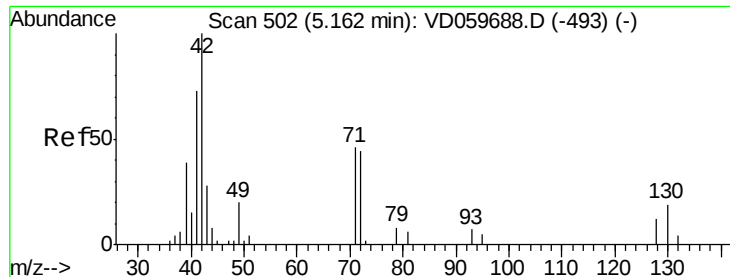
Bromochloromethane
Concen: 19.63 ug/l
RT: 5.14 min Scan# 500
Delta R.T. 0.02 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion: 49 Resp: 18896
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 87.5 61.2 91.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 76.92 ug/l

RT: 5.17 min Scan# 503

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VD0809SBSD01

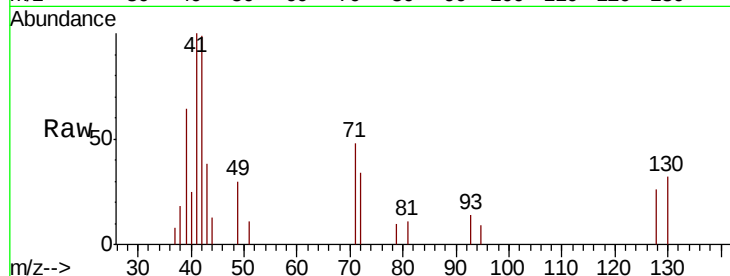
Tot Ion: 42 Resp: 14090

Ion Ratio Lower Upper

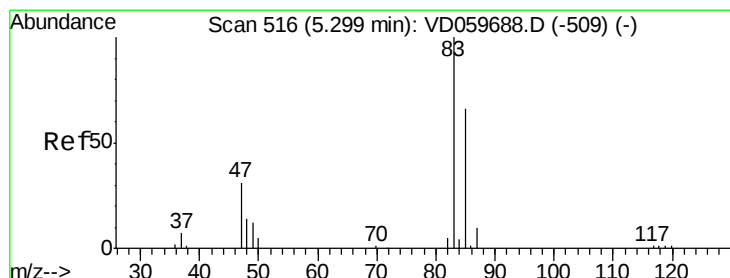
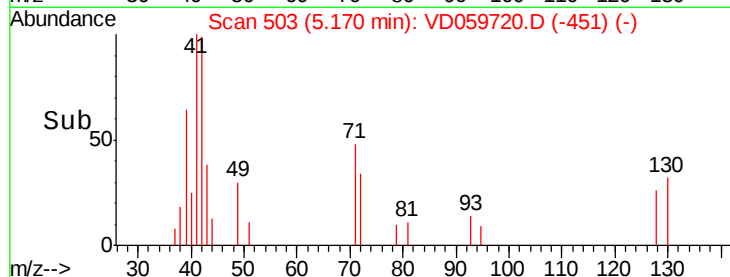
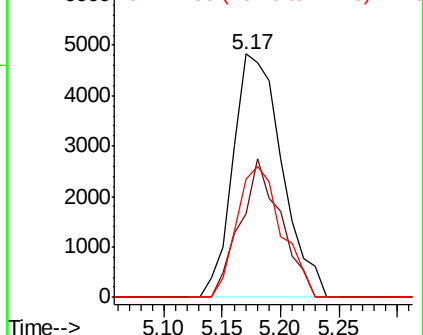
42 100

72 47.2 36.7 55.1

71 49.3 36.3 54.5



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.21 ug/l

RT: 5.32 min Scan# 518

Delta R.T. 0.02 min

Lab File: VD059720.D

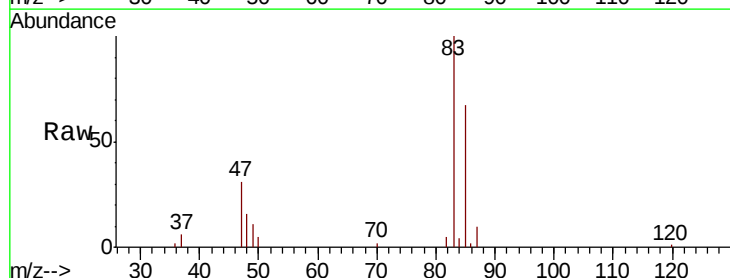
Acq: 9 Aug 2018 17:23

Tgt Ion: 83 Resp: 67416

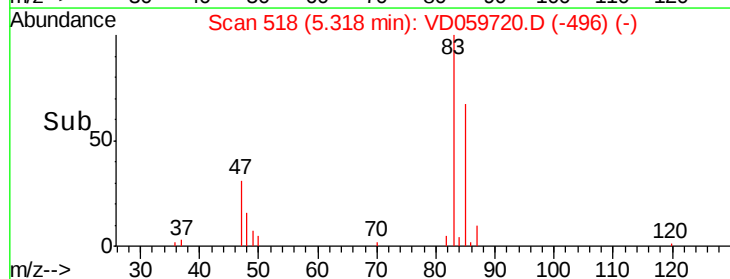
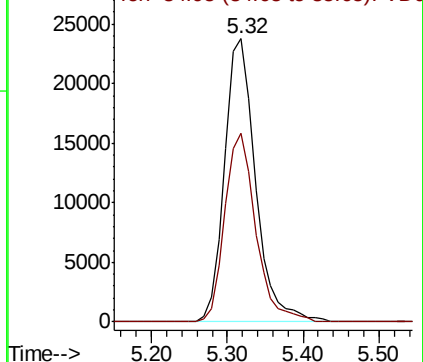
Ion Ratio Lower Upper

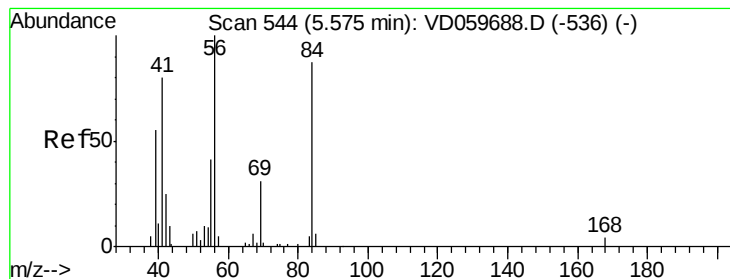
83 100

85 66.9 52.6 79.0



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 13.93 ug/l

RT: 5.58 min Scan# 545

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VD0809SBSD01

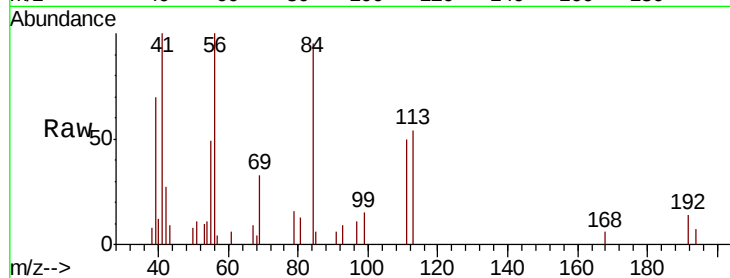
Tot Ion: 56 Resp: 27692

Ion Ratio Lower Upper

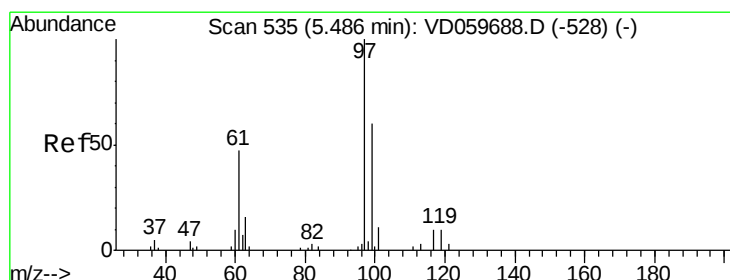
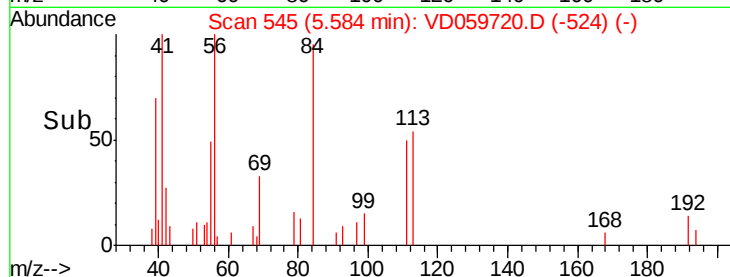
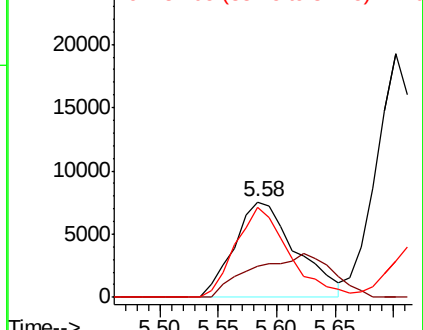
56 100

69 33.1 24.7 37.1

84 94.9 72.2 108.2



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 23.29 ug/l

RT: 5.50 min Scan# 537

Delta R.T. 0.02 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

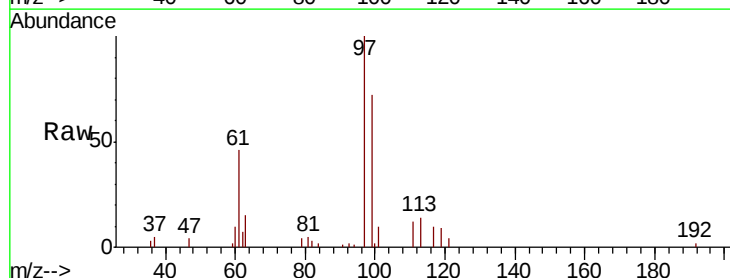
Tgt Ion: 97 Resp: 72010

Ion Ratio Lower Upper

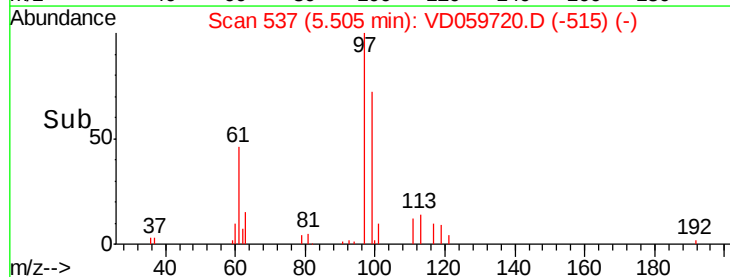
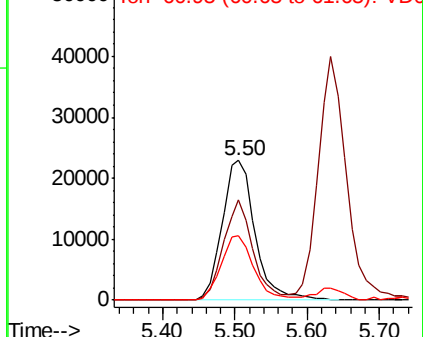
97 100

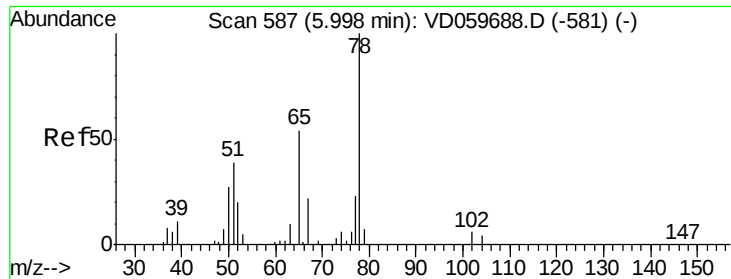
99 72.2 48.2 72.2

61 46.4 37.5 56.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

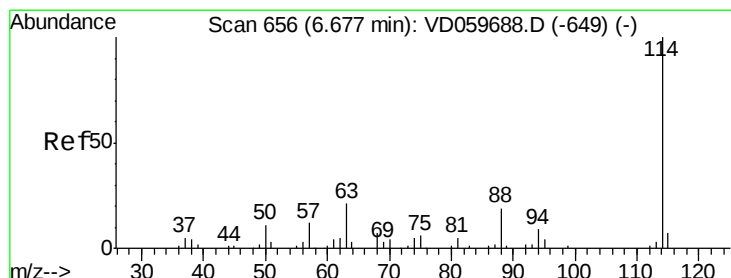
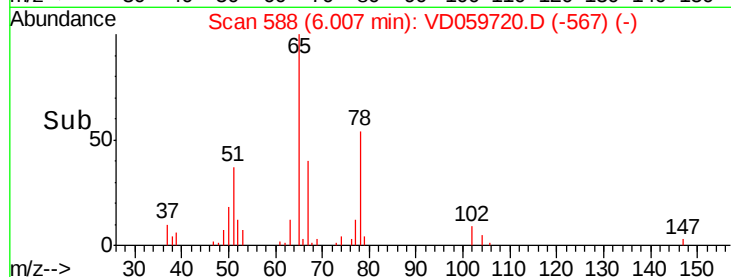
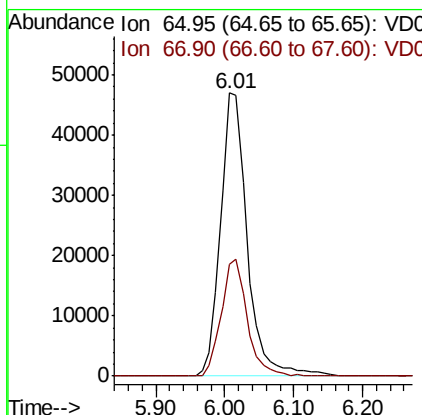
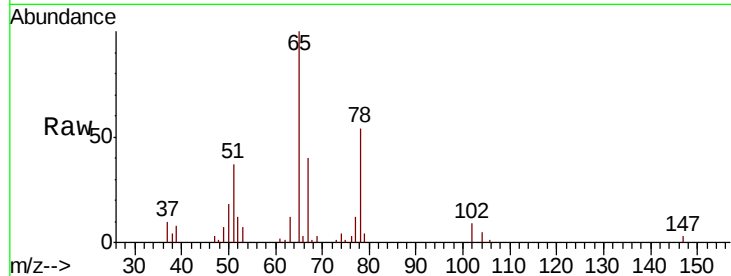




#33
 1,2-Dichloroethane-d4
 Concen: 23.29 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD059720.D
 Acq: 9 Aug 2018 17:23

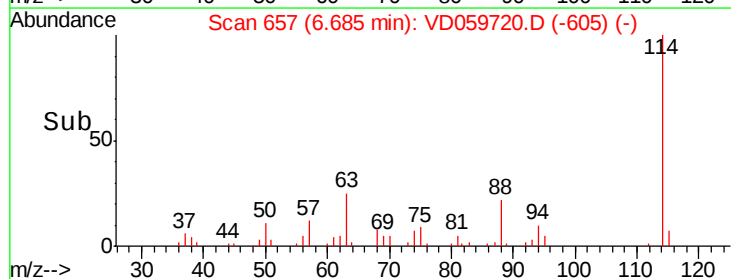
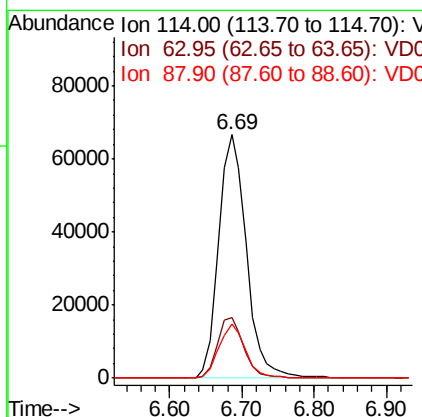
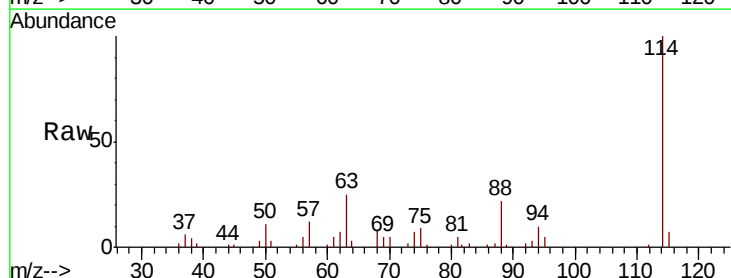
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0809SBSD01

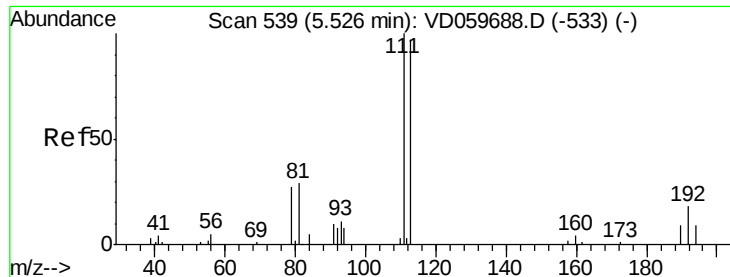
Tot Ion: 65 Resp: 126175
 Ion Ratio Lower Upper
 65 100
 67 39.6 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VD059720.D
 Acq: 9 Aug 2018 17:23

Tgt Ion: 114 Resp: 176386
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 42.6
 88 22.4 0.0 38.8

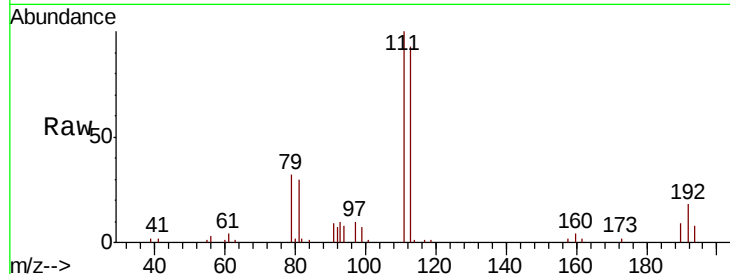




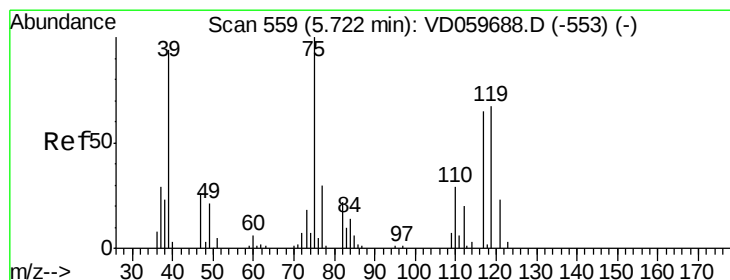
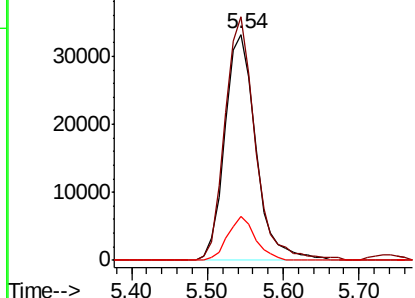
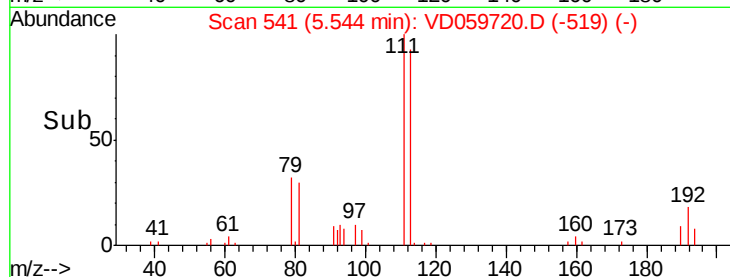
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.54 min Scan# 541
Delta R.T. 0.02 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Instrument :
MSVOA_D
ClientSampleId :
VD0809SBSD01

Tot Ion:113 Resp: 94216
Ion Ratio Lower Upper
113 100
111 107.7 82.8 124.2
192 19.2 14.6 22.0

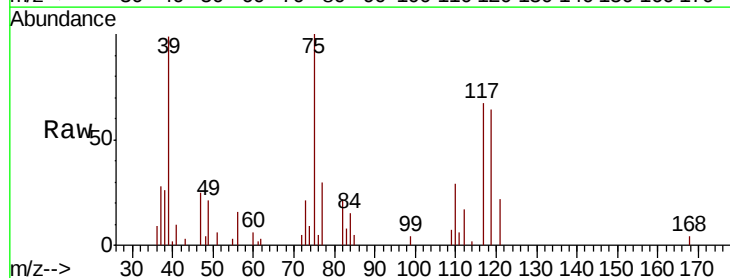


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

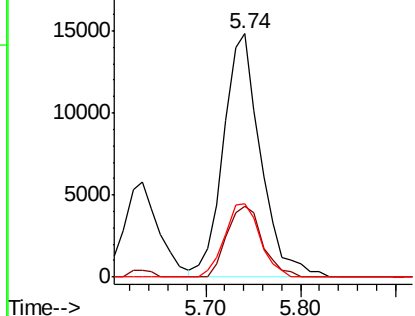
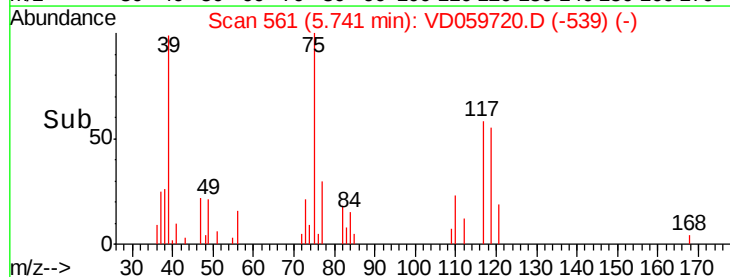


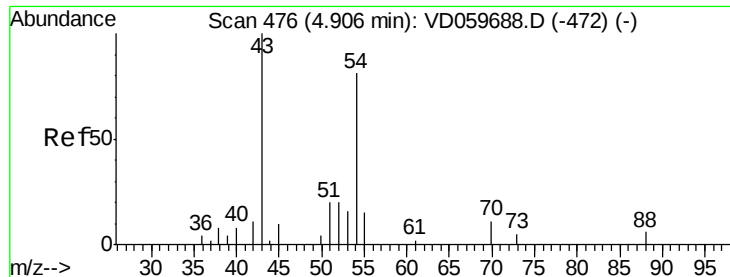
#36
1,1-Dichloropropene
Concen: 20.60 ug/l
RT: 5.74 min Scan# 561
Delta R.T. 0.02 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion: 75 Resp: 40392
Ion Ratio Lower Upper
75 100
110 28.9 14.1 42.3
77 30.1 23.9 35.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 20.08 ug/l

RT: 4.92 min Scan# 478

Delta R.T. 0.02 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleID :

