

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080818\
 Data File : VD059710.D
 Acq On : 8 Aug 2018 13:49
 Operator : VA/AP
 Sample : VD0808SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

Quant Time: Aug 08 14:21:48 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	5.64	168	228643	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	276164	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.69	117	237481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	126164	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	164804	56.03	ug/l	0.02
Spiked Amount	50.000		Recovery	=	112.06%	
35) Dibromofluoromethane	5.54	113	137622	55.48	ug/l	0.02
Spiked Amount	50.000		Recovery	=	110.96%	
50) Toluene-d8	8.71	98	306254	56.72	ug/l	0.02
Spiked Amount	50.000		Recovery	=	113.44%	
62) 4-Bromofluorobenzene	11.93	95	137705	55.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	51880	16.17	ug/l	99
3) Chloromethane	1.48	50	25339	17.72	ug/l #	88
4) Vinyl Chloride	1.55	62	30364	18.18	ug/l	90
5) Bromomethane	1.79	94	9652	17.57	ug/l	97
6) Chloroethane	1.88	64	10656	15.70	ug/l #	82
7) Trichlorofluoromethane	2.08	101	51318	18.86	ug/l	99
8) Diethyl Ether	2.35	74	10144	20.35	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.55	101	31871	20.73	ug/l	96
10) Methyl Iodide	2.69	142	35429	20.05	ug/l	93
11) Tert butyl alcohol	3.27	59	10706	100.04	ug/l #	76
12) 1,1-Dichloroethene	2.54	96	22707	20.22	ug/l	98
13) Acrolein	2.48	56	8821	87.75	ug/l	94
14) Allyl chloride	2.92	41	53808	20.94	ug/l	93
15) Acrylonitrile	3.36	53	30463	102.62	ug/l #	94
16) Acetone	2.61	43	50080	90.64	ug/l	98
17) Carbon Disulfide	2.75	76	78494	19.35	ug/l #	93
18) Methyl Acetate	2.93	43	19373	18.98	ug/l #	88
19) Methyl tert-butyl Ether	3.41	73	105086	24.52	ug/l	99
20) Methylene Chloride	3.07	84	37296	18.10	ug/l	89
21) trans-1,2-Dichloroethene	3.38	96	34422	23.42	ug/l	89
22) Diisopropyl ether	4.07	45	124317	20.57	ug/l	90
23) Vinyl Acetate	4.02	43	401825	104.85	ug/l	98
24) 1,1-Dichloroethane	3.97	63	77270	19.31	ug/l	99
25) 2-Butanone	4.85	43	63739	87.83	ug/l	94
26) 2,2-Dichloropropane	4.80	77	85745	20.07	ug/l	99
27) cis-1,2-Dichloroethene	4.81	96	40851	19.14	ug/l	93
28) Bromochloromethane	5.15	49	29485	19.96	ug/l	91
29) Tetrahydrofuran	5.18	42	28451	101.24	ug/l	94
30) Chloroform	5.33	83	91362	18.73	ug/l	99
31) Cyclohexane	5.59	56	50831	17.32	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	89479	18.86	ug/l	95
36) 1,1-Dichloropropene	5.74	75	63001	20.52	ug/l	96
37) Ethyl Acetate	4.92	43	30331	20.35	ug/l #	95
38) Carbon Tetrachloride	5.73	117	83920	20.42	ug/l	99

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 Acq On : 8 Aug 2018 13:49
 Operator : VA/AP
 Sample : VD0808SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

Quant Time: Aug 08 14:21:48 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	47497	18.31	ug/l	94
40) Benzene	6.02	78	117117	19.67	ug/l	99
41) Methacrylonitrile	5.13	41	14414	20.68	ug/l	94
42) 1,2-Dichloroethane	6.13	62	77313	21.00	ug/l	96
43) Isopropyl Acetate	7.62	43	38922	19.98	ug/l	96
44) Trichloroethene	6.98	130	42815	19.68	ug/l	91
45) 1,2-Dichloropropane	7.34	63	31159	19.82	ug/l	93
46) Dibromomethane	7.46	93	24661	18.10	ug/l	91
47) Bromodichloromethane	7.75	83	69029	19.89	ug/l	98
48) Methyl methacrylate	7.50	41	26889	20.91	ug/l	93
49) 1,4-Dioxane	7.50	88	3907	375.46	ug/l #	76
51) 4-Methyl-2-Pentanone	8.60	43	133159	93.71	ug/l	99
52) Toluene	8.80	92	78095	20.56	ug/l	95
53) t-1,3-Dichloropropene	9.18	75	61918	21.09	ug/l	96
54) cis-1,3-Dichloropropene	8.36	75	60905	20.14	ug/l	93
55) 1,1,2-Trichloroethane	9.46	97	29528	20.24	ug/l	93
56) Ethyl methacrylate	9.31	69	34824	21.63	ug/l	93
57) 1,3-Dichloropropane	9.67	76	44353	19.59	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.19	63	89395	116.57	ug/l	97
59) 2-Hexanone	9.78	43	100080	93.79	ug/l	97
60) Dibromochloromethane	9.96	129	48097	20.75	ug/l	93
61) 1,2-Dibromoethane	10.10	107	33360	19.89	ug/l	98
64) Tetrachloroethene	9.52	164	41993	18.68	ug/l	97
65) Chlorobenzene	10.73	112	97598	19.50	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	43203	19.69	ug/l	96
67) Ethyl Benzene	10.86	91	172104	19.10	ug/l	96
68) m/p-Xylenes	11.01	106	114829	39.83	ug/l	83
69) o-Xylene	11.41	106	54523	19.45	ug/l	91
70) Styrene	11.44	104	96421	20.49	ug/l	91
71) Bromoform	11.60	173	33124	20.04	ug/l #	95
73) Isopropylbenzene	11.77	105	172799	20.38	ug/l	100
74) N-amyl acetate	11.64	43	53840	19.85	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	33906	19.93	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	41287	21.17	ug/l	97
77) Bromobenzene	12.04	156	50458	20.42	ug/l	98
78) n-propylbenzene	12.16	91	207476	19.75	ug/l	95
79) 2-Chlorotoluene	12.21	91	123550	19.47	ug/l	94
80) 1,3,5-Trimethylbenzene	12.32	105	148533	21.03	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	9302	19.54	ug/l	90
82) 4-Chlorotoluene	12.32	91	149381	20.11	ug/l	94
83) tert-Butylbenzene	12.58	119	160753	20.34	ug/l	91
84) 1,2,4-Trimethylbenzene	12.63	105	147393	19.69	ug/l	98
85) sec-Butylbenzene	12.76	105	171591	19.55	ug/l	97
86) p-Isopropyltoluene	12.88	119	152672	20.39	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	85752	20.10	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	84359	19.82	ug/l	98
89) n-Butylbenzene	13.20	91	148256	19.53	ug/l	98
90) Hexachloroethane	13.40	117	37002	19.07	ug/l	89
91) 1,2-Dichlorobenzene	13.19	146	73218	20.38	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7046	19.83	ug/l	69

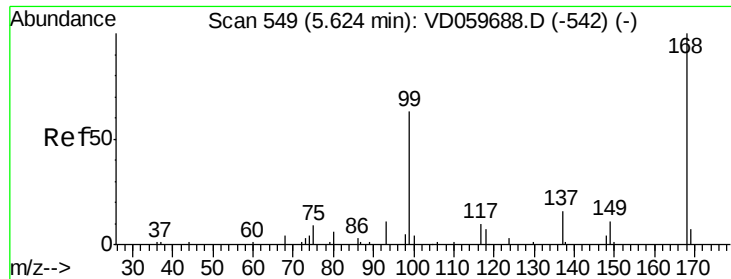
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080818\
Data File : VD059710.D
Acq On : 8 Aug 2018 13:49
Operator : VA/AP
Sample : VD0808SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :
VD0808SBSD01

Quant Time: Aug 08 14:21:48 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	64553	19.98	ug/l	98
94) Hexachlorobutadiene	14.44	225	47868	19.10	ug/l	95
95) Naphthalene	14.52	128	91660	19.15	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	53015	18.76	ug/l	95

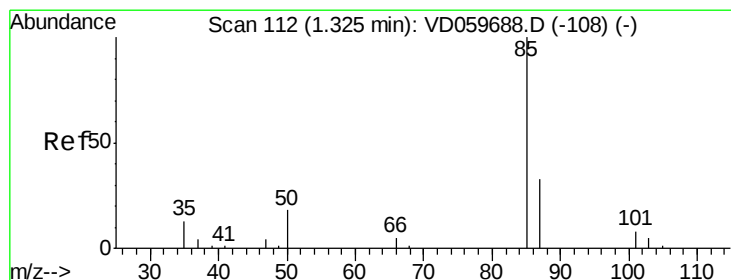
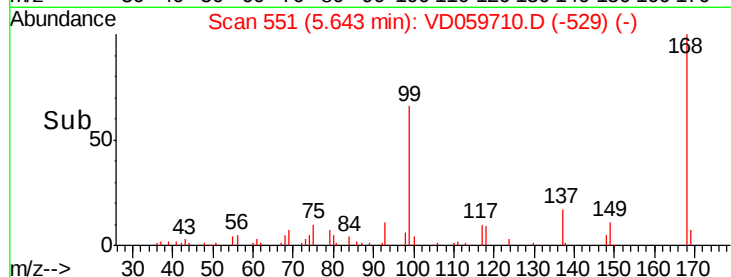
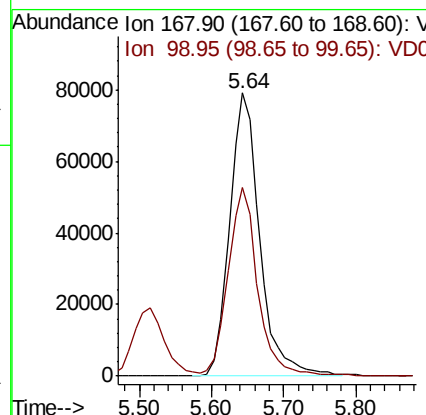
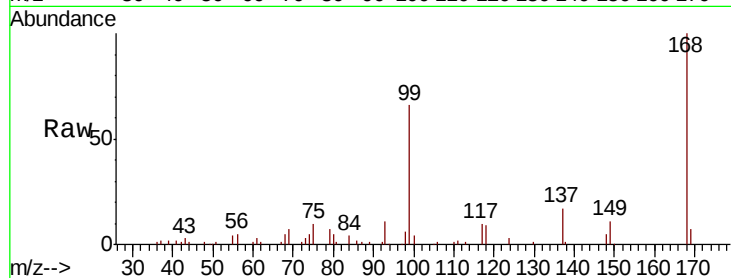
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.64 min Scan# 551
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

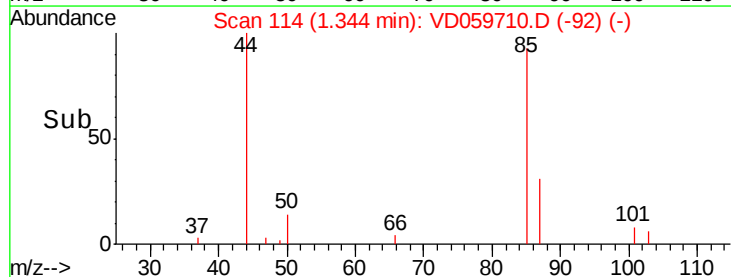
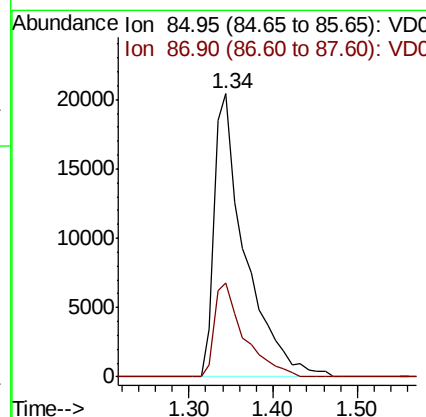
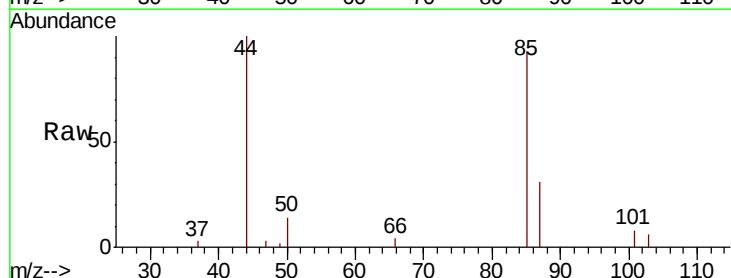
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

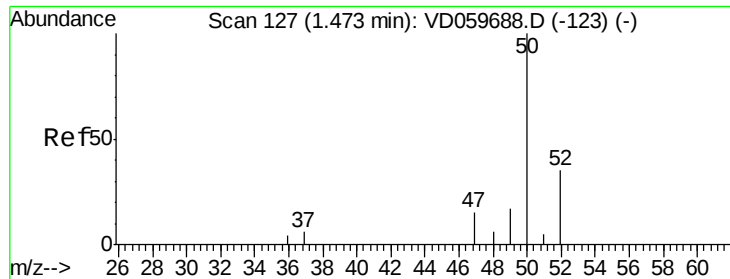
Tot Ion:168 Resp: 228643
Ion Ratio Lower Upper
168 100
99 66.5 53.4 80.2



#2
Dichlorodifluoromethane
Concen: 16.17 ug/l
RT: 1.34 min Scan# 114
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 85 Resp: 51880
Ion Ratio Lower Upper
85 100
87 33.0 16.4 49.1





#3

Chloromethane

Concen: 17.72 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

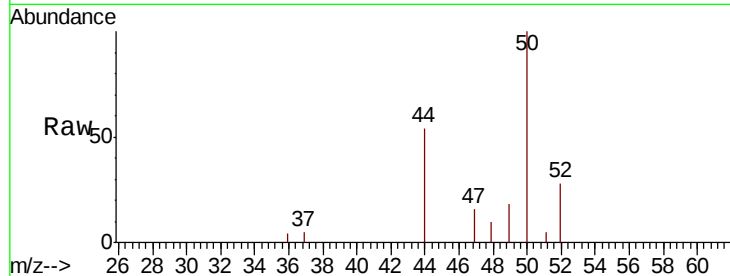
VD0808SBS01

Tot Ion: 50 Resp: 25339

Ion Ratio Lower Upper

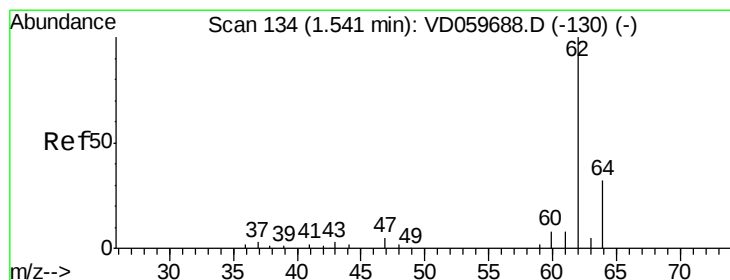
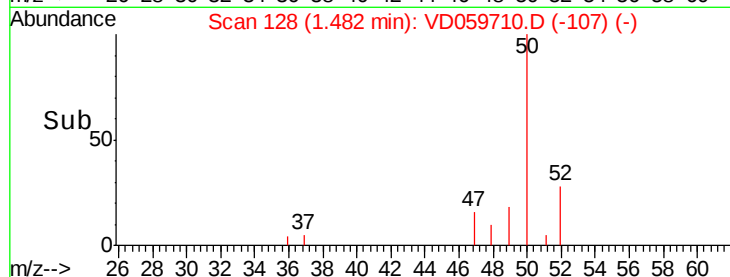
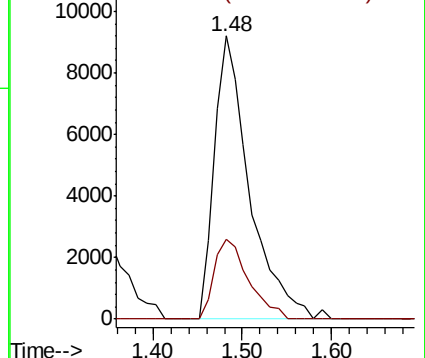
50 100

52 28.0 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: 18.18 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.01 min

Lab File: VD059710.D

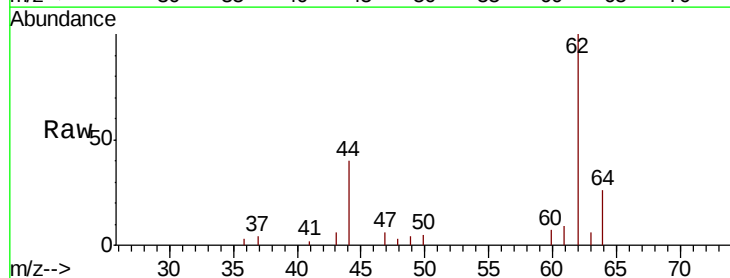
Acq: 8 Aug 2018 13:49

Tgt Ion: 62 Resp: 30364

Ion Ratio Lower Upper

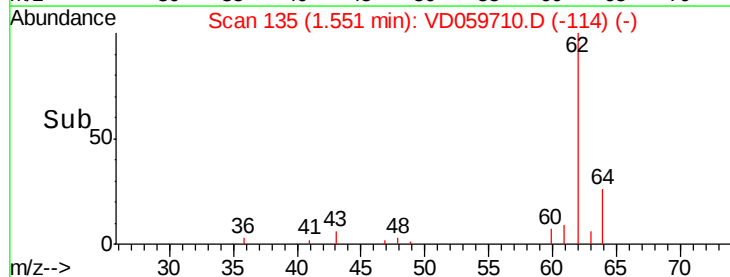
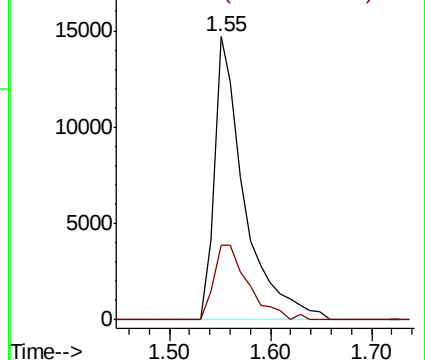
62 100

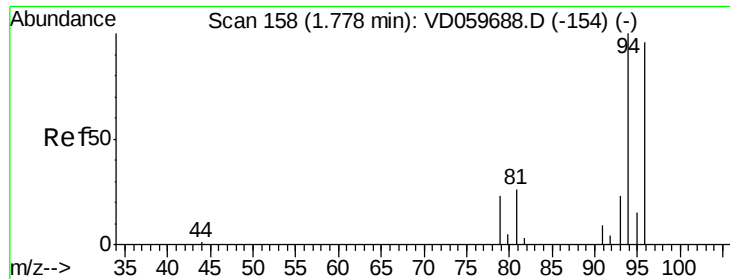
64 26.3 25.4 38.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.57 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

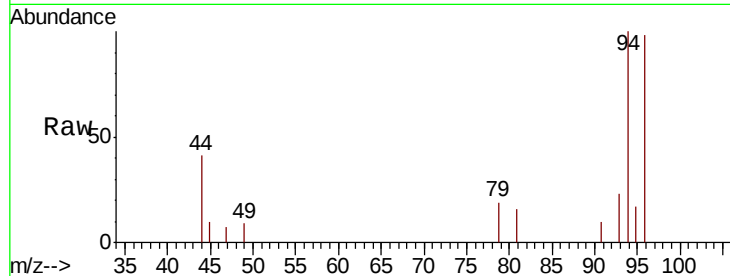
VD0808SBSD01

Tot Ion: 94 Resp: 9652

Ion Ratio Lower Upper

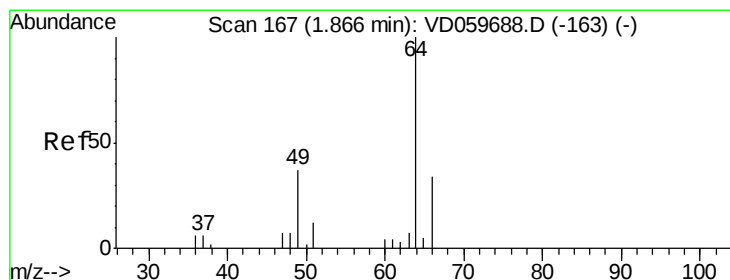
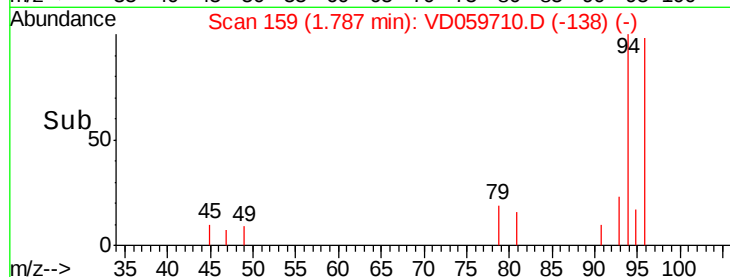
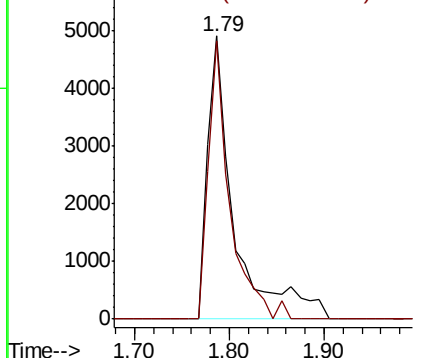
94 100

96 98.2 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: 15.70 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD059710.D

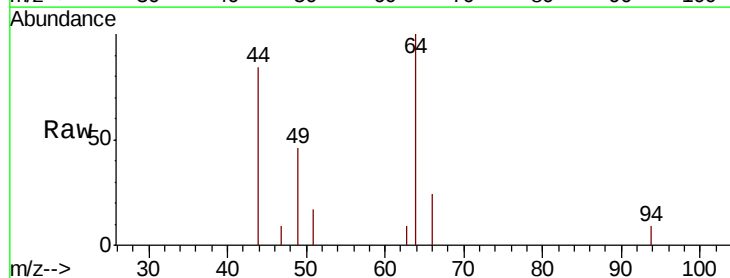
Acq: 8 Aug 2018 13:49

Tgt Ion: 64 Resp: 10656

Ion Ratio Lower Upper

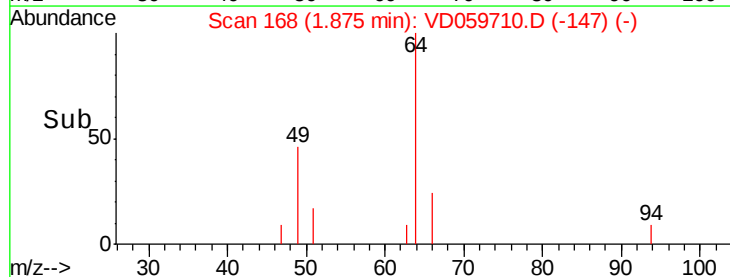
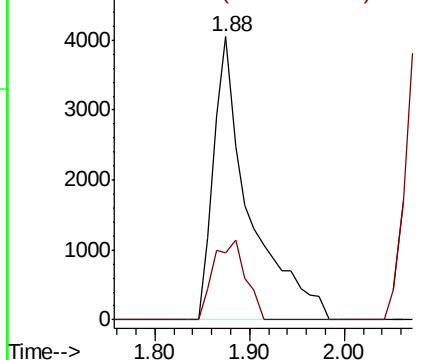
64 100

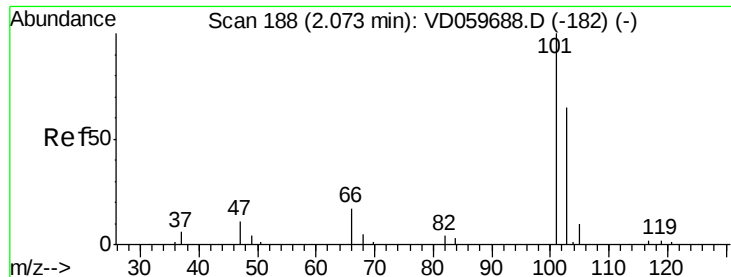
66 23.7 27.2 40.8#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



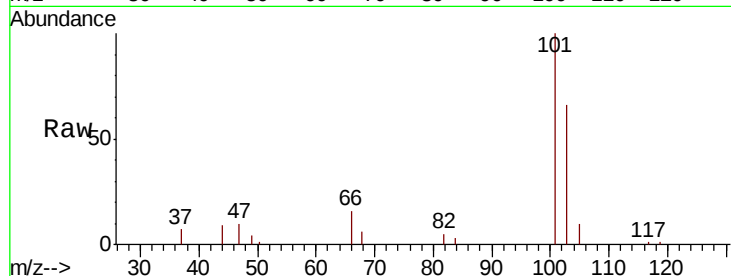


#7

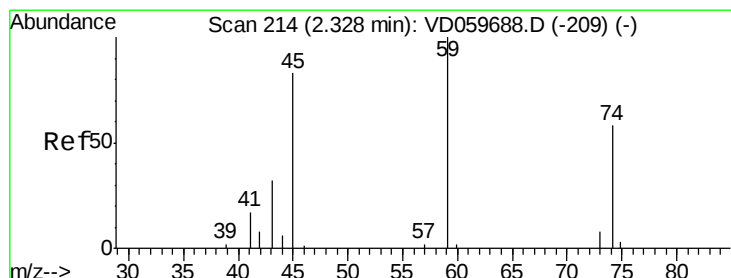
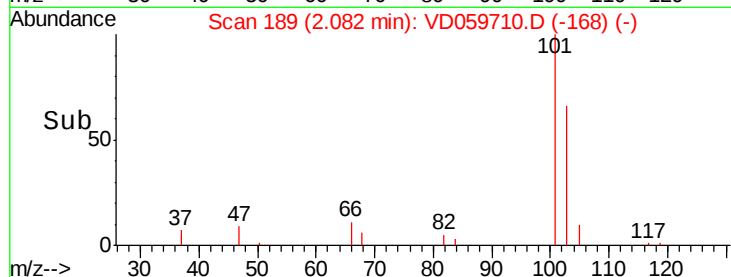
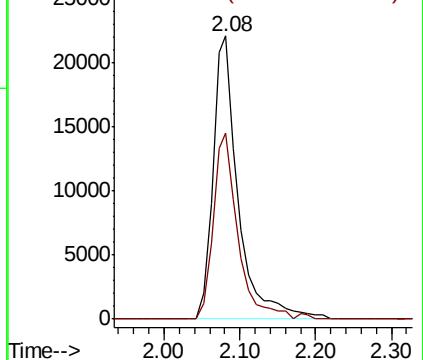
Trichlorofluoromethane
 Concen: 18.86 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

Tot Ion:101 Resp: 51318
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.7 77.5



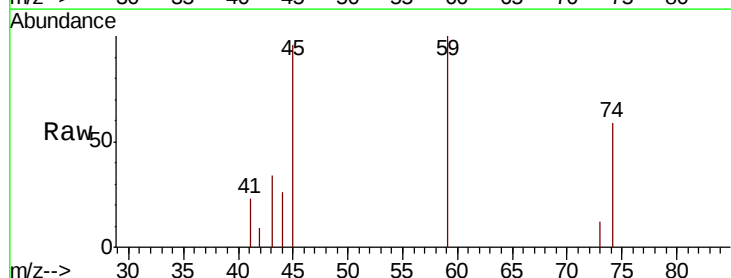
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



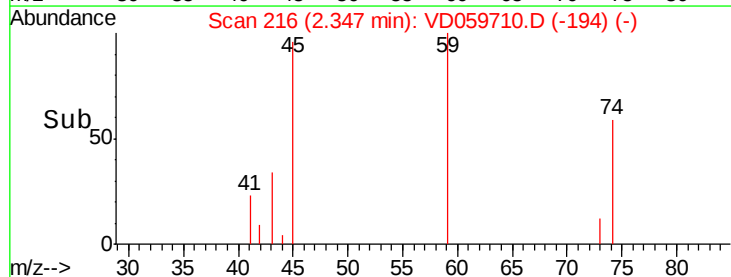
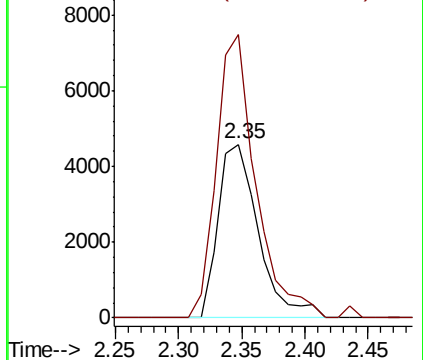
#8

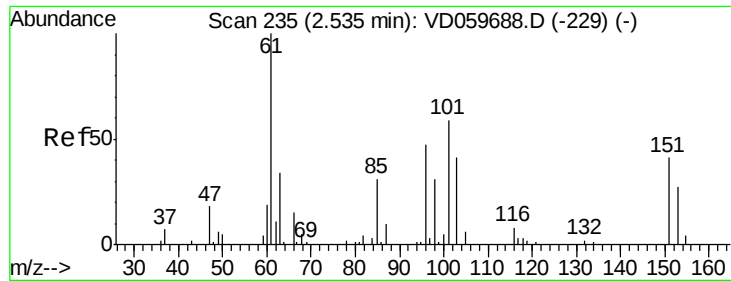
Diethyl Ether
 Concen: 20.35 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.02 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Tgt Ion: 74 Resp: 10144
 Ion Ratio Lower Upper
 74 100
 45 162.8 71.4 214.2



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.73 ug/l

RT: 2.55 min Scan# 237

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

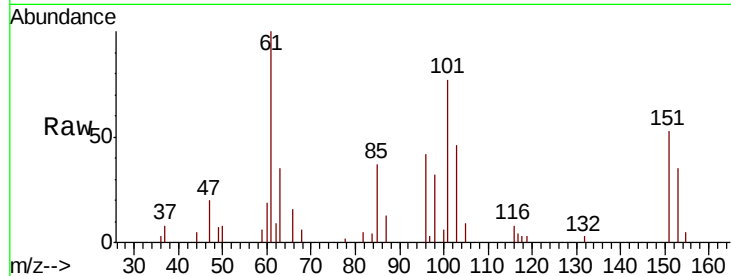
Tot Ion:101 Resp: 31871

Ion Ratio Lower Upper

101 100

85 47.3 42.2 63.4

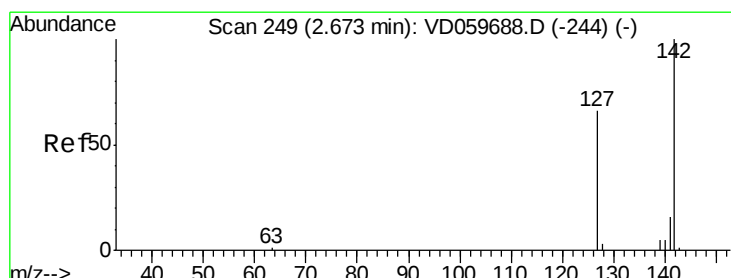
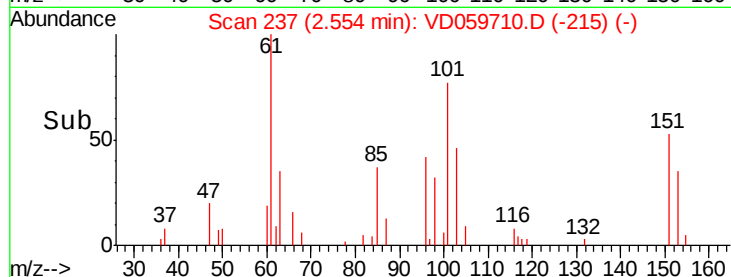
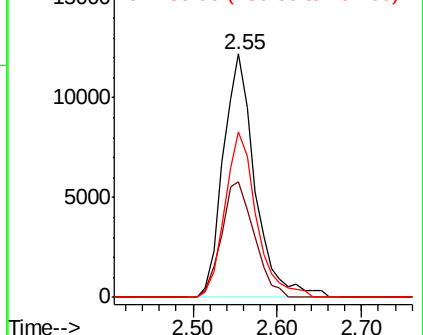
151 68.1 55.2 82.8