VD0809SBS01

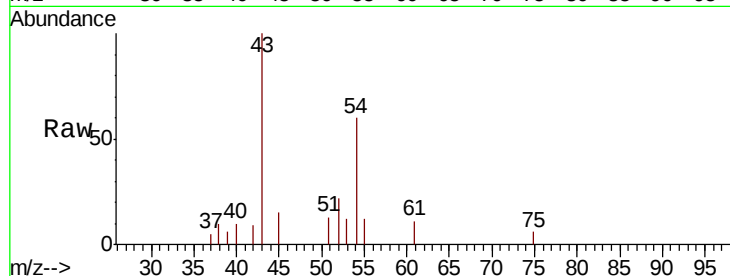
Tot Ion: 43 Resp: 19117

Ion Ratio Lower Upper

43 100

61 11.1 10.1 15.1

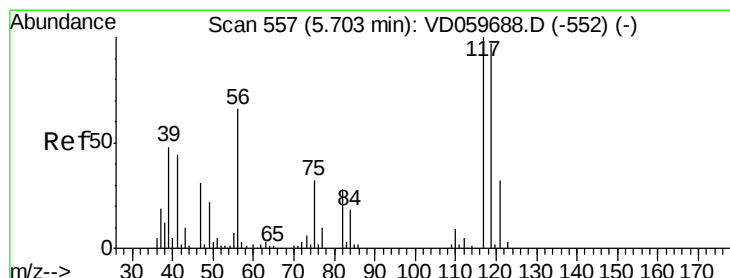
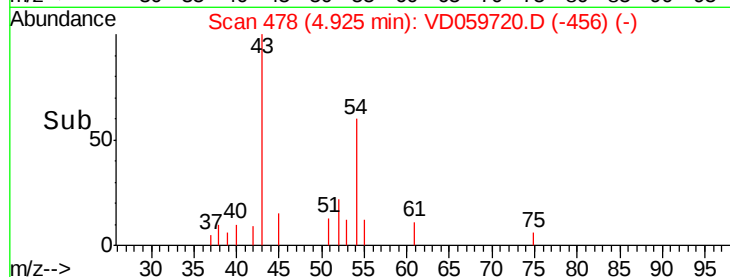
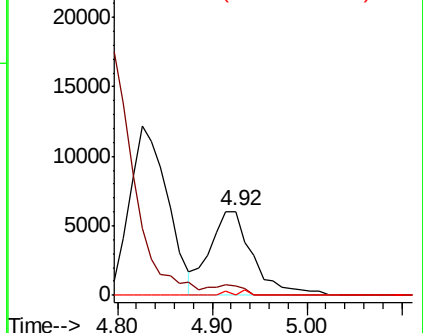
70 0.0 5.4 8.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 26.14 ug/l

RT: 5.71 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

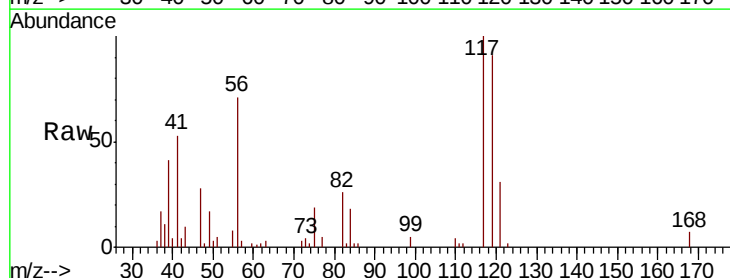
Tgt Ion: 117 Resp: 68588

Ion Ratio Lower Upper

117 100

119 91.0 75.3 112.9

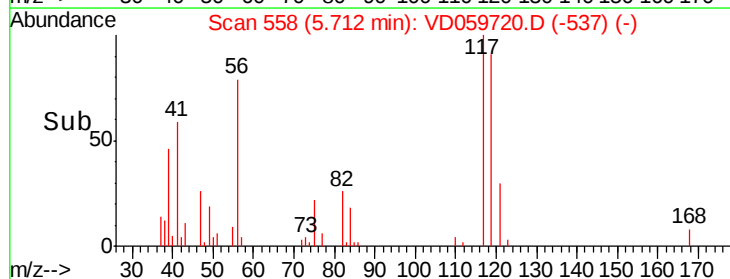
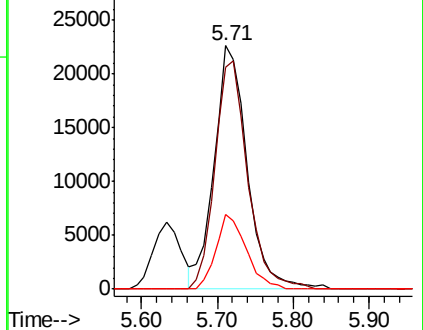
121 30.8 24.4 36.6

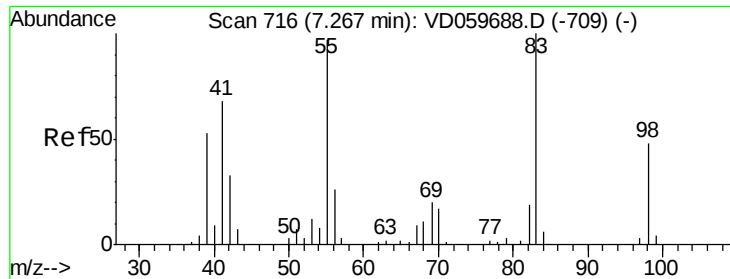


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

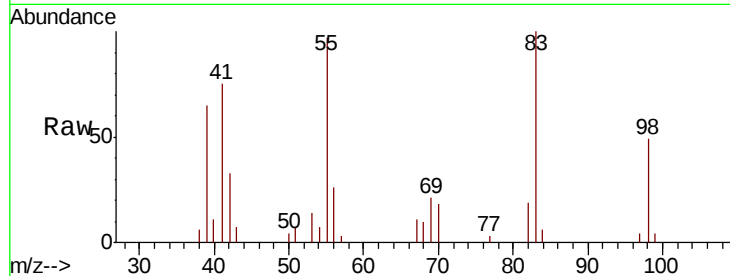




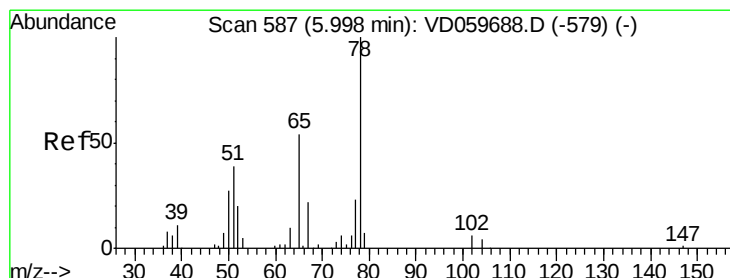
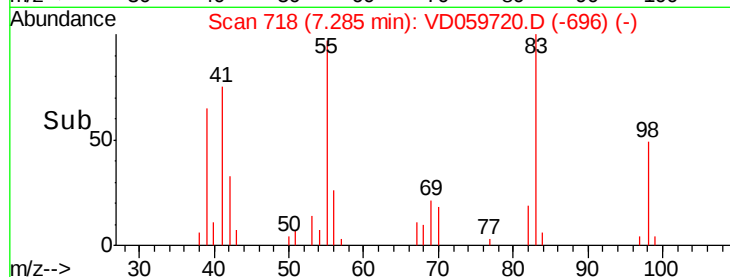
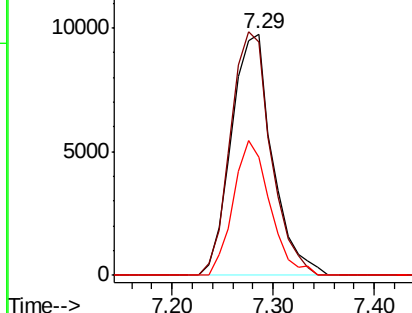
#39
Methylcyclohexane
Concen: 16.65 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.02 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Instrument :
MSVOA_D
ClientSampleId :
VD0809SBS01

Tot Ion: 83 Resp: 27592
Ion Ratio Lower Upper
83 100
55 96.6 77.7 116.5
98 49.2 38.7 58.1

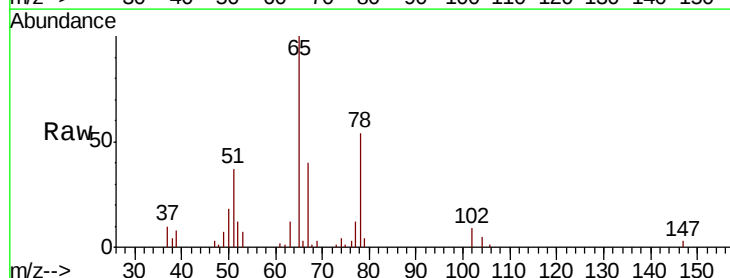


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

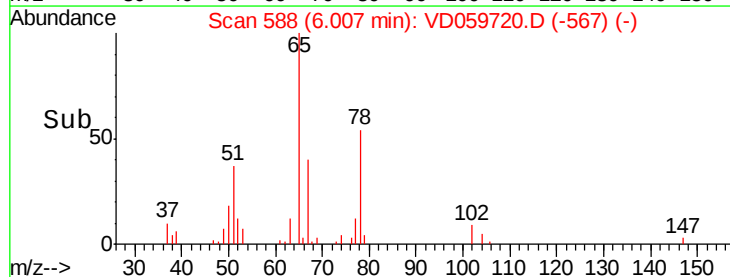
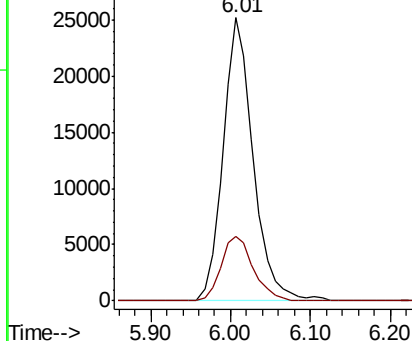


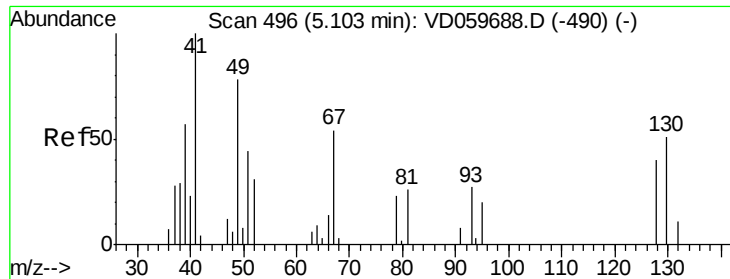
#40
Benzene
Concen: 17.43 ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion: 78 Resp: 66295
Ion Ratio Lower Upper
78 100
77 22.7 18.4 27.6



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

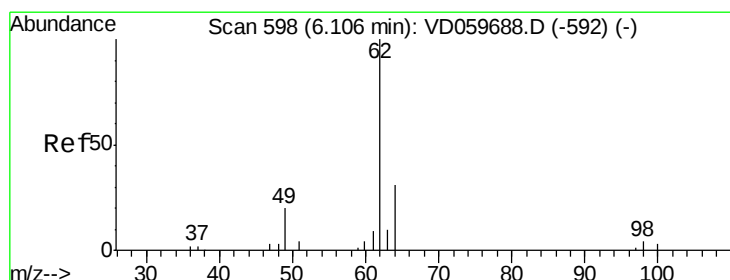
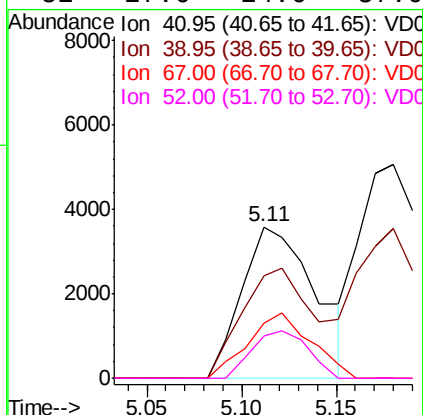
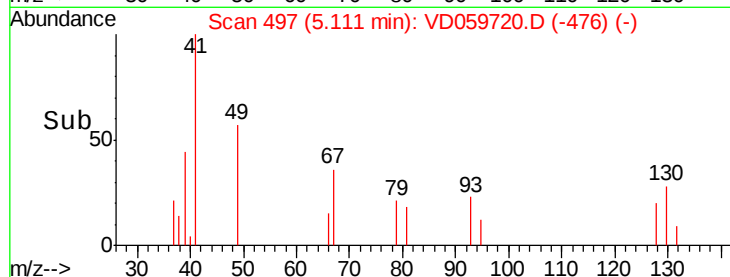
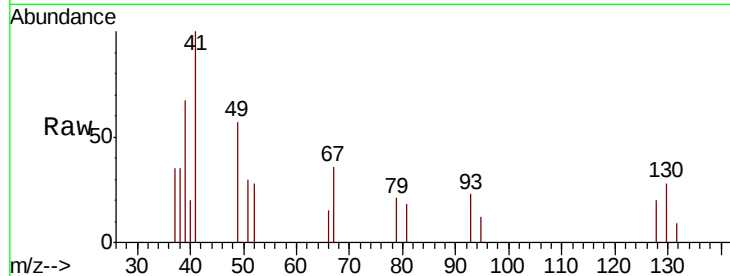




#41
Methacrylonitrile
Concen: 21.79 ug/l
RT: 5.11 min Scan# 497
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

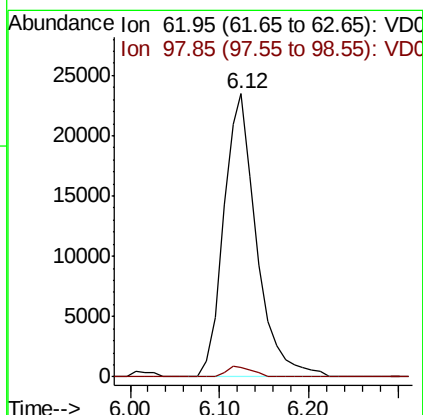
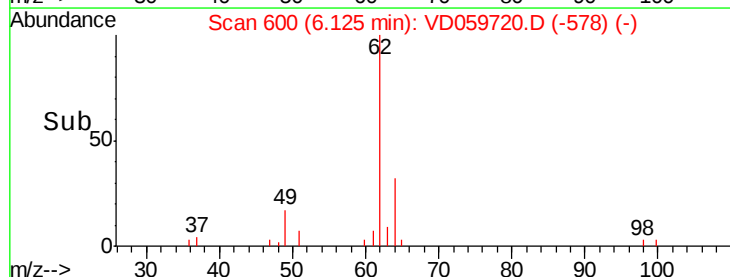
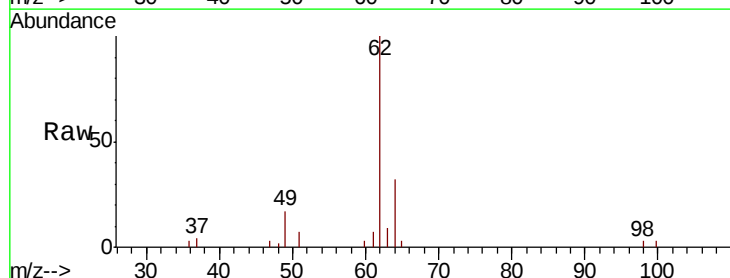
Instrument :
MSVOA_D
ClientSampleId :
VD0809SBSD01

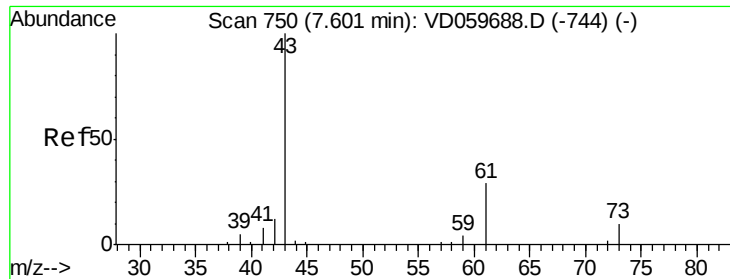
Tot Ion: 41 Resp: 9700
Ion Ratio Lower Upper
41 100
39 67.3 45.8 68.8
67 36.4 43.4 65.2#
52 27.6 24.6 37.0



#42
1,2-Dichloroethane
Concen: 25.64 ug/l
RT: 6.12 min Scan# 600
Delta R.T. 0.02 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion: 62 Resp: 60284
Ion Ratio Lower Upper
62 100
98 3.5 0.0 8.8



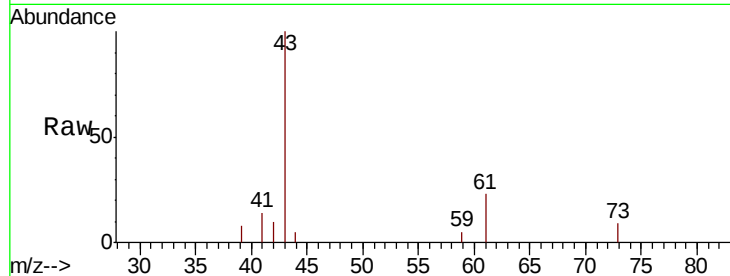


#43

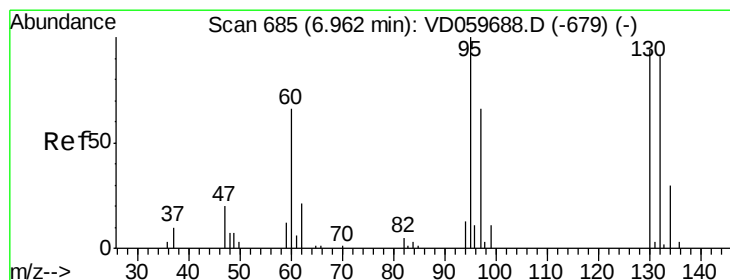
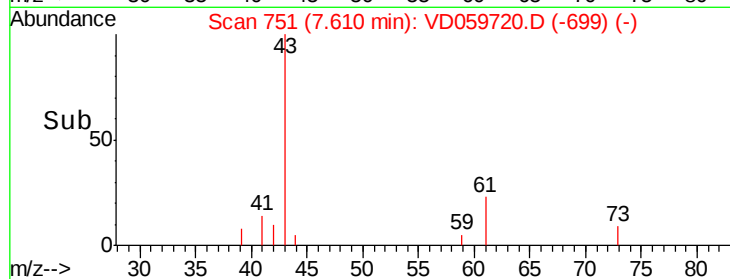
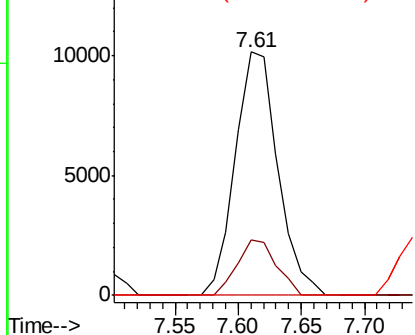
Isopropyl Acetate
 Concen: 19.08 ug/l
 RT: 7.61 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD059720.D
 Acq: 9 Aug 2018 17:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0809SBSD01

Tot Ion: 43 Resp: 23739
 Ion Ratio Lower Upper
 43 100
 61 23.0 22.9 34.3
 87 0.0 0.0 0.0



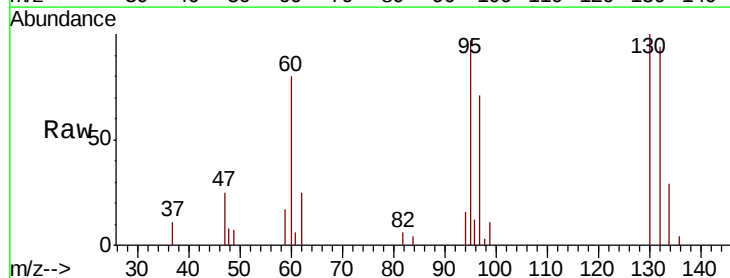
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



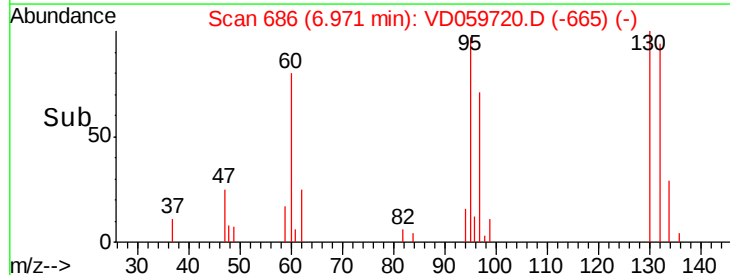
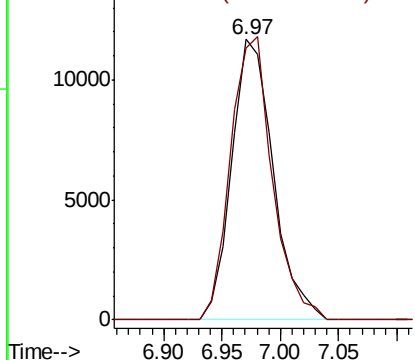
#44

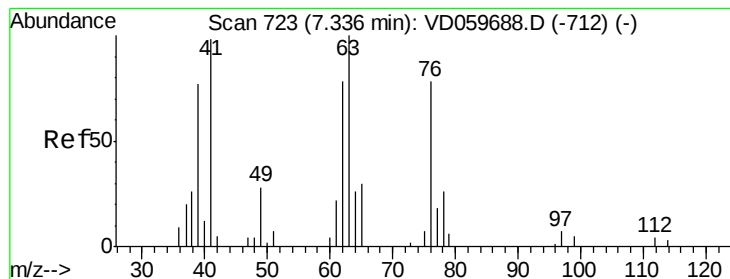
Trichloroethene
 Concen: 20.80 ug/l
 RT: 6.97 min Scan# 686
 Delta R.T. 0.01 min
 Lab File: VD059720.D
 Acq: 9 Aug 2018 17:23

Tgt Ion:130 Resp: 28899
 Ion Ratio Lower Upper
 130 100
 95 97.1 0.0 212.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 18.06 ug/l