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: 20.05 ug/l

RT: 2.69 min Scan# 251

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

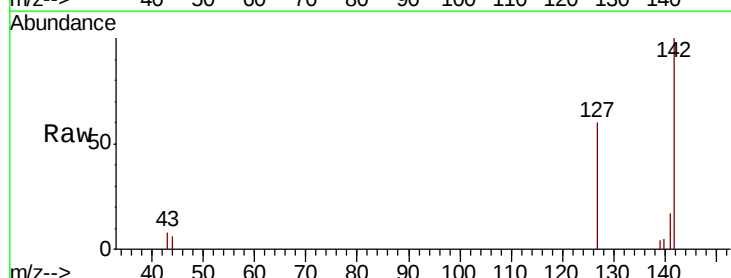
Tgt Ion:142 Resp: 35429

Ion Ratio Lower Upper

142 100

127 59.8 52.6 79.0

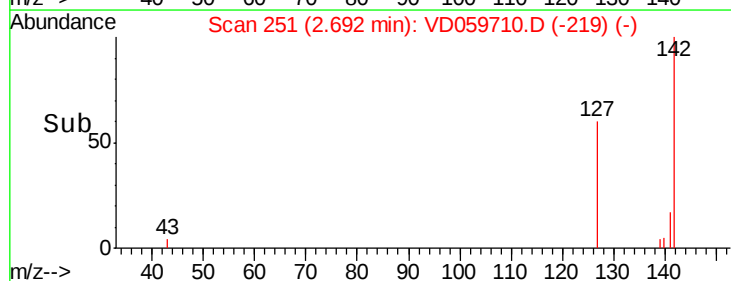
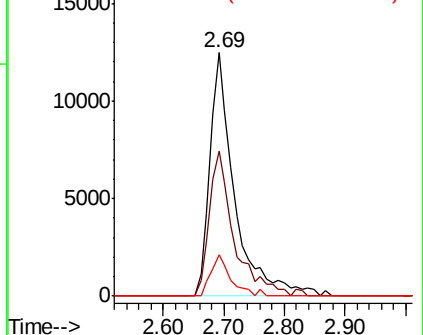
141 16.8 12.5 18.7

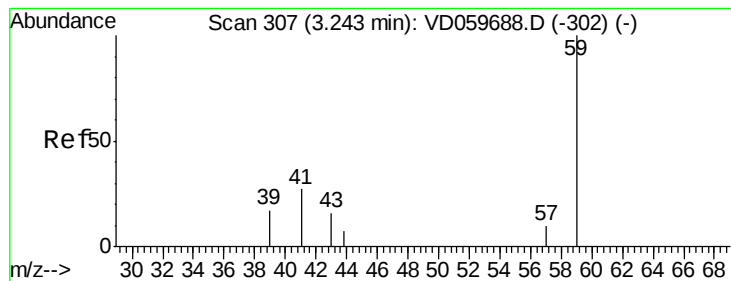


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



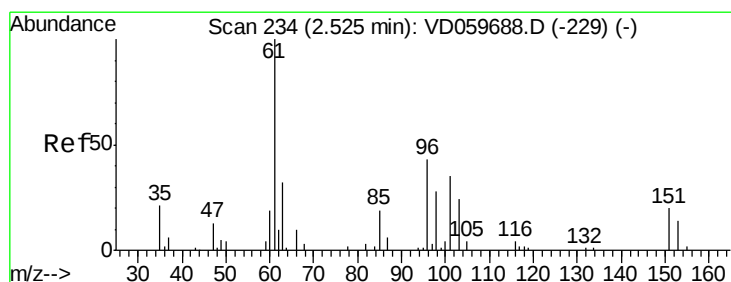
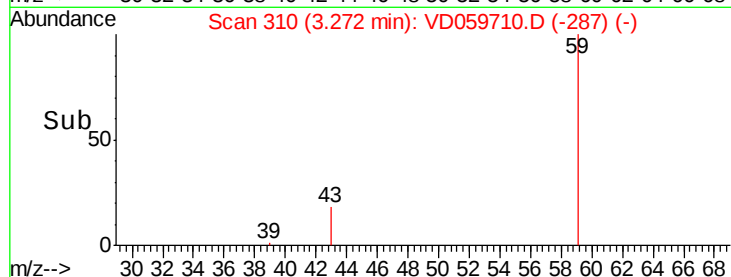
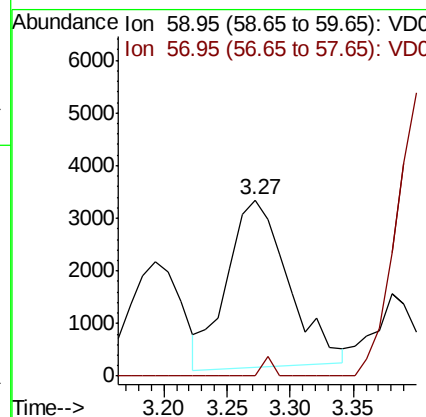
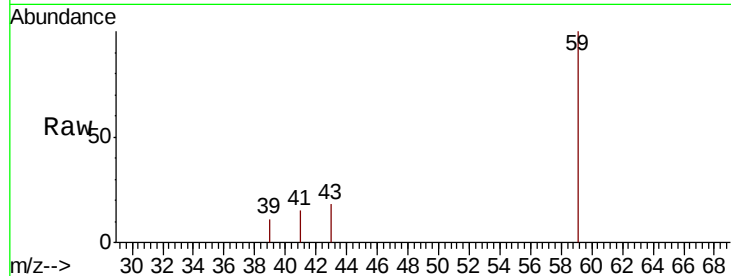


#11

Tert butyl alcohol
Concen: 100.04 ug/l
RT: 3.27 min Scan# 310
Delta R.T. 0.03 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

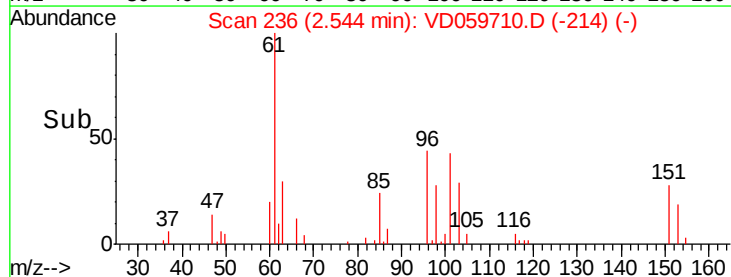
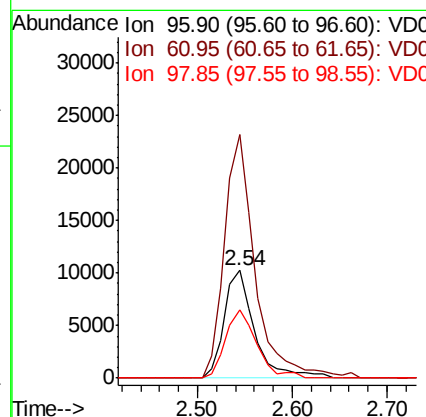
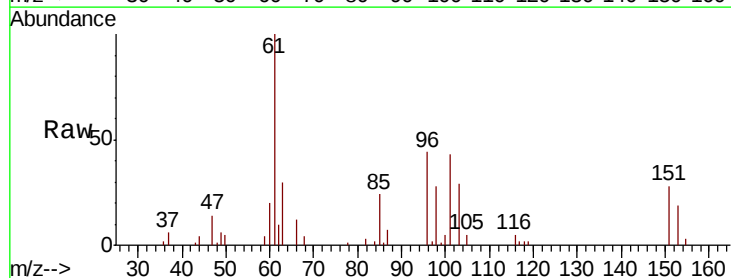
Tot Ion: 59 Resp: 10706
Ion Ratio Lower Upper
59 100
57 0.0 6.8 10.2#

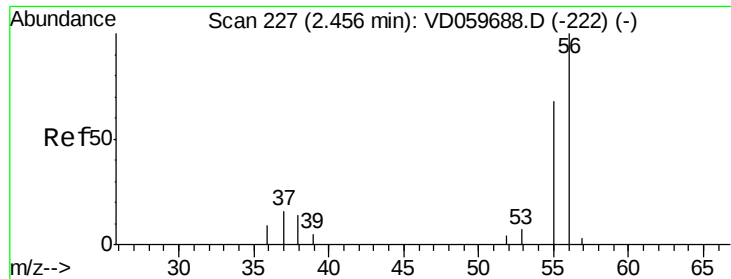


#12

1,1-Dichloroethene
Concen: 20.22 ug/l
RT: 2.54 min Scan# 236
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 96 Resp: 22707
Ion Ratio Lower Upper
96 100
61 226.4 184.1 276.1
98 63.0 52.4 78.6





#13

Acrolein

Concen: 87.75 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

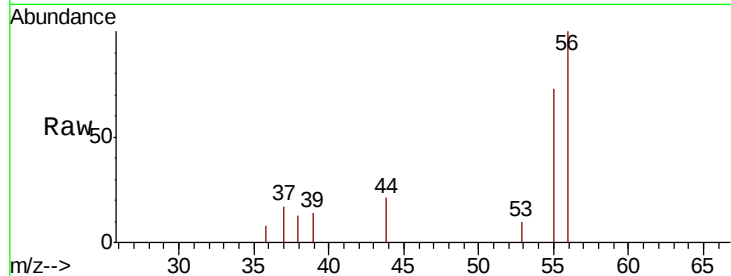
VD0808SBS01

Tot Ion: 56 Resp: 8821

Ion Ratio Lower Upper

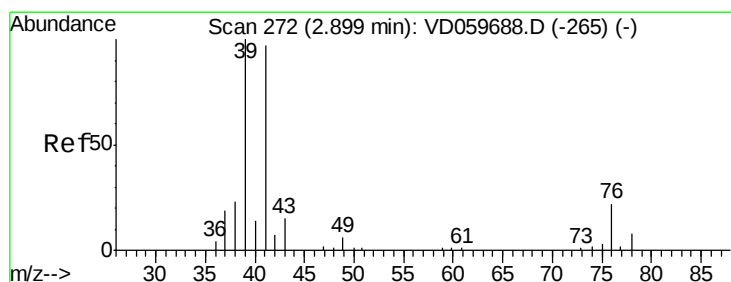
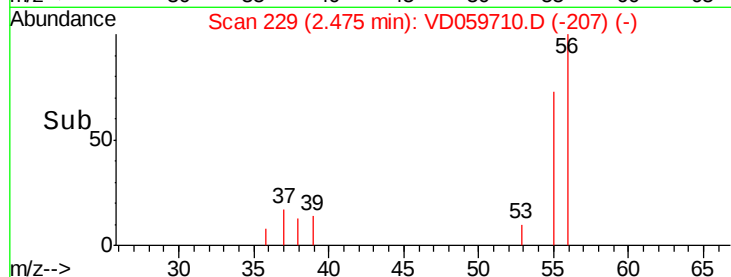
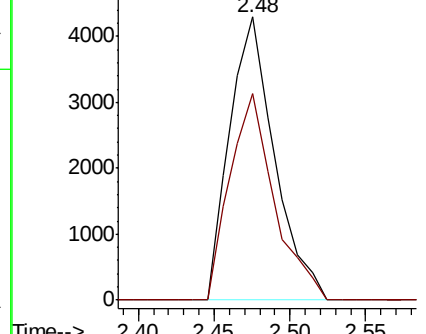
56 100

55 73.1 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: 20.94 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

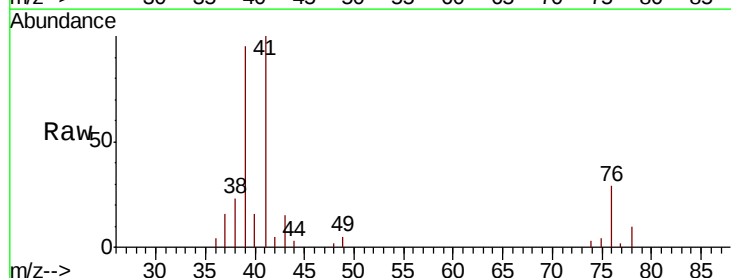
Tgt Ion: 41 Resp: 53808

Ion Ratio Lower Upper

41 100

39 94.9 82.5 123.7

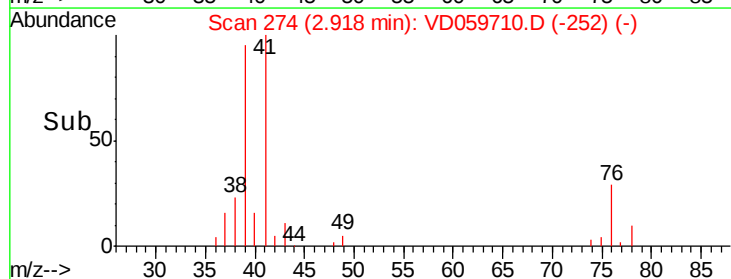
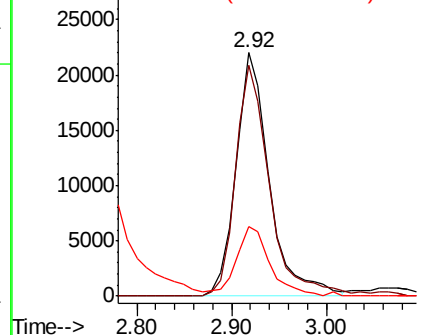
76 28.6 22.1 33.1

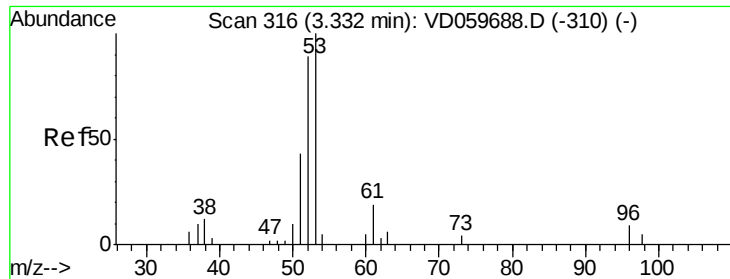


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 102.62 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.03 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

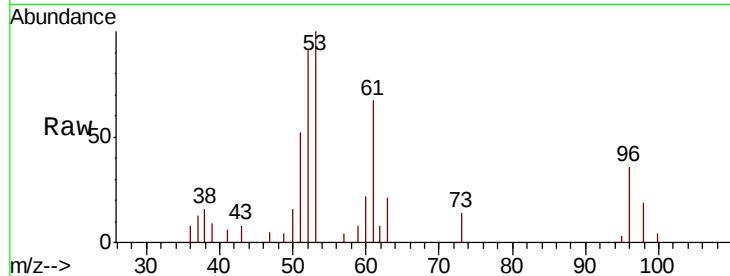
Tot Ion: 53 Resp: 30463

Ion Ratio Lower Upper

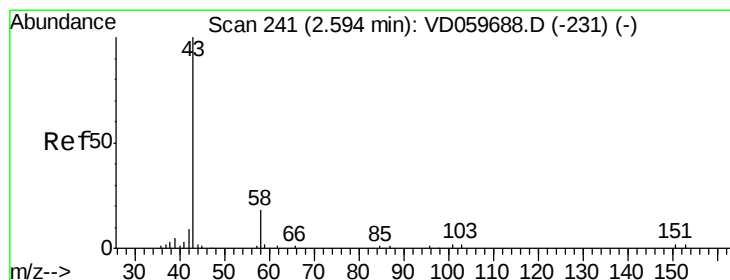
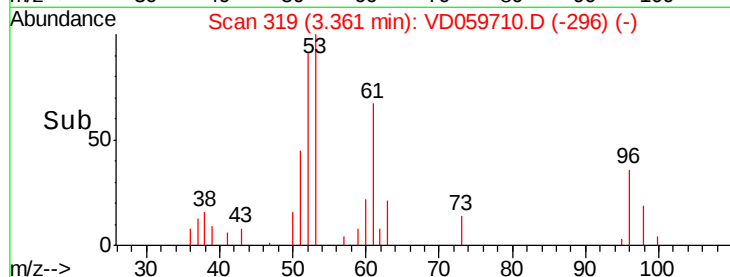
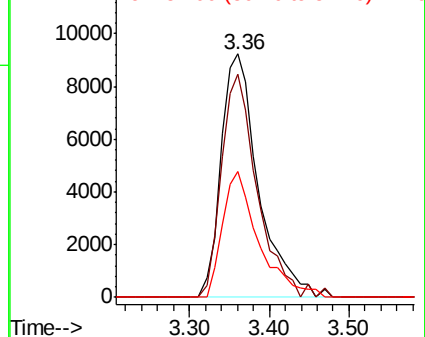
53 100

52 91.4 71.4 107.0

51 51.8 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: 90.64 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD059710.D

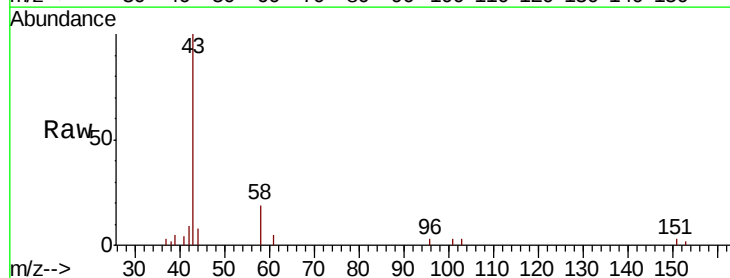
Acq: 8 Aug 2018 13:49

Tgt Ion: 43 Resp: 50080

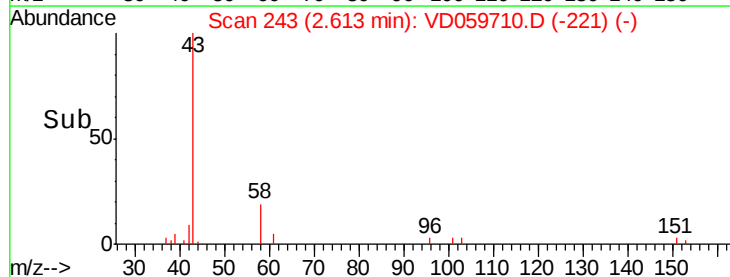
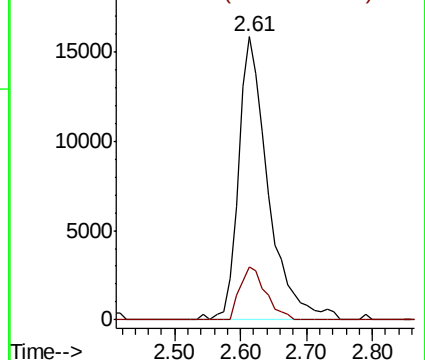
Ion Ratio Lower Upper

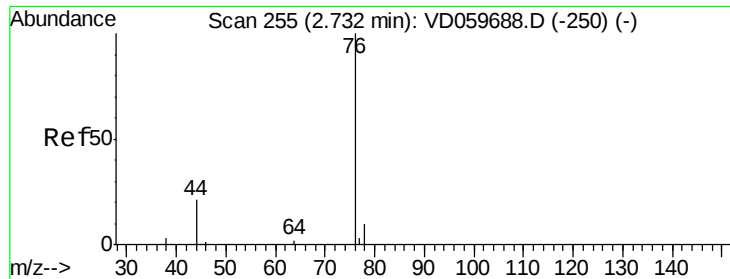
43 100

58 18.7 14.2 21.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

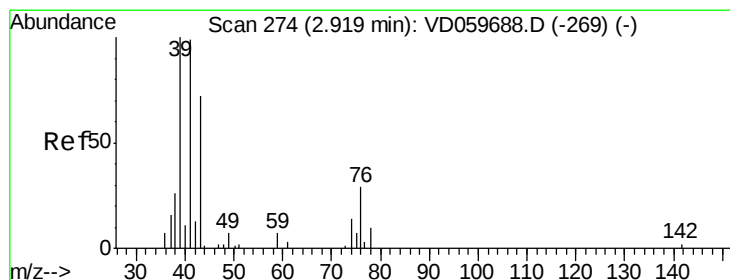
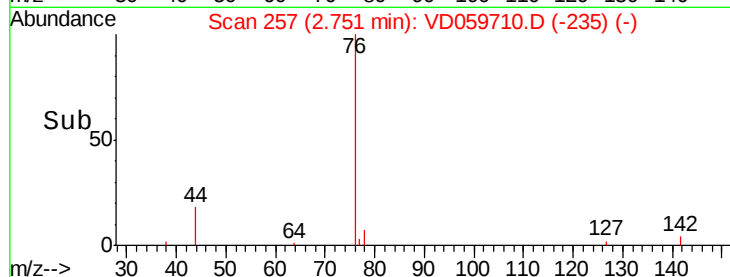
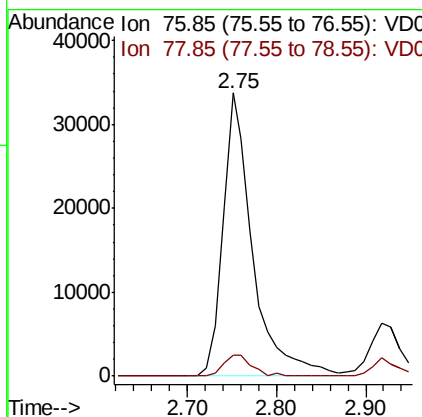
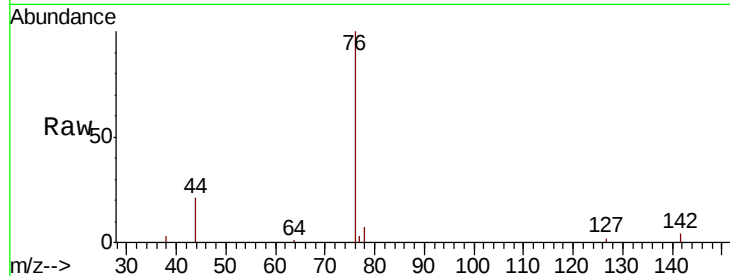




#17
Carbon Disulfide
Concen: 19.35 ug/l
RT: 2.75 min Scan# 257
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

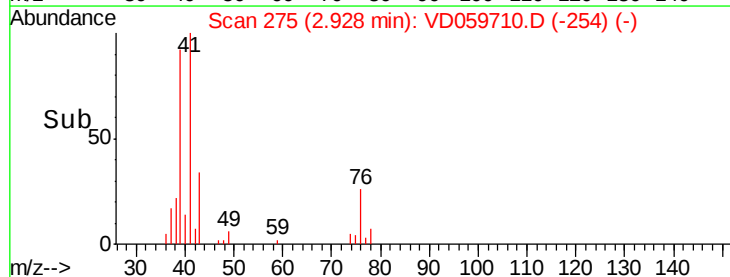
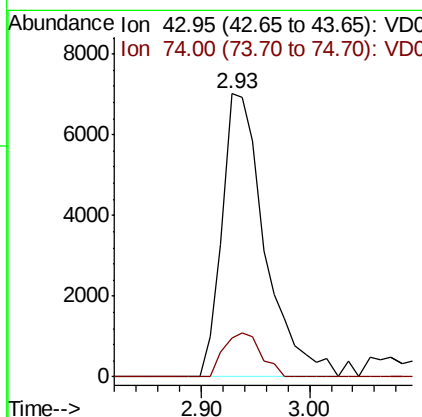
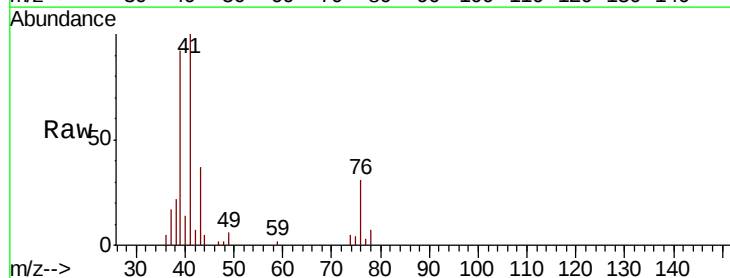
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

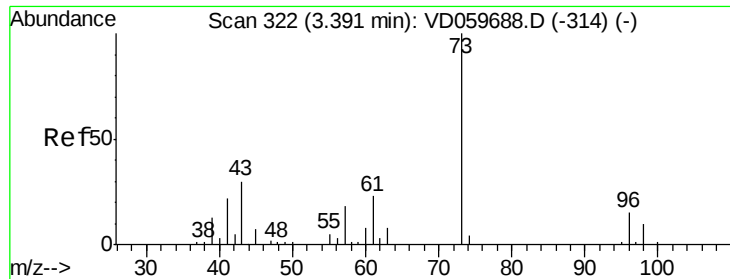
Tot Ion: 76 Resp: 78494
Ion Ratio Lower Upper
76 100
78 7.2 7.7 11.5#



#18
Methyl Acetate
Concen: 18.98 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 43 Resp: 19373
Ion Ratio Lower Upper
43 100
74 13.9 15.7 23.5#

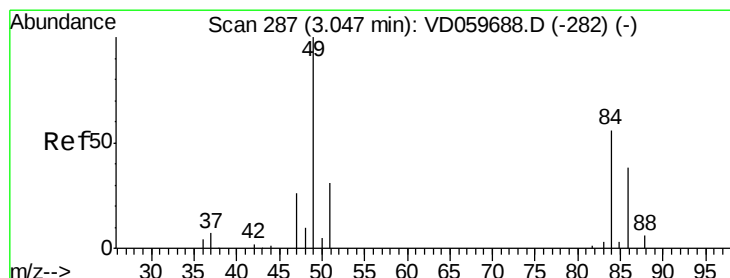
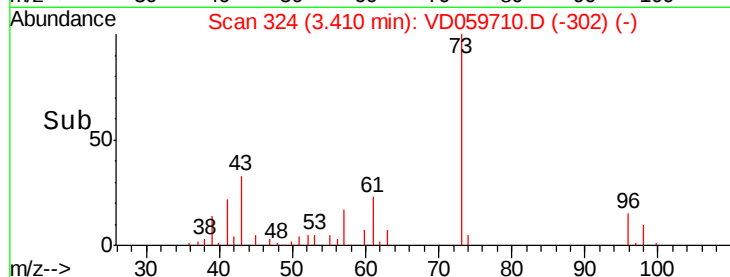
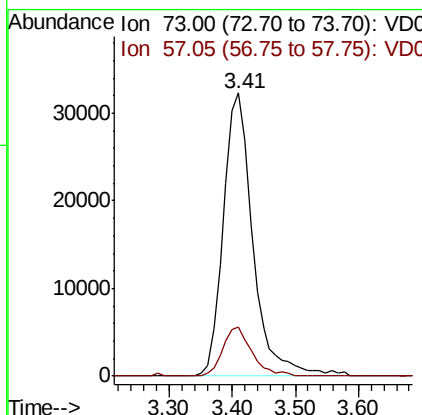
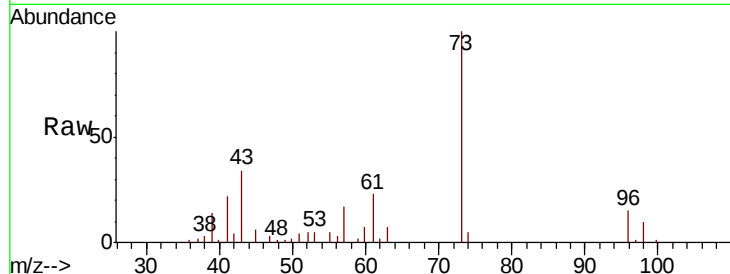




#19
Methvl tert-butvl Ether
Concen: 24.52 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

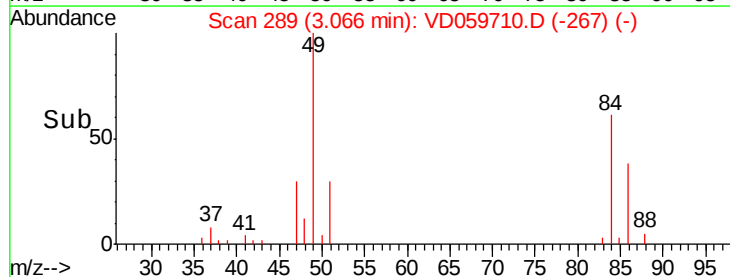
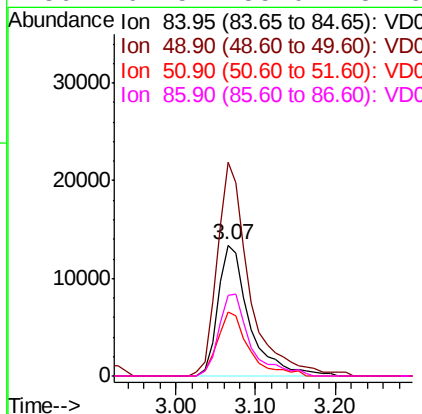
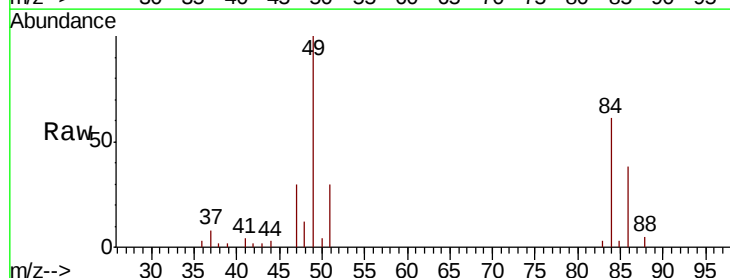
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

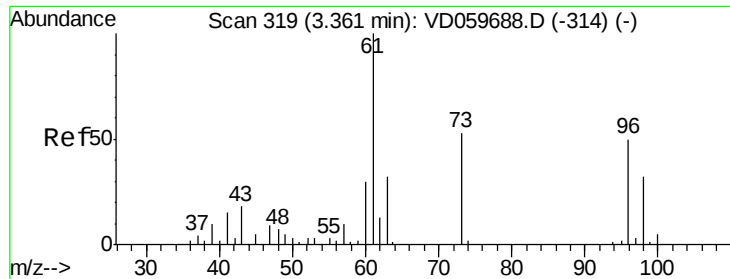
Tot Ion: 73 Resp: 105086
Ion Ratio Lower Upper
73 100
57 17.3 14.3 21.5



#20
Methylene Chloride
Concen: 18.10 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 84 Resp: 37296
Ion Ratio Lower Upper
84 100
49 162.9 143.4 215.2
51 48.8 44.2 66.4
86 61.5 55.0 82.6