RT: 7.34 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

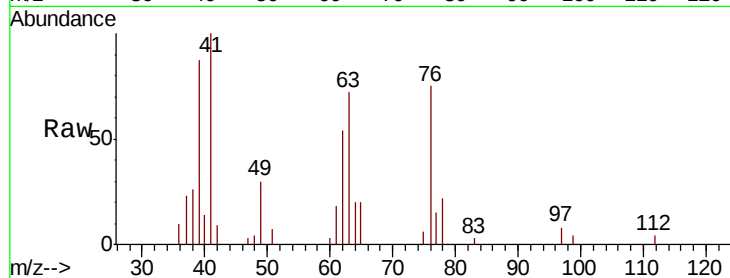
VD0809SBSD01

Tot Ion: 63 Resp: 18132

Ion Ratio Lower Upper

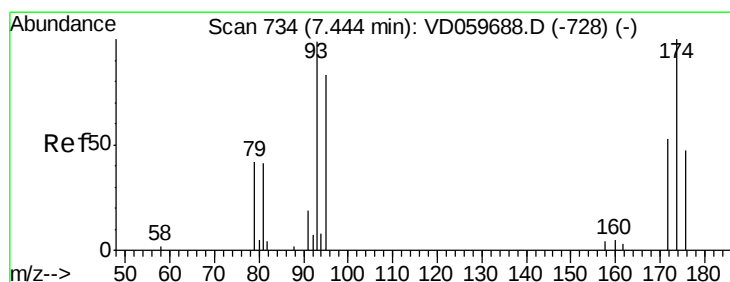
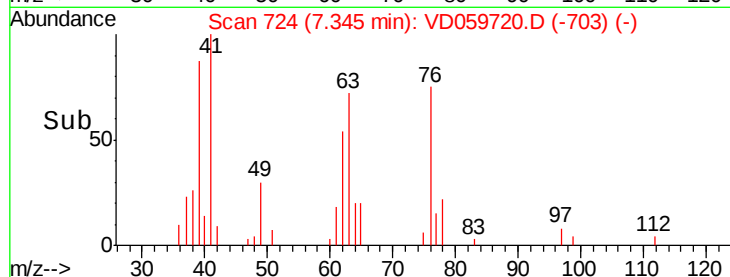
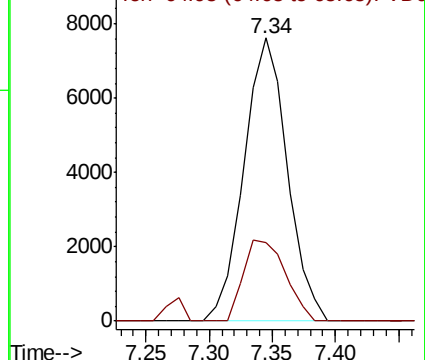
63 100

65 27.8 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.88 ug/l

RT: 7.46 min Scan# 736

Delta R.T. 0.02 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

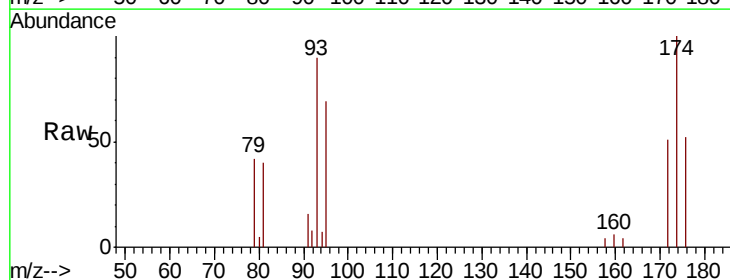
Tgt Ion: 93 Resp: 19039

Ion Ratio Lower Upper

93 100

95 77.0 66.6 100.0

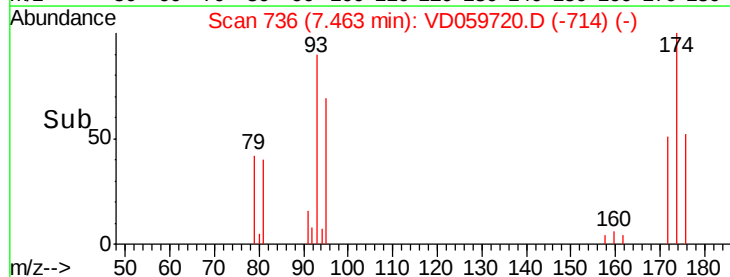
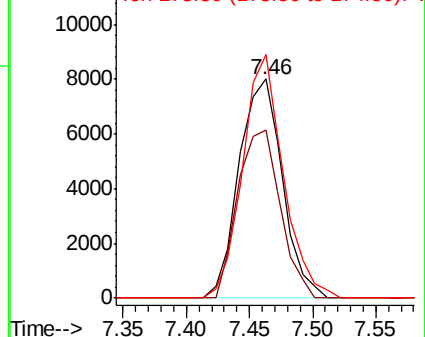
174 111.2 80.6 120.8

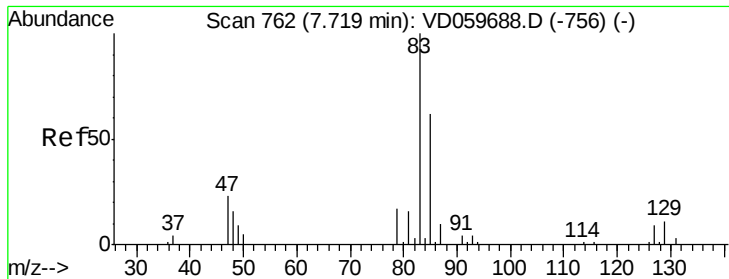


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.85 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VD0809SBS01

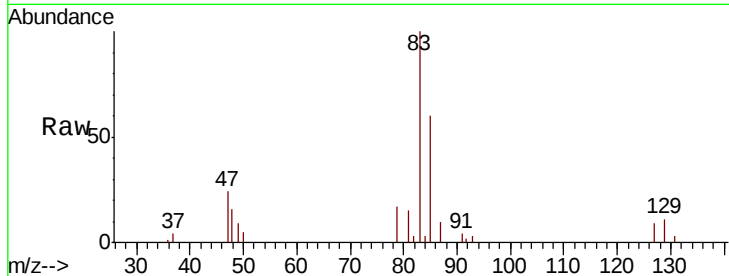
Tot Ion: 83 Resp: 50651

Ion Ratio Lower Upper

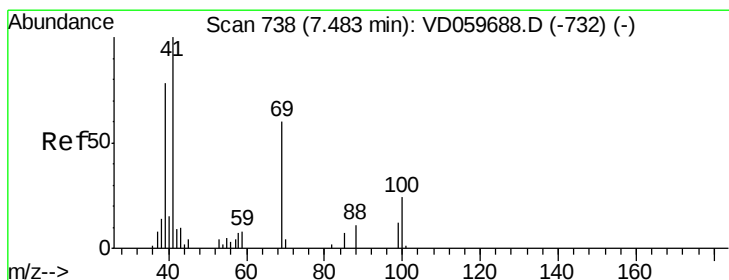
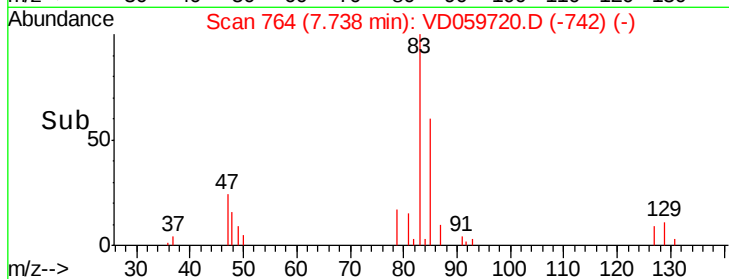
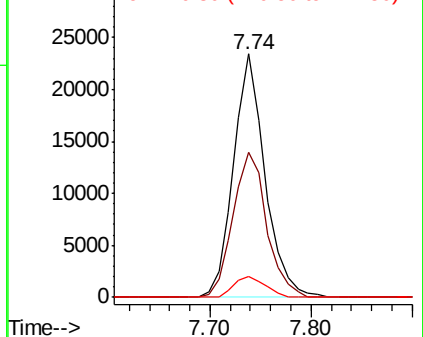
83 100

85 59.7 49.8 74.8

127 8.6 7.3 10.9



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.96 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.02 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

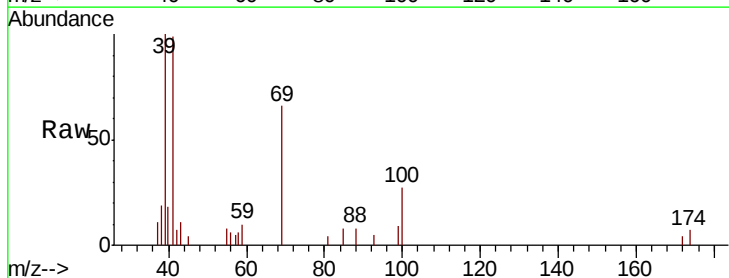
Tgt Ion: 41 Resp: 17214

Ion Ratio Lower Upper

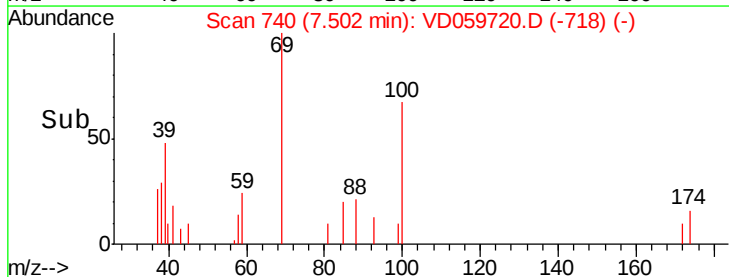
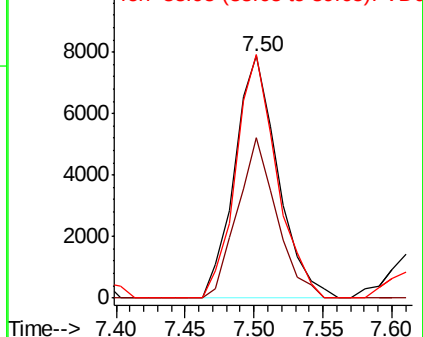
41 100

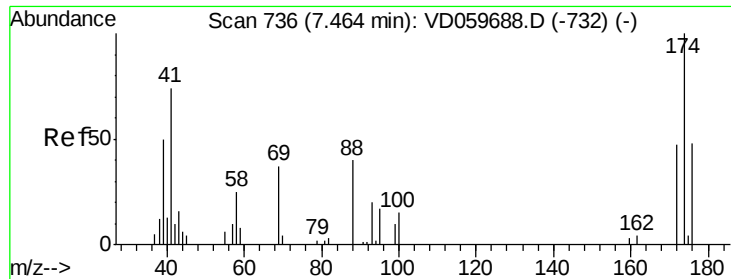
69 66.2 47.3 70.9

39 100.5 62.9 94.3#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

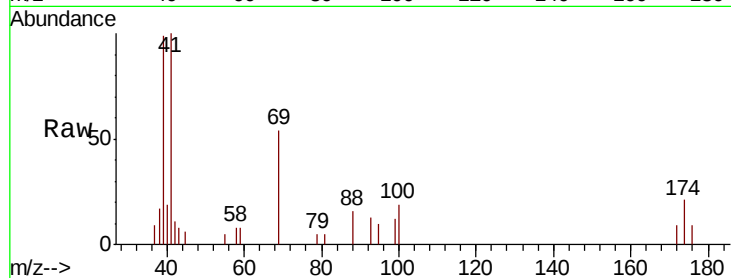




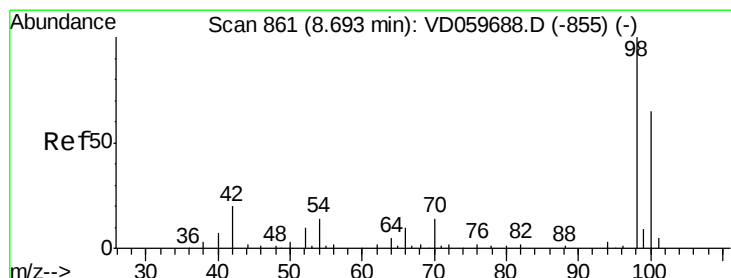
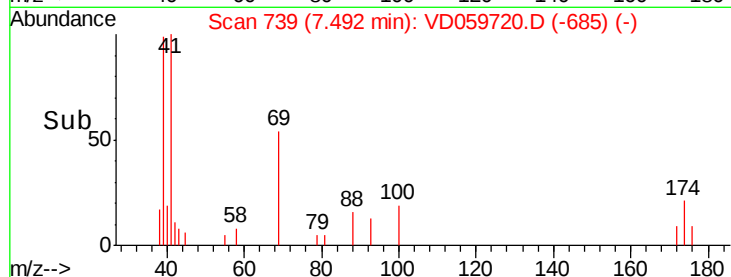
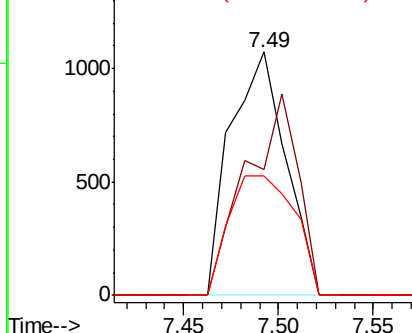
#49
1,4-Dioxane
Concen: 330.73 ug/l
RT: 7.49 min Scan# 739
Delta R.T. 0.03 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Instrument :
MSVOA_D
ClientSampleId :
VD0809SBSD01

Tot Ion: 88 Resp: 2161
Ion Ratio Lower Upper
88 100
43 51.6 32.2 48.2#
58 48.9 51.5 77.3#

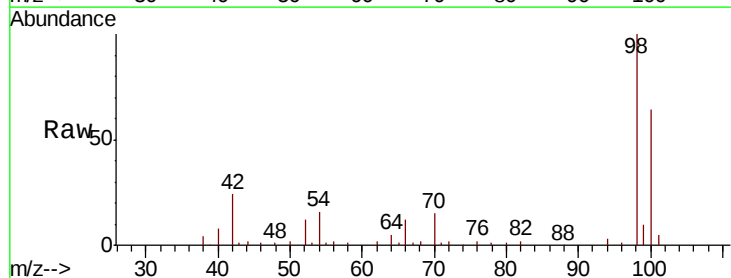


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

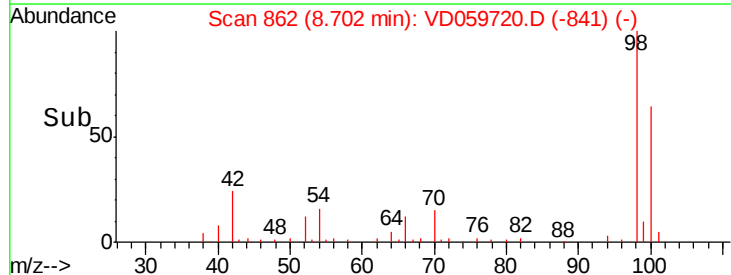
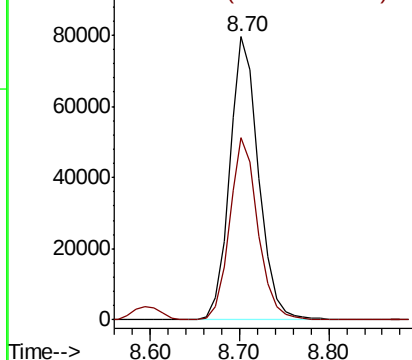


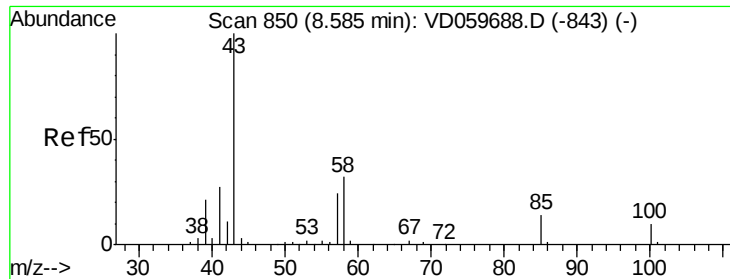
#50
Toluene-d8
Concen: 330.73 ug/l
RT: 8.70 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion: 98 Resp: 179669
Ion Ratio Lower Upper
98 100
100 64.3 52.5 78.7



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 89.95 ug/l

RT: 8.59 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

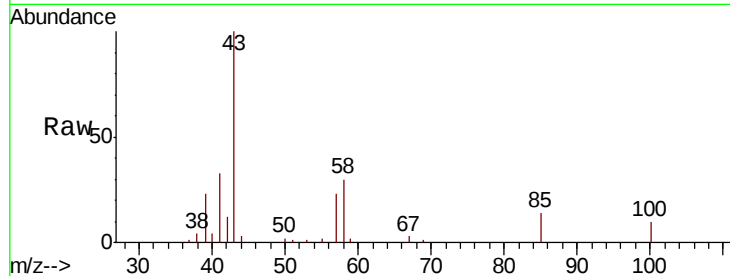
VD0809SBS01

Tot Ion: 43 Resp: 81638

Ion Ratio Lower Upper

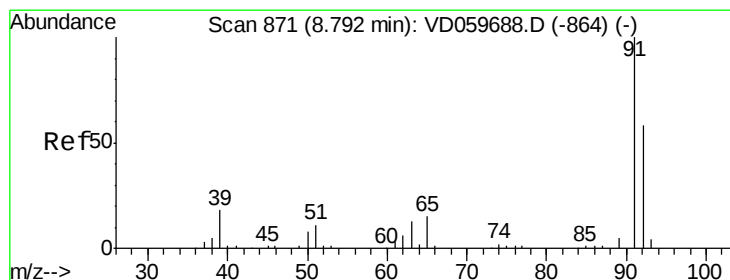
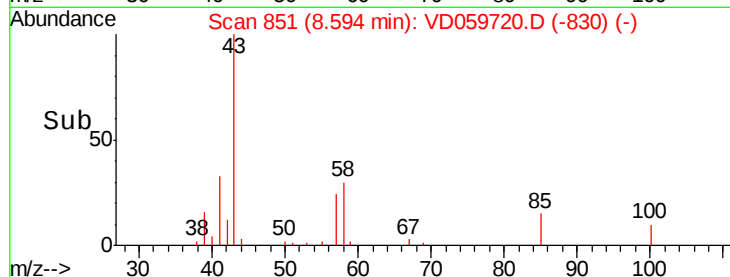
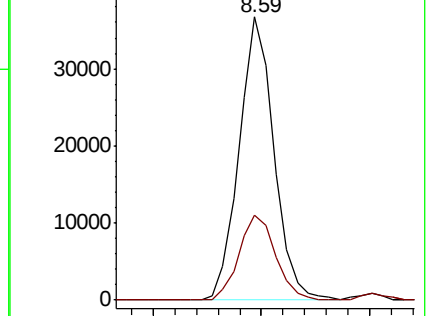
43 100

58 30.1 25.7 38.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 18.60 ug/l

RT: 8.80 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD059720.D

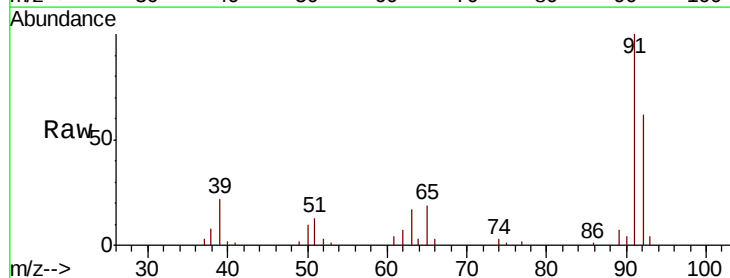
Acq: 9 Aug 2018 17:23

Tgt Ion: 92 Resp: 45121

Ion Ratio Lower Upper

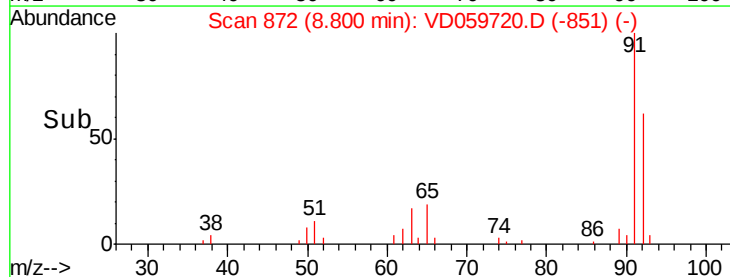
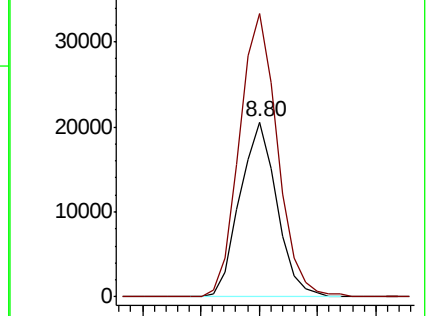
92 100

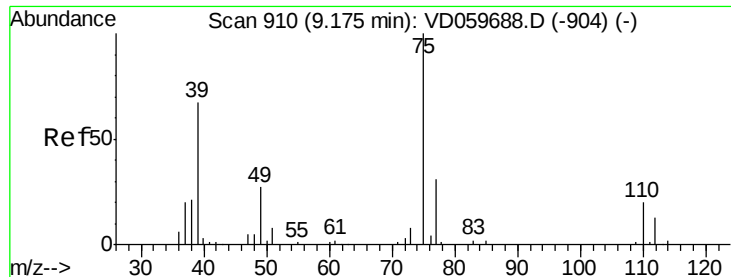
91 161.8 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

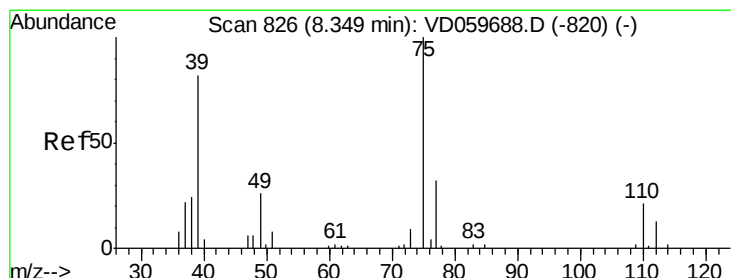
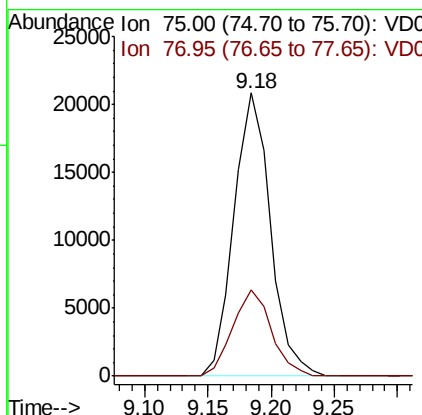
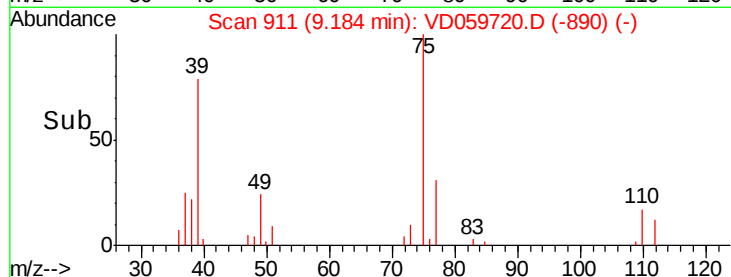
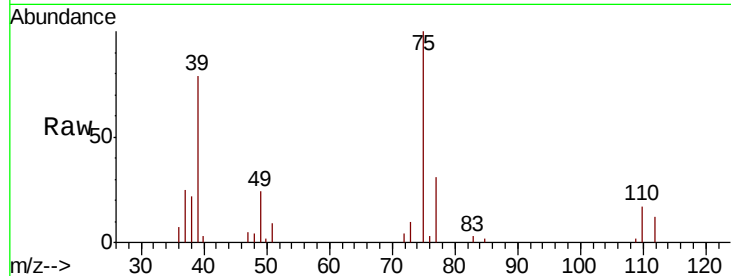




#53
t-1,3-Dichloropropene
Concen: 22.22 ug/l
RT: 9.18 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