#21

trans-1,2-Dichloroethene

Concen: 23.42 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

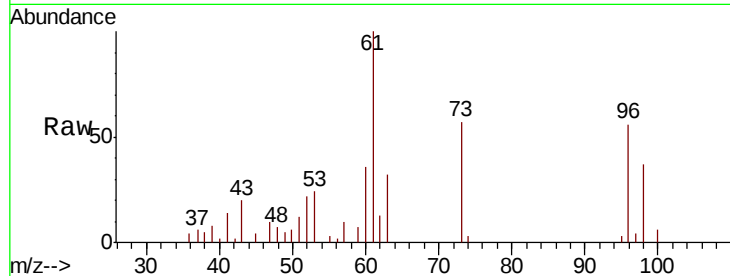
Tot Ion: 96 Resp: 34422

Ion Ratio Lower Upper

96 100

61 179.3 160.6 241.0

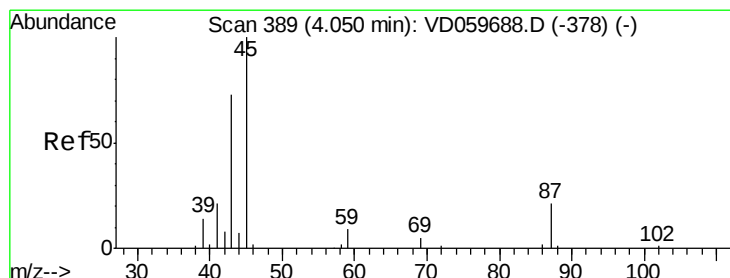
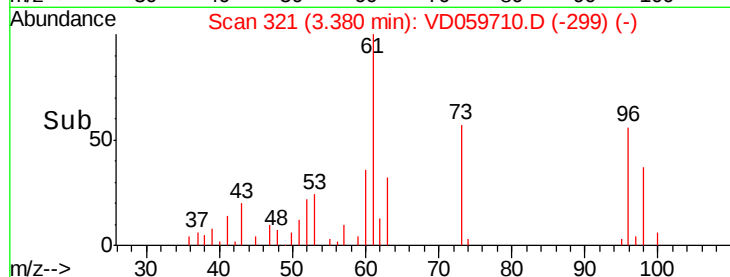
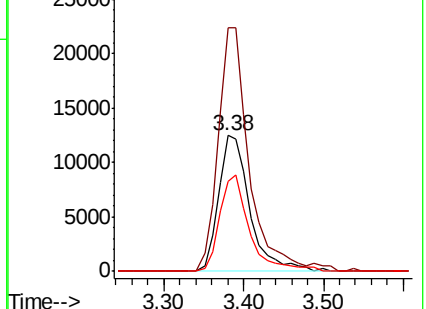
98 65.9 50.9 76.3



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: 20.57 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Tgt Ion: 45 Resp: 124317

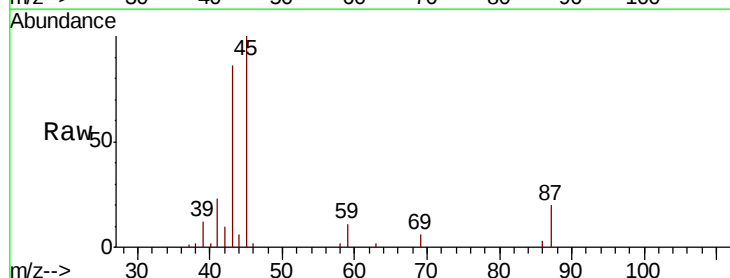
Ion Ratio Lower Upper

45 100

43 86.0 60.3 90.5

87 19.7 17.0 25.6

59 11.5 7.9 11.9

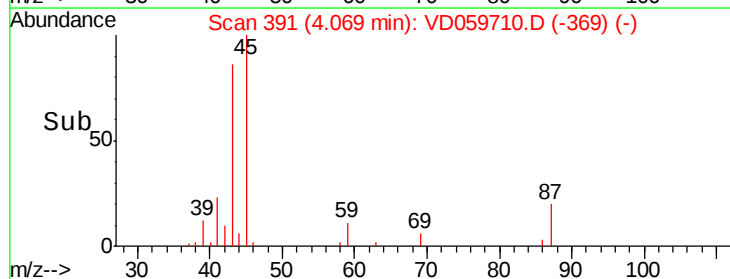
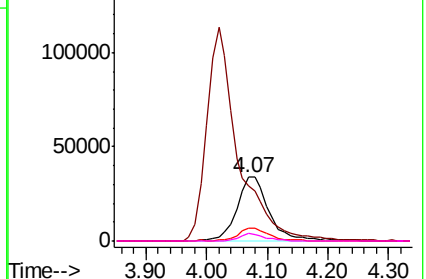


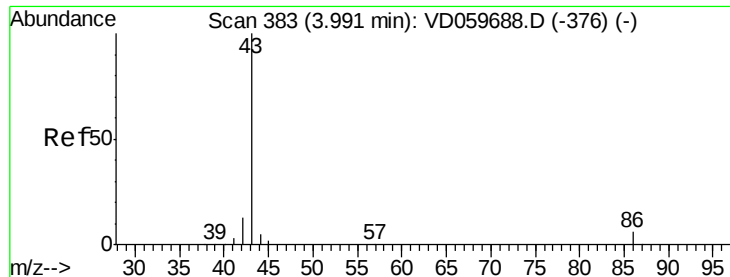
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 104.85 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.03 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

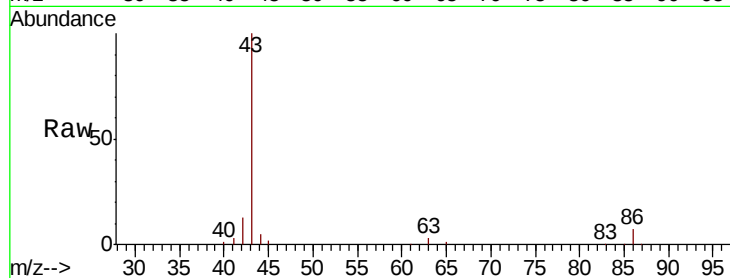
VD0808SBSD01

Tot Ion: 43 Resp: 401825

Ion Ratio Lower Upper

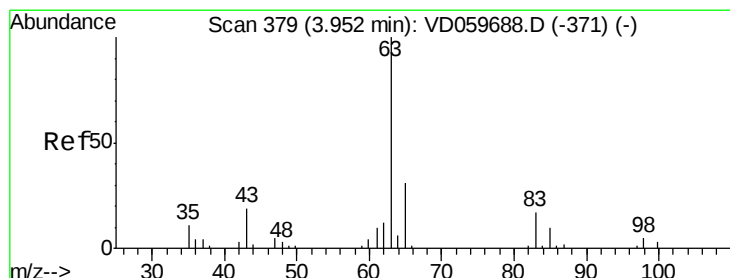
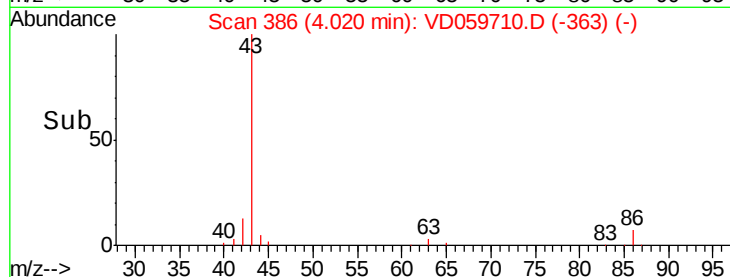
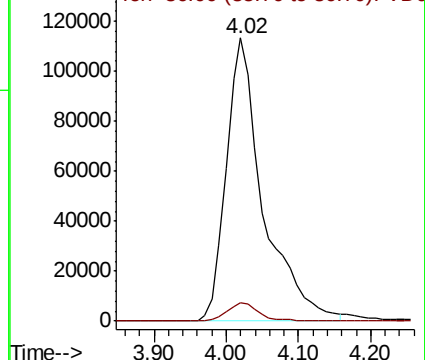
43 100

86 6.7 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.31 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

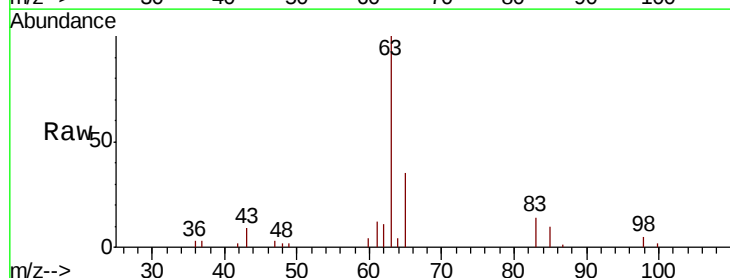
Tgt Ion: 63 Resp: 77270

Ion Ratio Lower Upper

63 100

98 4.9 2.4 7.1

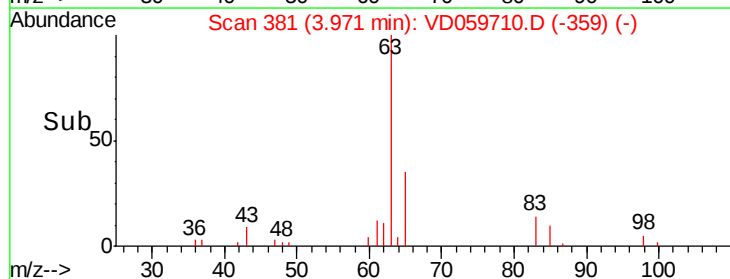
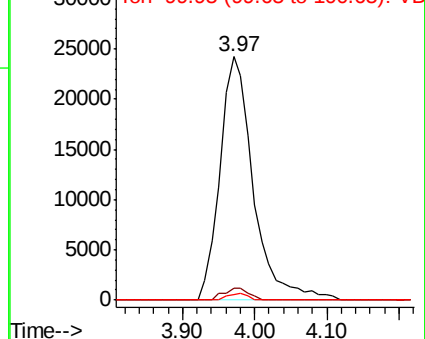
100 2.3 1.6 4.8

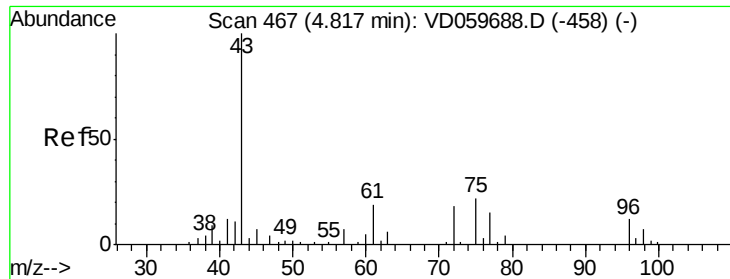


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 87.83 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.03 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

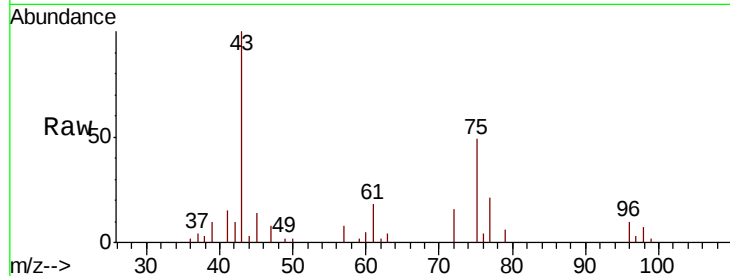
VD0808SBSD01

Tot Ion: 43 Resp: 63739

Ion Ratio Lower Upper

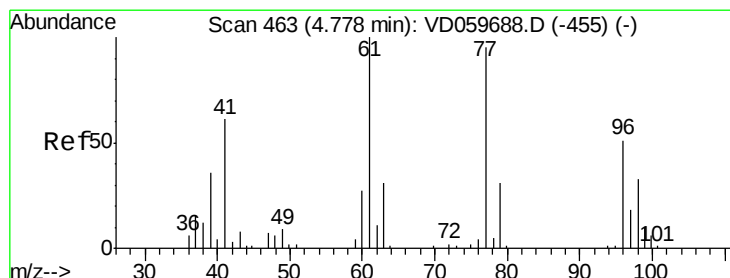
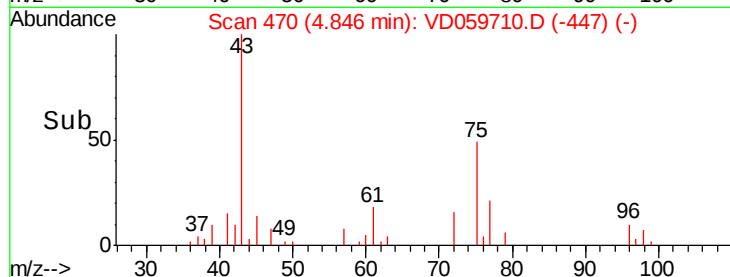
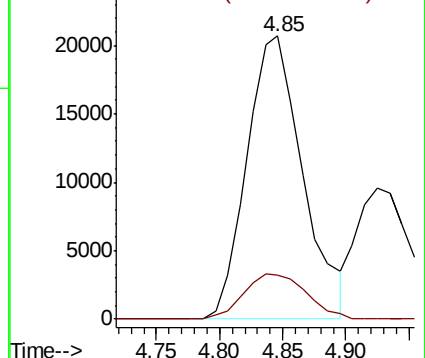
43 100

72 15.8 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: 20.07 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.02 min

Lab File: VD059710.D

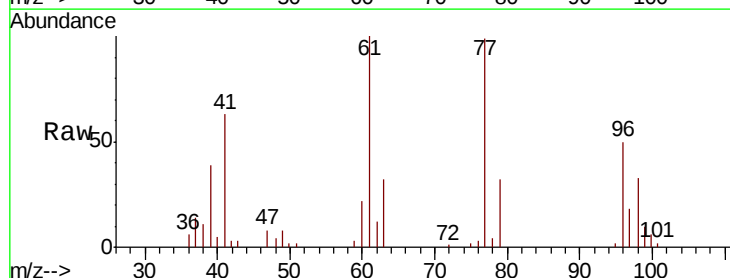
Acq: 8 Aug 2018 13:49

Tgt Ion: 77 Resp: 85745

Ion Ratio Lower Upper

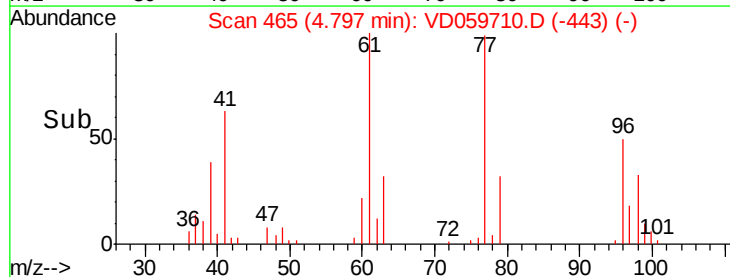
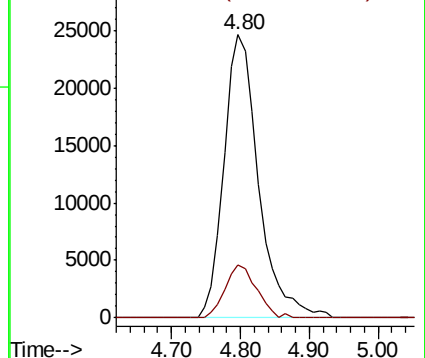
77 100

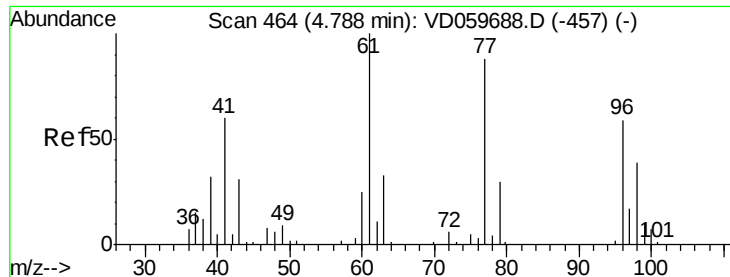
97 18.5 9.4 28.3



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: 19.14 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

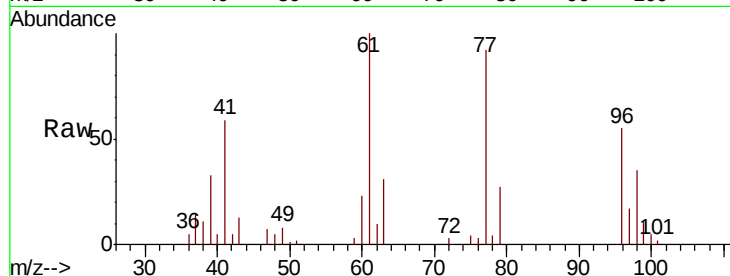
Tot Ion: 96 Resp: 40851

Ion Ratio Lower Upper

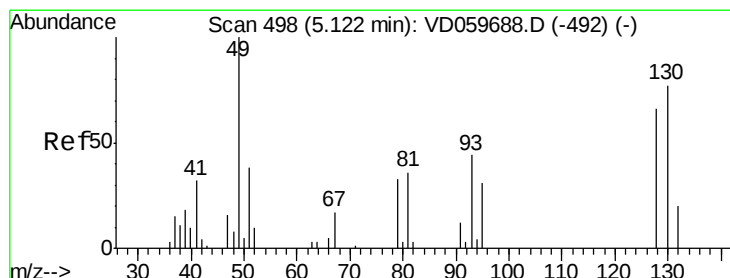
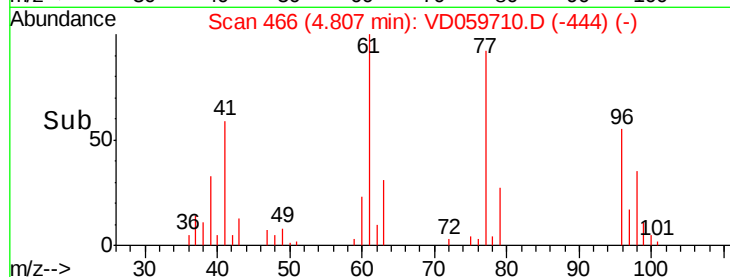
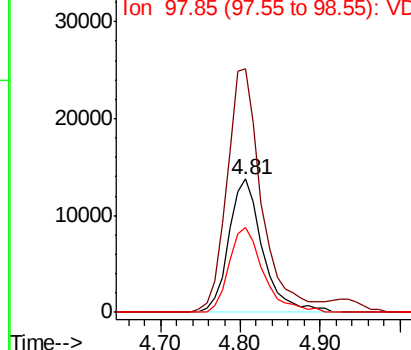
96 100

61 182.6 0.0 341.6

98 63.8 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: 19.96 ug/l

RT: 5.15 min Scan# 501

Delta R.T. 0.03 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

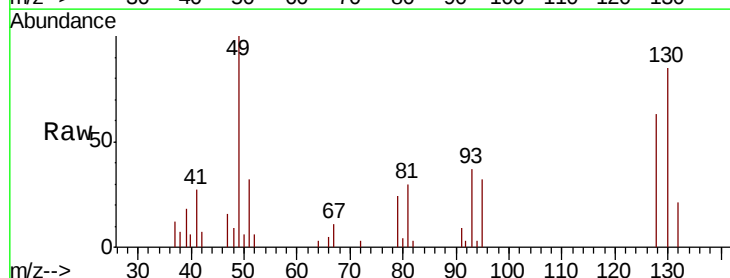
Tgt Ion: 49 Resp: 29485

Ion Ratio Lower Upper

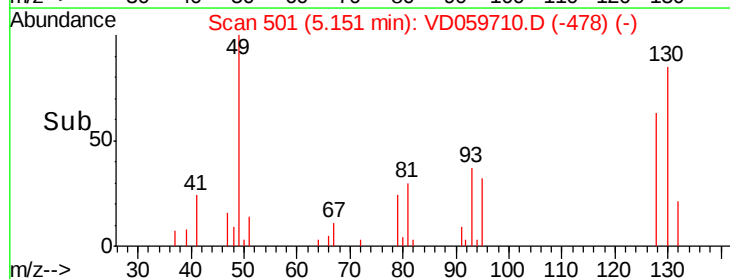
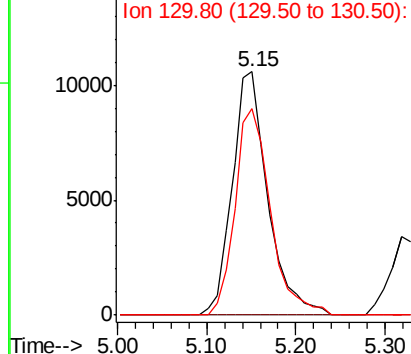
49 100

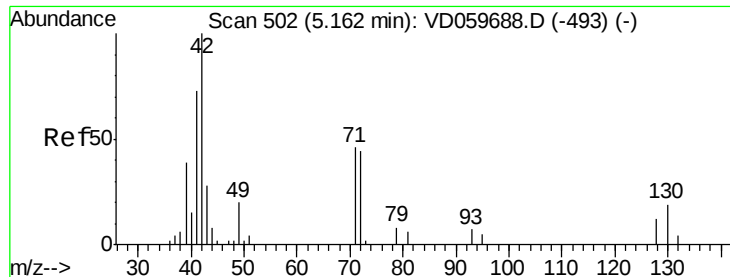
129 0.0 0.0 0.0

130 84.7 61.2 91.8



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





#29

Tetrahydrofuran

Concen: 101.24 ug/l

RT: 5.18 min Scan# 504

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

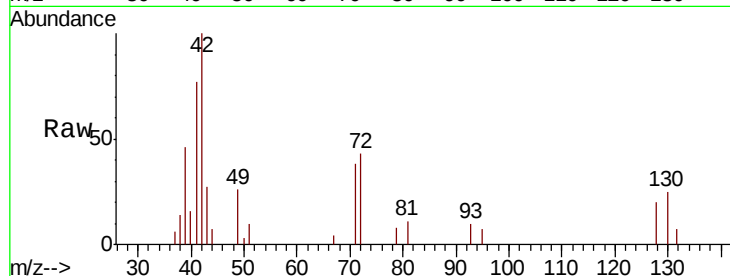
Tot Ion: 42 Resp: 28451

Ion Ratio Lower Upper

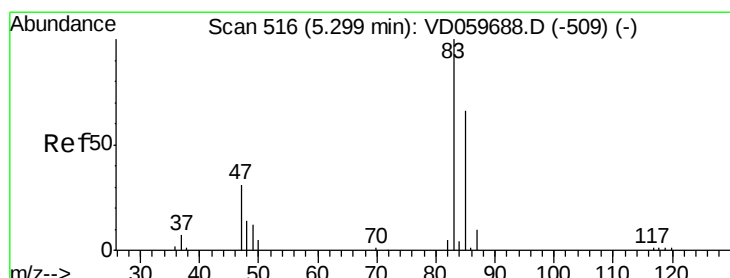
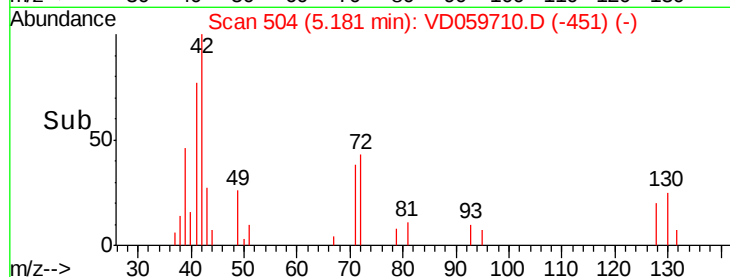
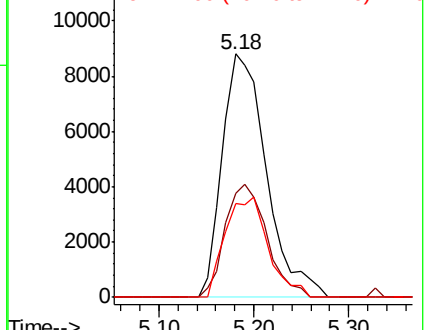
42 100

72 43.8 36.7 55.1

71 39.8 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: 18.73 ug/l

RT: 5.33 min Scan# 519

Delta R.T. 0.03 min

Lab File: VD059710.D

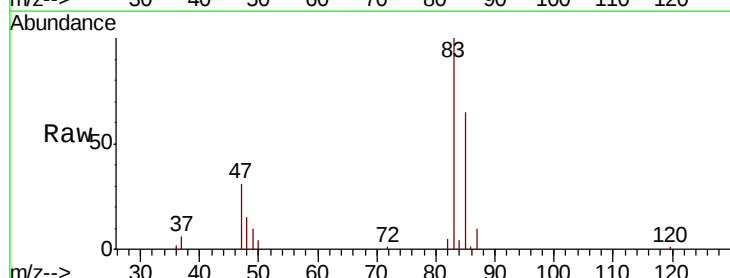
Acq: 8 Aug 2018 13:49

Tgt Ion: 83 Resp: 91362

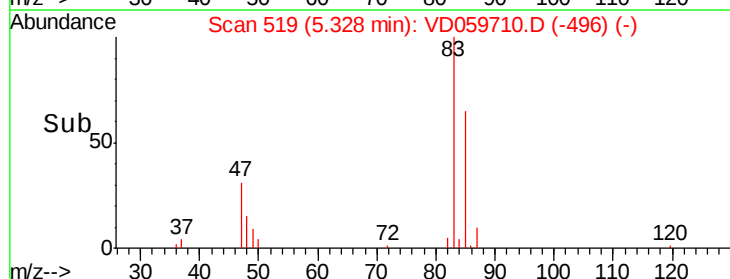
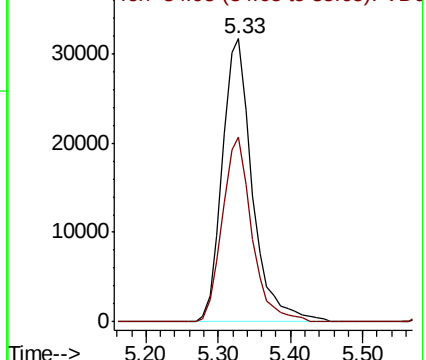
Ion Ratio Lower Upper

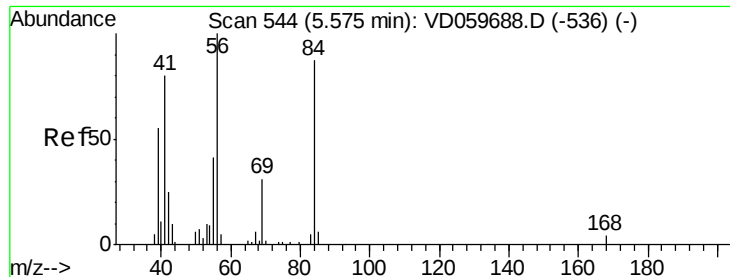
83 100

85 65.1 52.6 79.0



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

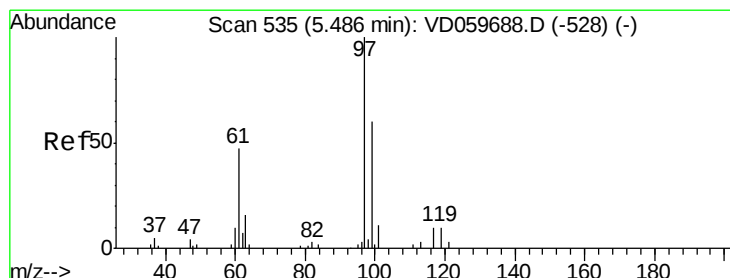
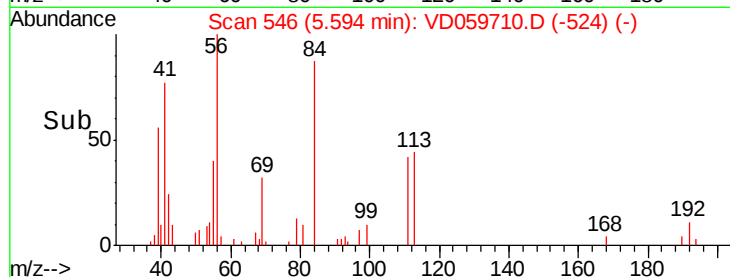
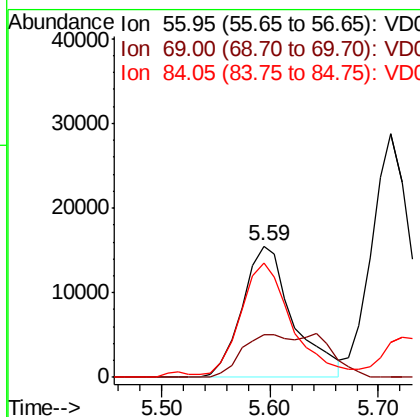
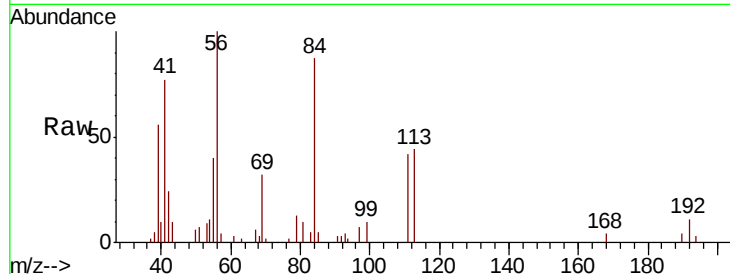




#31
Cyclohexane
Concen: 17.32 ug/l
RT: 5.59 min Scan# 546
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

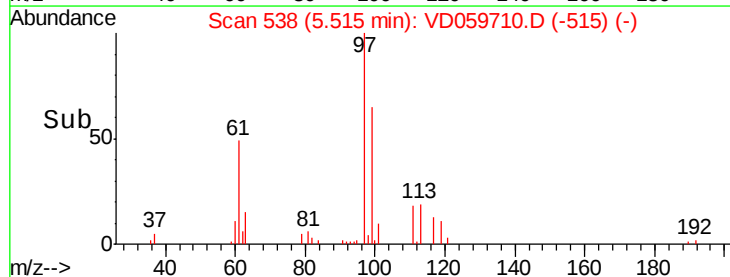
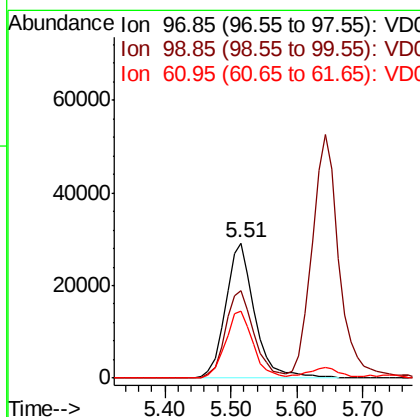
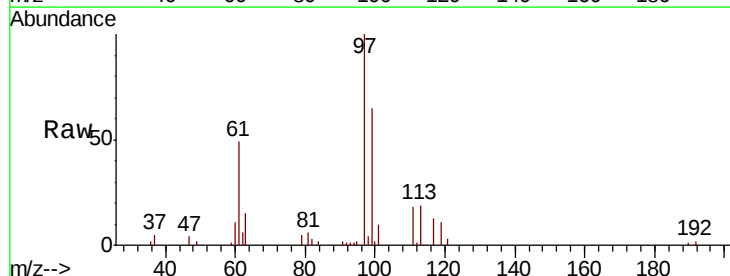
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

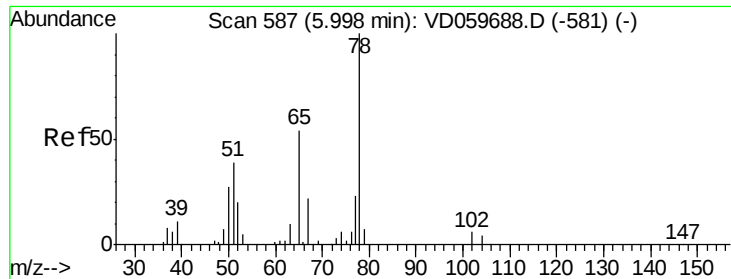
Tot Ion: 56 Resp: 50831
Ion Ratio Lower Upper
56 100
69 32.2 24.7 37.1
84 87.5 72.2 108.2