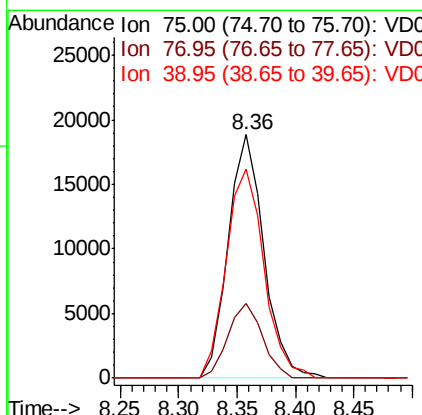
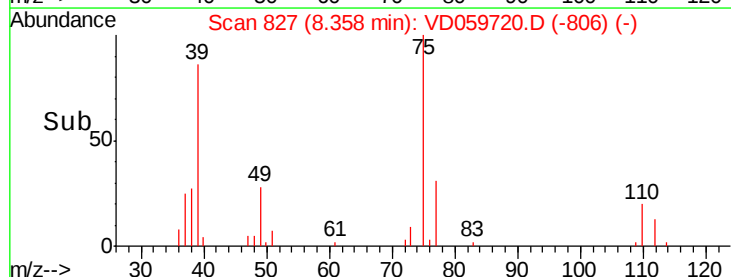
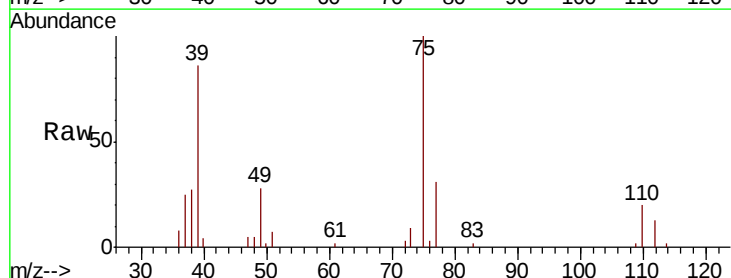
Instrument :
MSVOA_D
ClientSampleId :
VD0809SBSD01

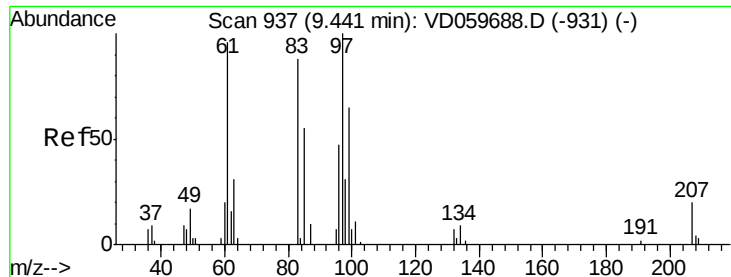
Tot Ion: 75 Resp: 41672
Ion Ratio Lower Upper
75 100
77 30.5 24.7 37.1



#54
cis-1,3-Dichloropropene
Concen: 20.66 ug/l
RT: 8.36 min Scan# 827
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion: 75 Resp: 39901
Ion Ratio Lower Upper
75 100
77 30.7 25.5 38.3
39 85.8 65.4 98.2

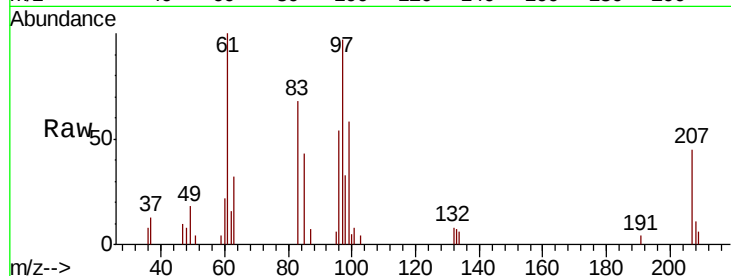




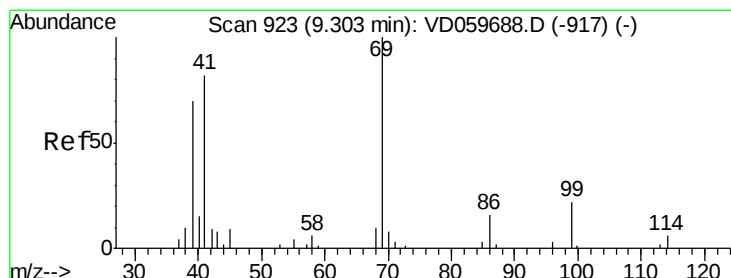
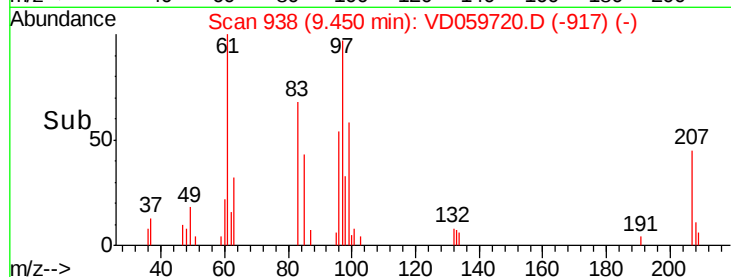
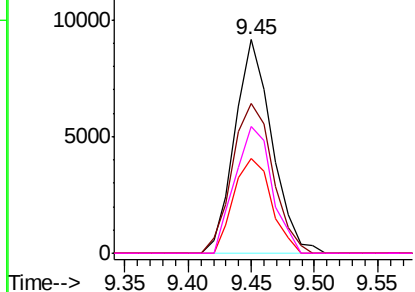
#55
 1,1,2-Trichloroethane
 Concen: 20.13 ug/l
 RT: 9.45 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VD059720.D
 Acq: 9 Aug 2018 17:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0809SBSD01

Tot Ion: 97 Resp: 18753
 Ion Ratio Lower Upper
 97 100
 83 70.3 70.8 106.2#
 85 44.3 44.1 66.1
 99 59.5 52.2 78.4

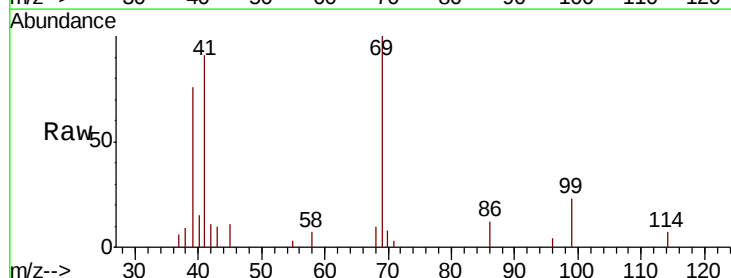


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

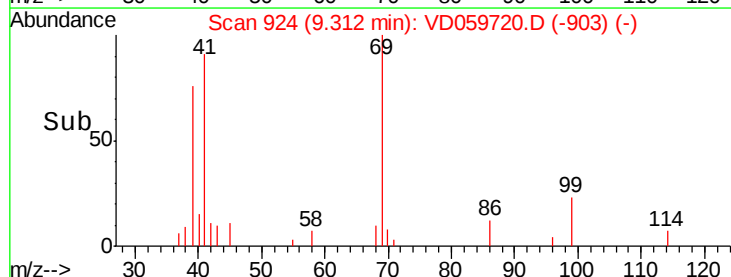
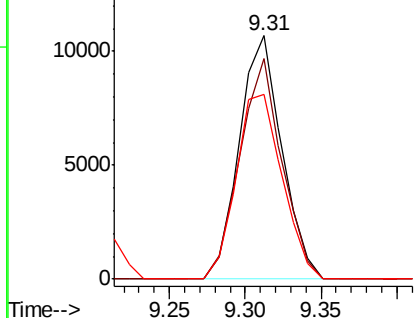


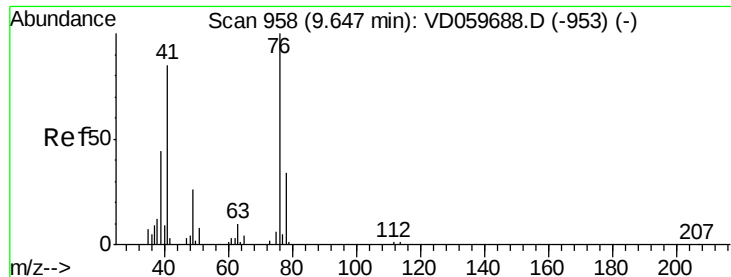
#56
 Ethyl methacrylate
 Concen: 20.26 ug/l
 RT: 9.31 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VD059720.D
 Acq: 9 Aug 2018 17:23

Tgt Ion: 69 Resp: 20826
 Ion Ratio Lower Upper
 69 100
 41 90.8 65.7 98.5
 39 75.9 55.8 83.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.21 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.02 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

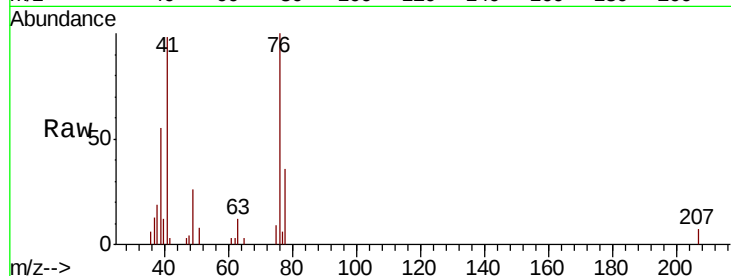
VD0809SBSD01

Tot Ion: 76 Resp: 29223

Ion Ratio Lower Upper

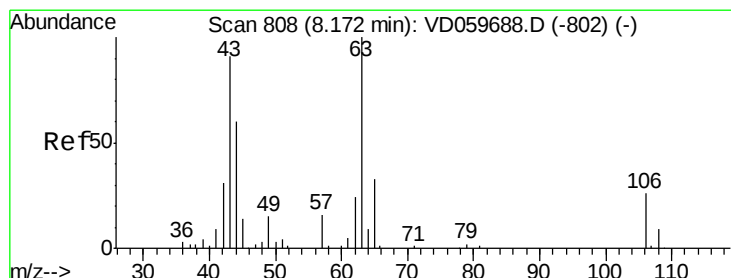
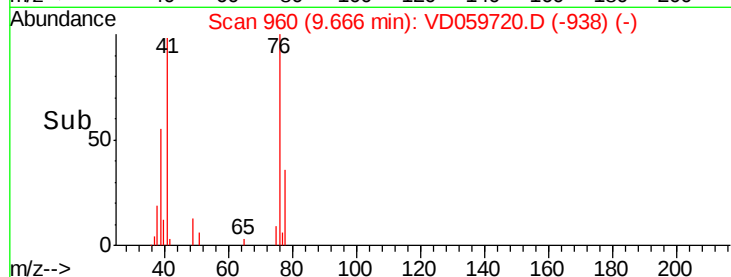
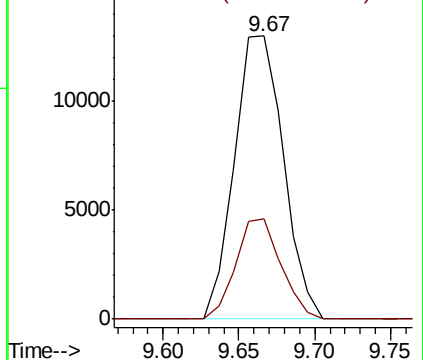
76 100

78 35.6 27.5 41.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 102.85 ug/l

RT: 8.18 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD059720.D

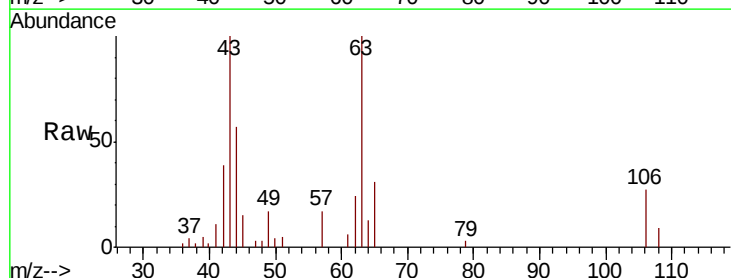
Acq: 9 Aug 2018 17:23

Tgt Ion: 63 Resp: 50376

Ion Ratio Lower Upper

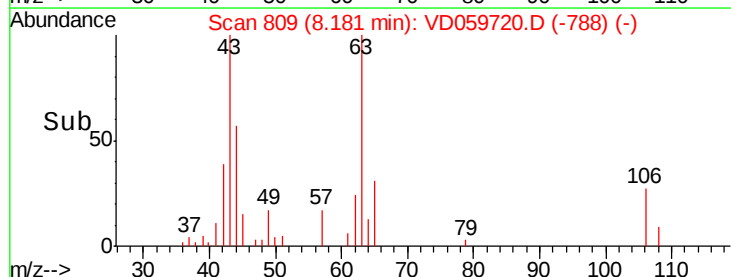
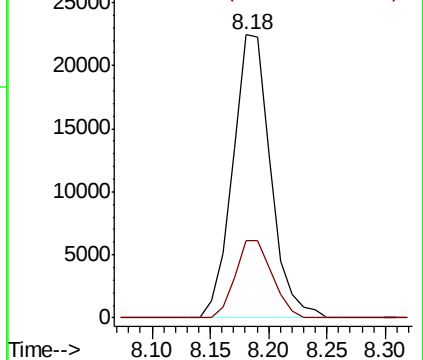
63 100

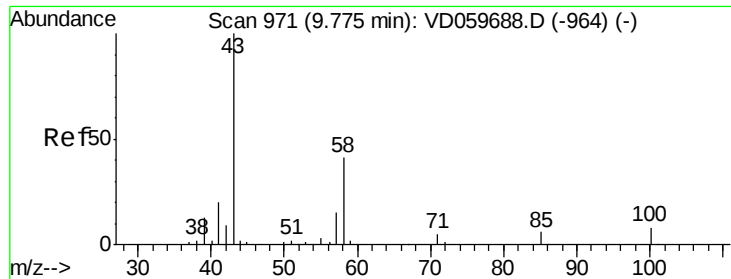
106 27.3 20.7 31.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

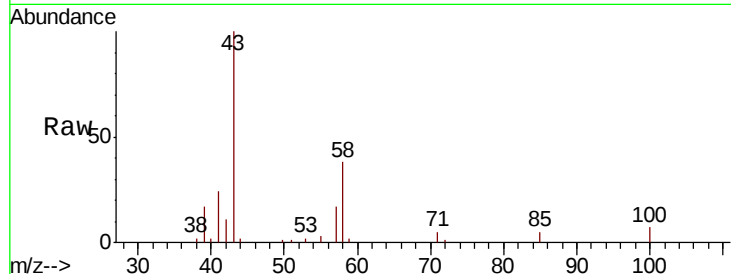




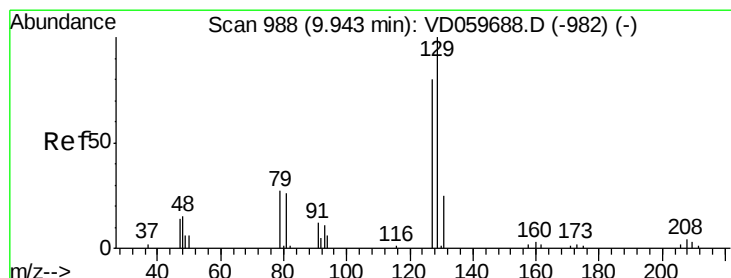
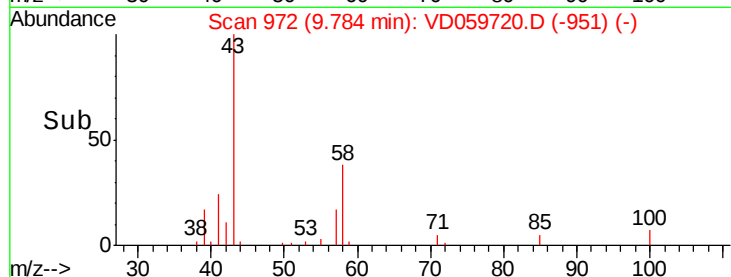
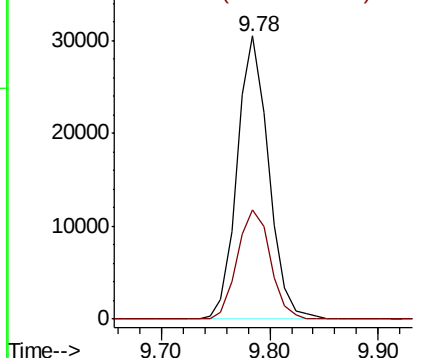
#59
2-Hexanone
Concen: 89.96 ug/l
RT: 9.78 min Scan# 972
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Instrument :
MSVOA_D
ClientSampleId :
VD0809SBSD01

Tot Ion: 43 Resp: 61313
Ion Ratio Lower Upper
43 100
58 38.4 20.4 61.3

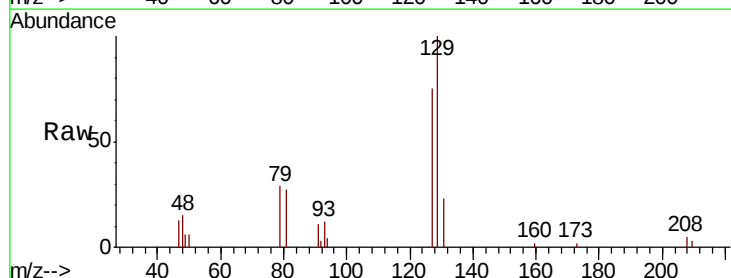


Abundance Ion 42.95 (42.65 to 43.65): VD059720.D (-951) (-)
Ion 57.95 (57.65 to 58.65): VD059720.D (-951) (-)

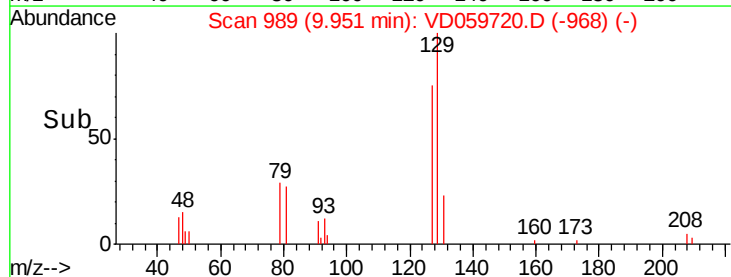
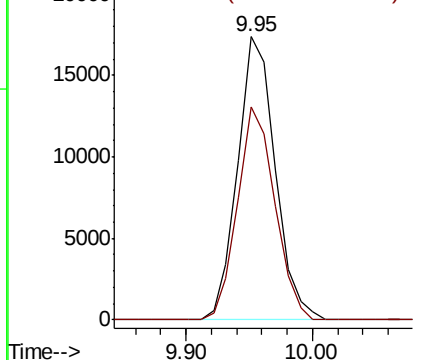


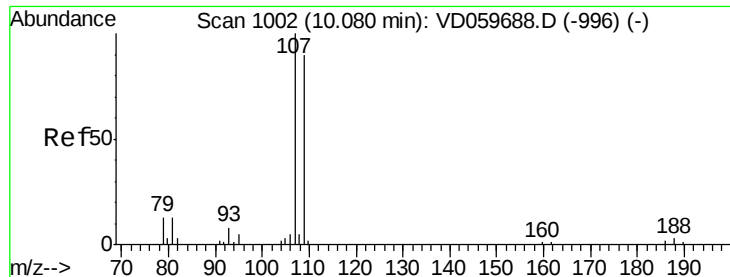
#60
Dibromochloromethane
Concen: 24.21 ug/l
RT: 9.95 min Scan# 989
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion: 129 Resp: 35846
Ion Ratio Lower Upper
129 100
127 75.4 40.0 119.9



Abundance Ion 128.80 (128.50 to 129.50): VD059720.D (-968) (-)
Ion 126.80 (126.50 to 127.50): VD059720.D (-968) (-)





#61

1,2-Dibromoethane

Concen: 21.58 ug/l

RT: 10.09 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

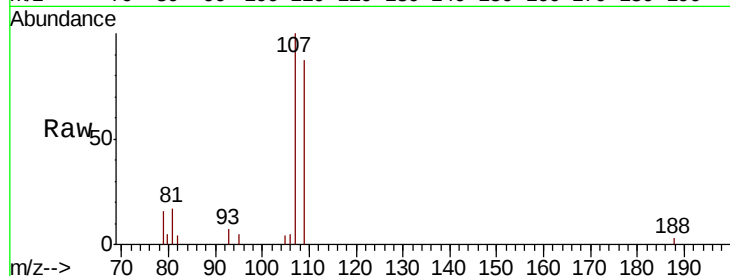
VD0809SBSD01

Tot Ion:107 Resp: 23122

Ion Ratio Lower Upper

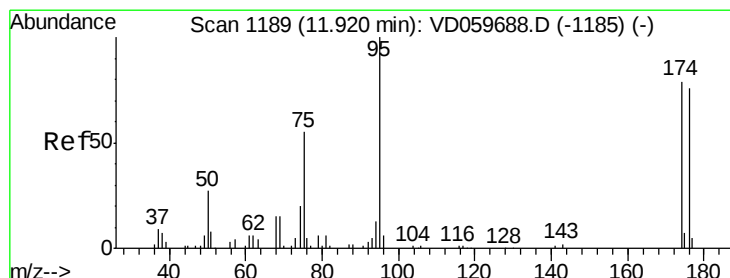
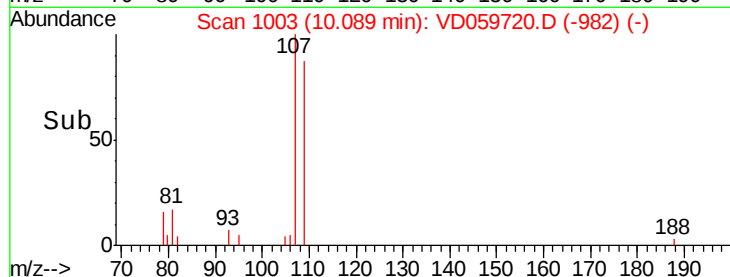
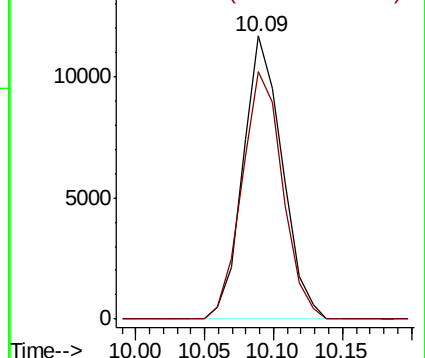
107 100

109 87.3 72.0 108.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 21.58 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