#32
1,1,1-Trichloroethane
Concen: 18.86 ug/l
RT: 5.51 min Scan# 538
Delta R.T. 0.03 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 97 Resp: 89479
Ion Ratio Lower Upper
97 100
99 65.2 48.2 72.2
61 49.4 37.5 56.3

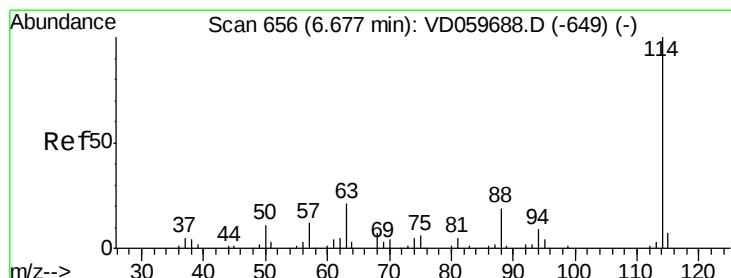
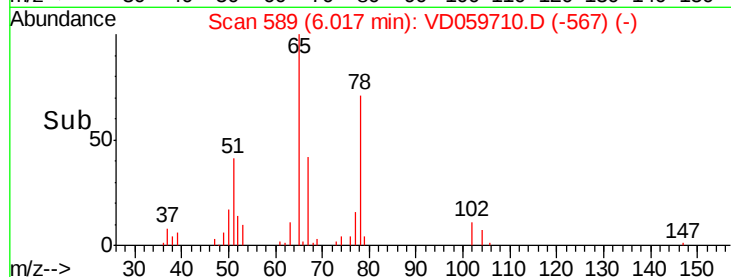
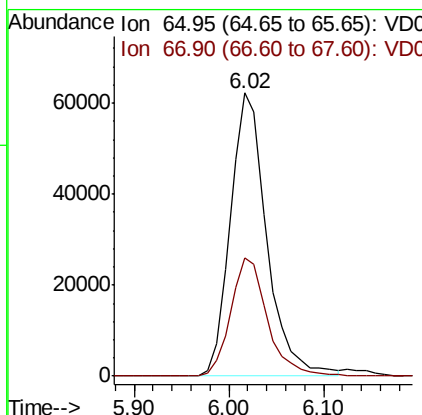
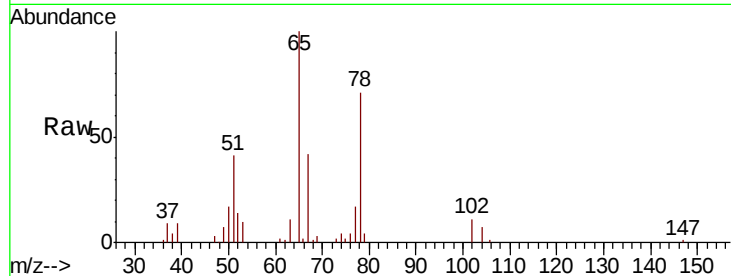




#33
 1,2-Dichloroethane-d4
 Concen: 18.86 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.02 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

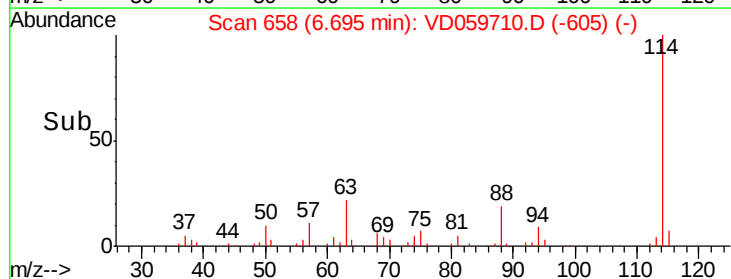
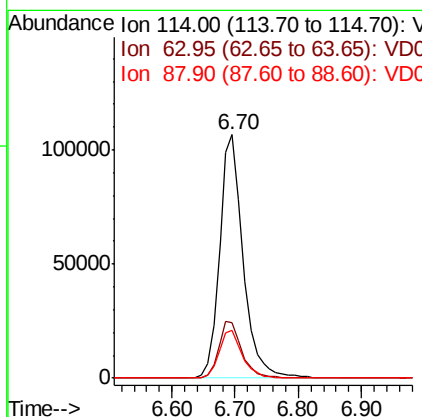
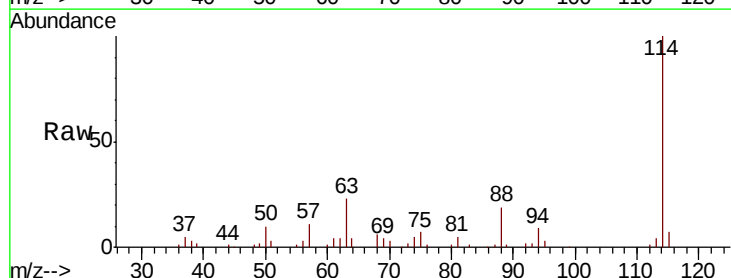
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

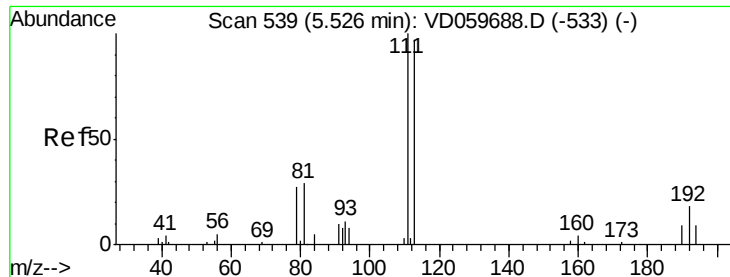
Tot Ion: 65 Resp: 164804
 Ion Ratio Lower Upper
 65 100
 67 41.7 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.02 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Tgt Ion: 114 Resp: 276164
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 42.6
 88 19.4 0.0 38.8

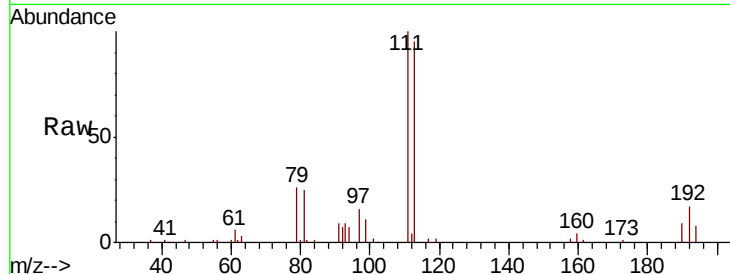




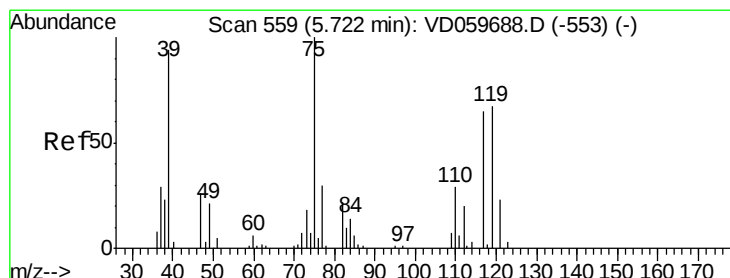
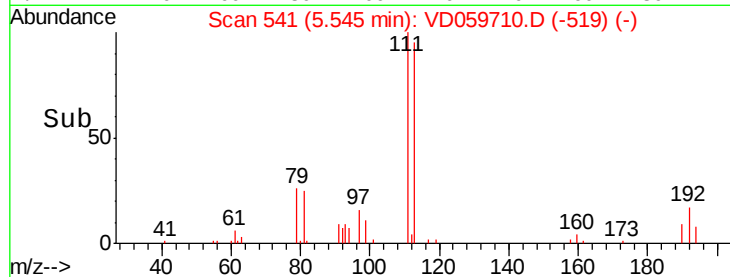
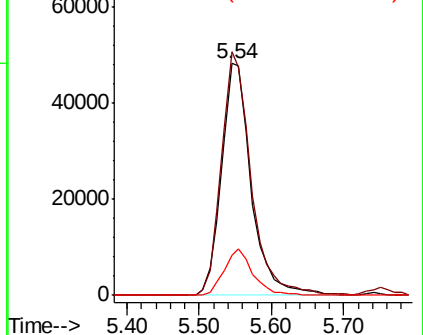
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 541
 Delta R.T. 0.02 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

Tot Ion:113 Resp: 137622
 Ion Ratio Lower Upper
 113 100
 111 105.0 82.8 124.2
 192 17.5 14.6 22.0

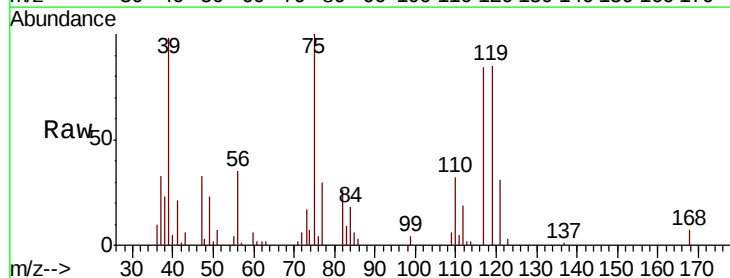


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

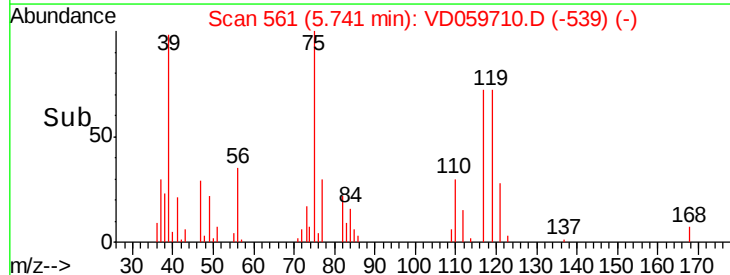
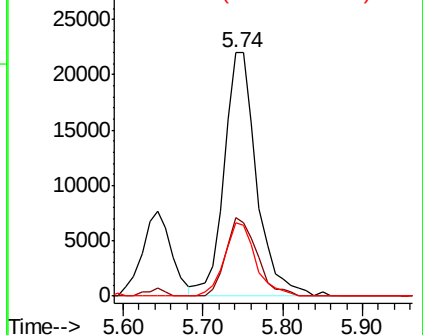


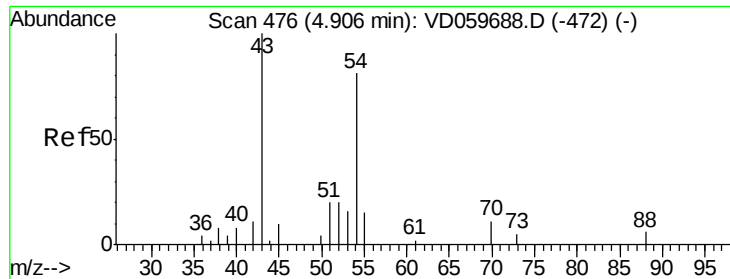
#36
 1,1-Dichloropropene
 Concen: 20.52 ug/l
 RT: 5.74 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Tgt Ion: 75 Resp: 63001
 Ion Ratio Lower Upper
 75 100
 110 32.3 14.1 42.3
 77 30.3 23.9 35.9



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

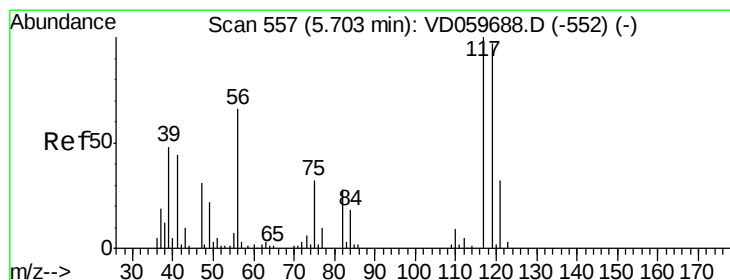
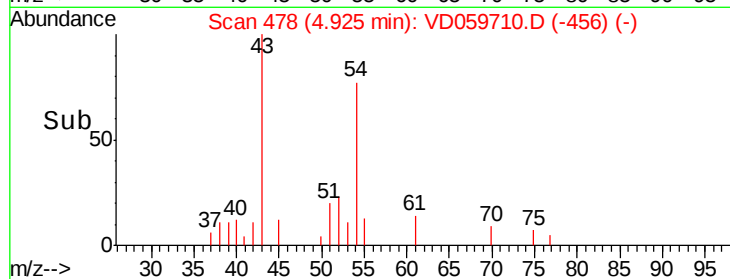
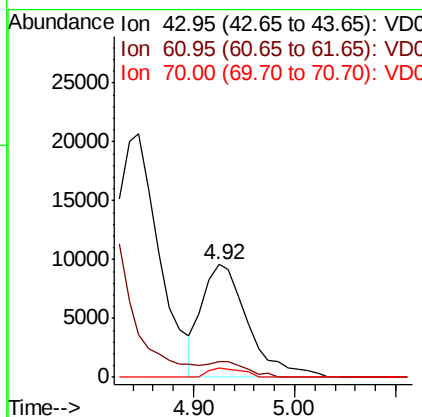
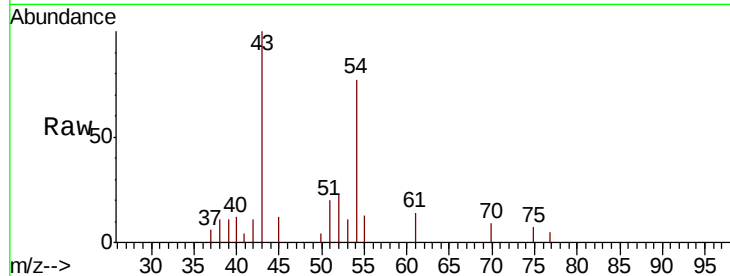




#37
Ethyl Acetate
Concen: 20.35 ug/l
RT: 4.92 min Scan# 478
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

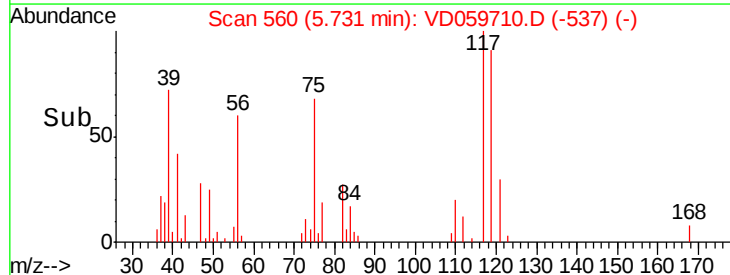
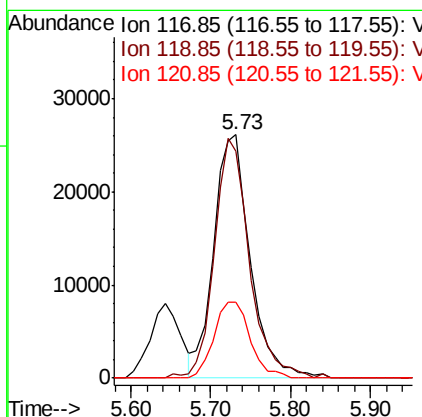
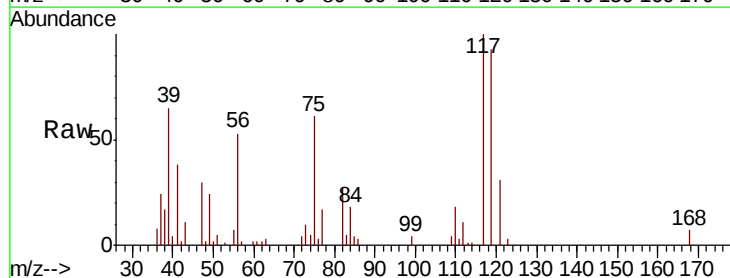
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

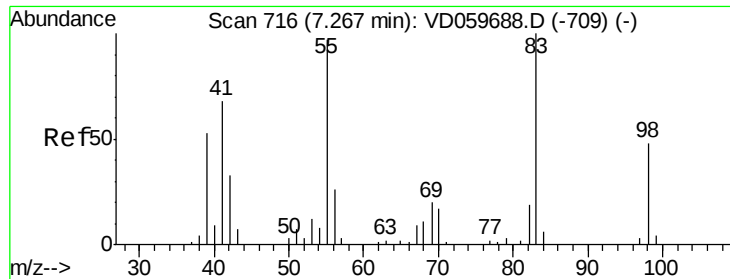
Tot Ion: 43 Resp: 30331
Ion Ratio Lower Upper
43 100
61 14.5 10.1 15.1
70 8.6 5.4 8.2#



#38
Carbon Tetrachloride
Concen: 20.42 ug/l
RT: 5.73 min Scan# 560
Delta R.T. 0.03 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 117 Resp: 83920
Ion Ratio Lower Upper
117 100
119 93.1 75.3 112.9
121 31.1 24.4 36.6

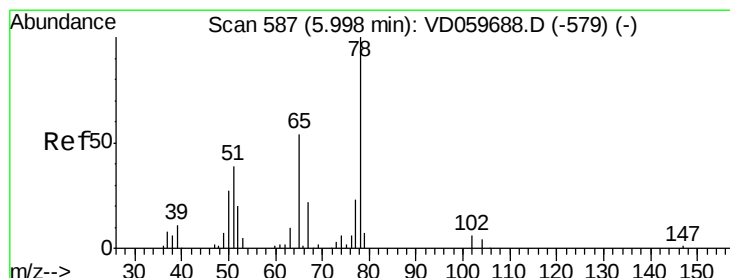
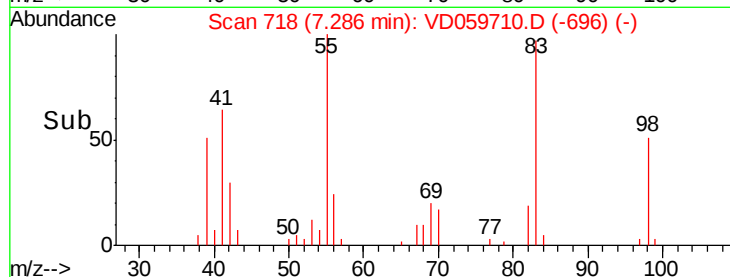
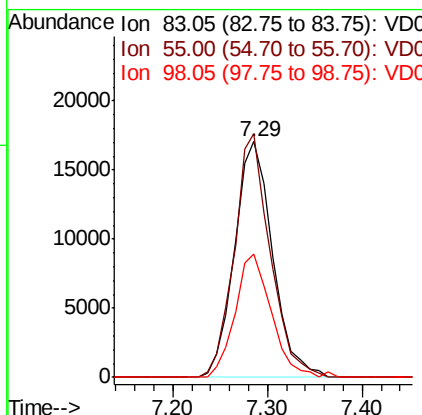
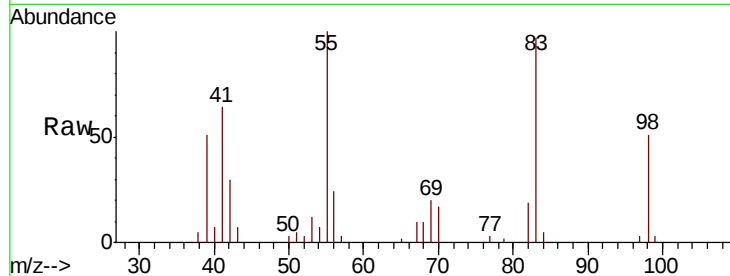




#39
Methvlcvclohexane
Concen: 18.31 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

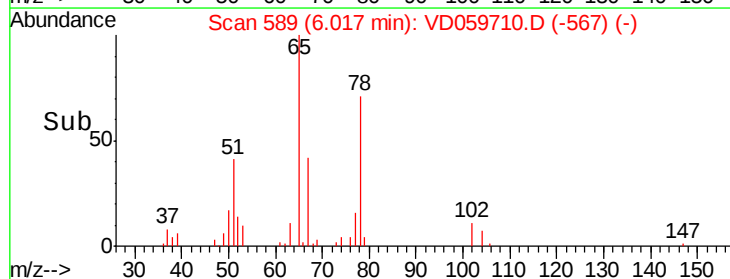
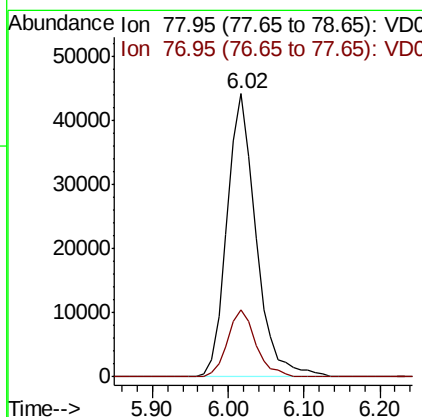
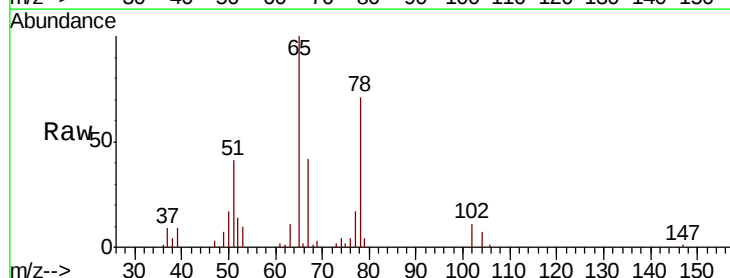
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

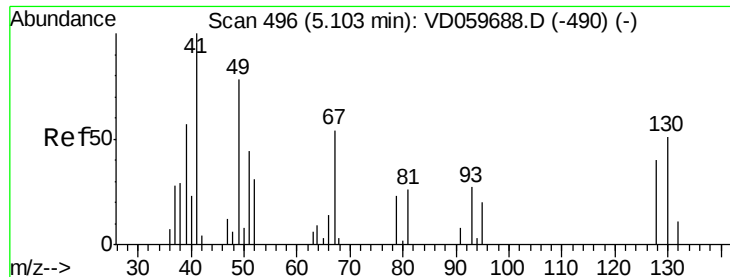
Tot Ion: 83 Resp: 47497
Ion Ratio Lower Upper
83 100
55 103.3 77.7 116.5
98 52.5 38.7 58.1



#40
Benzene
Concen: 19.67 ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 78 Resp: 117117
Ion Ratio Lower Upper
78 100
77 23.6 18.4 27.6

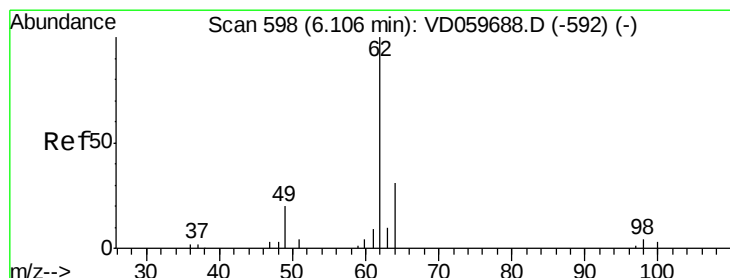
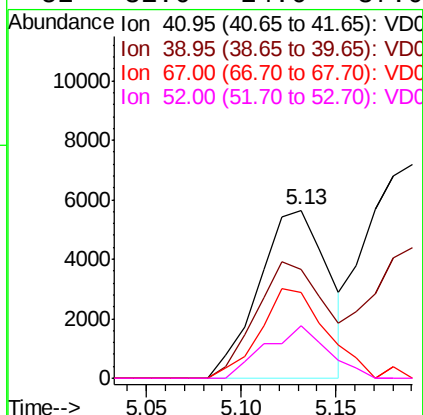
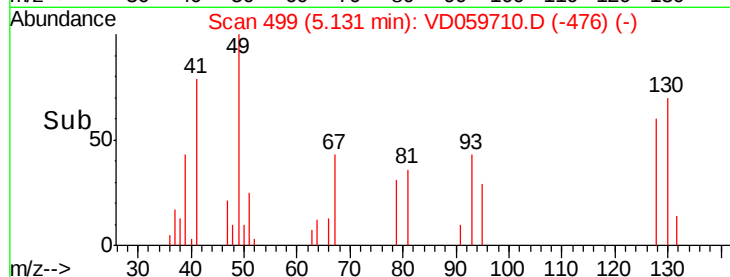
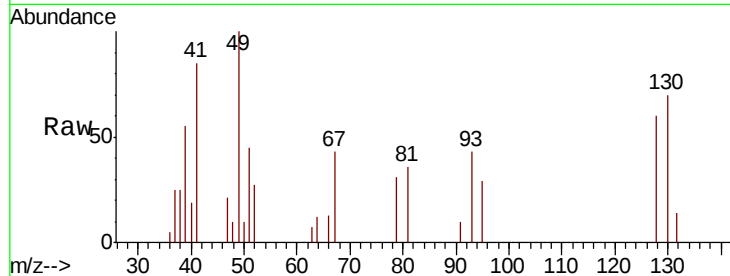




#41
Methacrylonitrile
Concen: 20.68 ug/l
RT: 5.13 min Scan# 499
Delta R.T. 0.03 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

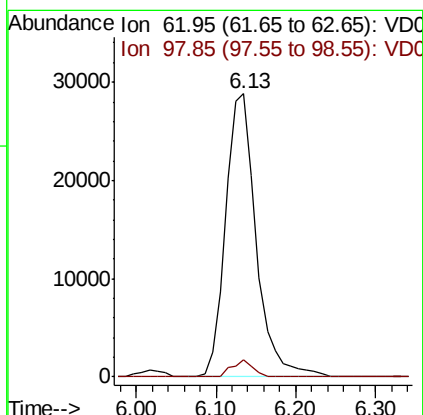
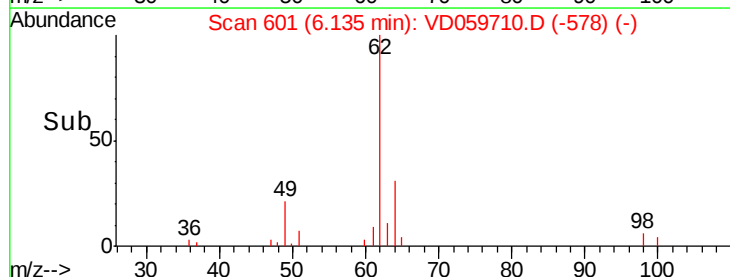
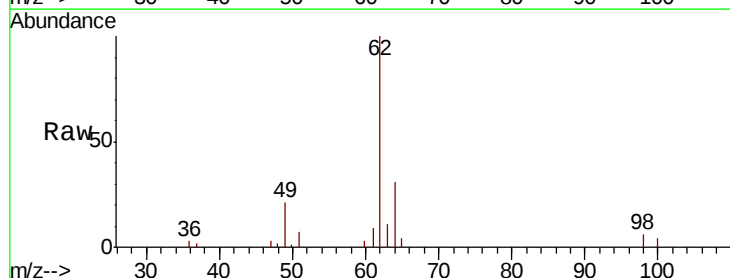
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

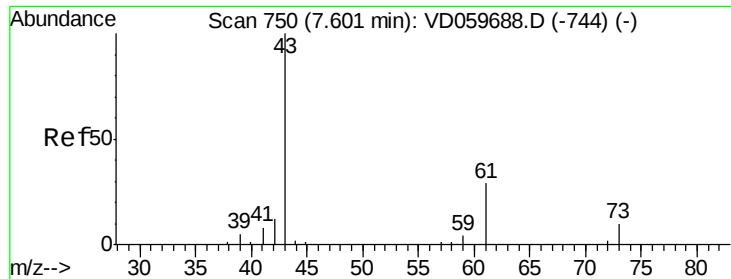
Tot Ion: 41 Resp: 14414
Ion Ratio Lower Upper
41 100
39 65.2 45.8 68.8
67 51.2 43.4 65.2
52 31.6 24.6 37.0



#42
1,2-Dichloroethane
Concen: 21.00 ug/l
RT: 6.13 min Scan# 601
Delta R.T. 0.03 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 62 Resp: 77313
Ion Ratio Lower Upper
62 100
98 5.9 0.0 8.8





#43

Isopropyl Acetate

Concen: 19.98 ug/l

RT: 7.62 min Scan# 752

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

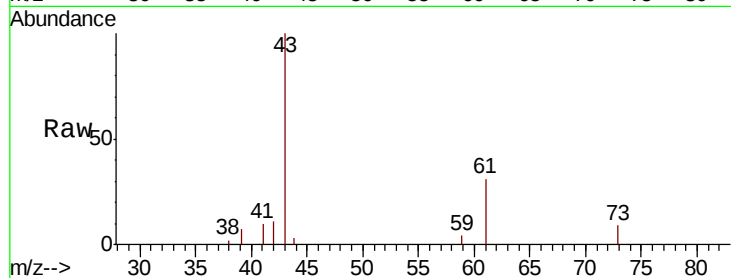
Tot Ion: 43 Resp: 38922

Ion Ratio Lower Upper

43 100

61 30.6 22.9 34.3

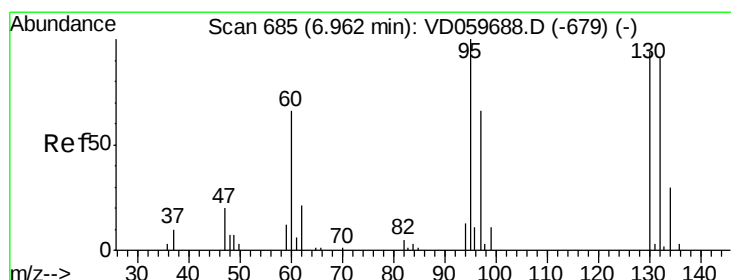
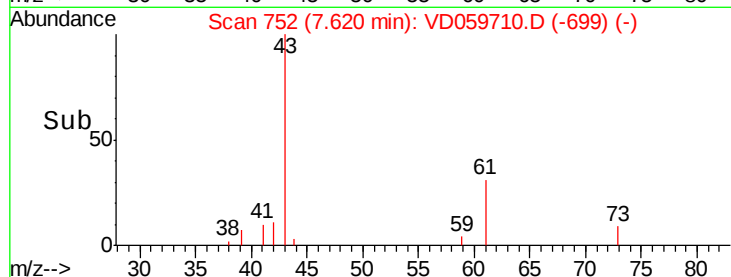
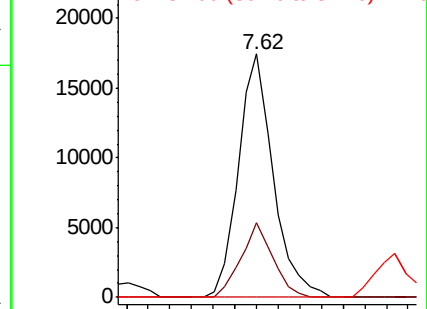
87 0.0 0.0 0.0