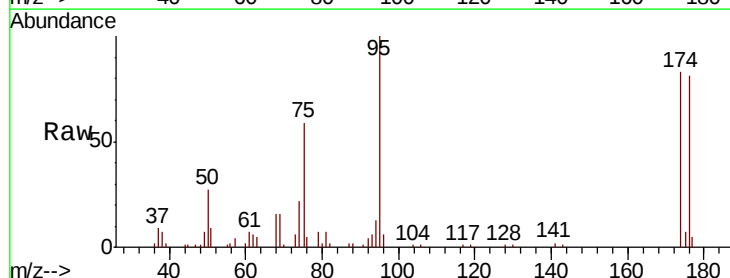
Tgt Ion: 95 Resp: 87452

Ion Ratio Lower Upper

95 100

174 83.0 0.0 158.4

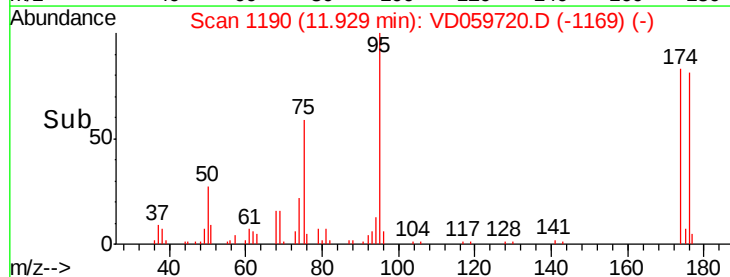
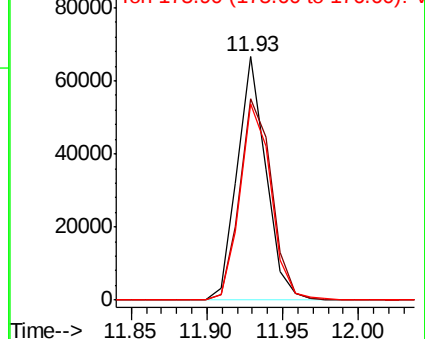
176 80.6 0.0 153.0

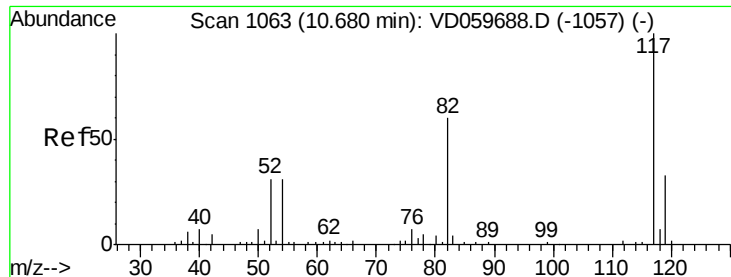


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

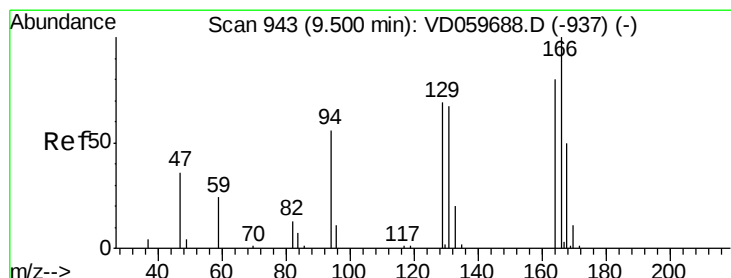
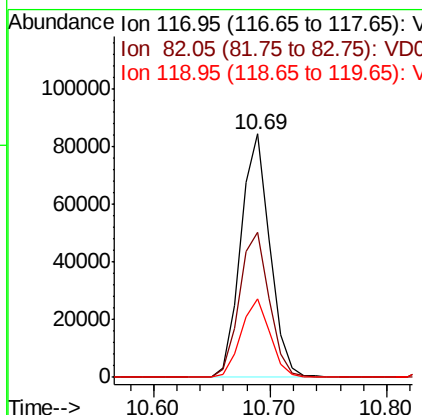
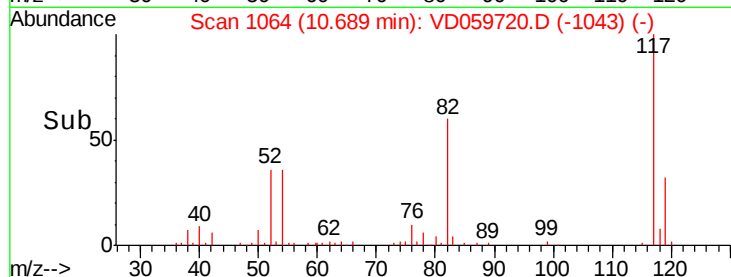
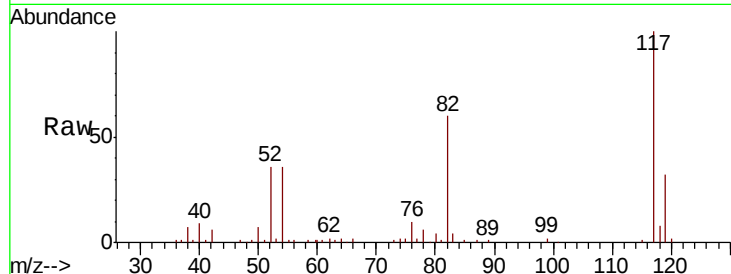




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

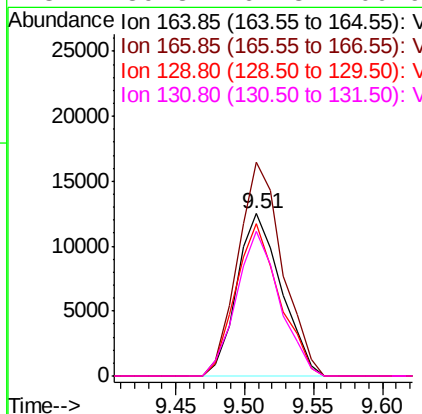
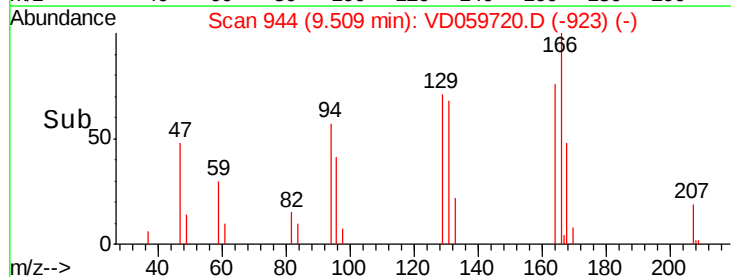
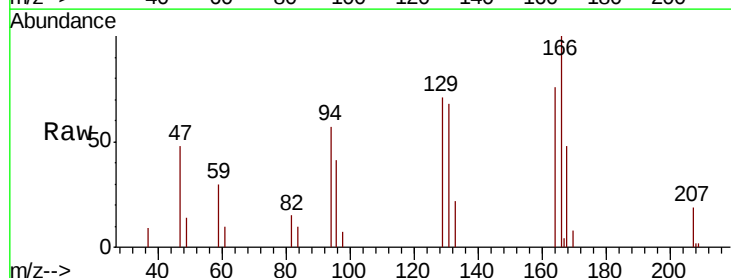
Instrument :
MSVOA_D
ClientSampleId :
VD0809SBSD01

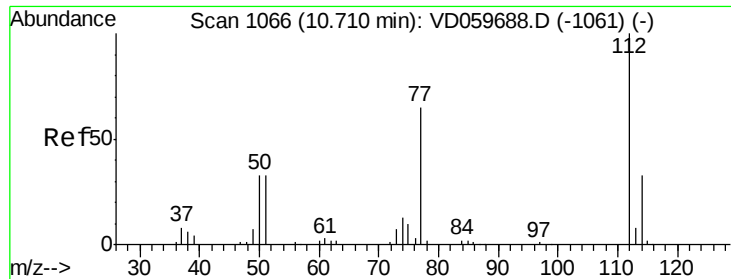
Tot Ion:117 Resp: 146267
Ion Ratio Lower Upper
117 100
82 59.8 47.7 71.5
119 32.1 26.6 40.0



#64
Tetrachloroethene
Concen: 20.19 ug/l
RT: 9.51 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion:164 Resp: 27957
Ion Ratio Lower Upper
164 100
166 131.8 100.5 150.7
129 94.2 69.3 103.9
131 89.3 67.3 100.9

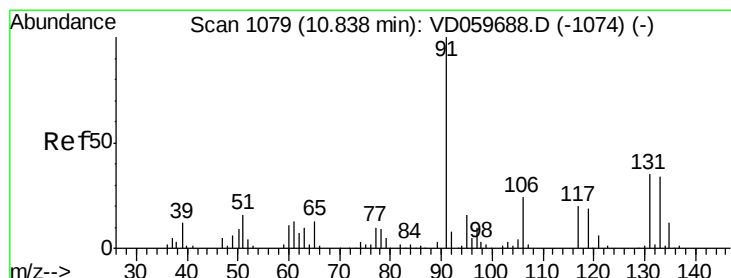
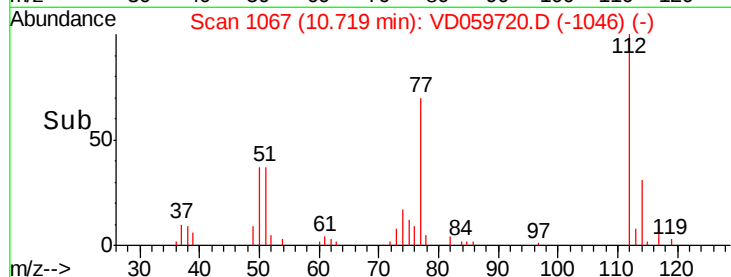
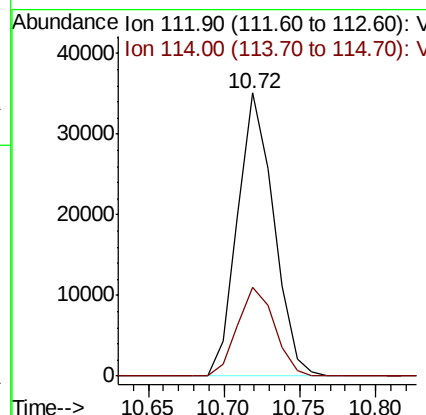
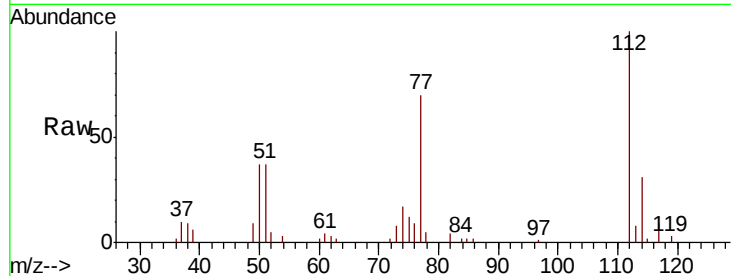




#65
Chlorobenzene
Concen: 18.94 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

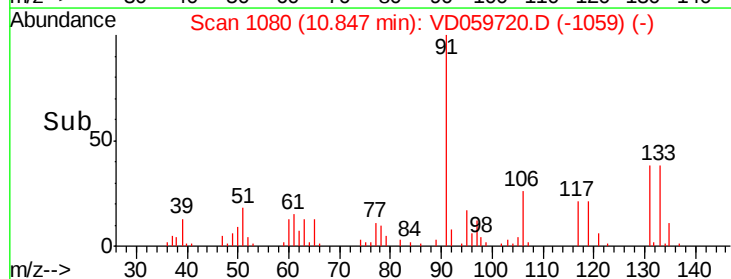
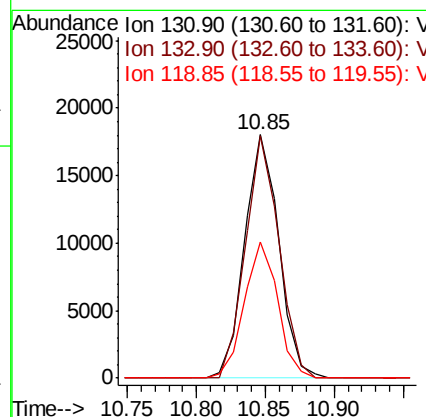
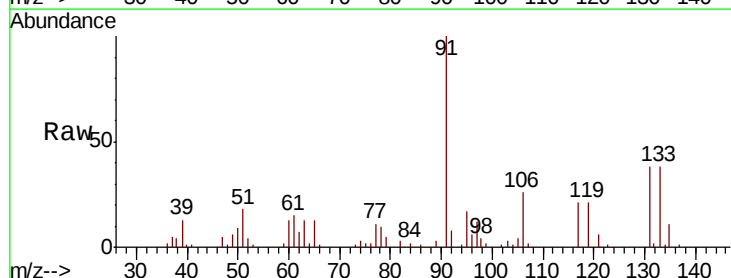
Instrument :
MSVOA_D
ClientSampleId :
VD0809SBSD01

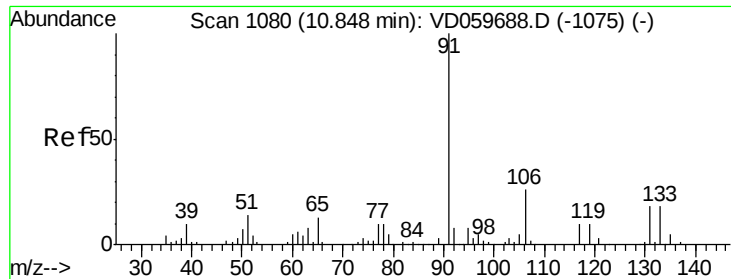
Tot Ion:112 Resp: 58392
Ion Ratio Lower Upper
112 100
114 31.4 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 23.14 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion:131 Resp: 31266
Ion Ratio Lower Upper
131 100
133 99.5 49.7 149.1
119 56.0 27.0 80.8





#67

Ethyl Benzene

Concen: 19.80 ug/l

RT: 10.86 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

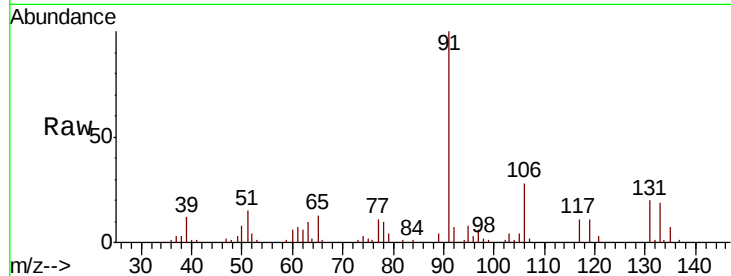
VD0809SBS01

Tot Ion: 91 Resp: 109892

Ion Ratio Lower Upper

91 100

106 27.6 20.9 31.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC

10.86

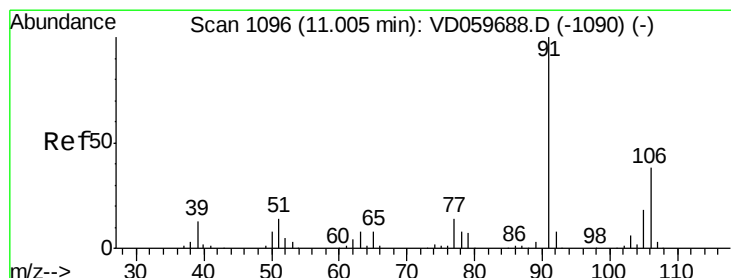
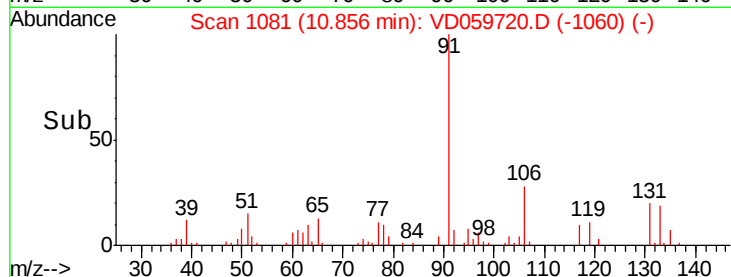
60000

40000

20000

0

Time-->



#68

m/p-Xylenes

Concen: 41.35 ug/l

RT: 11.01 min Scan# 1097

Delta R.T. 0.01 min

Lab File: VD059720.D

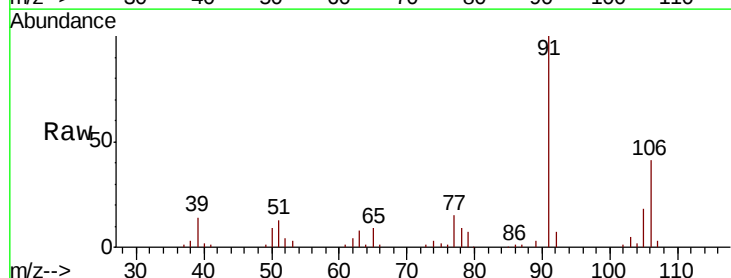
Acq: 9 Aug 2018 17:23

Tgt Ion: 106 Resp: 73425

Ion Ratio Lower Upper

106 100

91 245.0 209.7 314.5



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

11.01

100000

80000

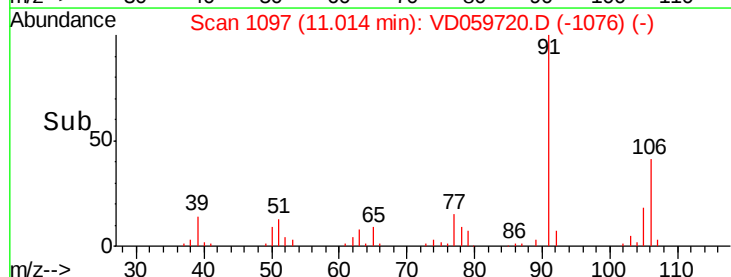
60000

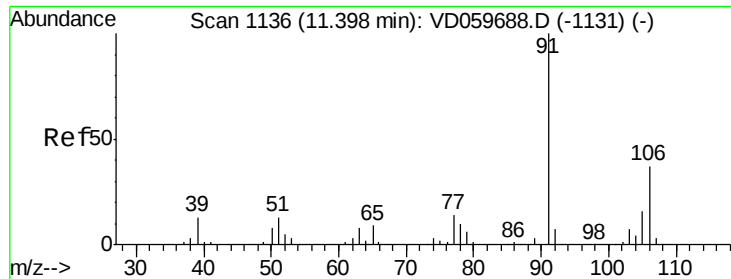
40000

20000

0

Time-->

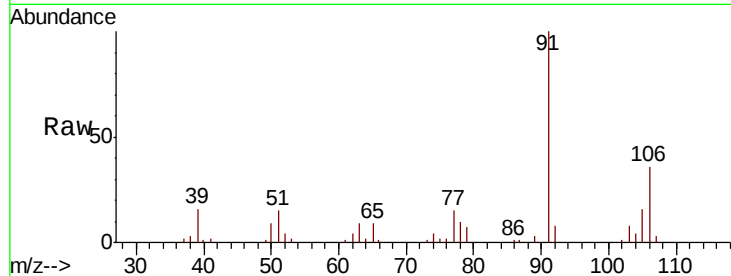




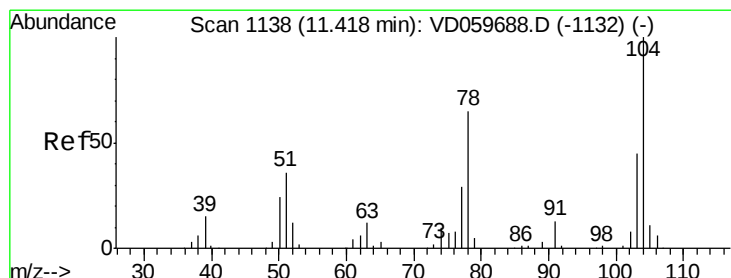
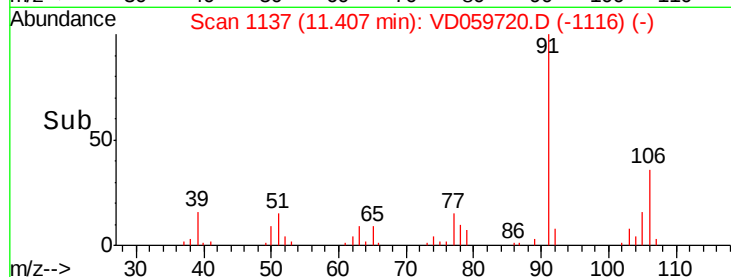
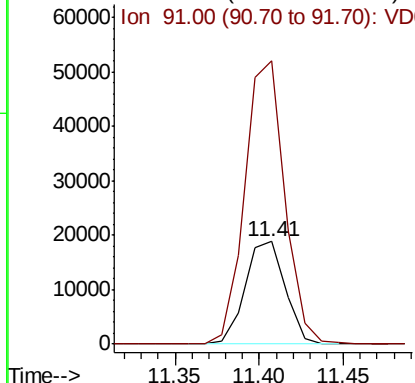
#69
o-Xylene
Concen: 17.98 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Instrument :
MSVOA_D
ClientSampleId :
VD0809SBSD01

Tot Ion:106 Resp: 31046
Ion Ratio Lower Upper
106 100
91 275.6 135.2 405.6

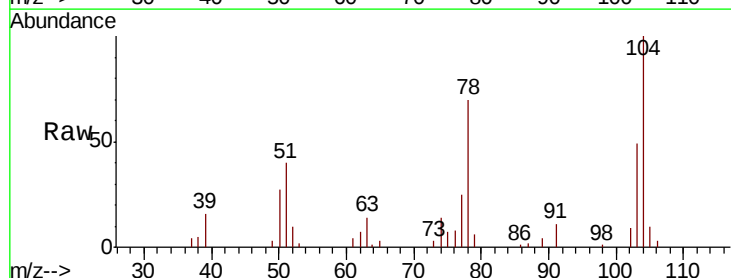


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

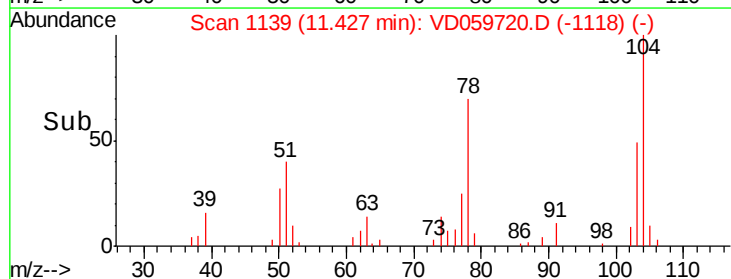
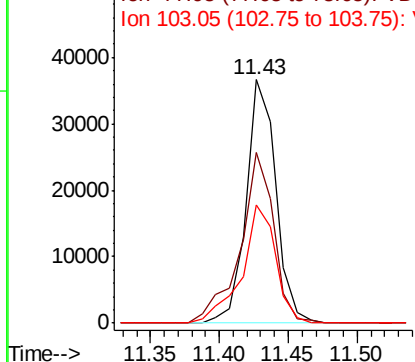


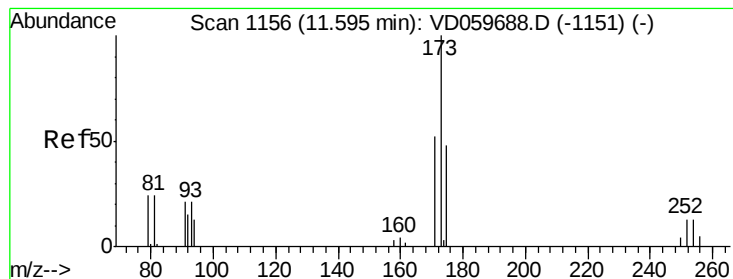
#70
Styrene
Concen: 19.02 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion:104 Resp: 55128
Ion Ratio Lower Upper
104 100
78 70.0 51.9 77.9
103 48.5 36.2 54.4