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: 19.68 ug/l

RT: 6.98 min Scan# 687

Delta R.T. 0.02 min

Lab File: VD059710.D

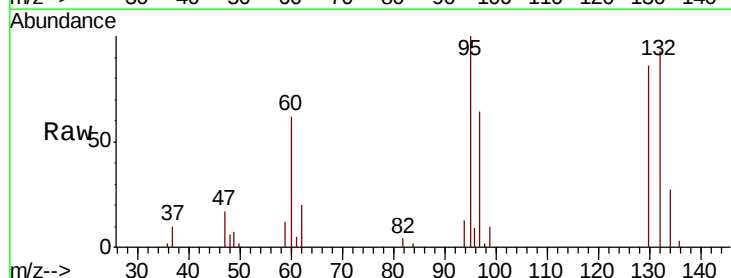
Acq: 8 Aug 2018 13:49

Tgt Ion:130 Resp: 42815

Ion Ratio Lower Upper

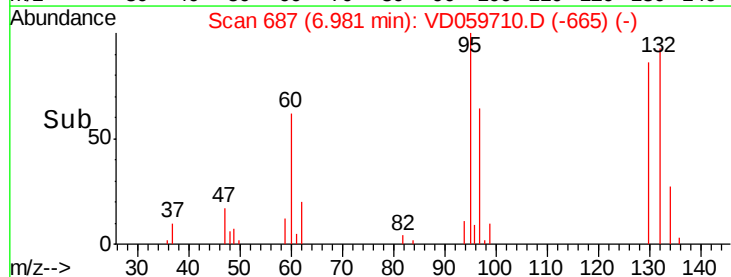
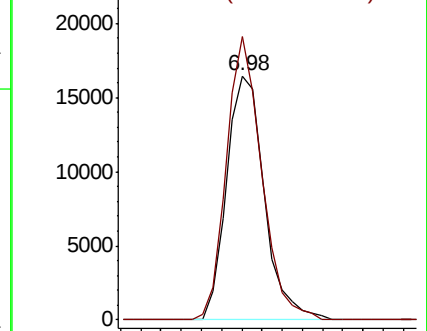
130 100

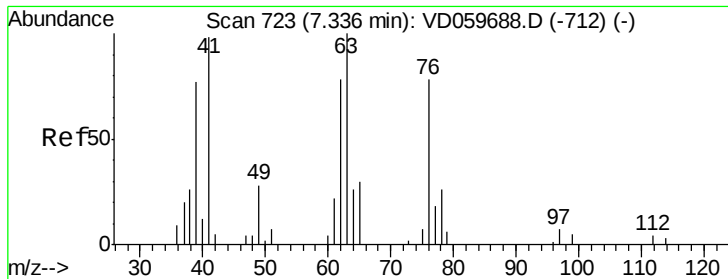
95 115.9 0.0 212.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.82 ug/l

RT: 7.34 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

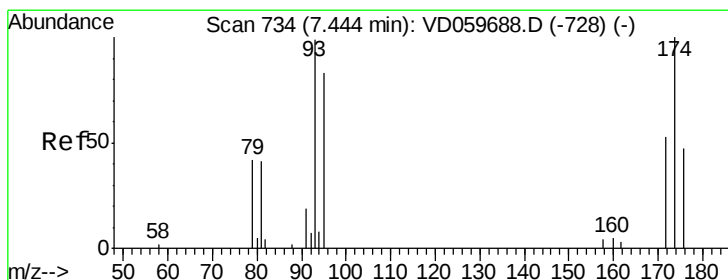
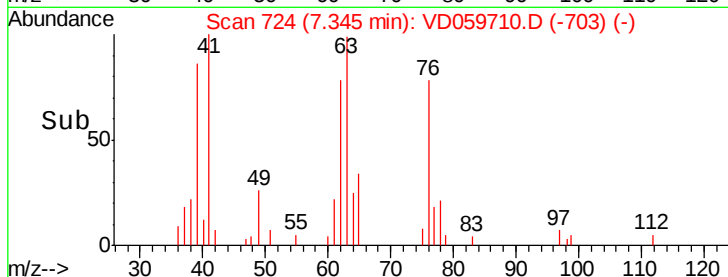
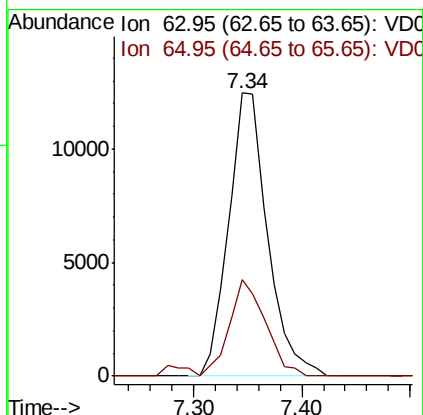
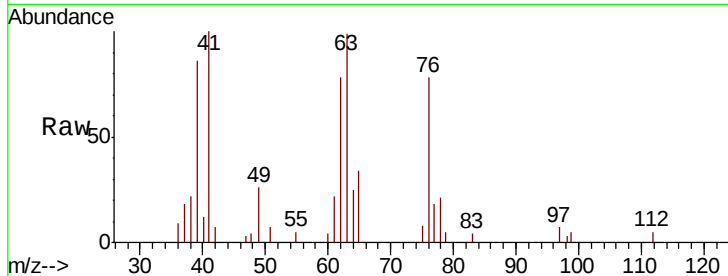
VD0808SBSD01

Tot Ion: 63 Resp: 31159

Ion Ratio Lower Upper

63 100

65 34.1 24.2 36.4



#46

Dibromomethane

Concen: 18.10 ug/l

RT: 7.46 min Scan# 736

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

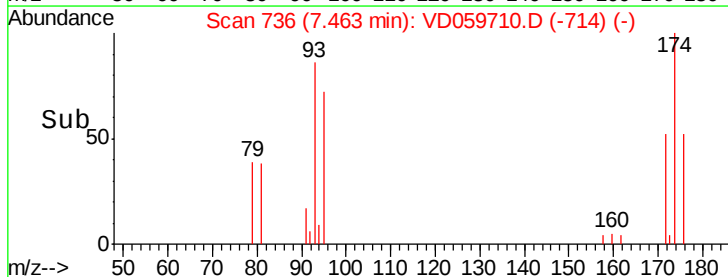
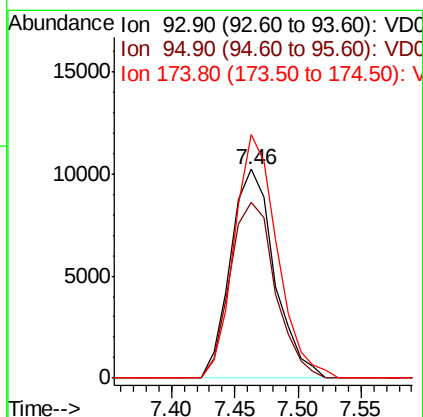
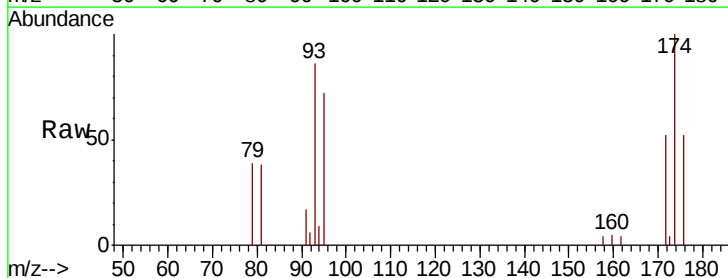
Tgt Ion: 93 Resp: 24661

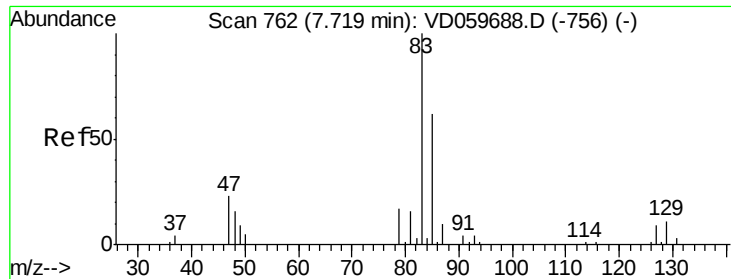
Ion Ratio Lower Upper

93 100

95 84.1 66.6 100.0

174 116.5 80.6 120.8





#47

Bromodichloromethane

Concen: 19.89 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

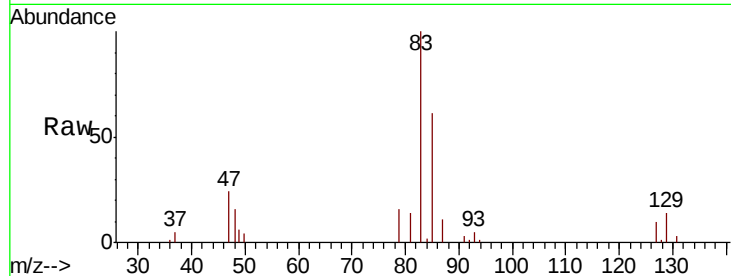
Tot Ion: 83 Resp: 69029

Ion Ratio Lower Upper

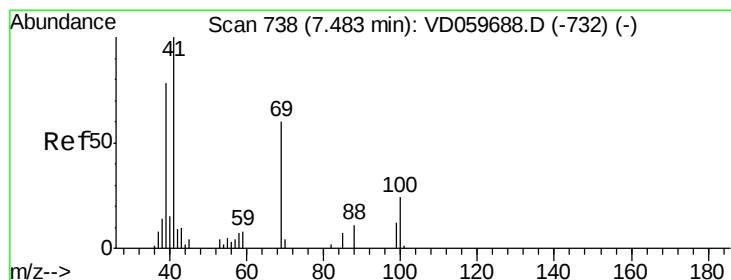
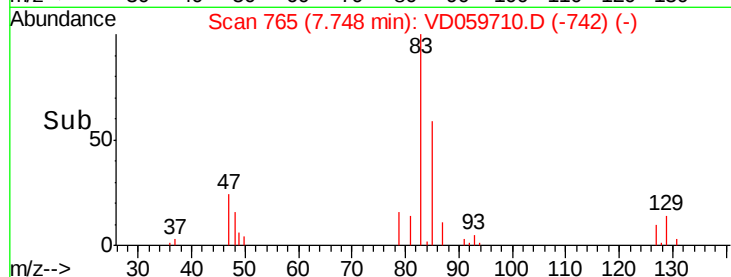
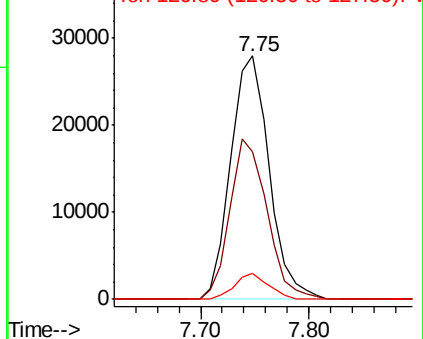
83 100

85 60.7 49.8 74.8

127 10.4 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: 20.91 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

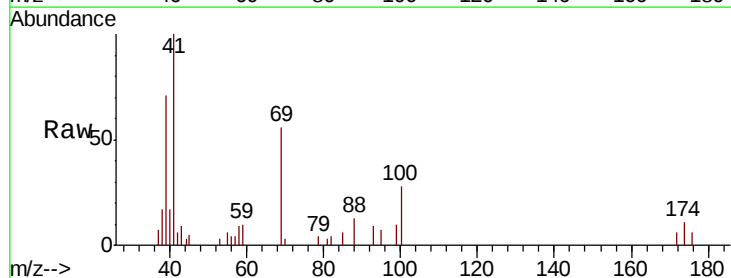
Tgt Ion: 41 Resp: 26889

Ion Ratio Lower Upper

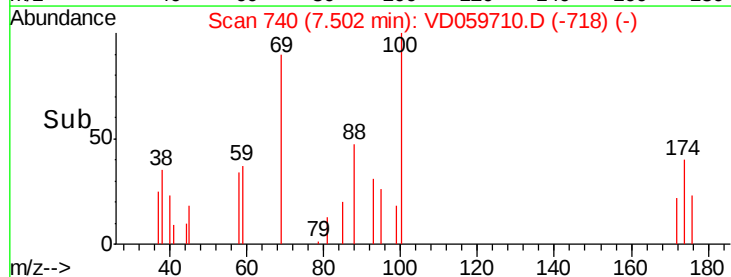
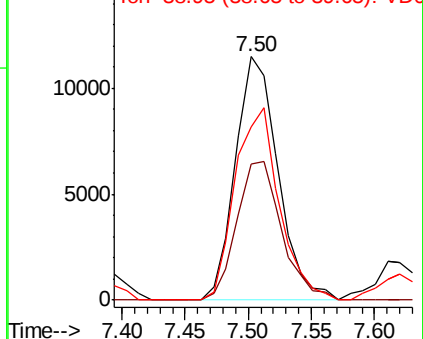
41 100

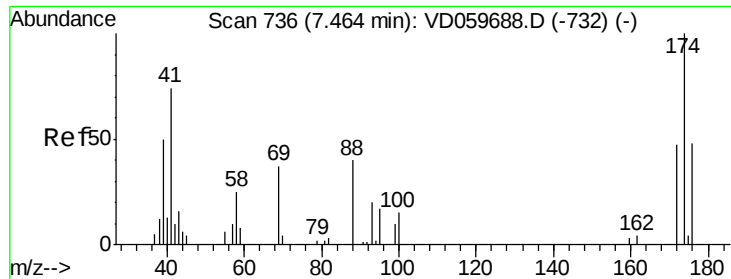
69 55.9 47.3 70.9

39 70.9 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: 375.46 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.04 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

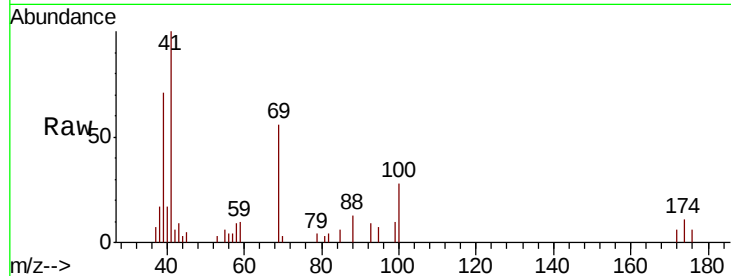
Tot Ion: 88 Resp: 3907

Ion Ratio Lower Upper

88 100

43 68.9 32.2 48.2#

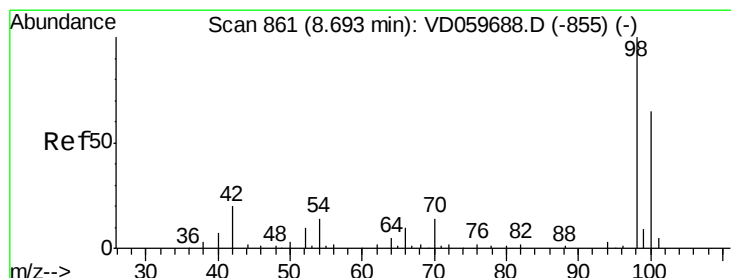
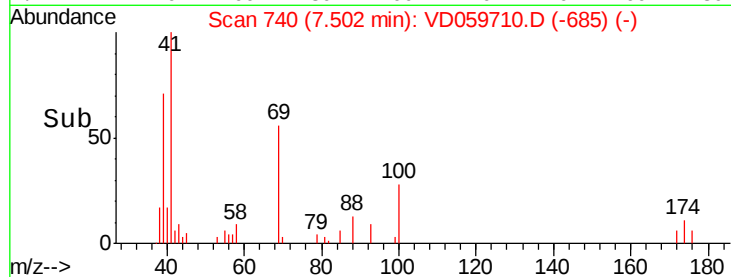
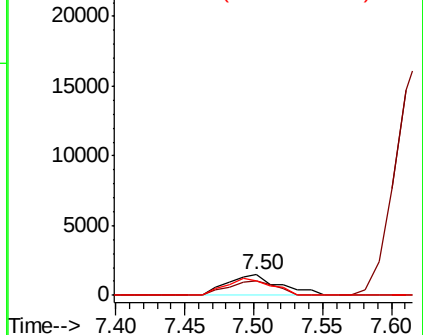
58 72.5 51.5 77.3



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: 375.46 ug/l

RT: 8.71 min Scan# 863

Delta R.T. 0.02 min

Lab File: VD059710.D

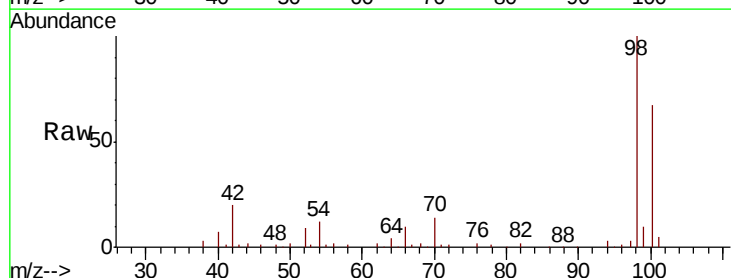
Acq: 8 Aug 2018 13:49

Tgt Ion: 98 Resp: 306254

Ion Ratio Lower Upper

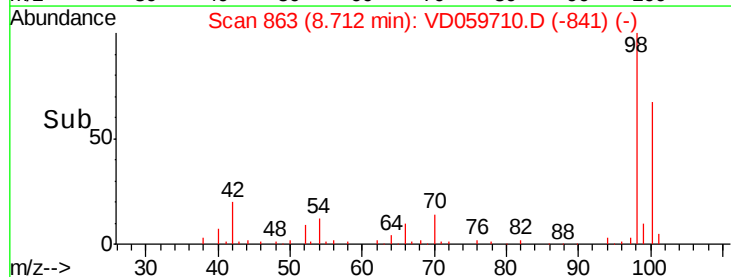
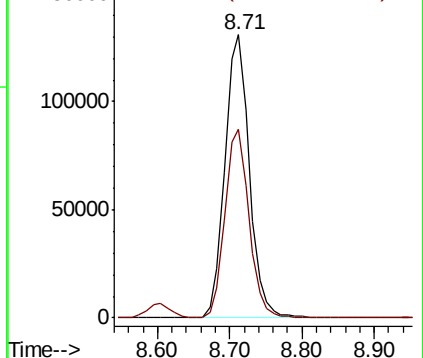
98 100

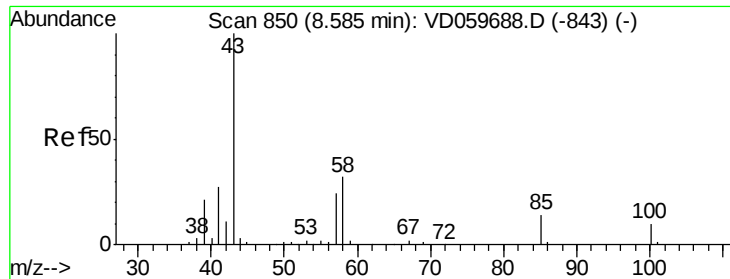
100 66.6 52.5 78.7



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: 93.71 ug/l

RT: 8.60 min Scan# 852

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

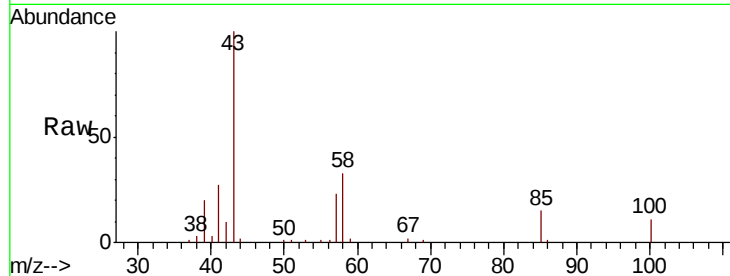
VD0808SBSD01

Tot Ion: 43 Resp: 133159

Ion Ratio Lower Upper

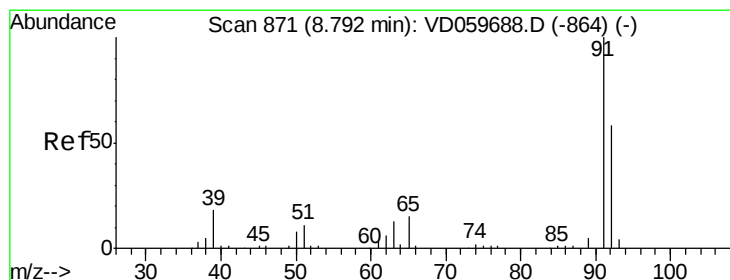
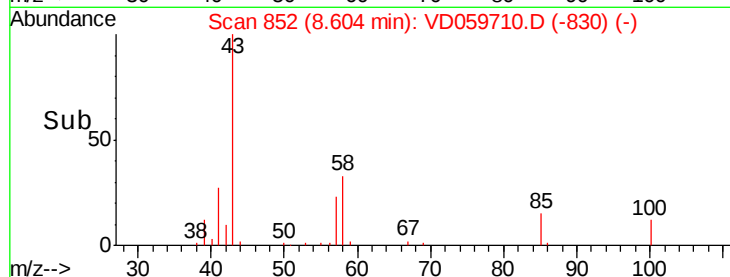
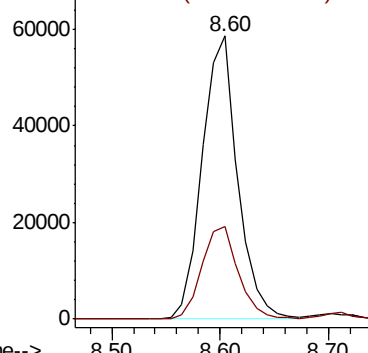
43 100

58 32.7 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: 20.56 ug/l

RT: 8.80 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD059710.D

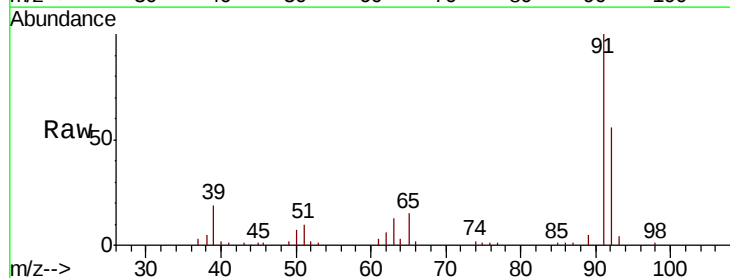
Acq: 8 Aug 2018 13:49

Tgt Ion: 92 Resp: 78095

Ion Ratio Lower Upper

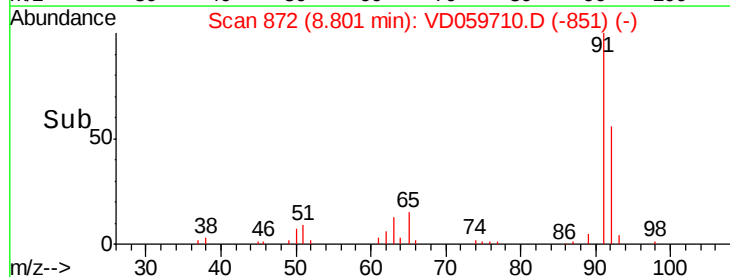
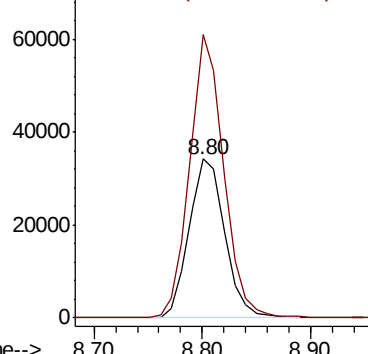
92 100

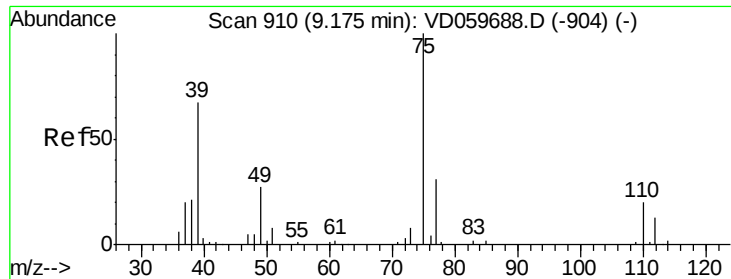
91 178.1 137.0 205.6



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: 21.09 ug/l

RT: 9.18 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

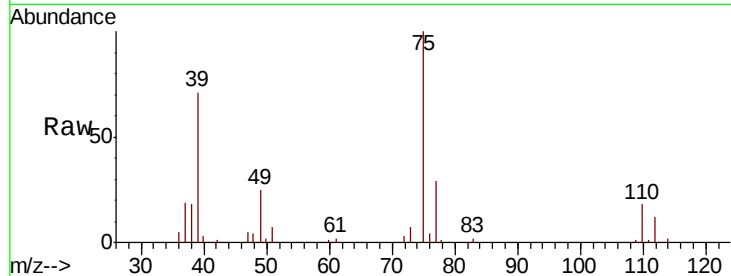
VD0808SBSD01

Tot Ion: 75 Resp: 61918

Ion Ratio Lower Upper

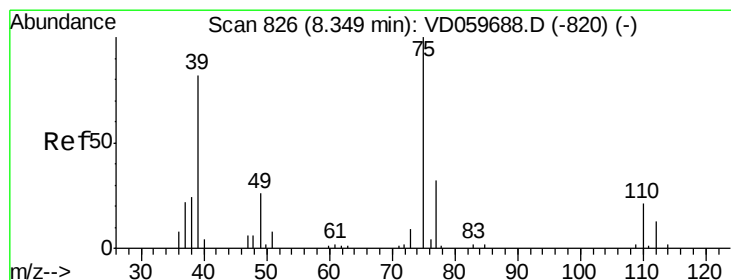
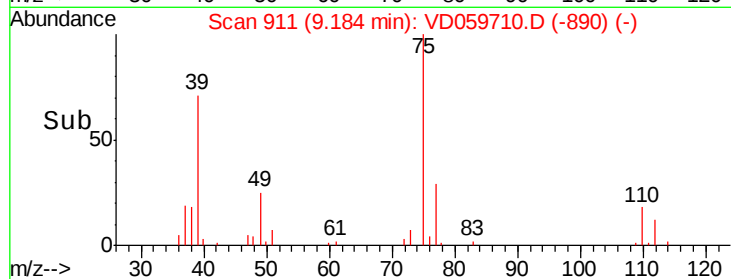
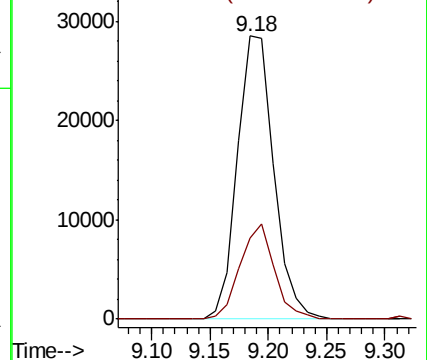
75 100

77 28.7 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.14 ug/l

RT: 8.36 min Scan# 827

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

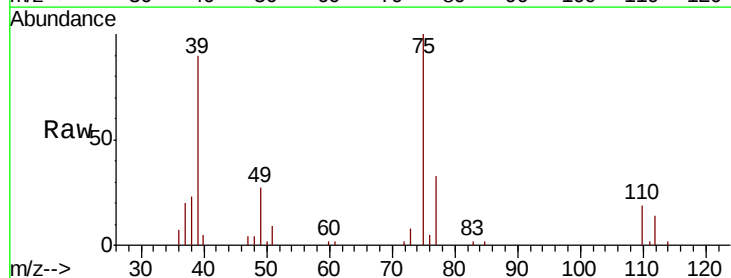
Tgt Ion: 75 Resp: 60905

Ion Ratio Lower Upper

75 100

77 33.4 25.5 38.3

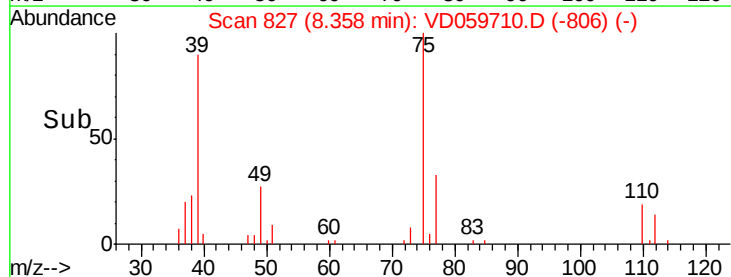
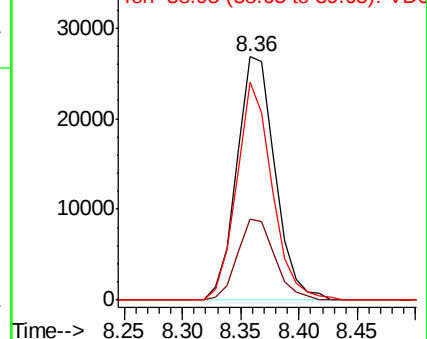
39 89.8 65.4 98.2

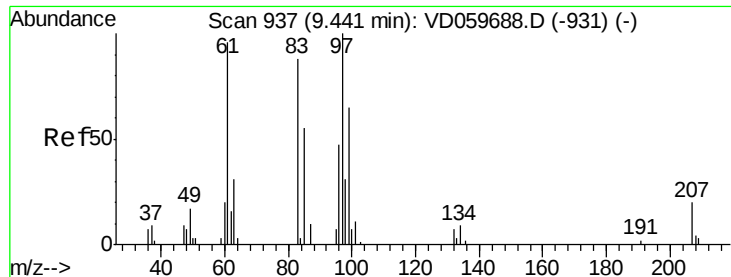


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 20.24 ug/l

RT: 9.46 min Scan# 939

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

Tot Ion: 97 Resp: 29528

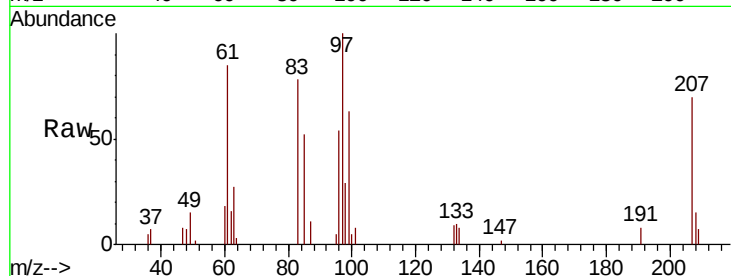
Ion Ratio Lower Upper

97 100

83 77.8 70.8 106.2

85 52.2 44.1 66.1

99 63.4 52.2 78.4

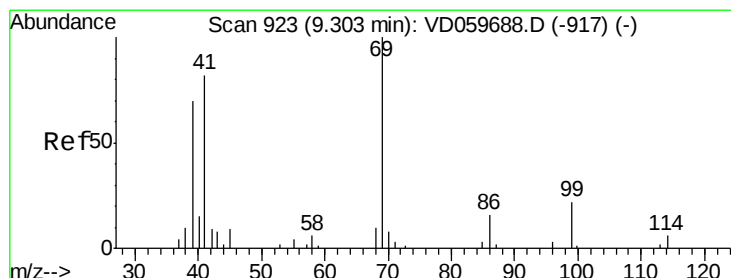
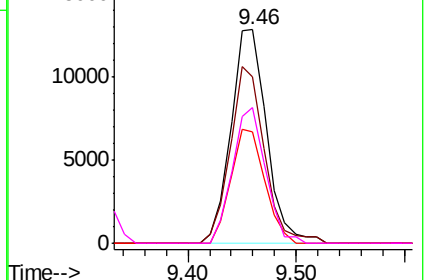
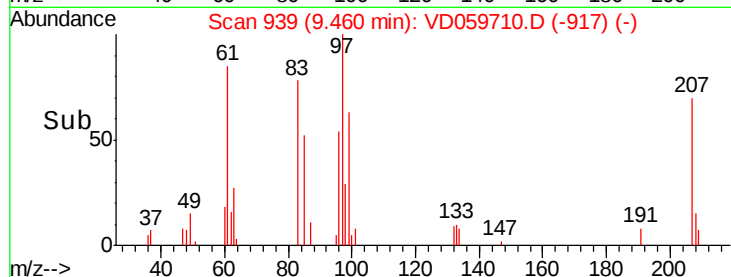


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 21.63 ug/l

RT: 9.31 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

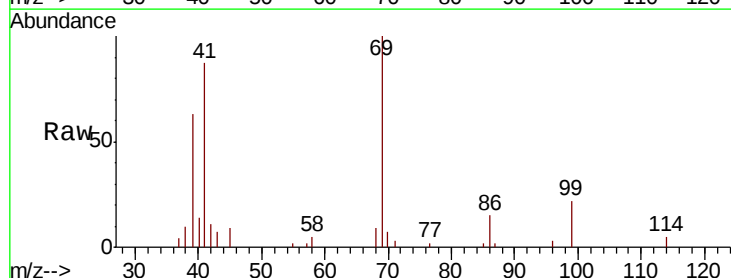
Tgt Ion: 69 Resp: 34824

Ion Ratio Lower Upper

69 100

41 87.1 65.7 98.5

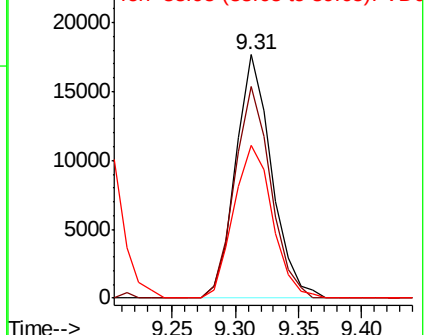
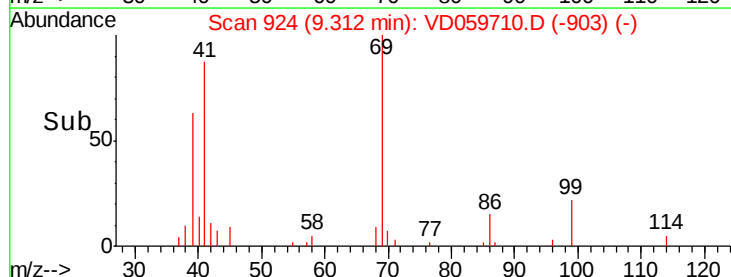
39 62.8 55.8 83.8

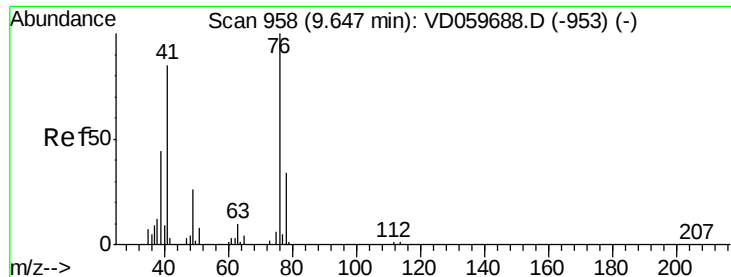


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.59 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.02 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

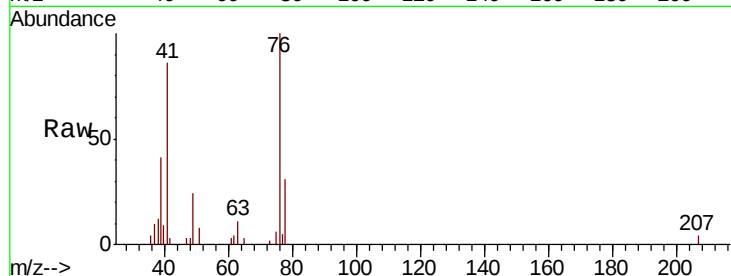
VD0808SBSD01

Tot Ion: 76 Resp: 44353

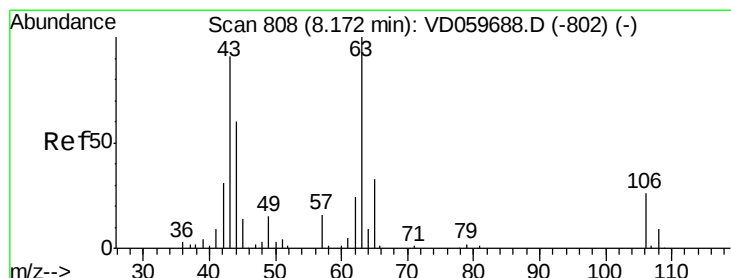
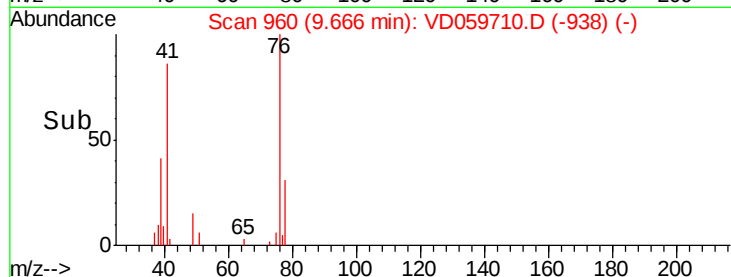
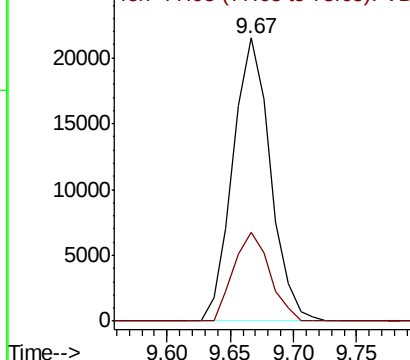
Ion Ratio Lower Upper

76 100

78 31.4 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: 116.57 ug/l

RT: 8.19 min Scan# 810

Delta R.T. 0.02 min

Lab File: VD059710.D

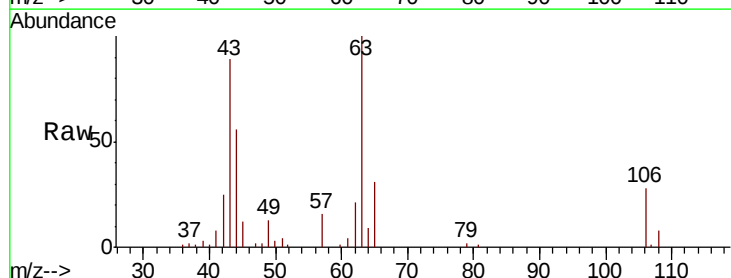
Acq: 8 Aug 2018 13:49

Tgt Ion: 63 Resp: 89395

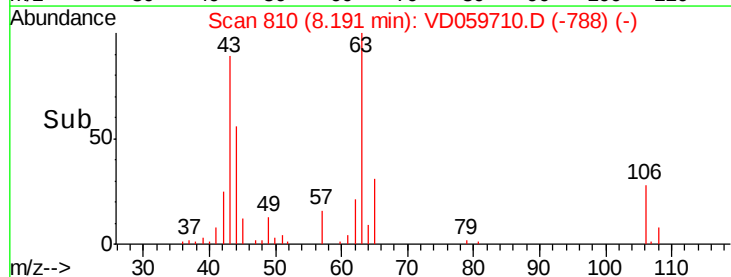
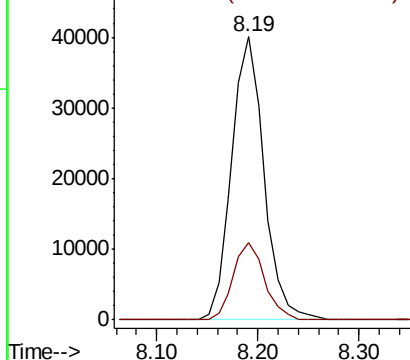
Ion Ratio Lower Upper

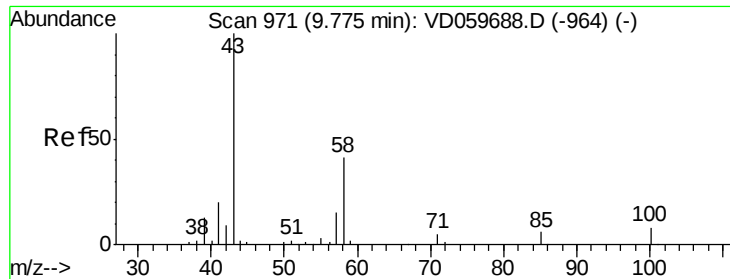
63 100

106 27.5 20.7 31.1



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 105.95 (105.65 to 106.65): V

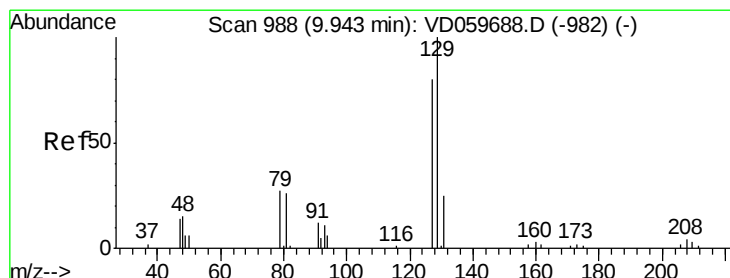
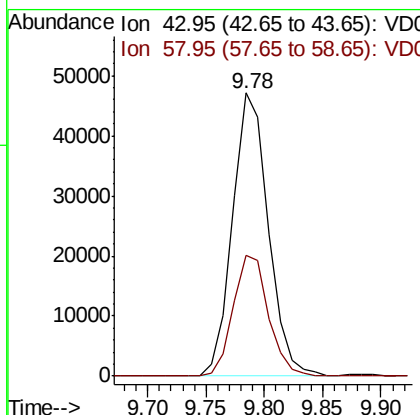
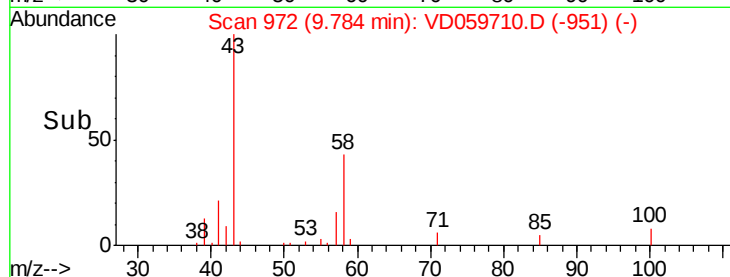
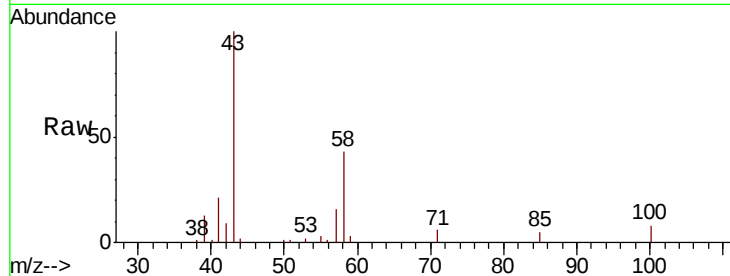




#59
 2-Hexanone
 Concen: 93.79 ug/l
 RT: 9.78 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

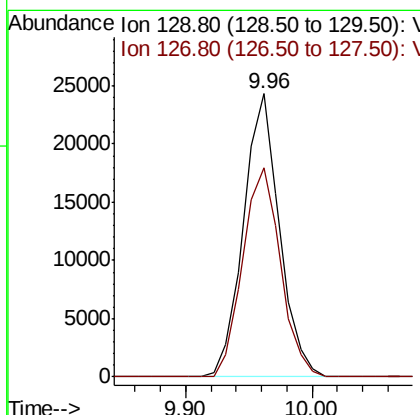
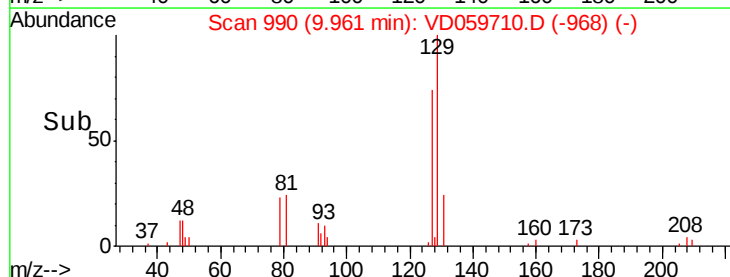
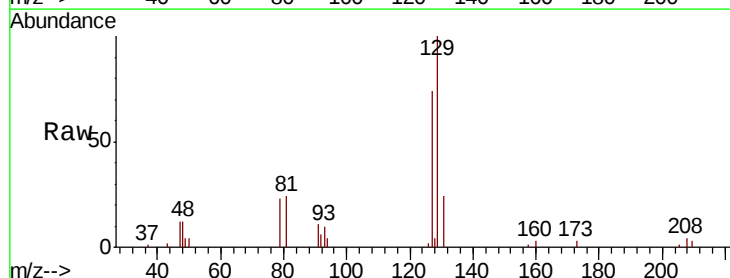
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

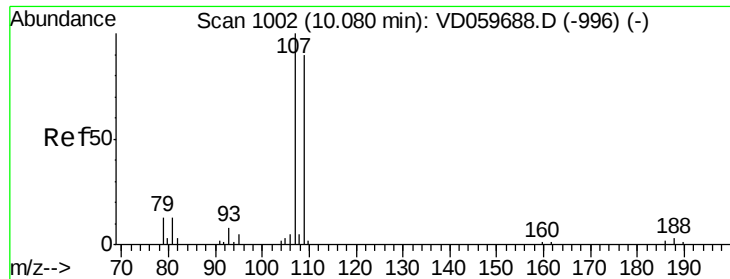
Tot Ion: 43 Resp: 100080
 Ion Ratio Lower Upper
 43 100
 58 42.7 20.4 61.3



#60
 Dibromochloromethane
 Concen: 20.75 ug/l
 RT: 9.96 min Scan# 990
 Delta R.T. 0.02 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Tgt Ion: 129 Resp: 48097
 Ion Ratio Lower Upper
 129 100
 127 74.0 40.0 119.9

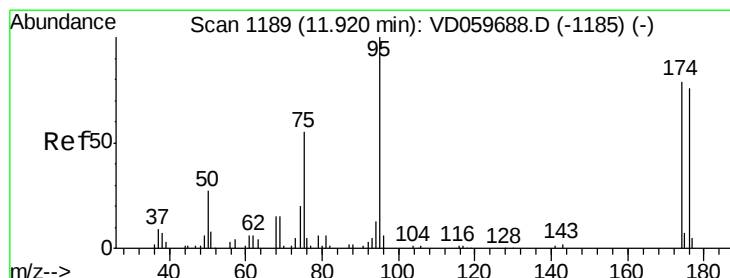
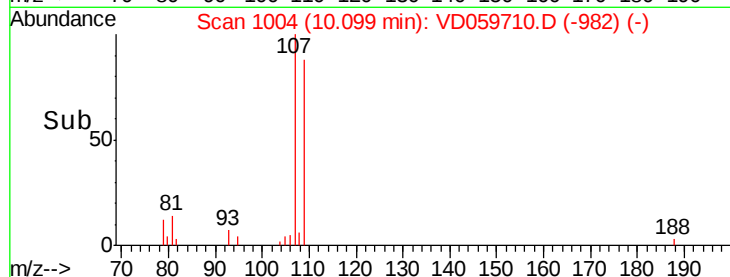
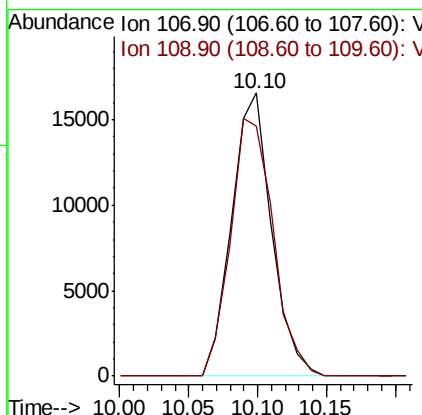
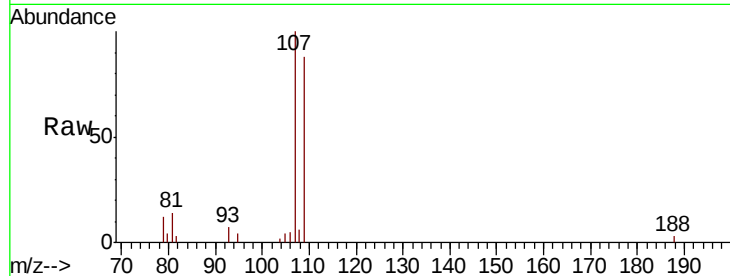




#61
 1,2-Dibromoethane
 Concen: 19.89 ug/l
 RT: 10.10 min Scan# 1004
 Delta R.T. 0.02 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

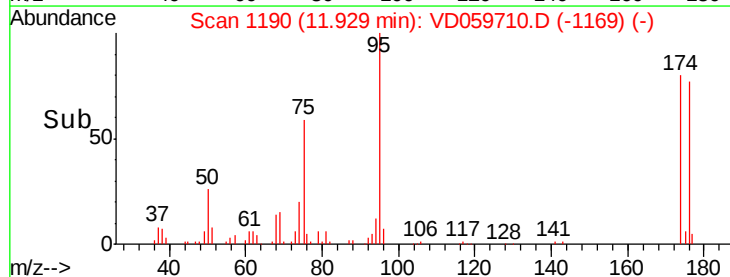
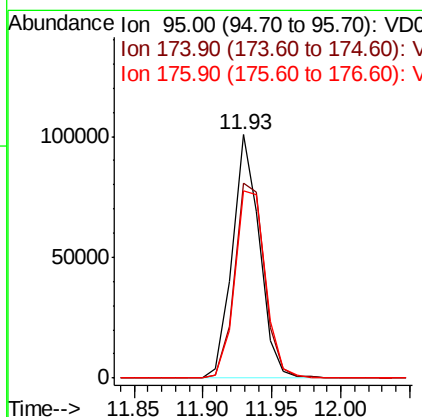
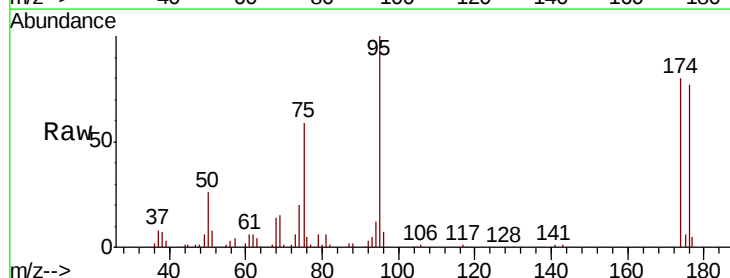
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

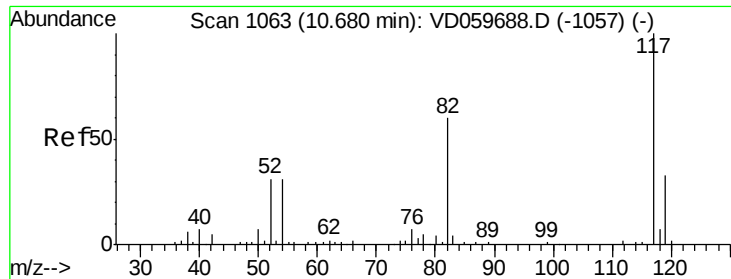
Tot Ion:107 Resp: 33360
 Ion Ratio Lower Upper
 107 100
 109 88.4 72.0 108.0



#62
 4-Bromofluorobenzene
 Concen: 19.89 ug/l
 RT: 11.93 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Tgt Ion: 95 Resp: 137705
 Ion Ratio Lower Upper
 95 100
 174 80.1 0.0 158.4
 176 77.0 0.0 153.0

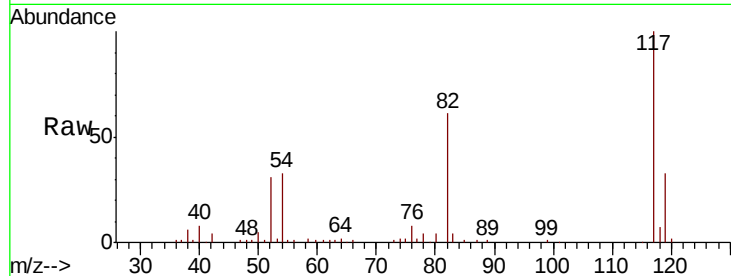




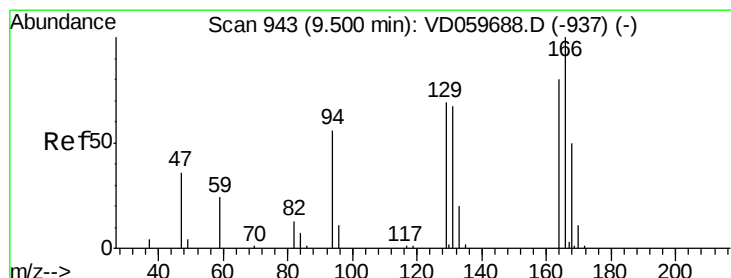
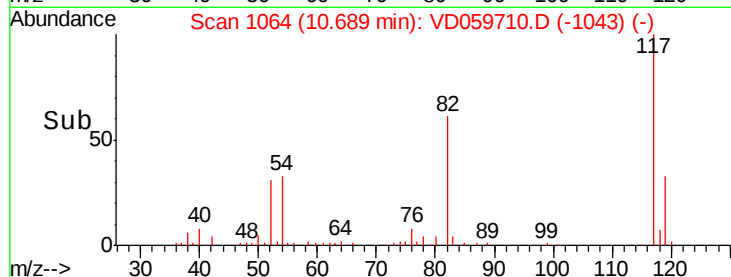
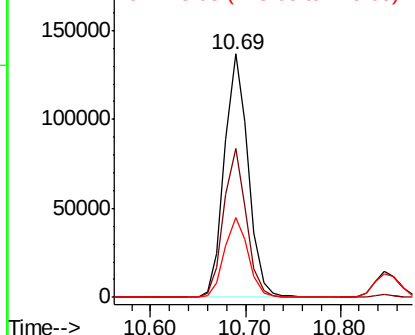
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

Tot Ion:117 Resp: 237481
Ion Ratio Lower Upper
117 100
82 61.1 47.7 71.5
119 32.9 26.6 40.0

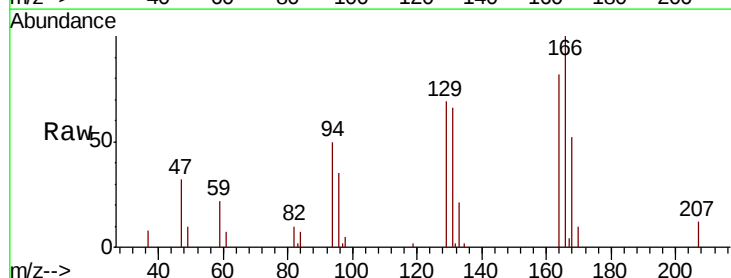


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

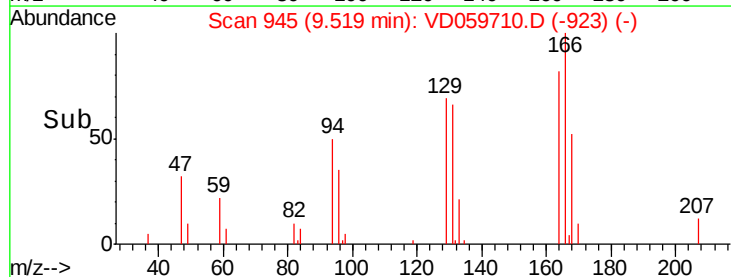
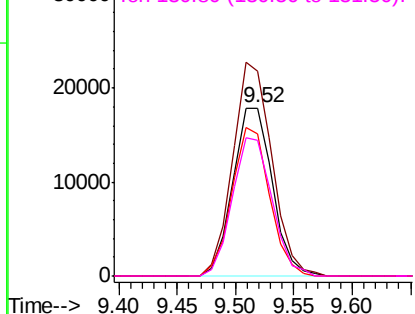


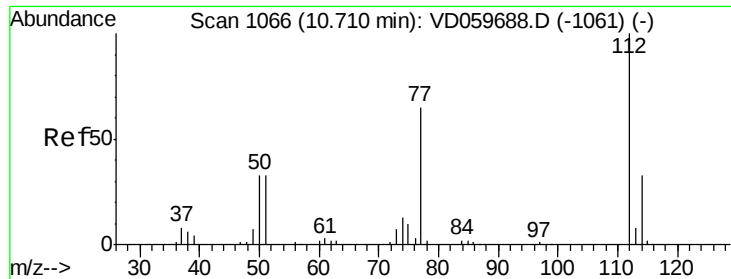
#64
Tetrachloroethene
Concen: 18.68 ug/l
RT: 9.52 min Scan# 945
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion:164 Resp: 41993
Ion Ratio Lower Upper
164 100
166 122.2 100.5 150.7
129 84.2 69.3 103.9
131 80.9 67.3 100.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

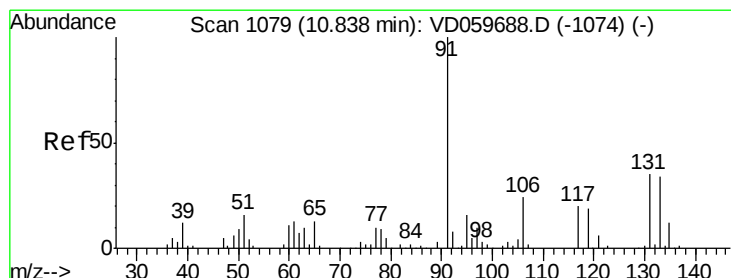
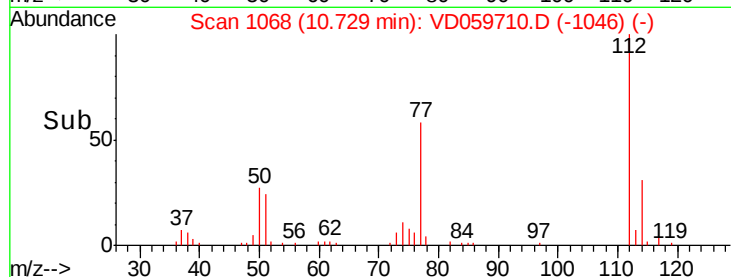
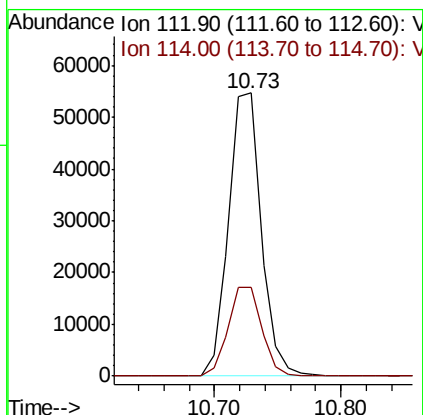
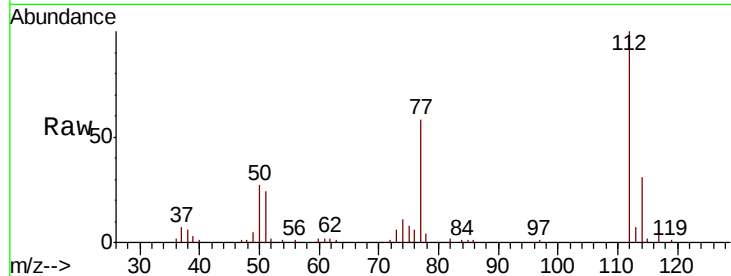




#65
Chlorobenzene
Concen: 19.50 ug/l
RT: 10.73 min Scan# 1068
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

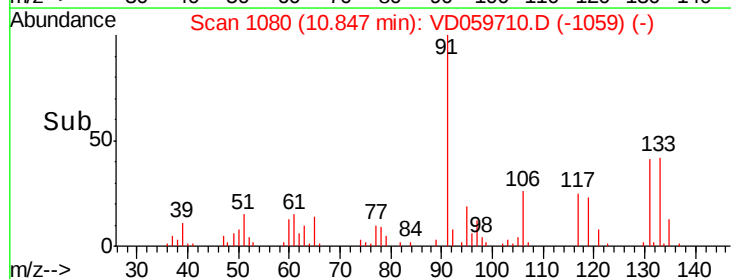
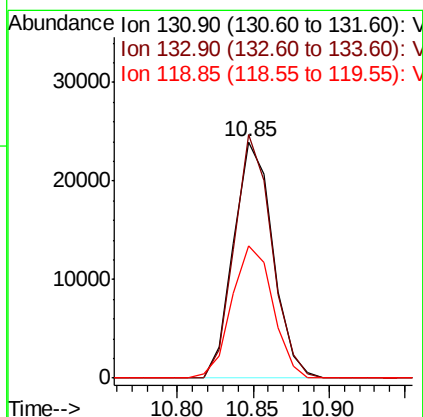
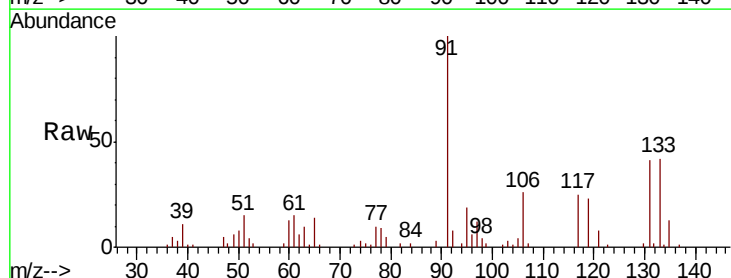
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

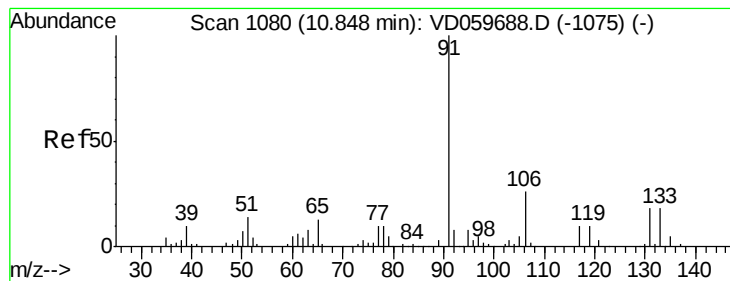
Tot Ion:112 Resp: 97598
Ion Ratio Lower Upper
112 100
114 31.3 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.69 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion:131 Resp: 43203
Ion Ratio Lower Upper
131 100
133 103.2 49.7 149.1
119 56.3 27.0 80.8