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 23.72 ug/l

RT: 11.59 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VD0809SBSD01

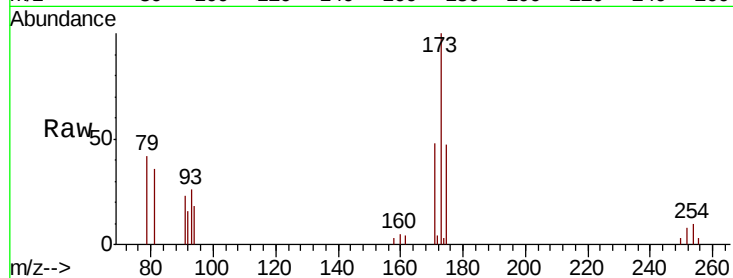
Tot Ion:173 Resp: 24153

Ion Ratio Lower Upper

173 100

175 46.8 24.1 72.4

254 10.0 10.6 16.0#

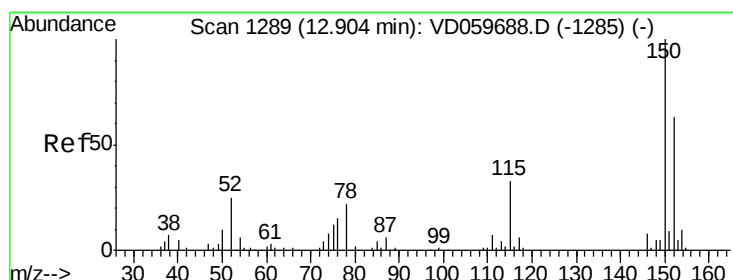
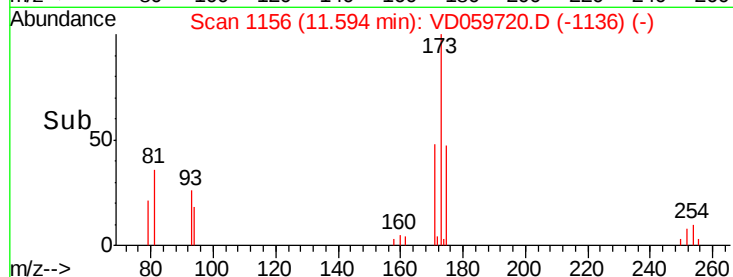
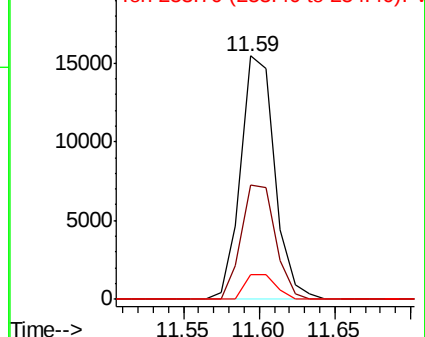


Abundance

Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

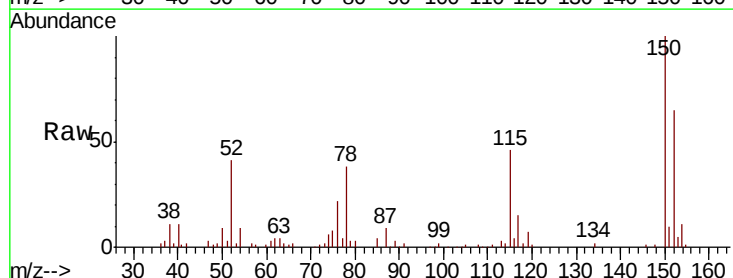
Tgt Ion:152 Resp: 81357

Ion Ratio Lower Upper

152 100

115 70.0 28.8 86.4

150 153.4 0.0 318.0

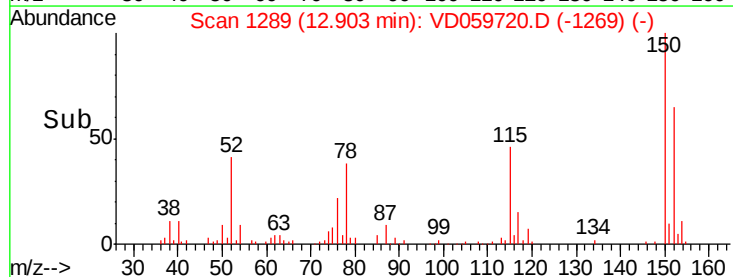
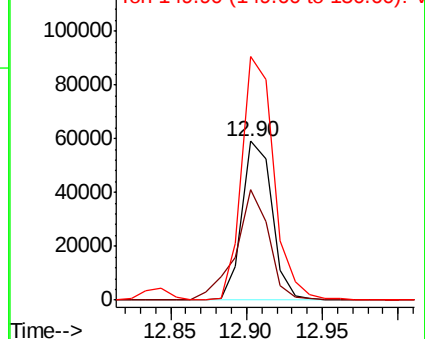


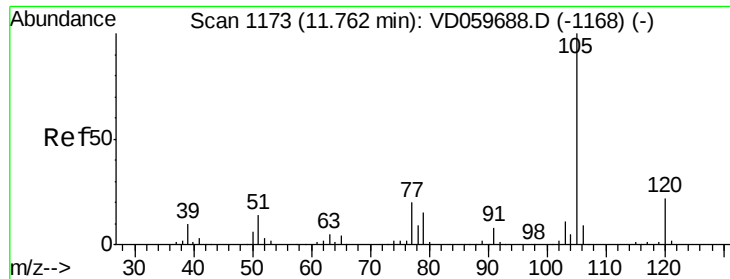
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.45 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

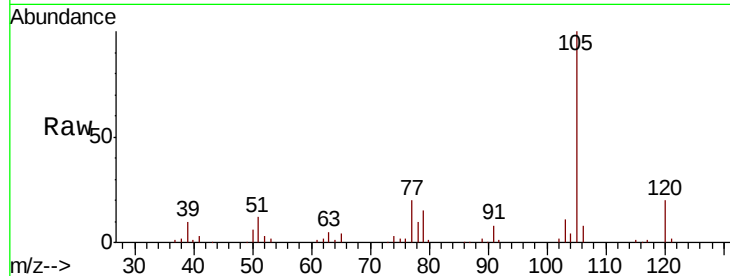
VD0809SBS01

Tot Ion:105 Resp: 111838

Ion Ratio Lower Upper

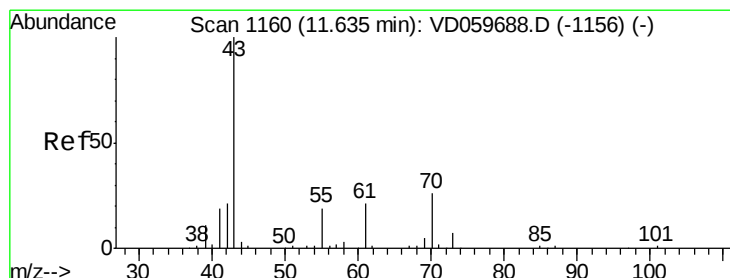
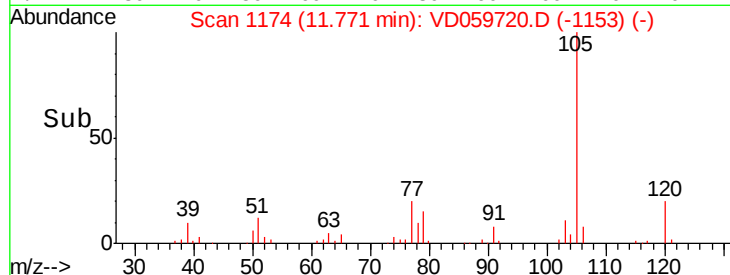
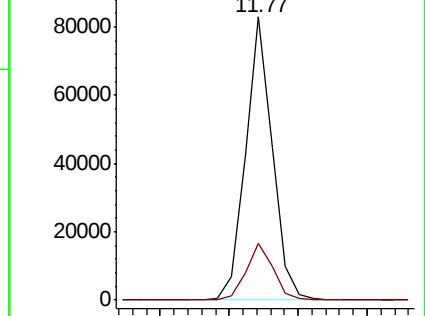
105 100

120 20.2 10.8 32.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.67 ug/l

RT: 11.64 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Tgt Ion: 43 Resp: 34399

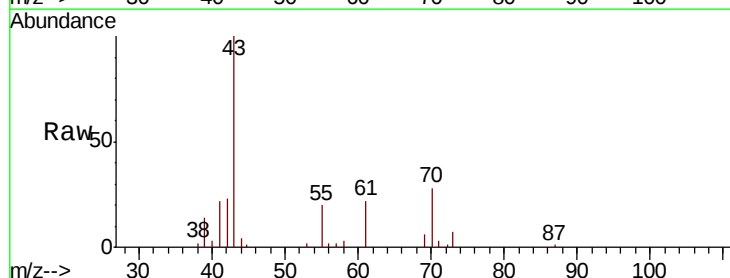
Ion Ratio Lower Upper

43 100

70 28.2 21.0 31.6

55 20.1 15.4 23.2

61 21.6 16.8 25.2

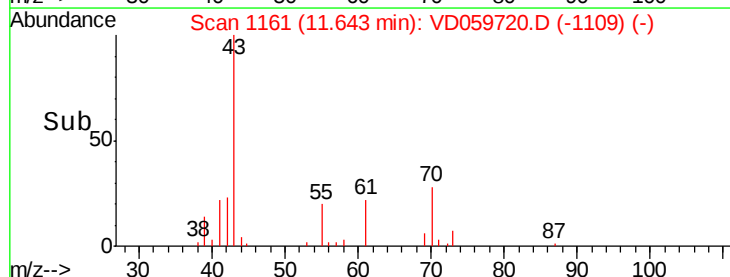
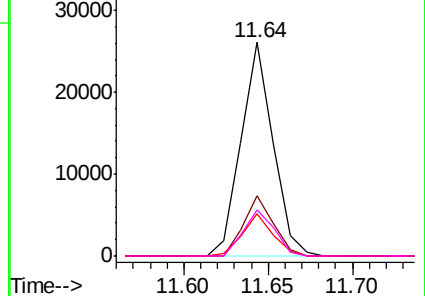


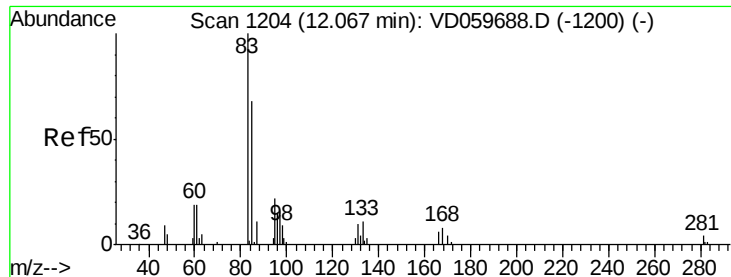
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.79 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VD0809SBS01

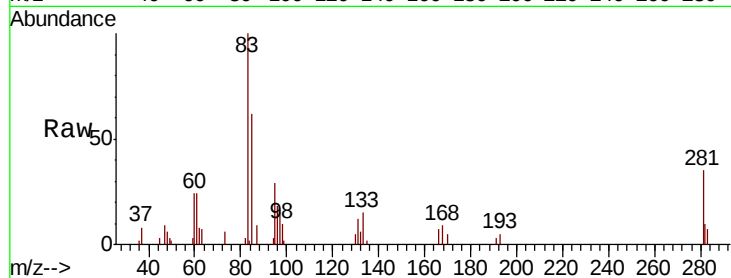
Tot Ion: 83 Resp: 20611

Ion Ratio Lower Upper

83 100

131 12.4 5.3 15.9

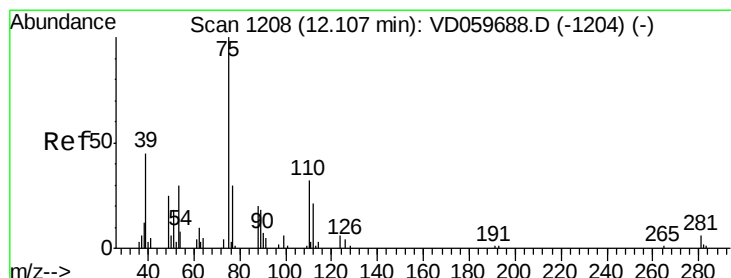
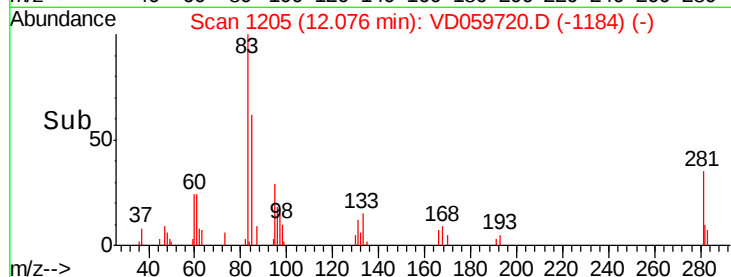
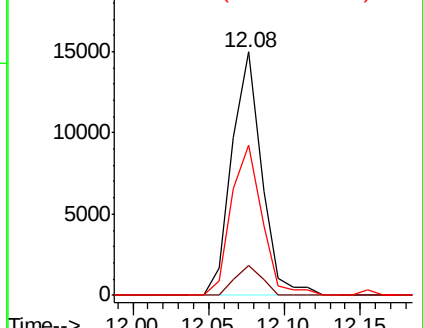
85 61.6 34.1 102.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.00 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059720.D

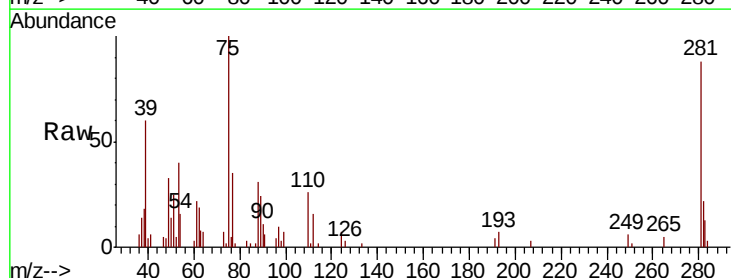
Acq: 9 Aug 2018 17:23

Tgt Ion: 75 Resp: 26405

Ion Ratio Lower Upper

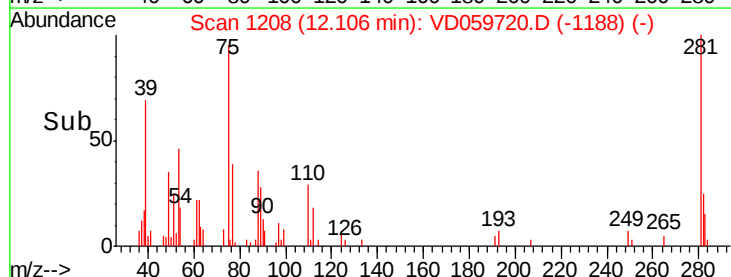
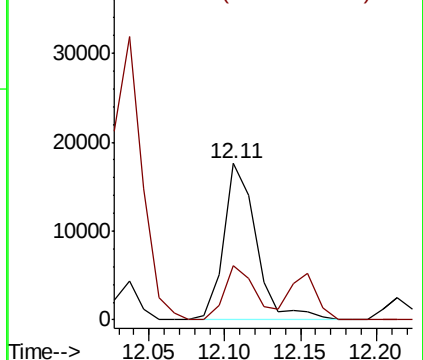
75 100

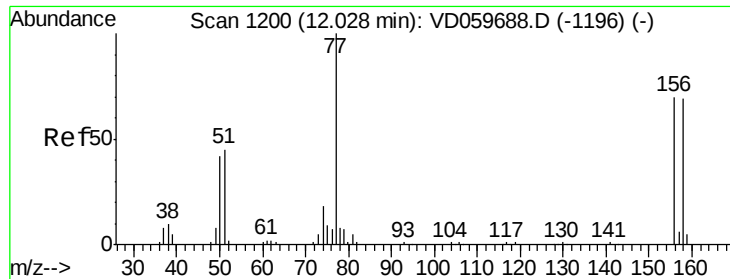
77 34.5 15.5 46.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.68 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VD0809SBSD01

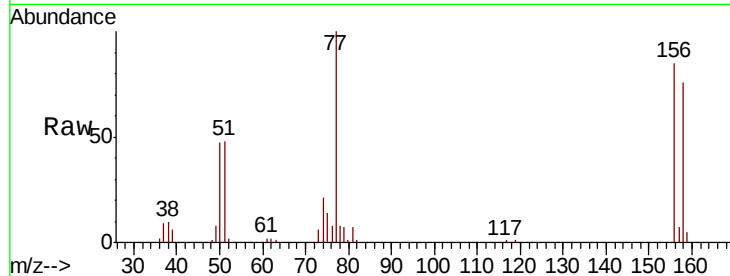
Tot Ion:156 Resp: 34555

Ion Ratio Lower Upper

156 100

77 117.2 71.2 213.6

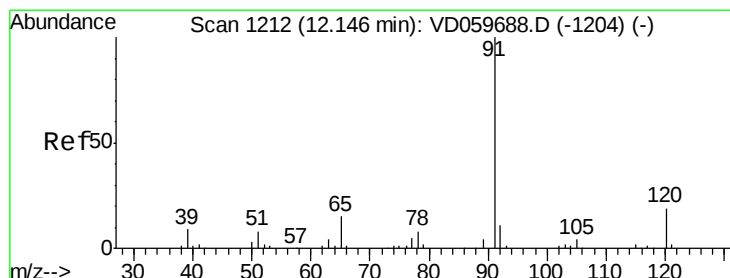
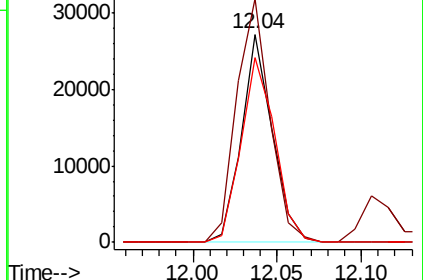
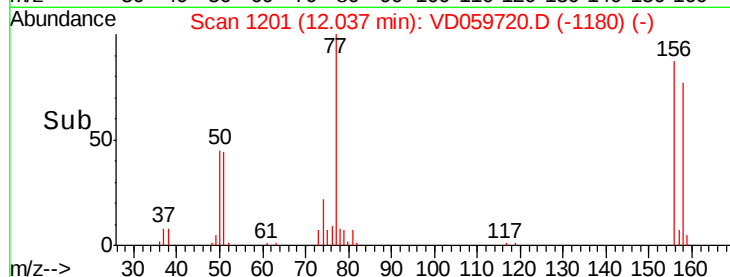
158 88.6 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.50 ug/l

RT: 12.15 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD059720.D

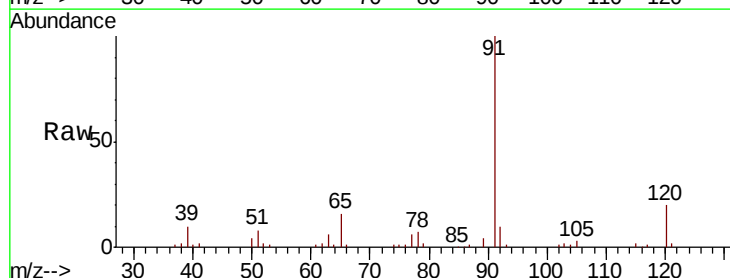
Acq: 9 Aug 2018 17:23

Tgt Ion: 91 Resp: 132137

Ion Ratio Lower Upper

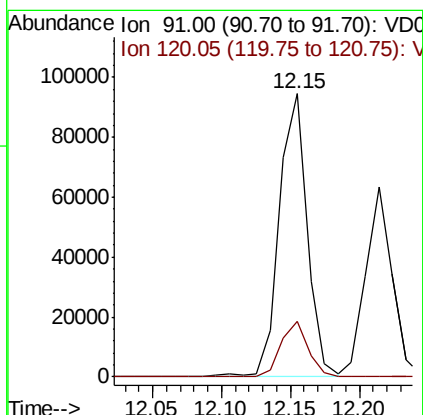
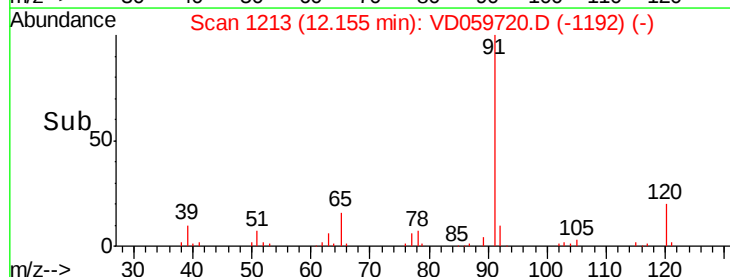
91 100

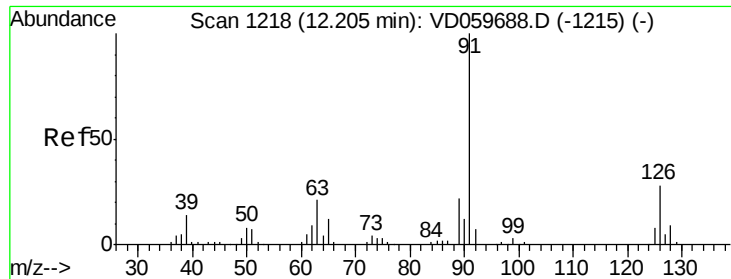
120 19.8 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

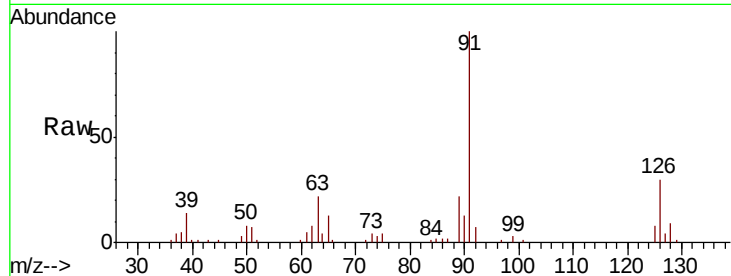




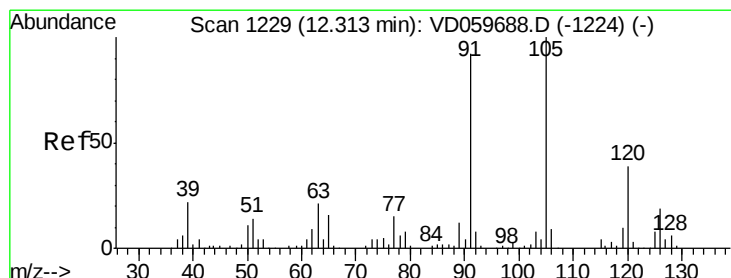
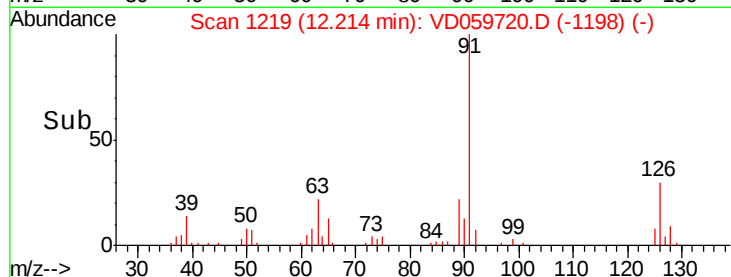
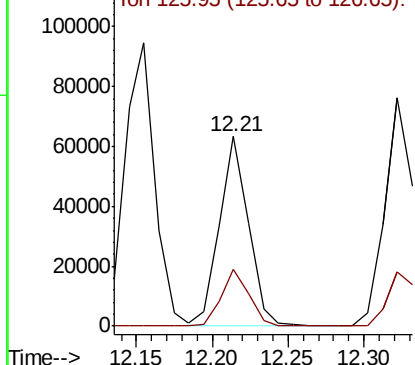
#79
 2-Chlorotoluene
 Concen: 20.80 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059720.D
 Acq: 9 Aug 2018 17:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0809SBS01