#67

Ethyl Benzene

Concen: 19.10 ug/l

RT: 10.86 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

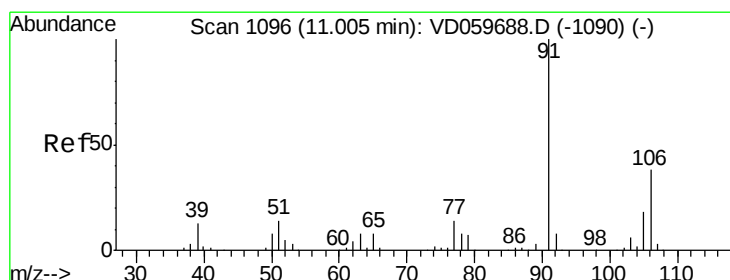
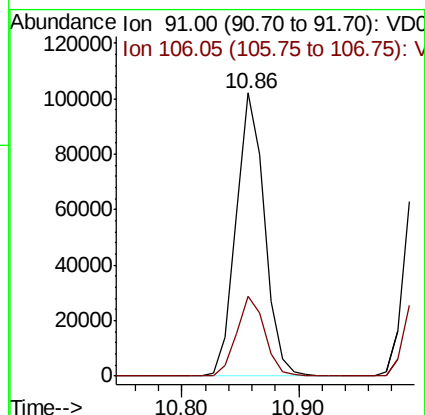
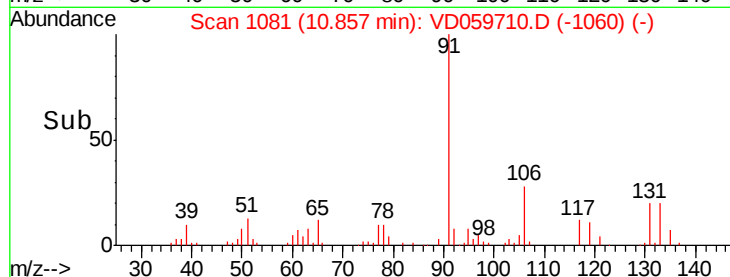
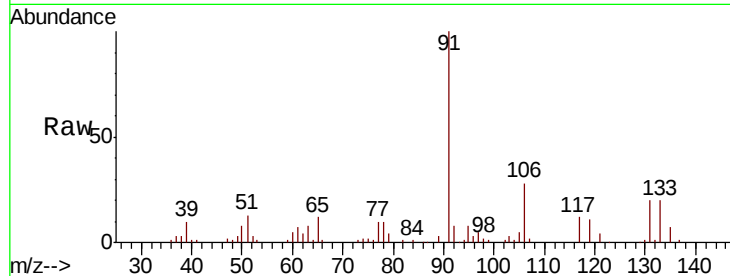
VD0808SBS01

Tot Ion: 91 Resp: 172104

Ion Ratio Lower Upper

91 100

106 28.0 20.9 31.3



#68

m/p-Xylenes

Concen: 39.83 ug/l

RT: 11.01 min Scan# 1097

Delta R.T. 0.01 min

Lab File: VD059710.D

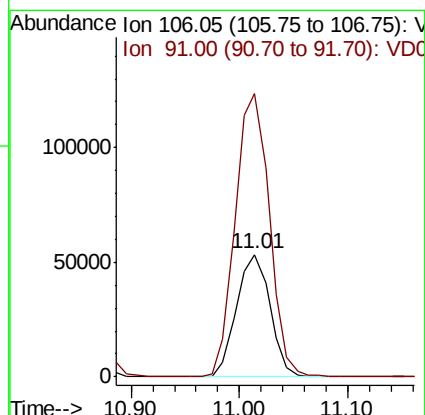
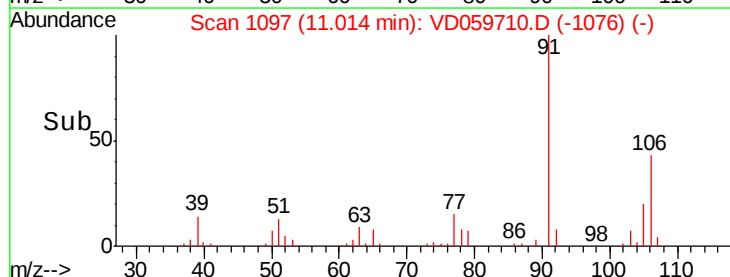
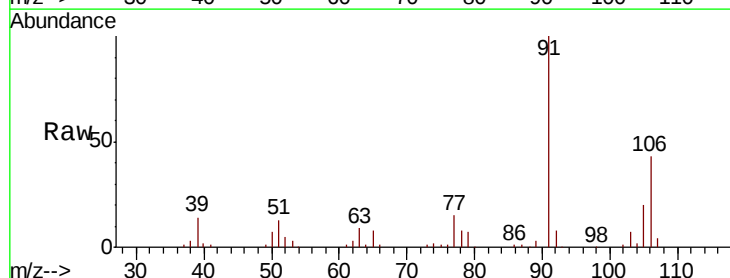
Acq: 8 Aug 2018 13:49

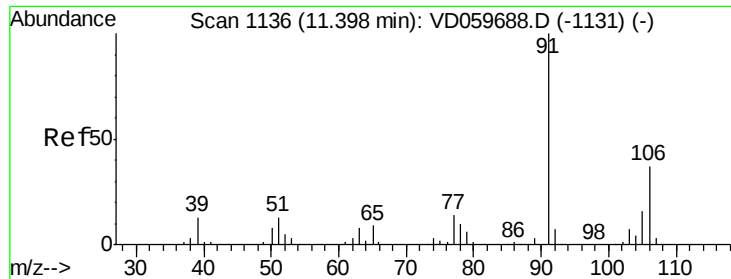
Tgt Ion: 106 Resp: 114829

Ion Ratio Lower Upper

106 100

91 231.4 209.7 314.5

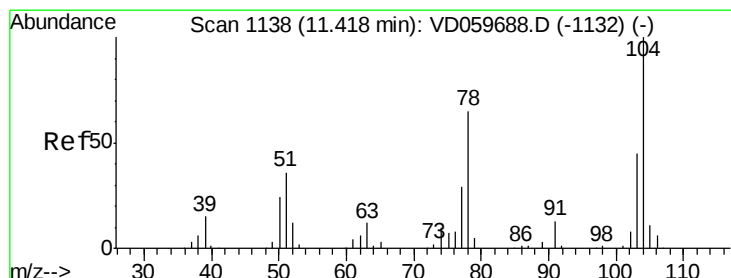
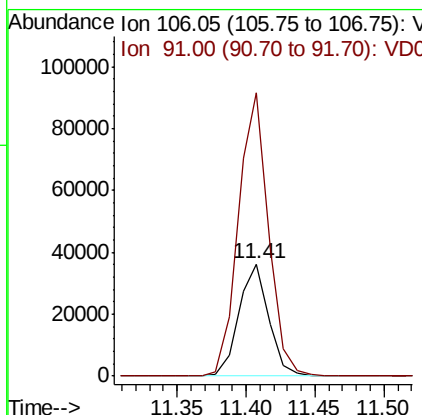
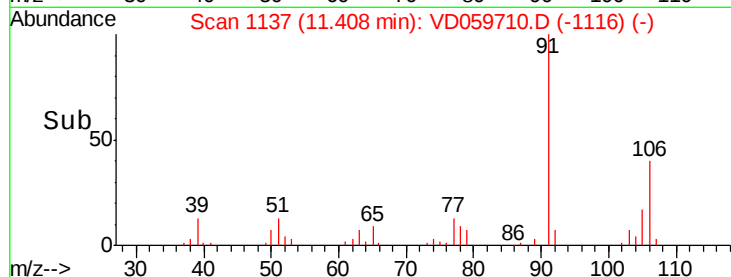
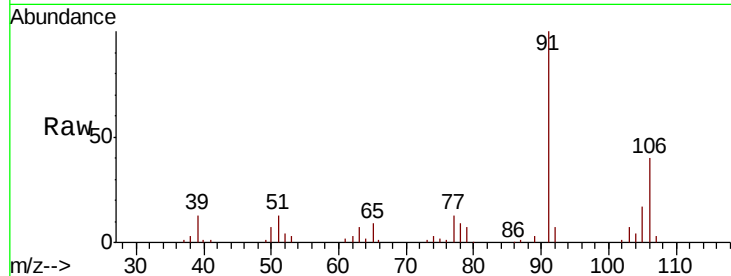




#69
o-Xylene
Concen: 19.45 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

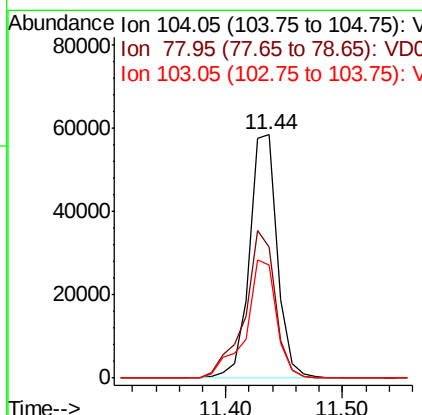
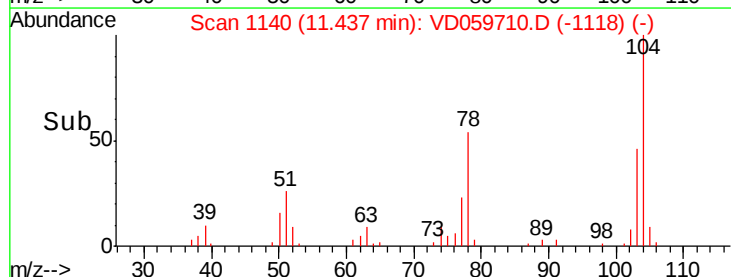
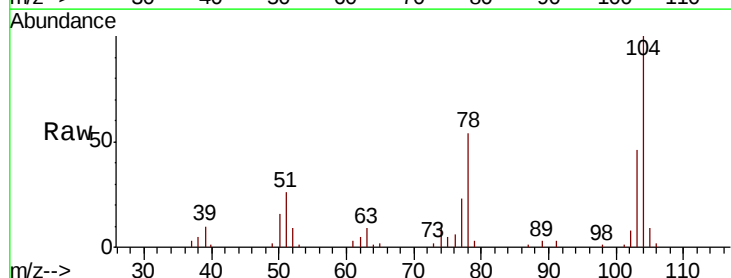
Instrument :
MSVOA_D
ClientSampleID :
VD0808SBSD01

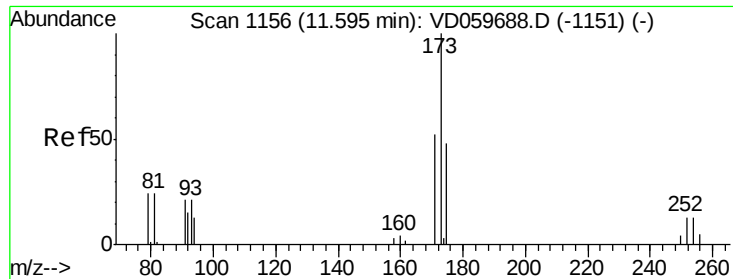
Tot Ion:106 Resp: 54523
Ion Ratio Lower Upper
106 100
91 253.1 135.2 405.6



#70
Styrene
Concen: 20.49 ug/l
RT: 11.44 min Scan# 1140
Delta R.T. 0.02 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion:104 Resp: 96421
Ion Ratio Lower Upper
104 100
78 53.8 51.9 77.9
103 46.2 36.2 54.4

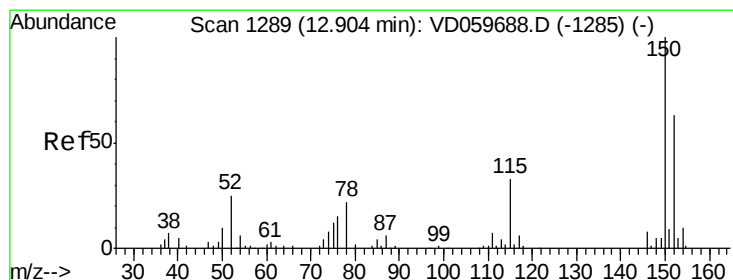
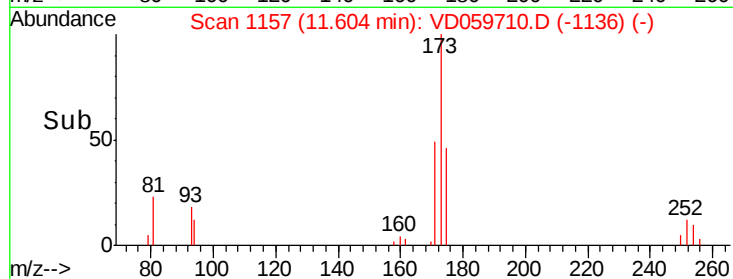
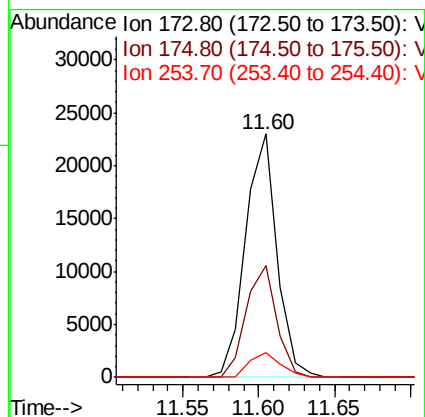
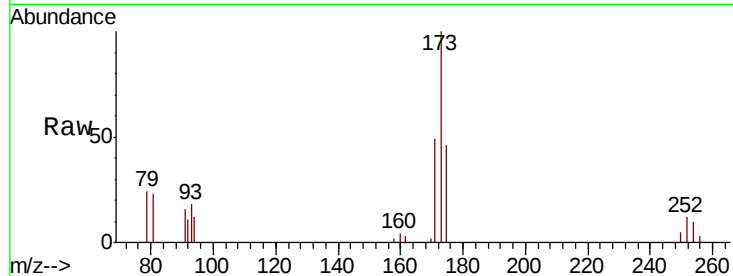




#71
Bromoform
Concen: 20.04 ug/l
RT: 11.60 min Scan# 1157
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

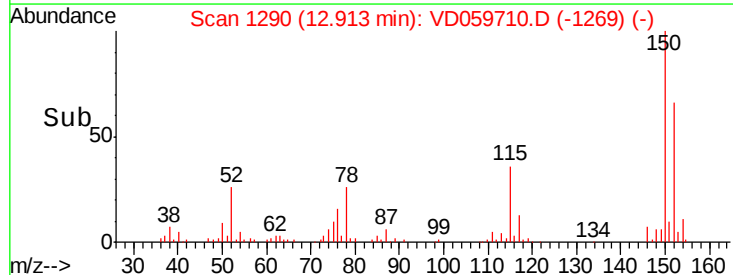
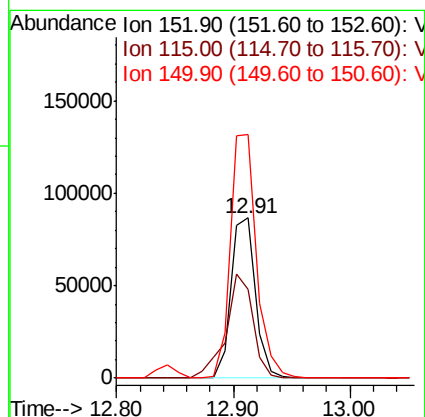
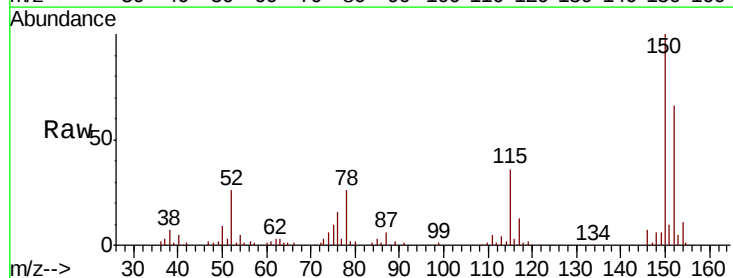
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

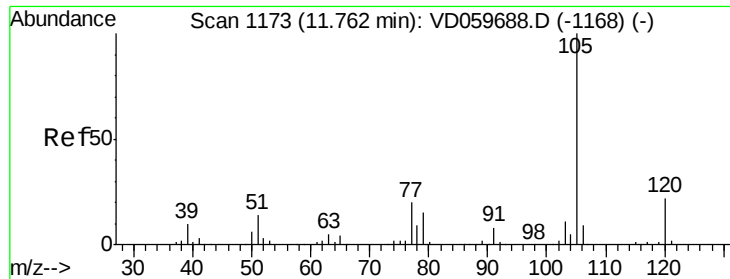
Tot Ion:173 Resp: 33124
Ion Ratio Lower Upper
173 100
175 45.8 24.1 72.4
254 10.0 10.6 16.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1290
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion:152 Resp: 126164
Ion Ratio Lower Upper
152 100
115 55.2 28.8 86.4
150 152.3 0.0 318.0





#73

Isopropylbenzene

Concen: 20.38 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

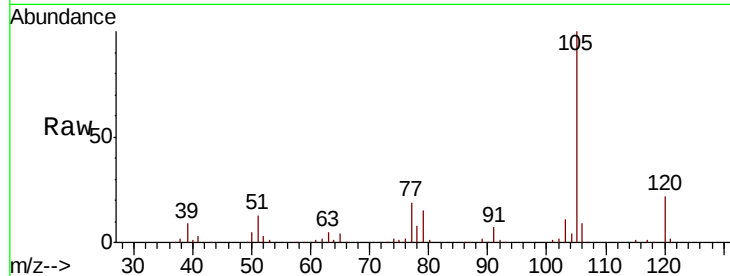
VD0808SBSD01

Tot Ion:105 Resp: 172799

Ion Ratio Lower Upper

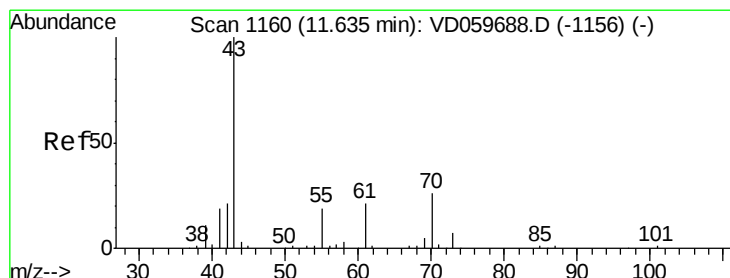
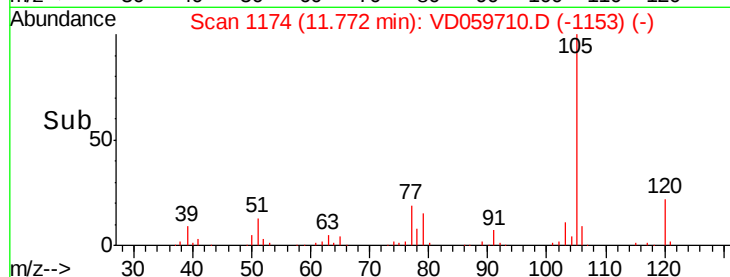
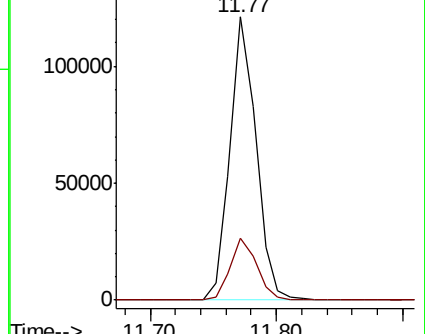
105 100

120 21.7 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: 19.85 ug/l

RT: 11.64 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Tgt Ion: 43 Resp: 53840

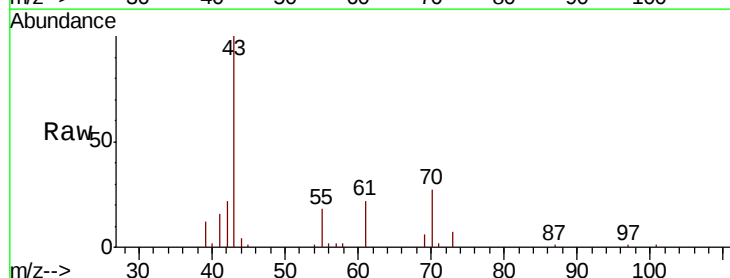
Ion Ratio Lower Upper

43 100

70 26.9 21.0 31.6

55 17.8 15.4 23.2

61 21.9 16.8 25.2

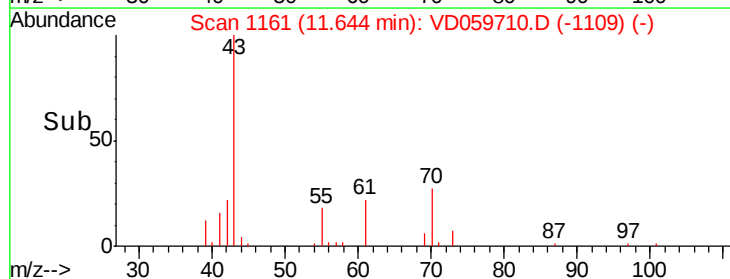
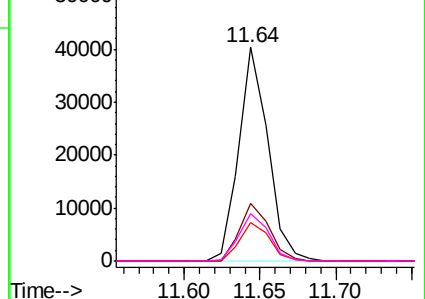


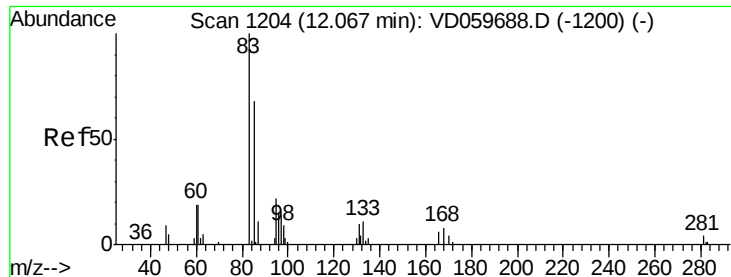
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.93 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

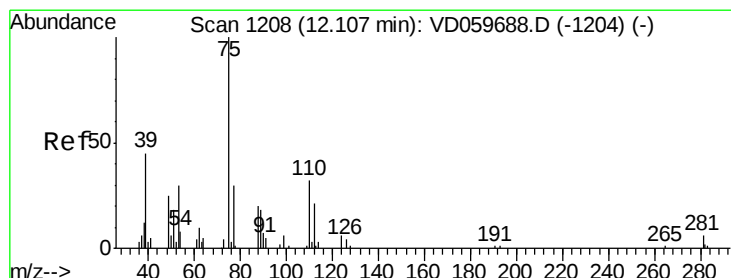
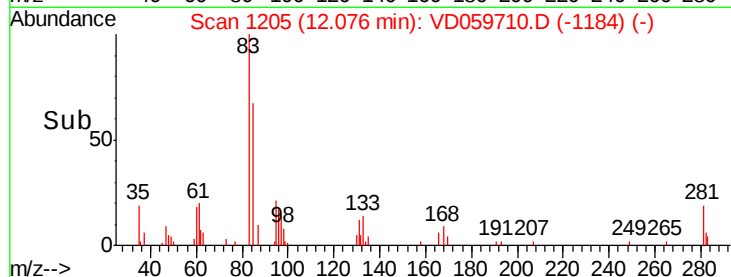
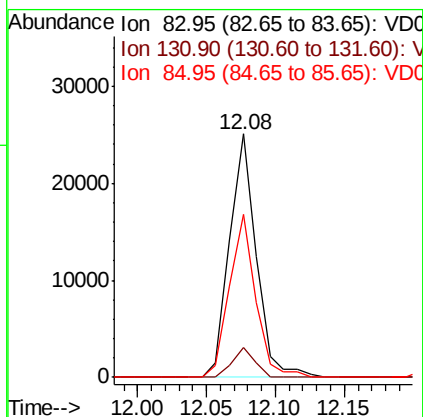
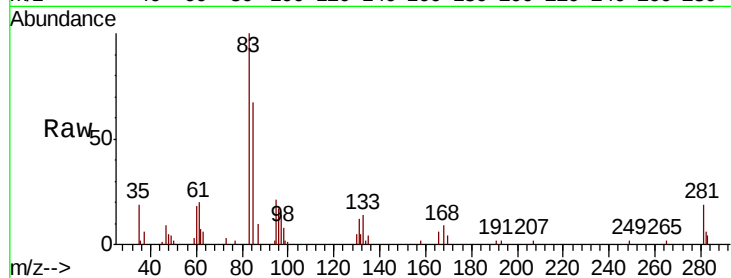
Tot Ion: 83 Resp: 33906

Ion Ratio Lower Upper

83 100

131 12.5 5.3 15.9

85 66.8 34.1 102.2



#76

1,2,3-Trichloropropane

Concen: 21.17 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VD059710.D

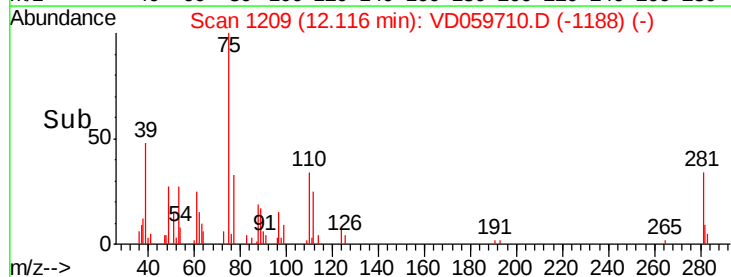
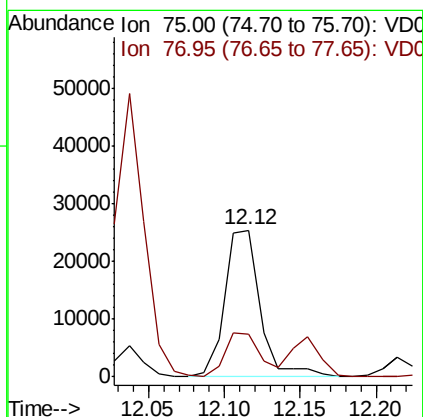
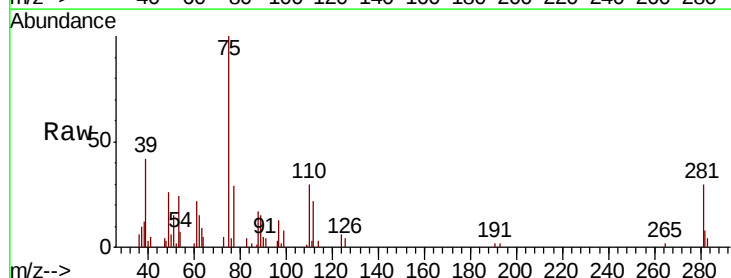
Acq: 8 Aug 2018 13:49

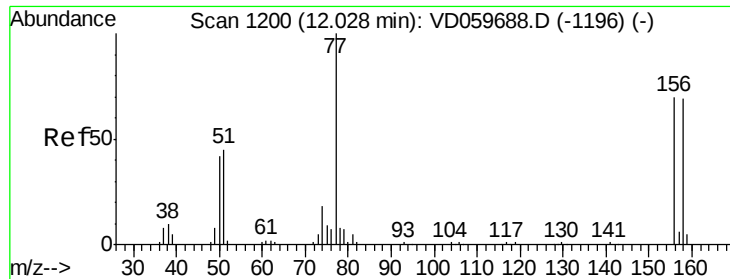
Tgt Ion: 75 Resp: 41287

Ion Ratio Lower Upper

75 100

77 29.4 15.5 46.5

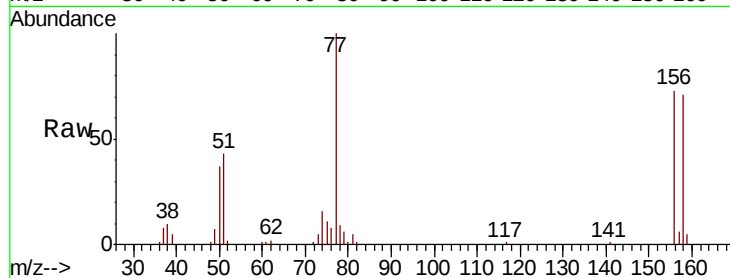




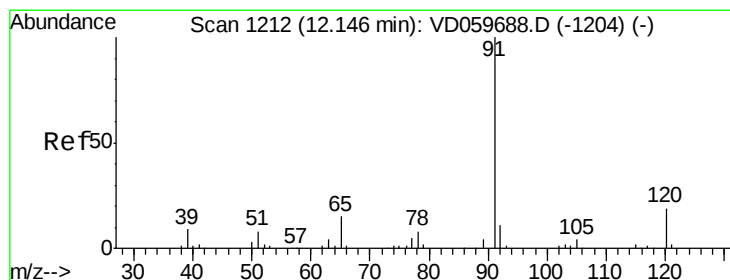
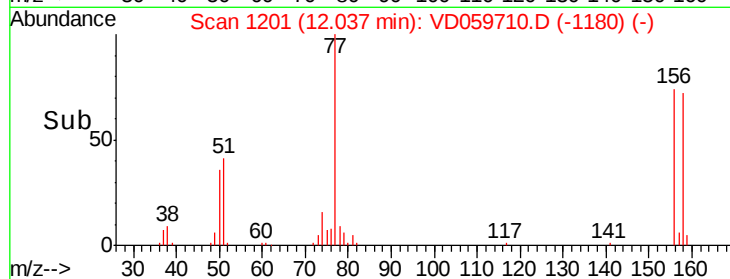
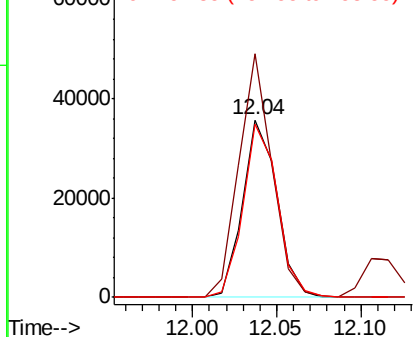
#77
Bromobenzene
Concen: 20.42 ug/l
RT: 12.04 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

Tot Ion:156 Resp: 50458
Ion Ratio Lower Upper
156 100
77 137.4 71.2 213.6
158 98.1 49.1 147.3

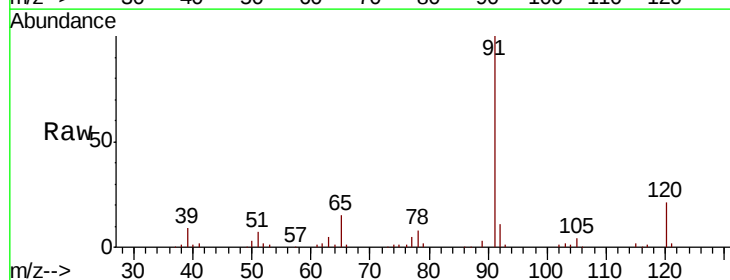


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

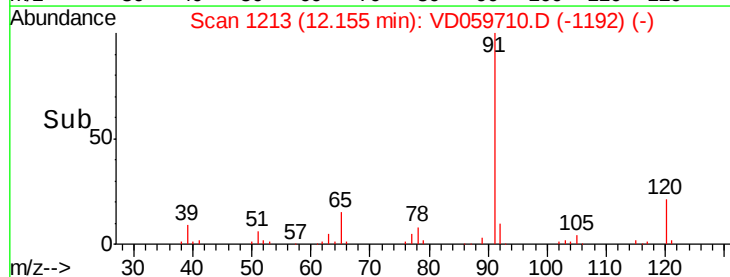
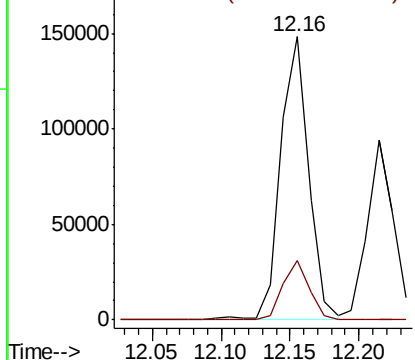