Tot Ion: 91 Resp: 85106
 Ion Ratio Lower Upper
 91 100
 126 30.2 13.7 41.0

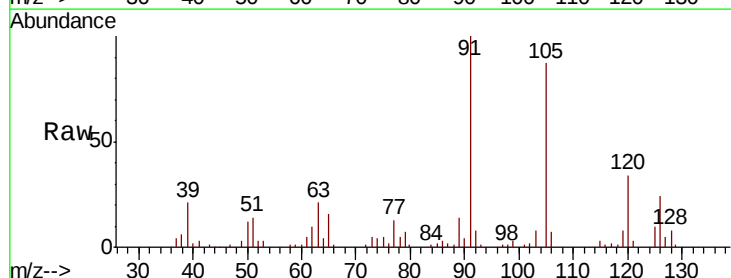


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

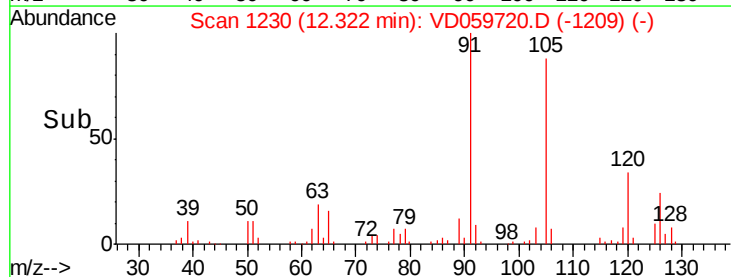
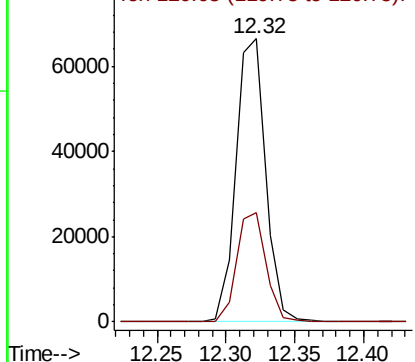


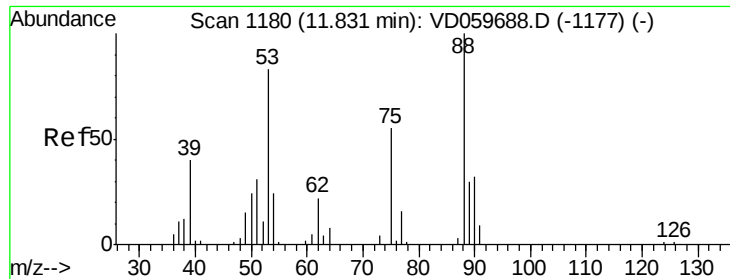
#80
 1,3,5-Trimethylbenzene
 Concen: 21.93 ug/l
 RT: 12.32 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VD059720.D
 Acq: 9 Aug 2018 17:23

Tgt Ion: 105 Resp: 99872
 Ion Ratio Lower Upper
 105 100
 120 38.7 19.7 59.1



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

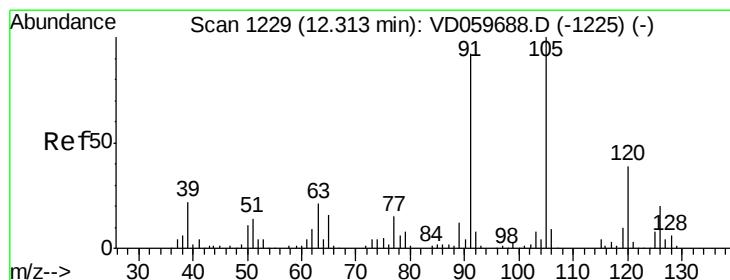
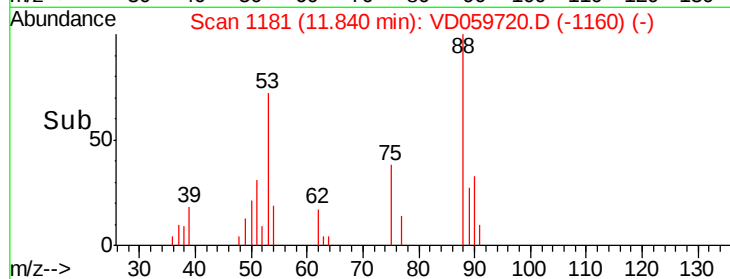
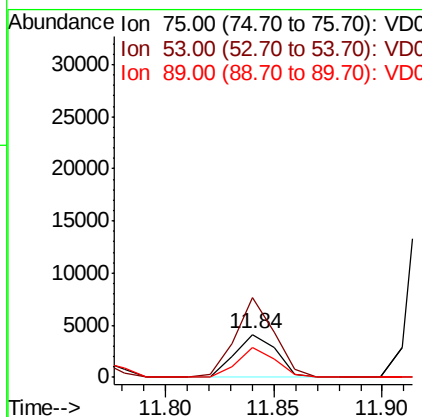
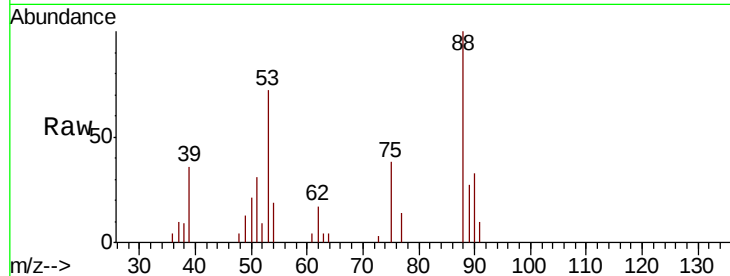




#81
trans-1,4-Dichloro-2-butene
Concen: 17.71 ug/l
RT: 11.84 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

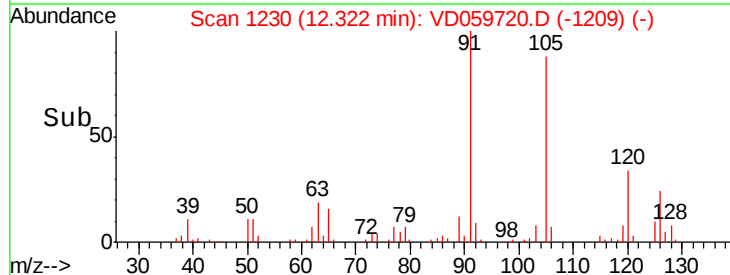
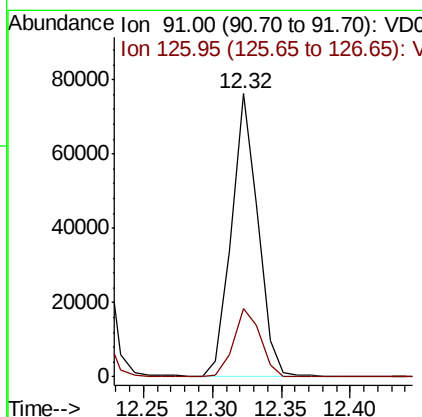
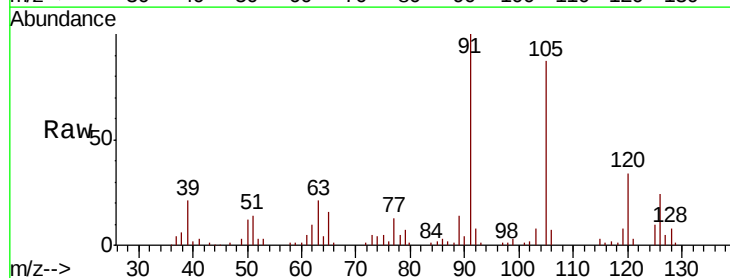
Instrument :
MSVOA_D
ClientSampleId :
VD0809SBSD01

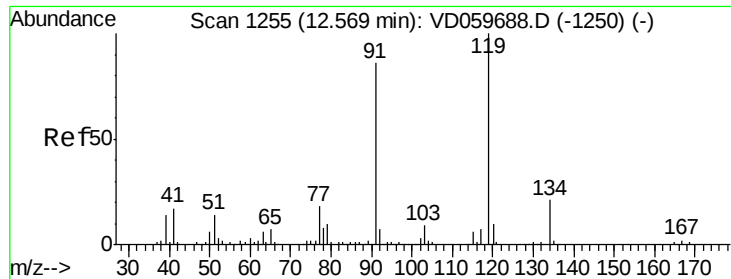
Tot Ion: 75 Resp: 5436
Ion Ratio Lower Upper
75 100
53 186.5 120.5 180.7#
89 71.2 44.4 66.6#



#82
4-Chlorotoluene
Concen: 21.33 ug/l
RT: 12.32 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion: 91 Resp: 102165
Ion Ratio Lower Upper
91 100
126 24.0 10.7 31.9

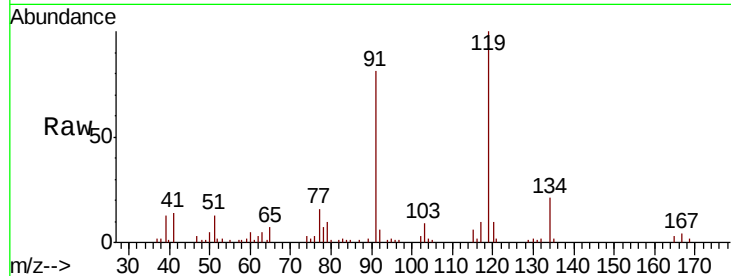




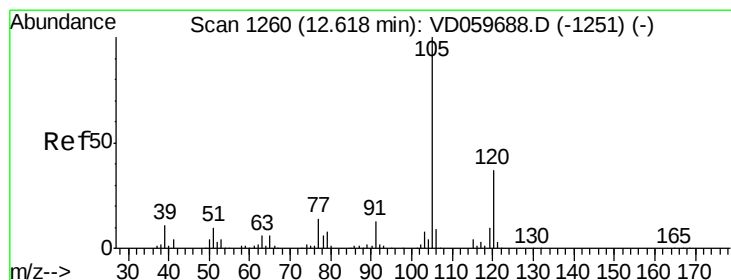
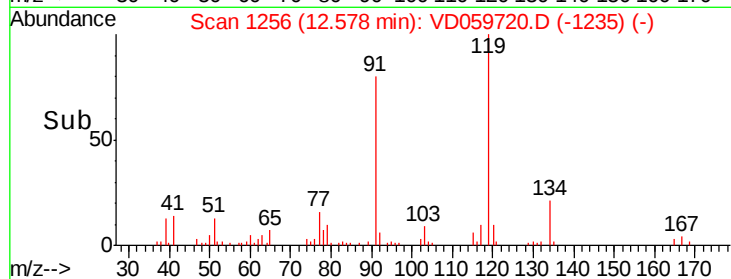
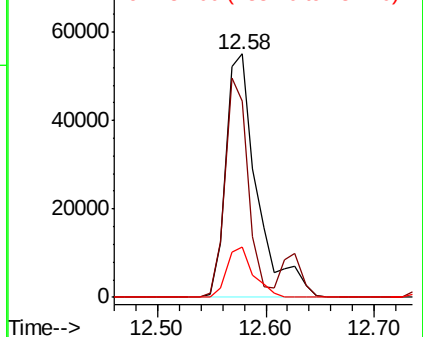
#83
tert-Butylbenzene
Concen: 21.69 ug/l
RT: 12.58 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Instrument :
MSVOA_D
ClientSampleId :
VD0809SBSD01

Tot Ion:119 Resp: 110592
Ion Ratio Lower Upper
119 100
91 80.8 43.3 129.9
134 20.8 10.5 31.6

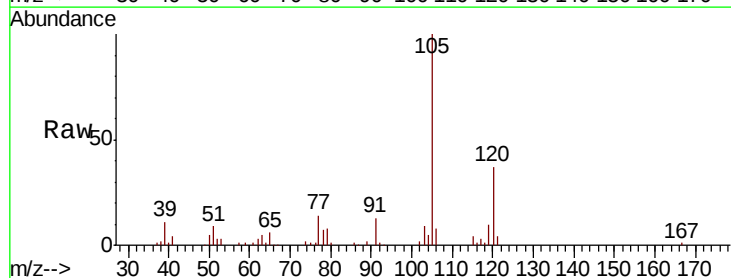


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

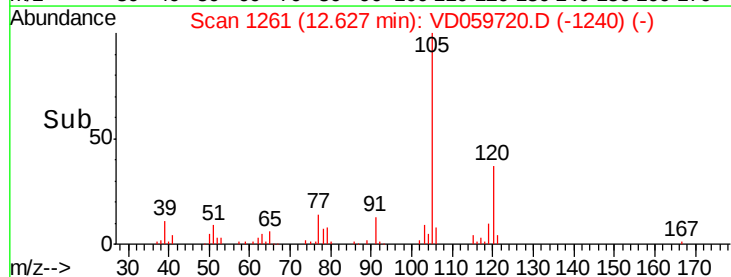
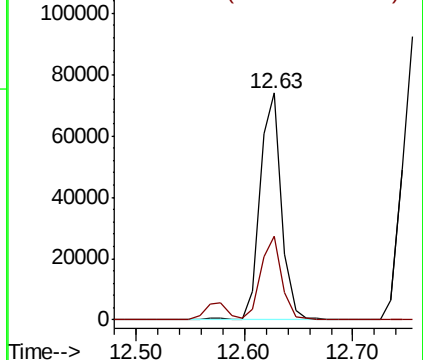


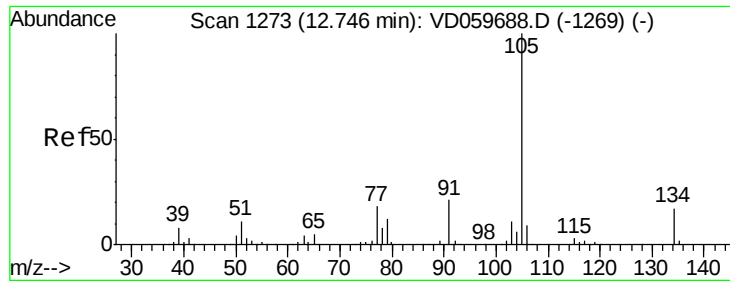
#84
1,2,4-Trimethylbenzene
Concen: 20.97 ug/l
RT: 12.63 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion:105 Resp: 101219
Ion Ratio Lower Upper
105 100
120 36.8 18.7 56.1



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 20.57 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

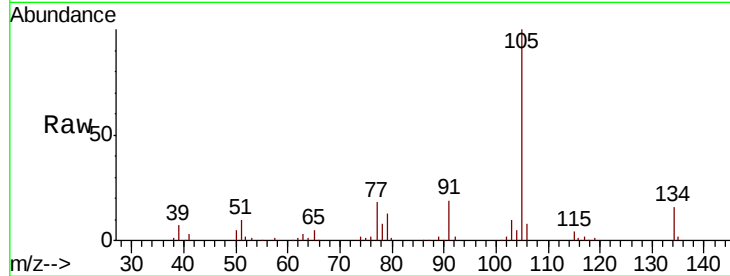
VD0809SBSD01

Tot Ion:105 Resp: 116428

Ion Ratio Lower Upper

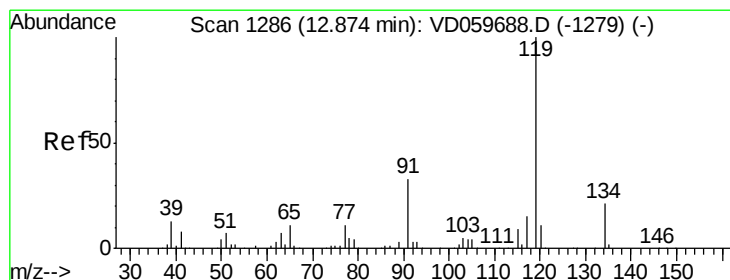
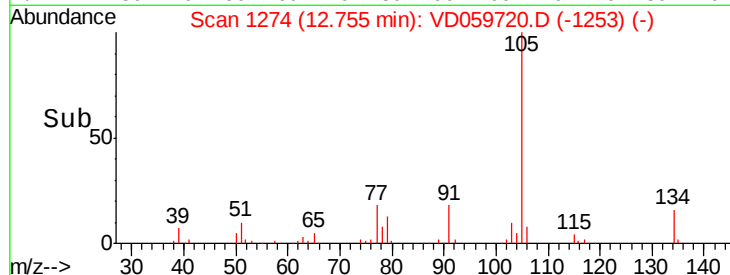
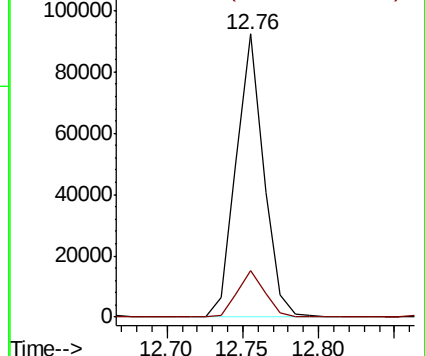
105 100

134 16.5 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.87 ug/l

RT: 12.88 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

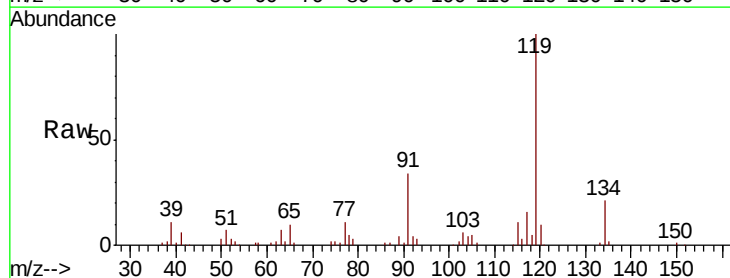
Tgt Ion:119 Resp: 100774

Ion Ratio Lower Upper

119 100

134 21.1 10.7 32.1

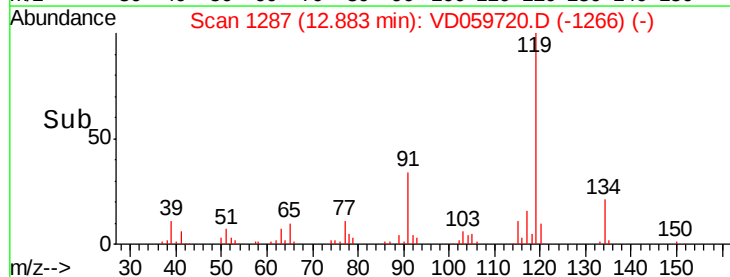
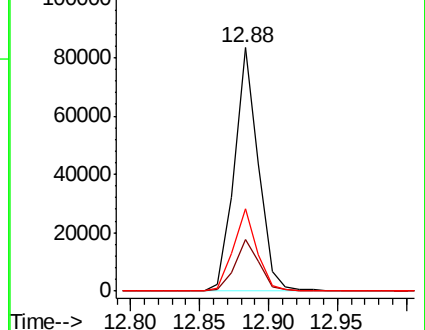
91 33.8 16.6 49.7

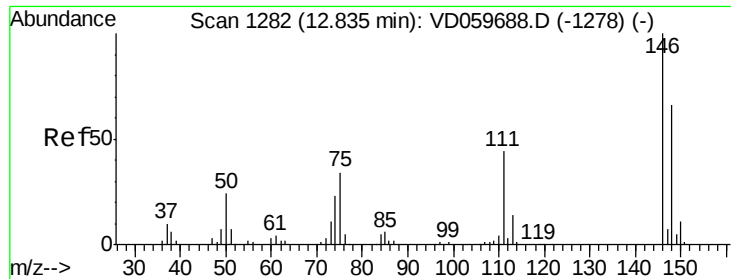


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

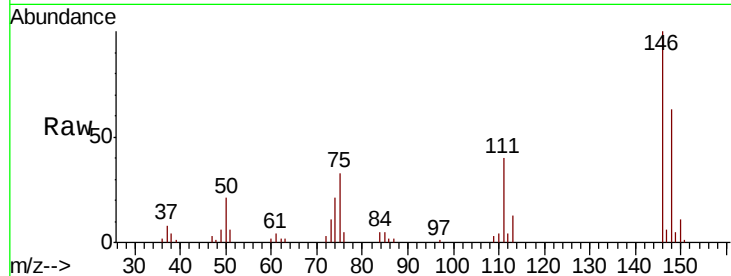




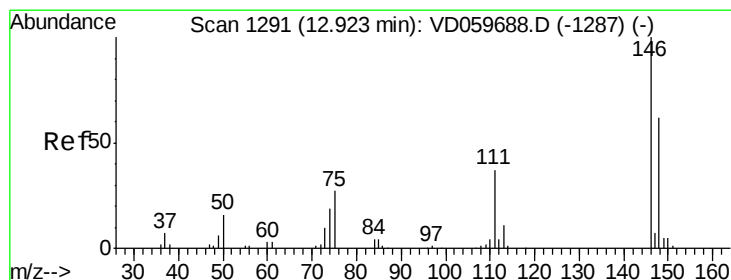
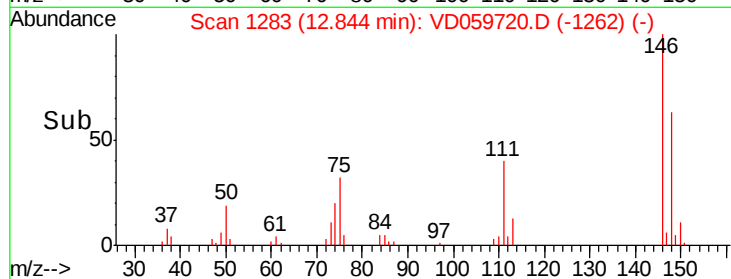
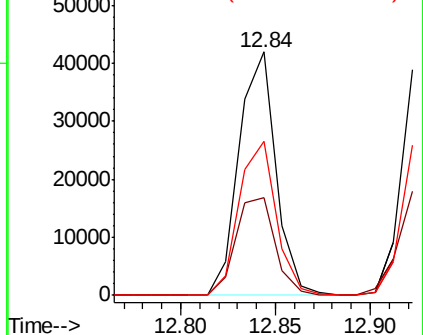
#87
 1,3-Dichlorobenzene
 Concen: 20.49 ug/l
 RT: 12.84 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD059720.D
 Acq: 9 Aug 2018 17:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0809SBSD01

Tot Ion:146 Resp: 56355
 Ion Ratio Lower Upper
 146 100
 111 39.9 21.8 65.4
 148 63.5 33.1 99.2

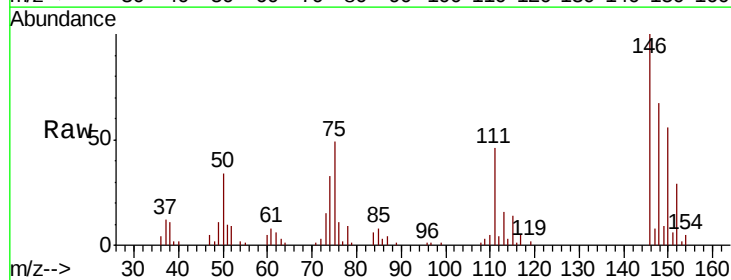


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

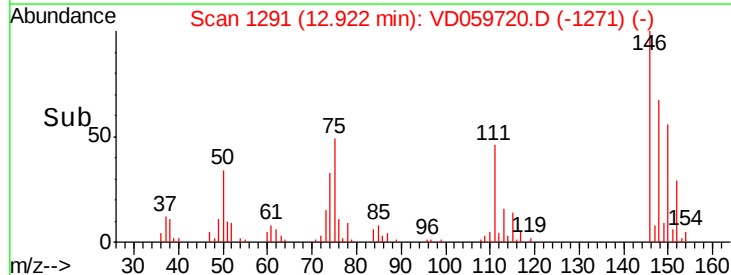
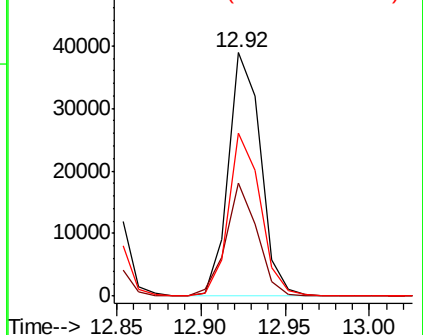


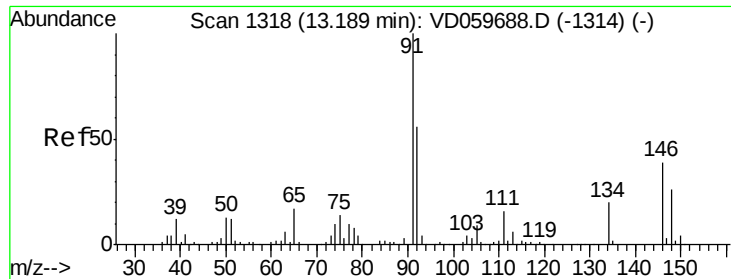
#88
 1,4-Dichlorobenzene
 Concen: 18.82 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059720.D
 Acq: 9 Aug 2018 17:23

Tgt Ion:146 Resp: 51640
 Ion Ratio Lower Upper
 146 100
 111 46.3 18.6 55.8
 148 66.7 31.2 93.6



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

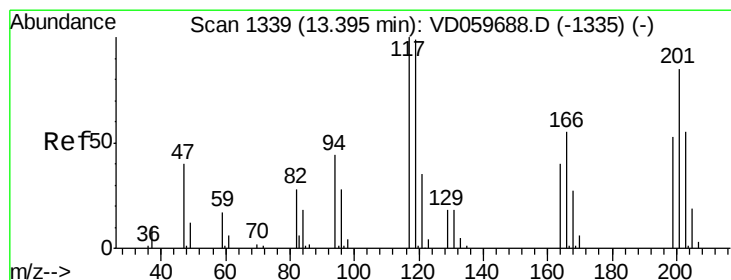
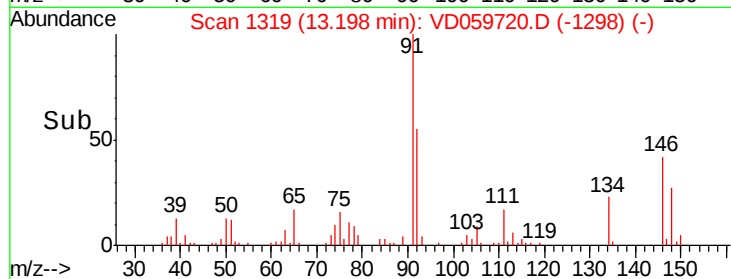
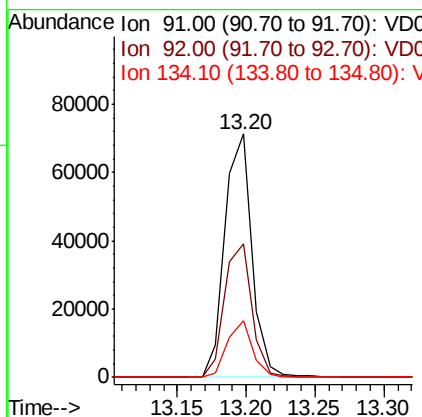
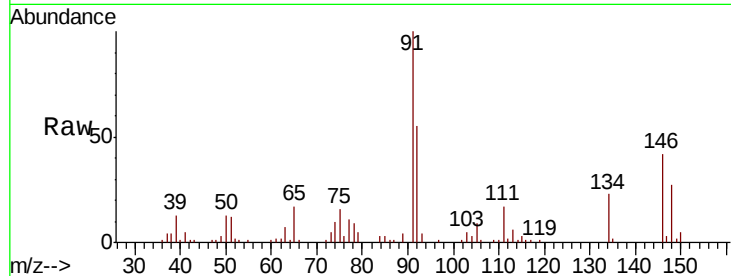




#89
n-Butylbenzene
Concen: 19.82 ug/l
RT: 13.20 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

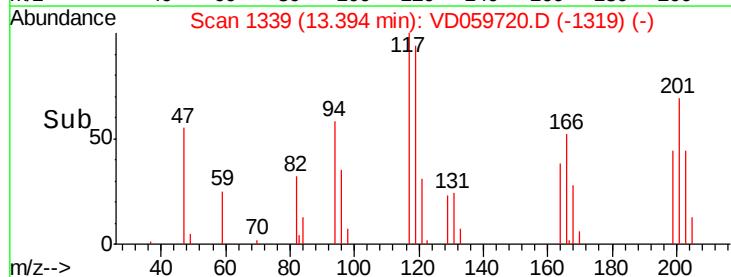
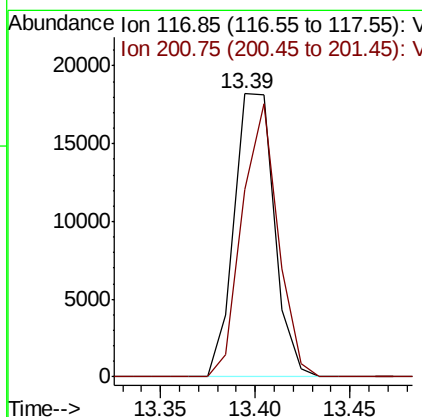
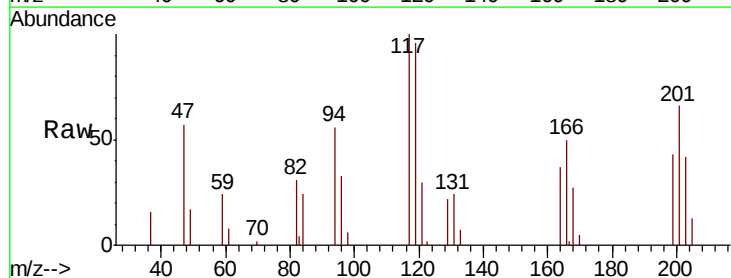
Instrument :
MSVOA_D
ClientSampleId :
VD0809SBSD01

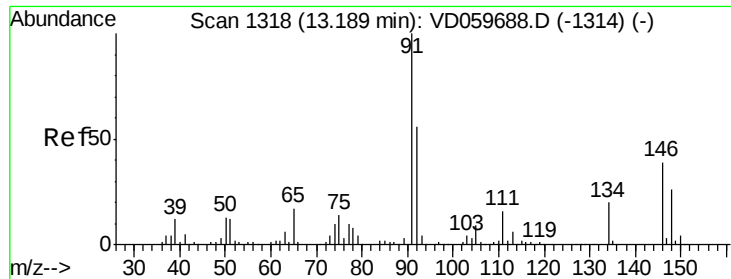
Tot Ion: 91 Resp: 97018
Ion Ratio Lower Upper
91 100
92 54.9 28.2 84.6
134 23.1 9.8 29.5



#90
Hexachloroethane
Concen: 21.32 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion: 117 Resp: 26676
Ion Ratio Lower Upper
117 100
201 66.0 42.4 127.1





#91

1,2-Dichlorobenzene

Concen: 19.98 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VD0809SBSD01

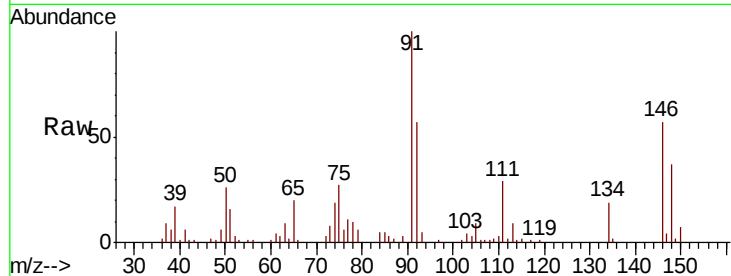
Tot Ion:146 Resp: 46290

Ion Ratio Lower Upper

146 100

111 50.0 20.8 62.2

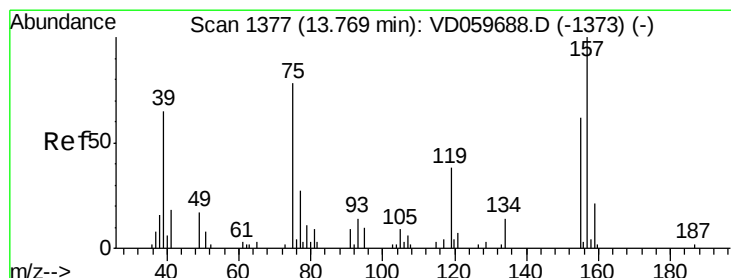
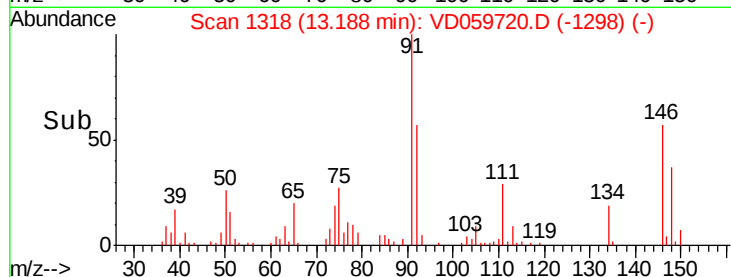
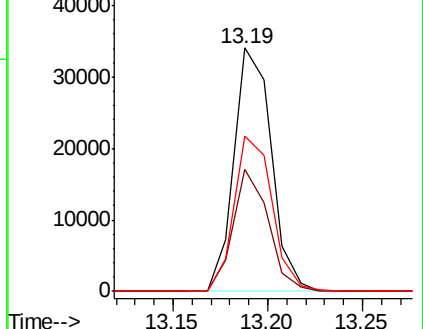
148 63.9 33.4 100.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.54 ug/l

RT: 13.77 min Scan# 1377

Delta R.T. -0.00 min

Lab File: VD059720.D

Acq: 9 Aug 2018 17:23

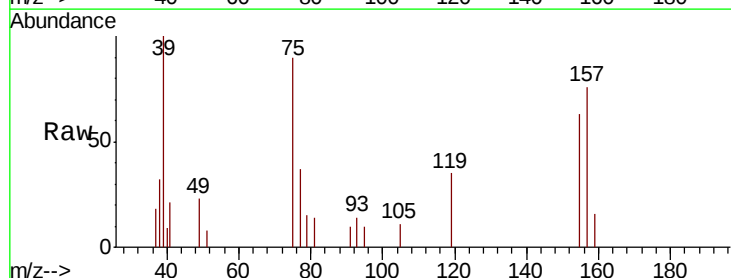
Tgt Ion: 75 Resp: 4935

Ion Ratio Lower Upper

75 100

155 69.8 40.0 119.9

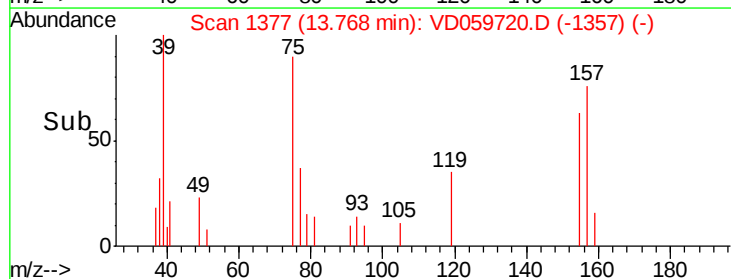
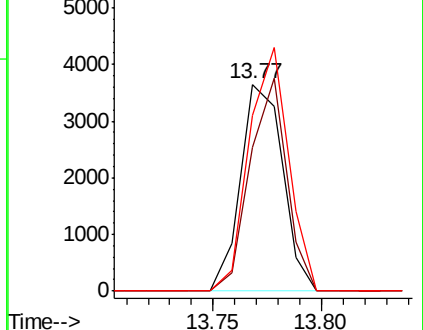
157 84.7 64.3 192.7

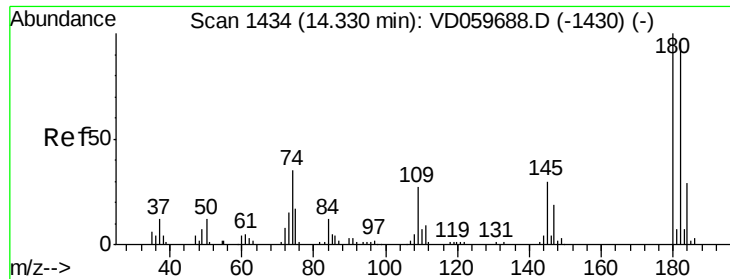


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

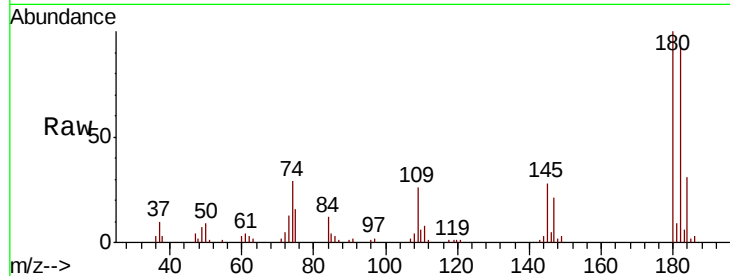




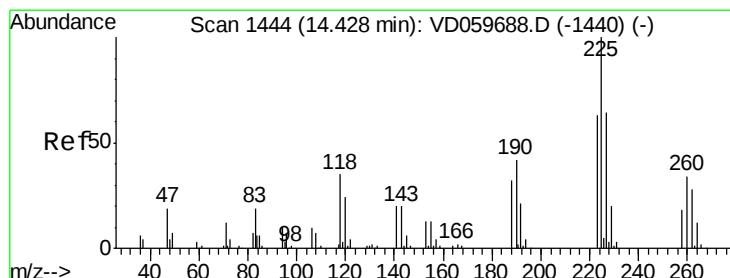
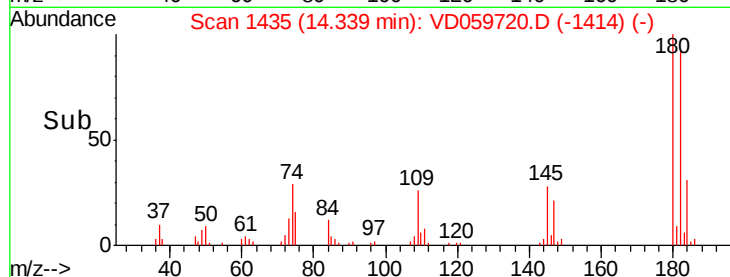
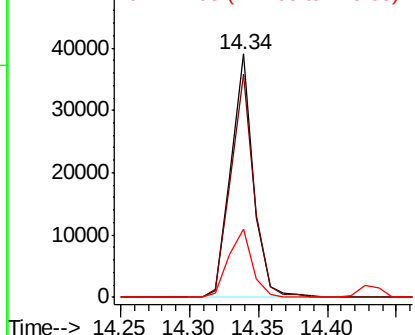
#93
 1,2,4-Trichlorobenzene
 Concen: 21.27 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059720.D
 Acq: 9 Aug 2018 17:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0809SBS01

Tot Ion:180 Resp: 44325
 Ion Ratio Lower Upper
 180 100
 182 91.8 48.0 144.0
 145 28.1 14.8 44.4

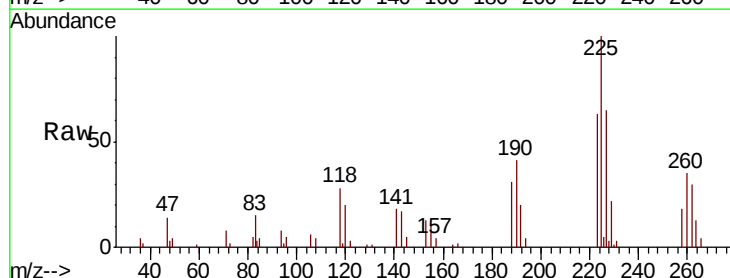


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

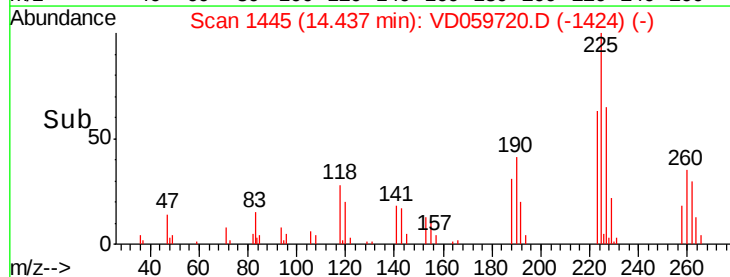
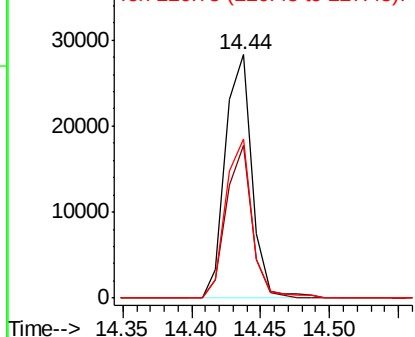


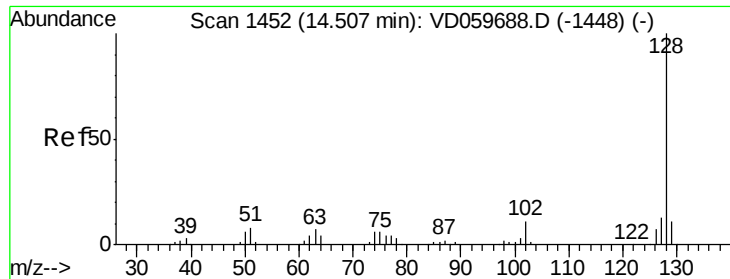
#94
 Hexachlorobutadiene
 Concen: 23.49 ug/l
 RT: 14.44 min Scan# 1445
 Delta R.T. 0.01 min
 Lab File: VD059720.D
 Acq: 9 Aug 2018 17:23

Tgt Ion:225 Resp: 37957
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.4 94.3
 227 65.3 32.1 96.3



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

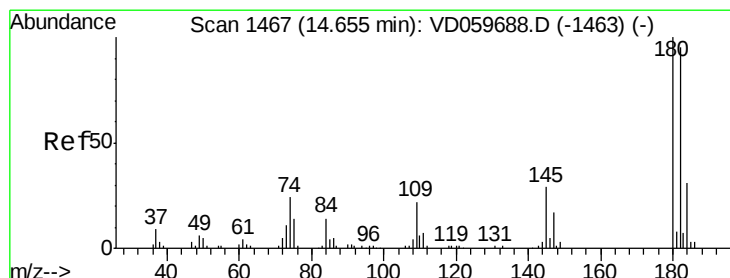
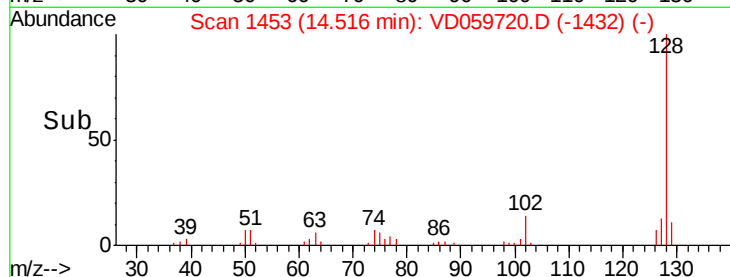
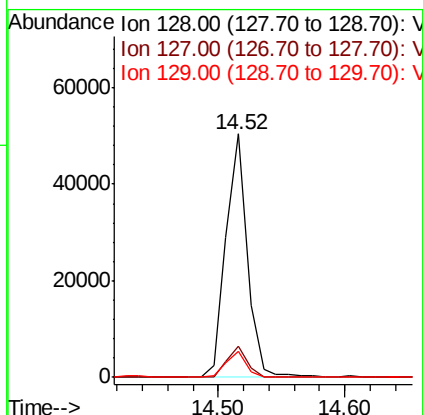
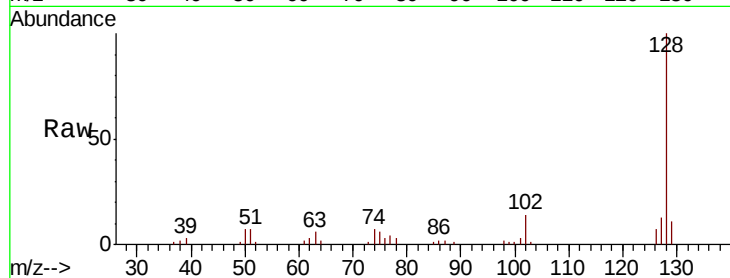




#95
Naphthalene
Concen: 19.19 ug/l
RT: 14.52 min Scan# 1453
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Instrument :
MSVOA_D
ClientSampleId :
VD0809SBSD01

Tot Ion:128 Resp: 59232
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.06 ug/l
RT: 14.66 min Scan# 1468
Delta R.T. 0.01 min
Lab File: VD059720.D
Acq: 9 Aug 2018 17:23

Tgt Ion:180 Resp: 38387
Ion Ratio Lower Upper
180 100
182 97.3 47.5 142.5
145 28.8 14.5 43.5