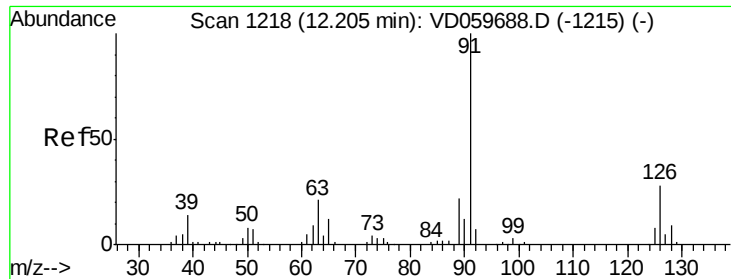
#78
n-propylbenzene
Concen: 19.75 ug/l
RT: 12.16 min Scan# 1213
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 91 Resp: 207476
Ion Ratio Lower Upper
91 100
120 21.1 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

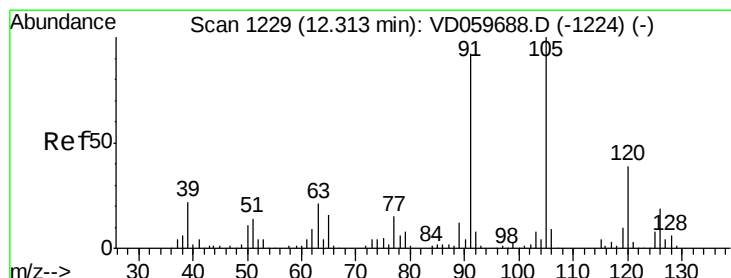
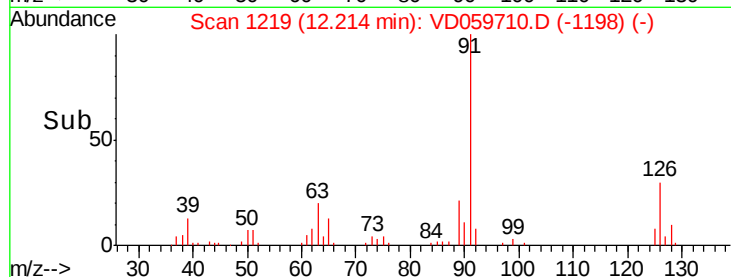
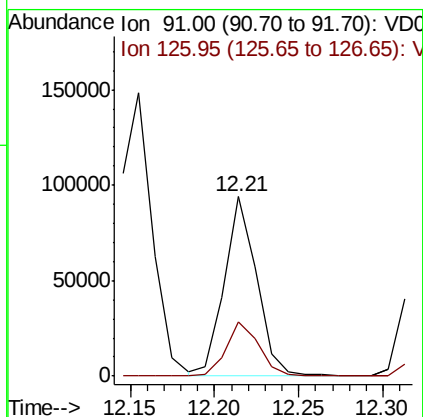
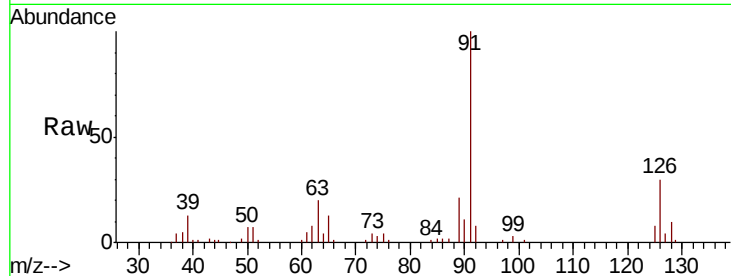




#79
2-Chlorotoluene
Concen: 19.47 ug/l
RT: 12.21 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

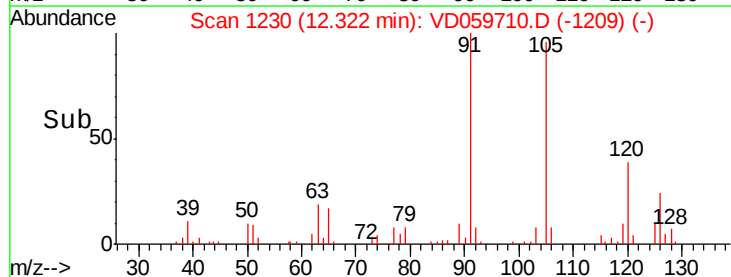
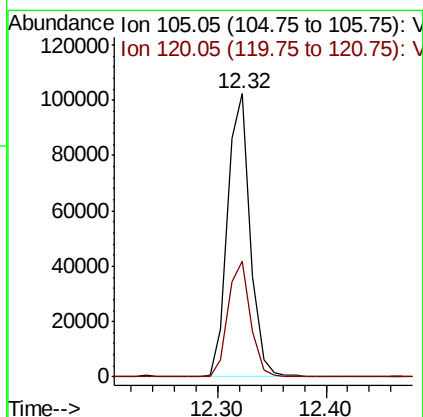
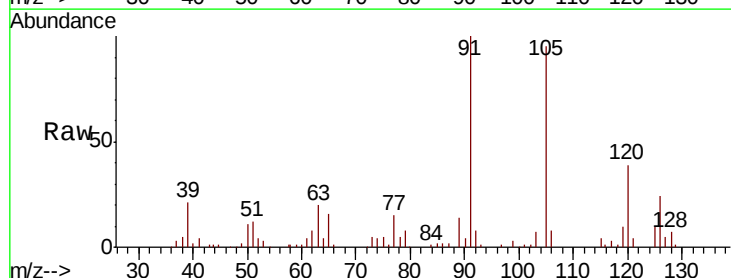
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

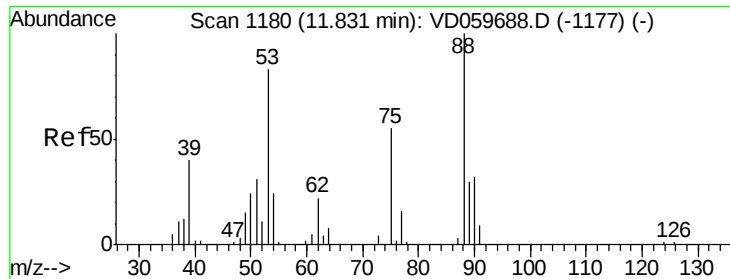
Tot Ion: 91 Resp: 123550
Ion Ratio Lower Upper
91 100
126 30.4 13.7 41.0



#80
1,3,5-Trimethylbenzene
Concen: 21.03 ug/l
RT: 12.32 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion: 105 Resp: 148533
Ion Ratio Lower Upper
105 100
120 40.9 19.7 59.1





#81

trans-1,4-Dichloro-2-butene

Concen: 19.54 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBSD01

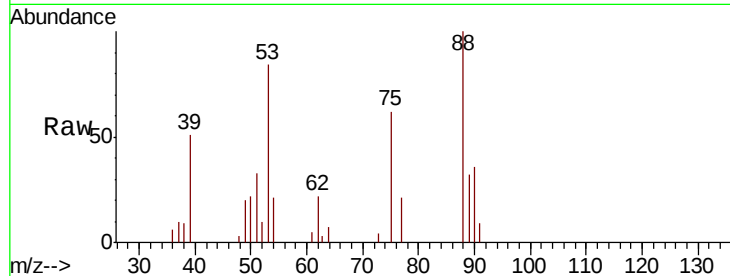
Tot Ion: 75 Resp: 9302

Ion Ratio Lower Upper

75 100

53 136.4 120.5 180.7

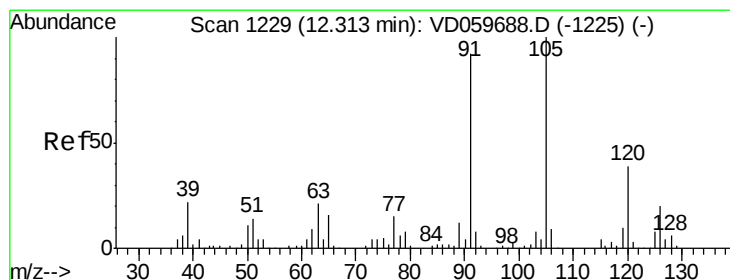
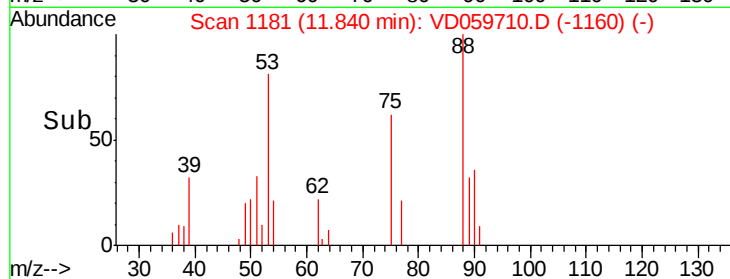
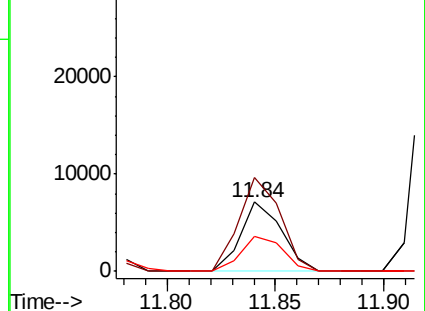
89 51.4 44.4 66.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.11 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD059710.D

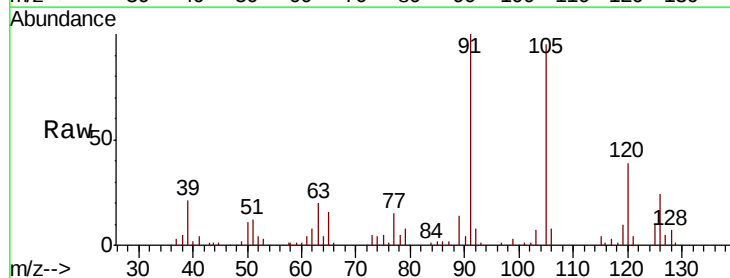
Acq: 8 Aug 2018 13:49

Tgt Ion: 91 Resp: 149381

Ion Ratio Lower Upper

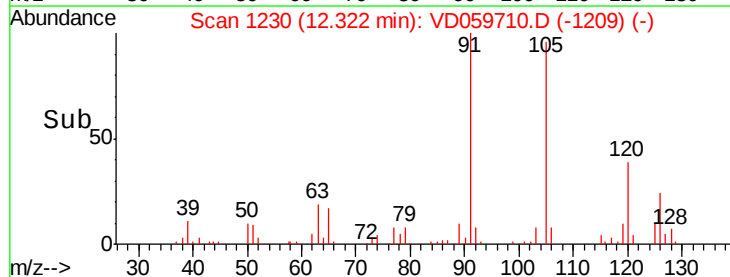
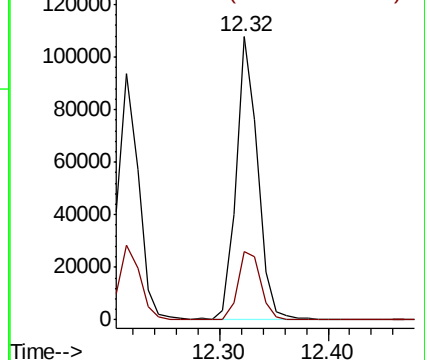
91 100

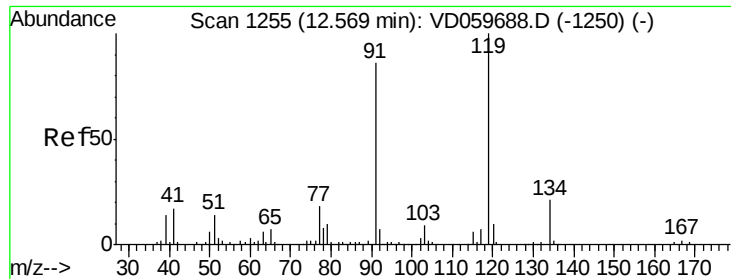
126 24.2 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

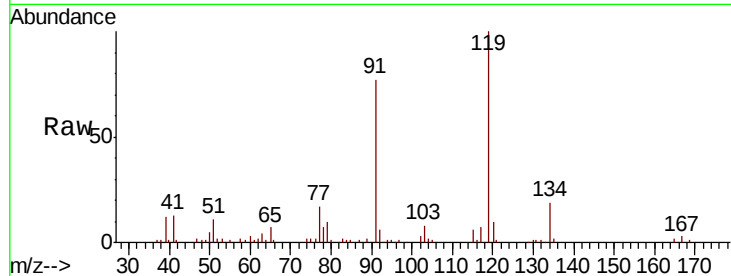




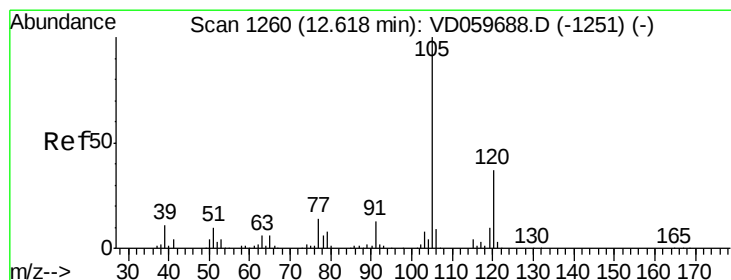
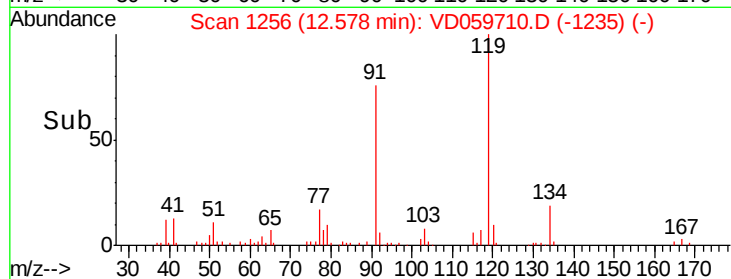
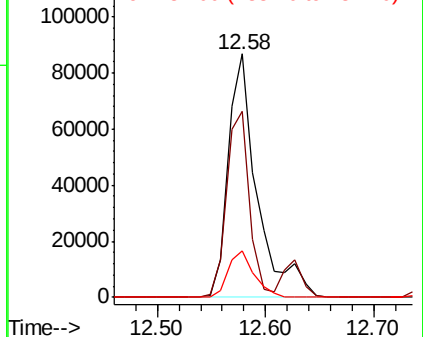
#83
tert-Butylbenzene
Concen: 20.34 ug/l
RT: 12.58 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS01

Tot Ion:119 Resp: 160753
Ion Ratio Lower Upper
119 100
91 76.6 43.3 129.9
134 19.3 10.5 31.6

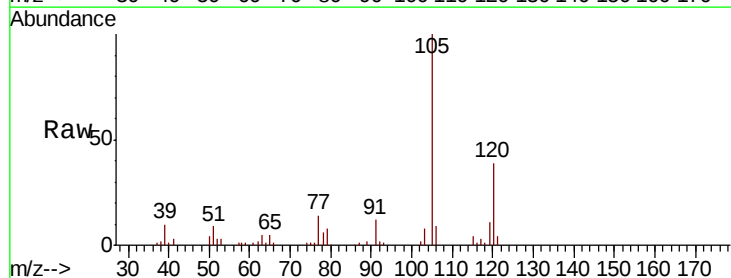


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

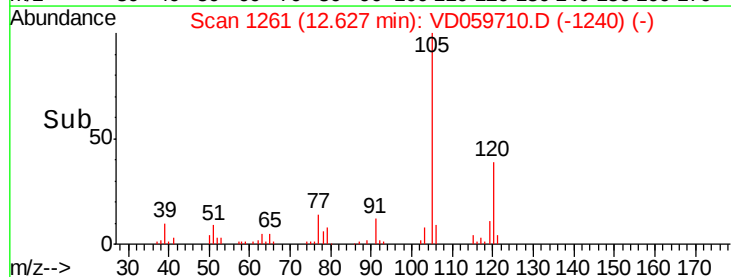
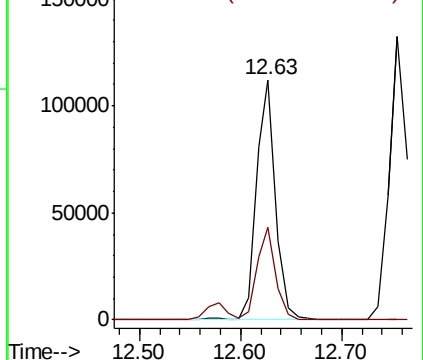


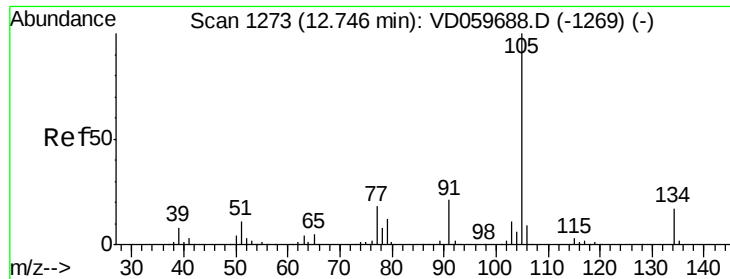
#84
1,2,4-Trimethylbenzene
Concen: 19.69 ug/l
RT: 12.63 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion:105 Resp: 147393
Ion Ratio Lower Upper
105 100
120 38.8 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: 19.55 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

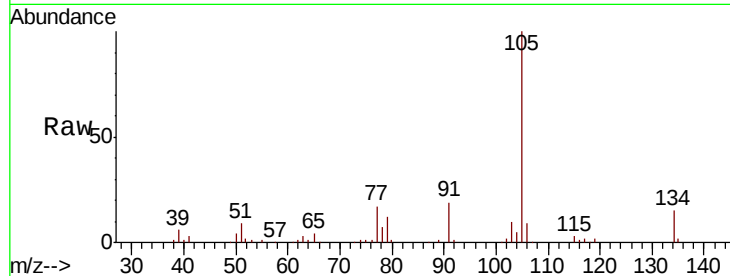
VD0808SBS01

Tot Ion:105 Resp: 171591

Ion Ratio Lower Upper

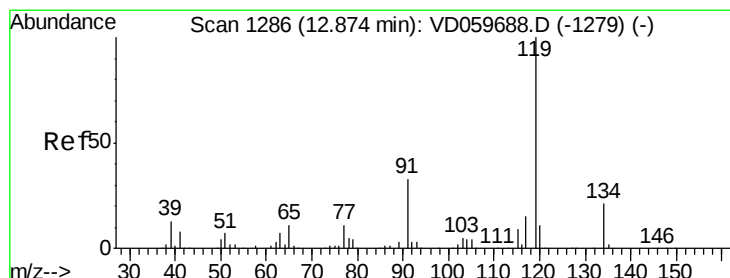
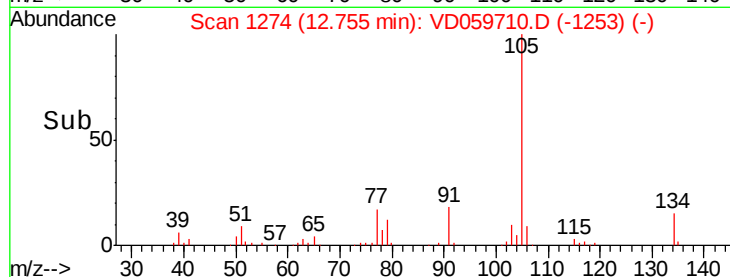
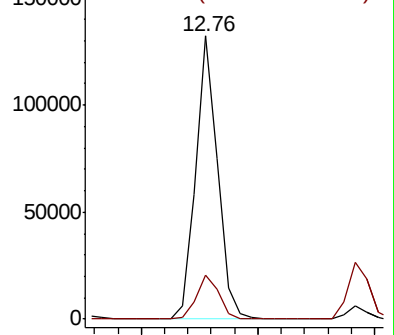
105 100

134 15.4 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: 20.39 ug/l

RT: 12.88 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

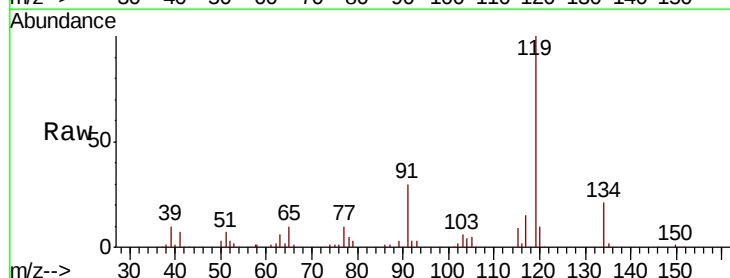
Tgt Ion:119 Resp: 152672

Ion Ratio Lower Upper

119 100

134 21.2 10.7 32.1

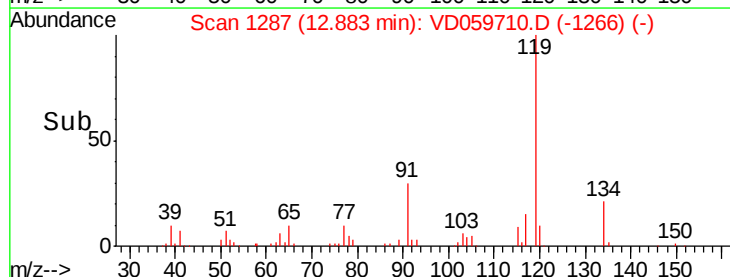
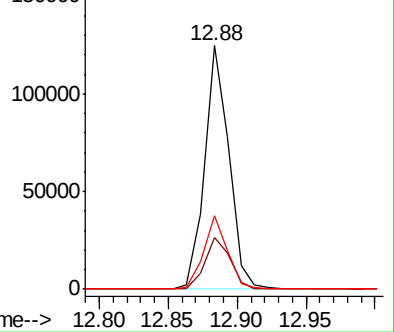
91 30.2 16.6 49.7

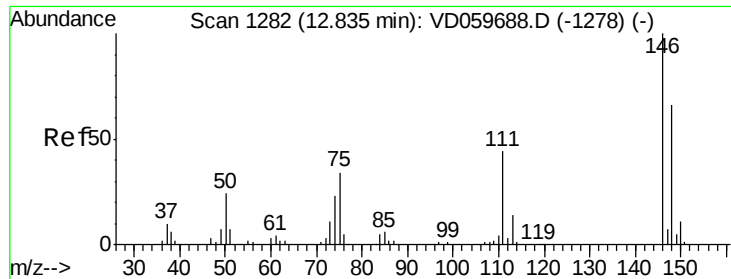


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

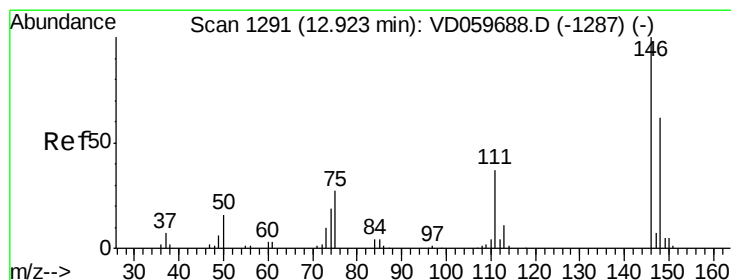
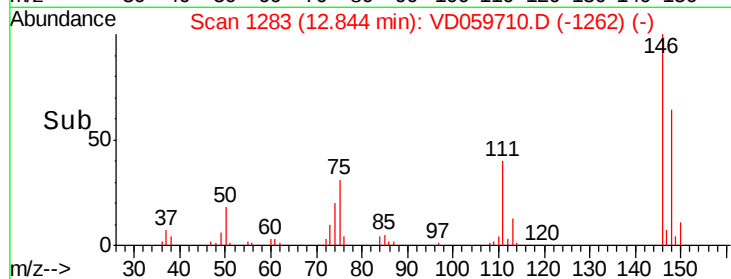
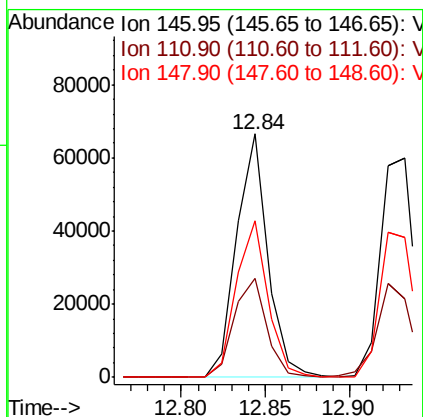
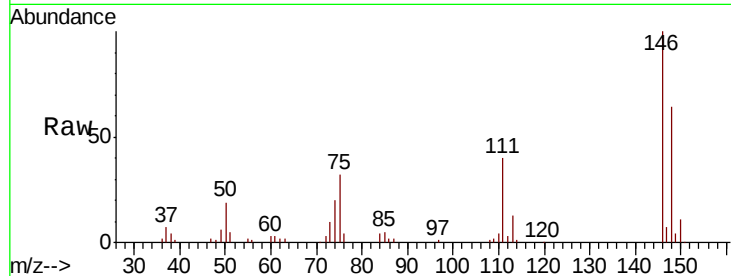




#87
 1,3-Dichlorobenzene
 Concen: 20.10 ug/l
 RT: 12.84 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

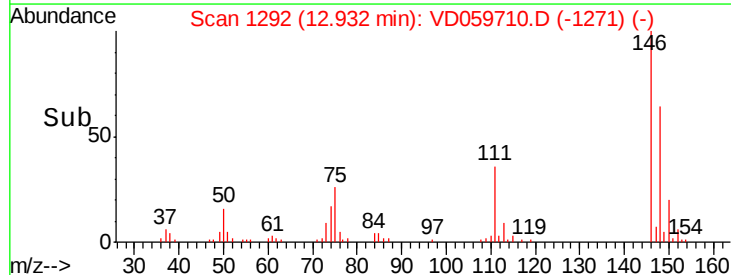
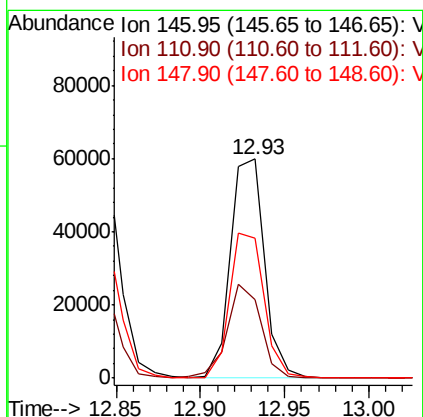
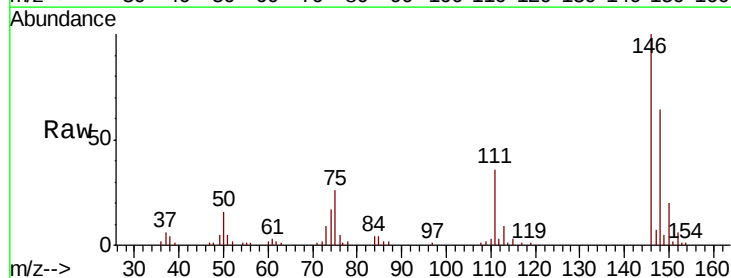
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

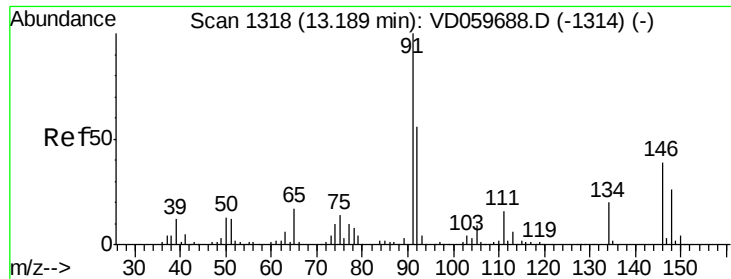
Tot Ion:146 Resp: 85752
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.8 65.4
 148 64.4 33.1 99.2



#88
 1,4-Dichlorobenzene
 Concen: 19.82 ug/l
 RT: 12.93 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Tgt Ion:146 Resp: 84359
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.6 55.8
 148 63.9 31.2 93.6





#89

n-Butylbenzene

Concen: 19.53 ug/l

RT: 13.20 min Scan# 1319

Delta R.T. 0.01 min

Lab File: VD059710.D

Acq: 8 Aug 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS01

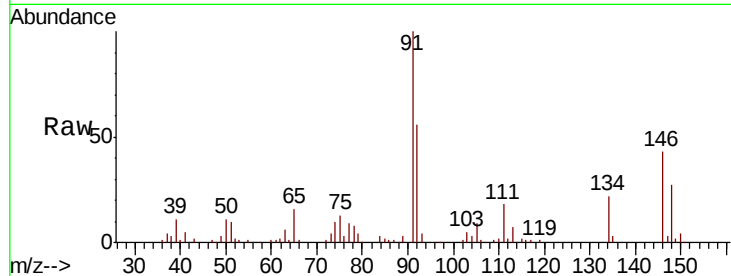
Tot Ion: 91 Resp: 148256

Ion Ratio Lower Upper

91 100

92 55.8 28.2 84.6

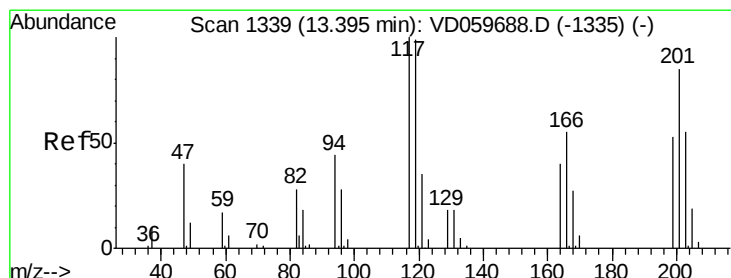
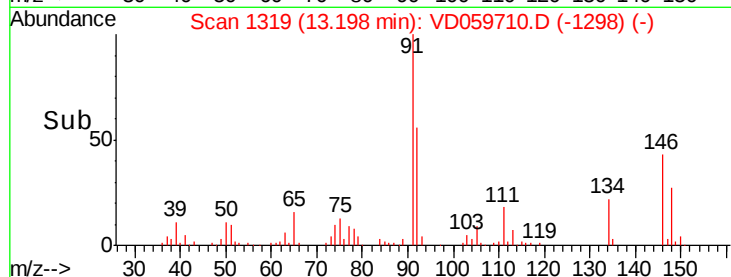
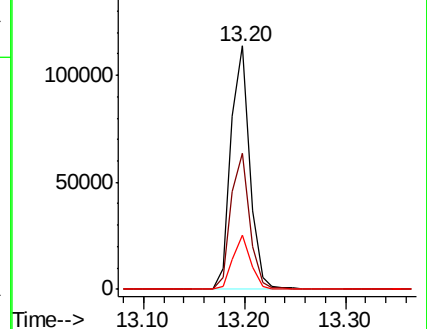
134 22.4 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 19.07 ug/l

RT: 13.40 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VD059710.D

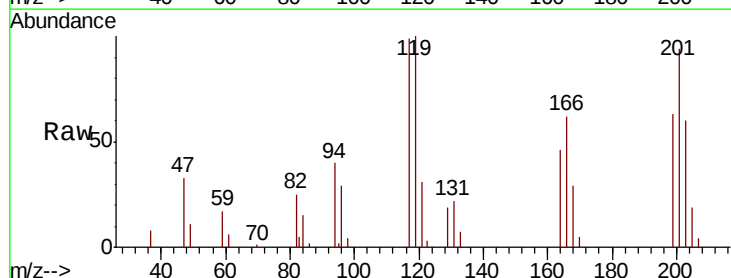
Acq: 8 Aug 2018 13:49

Tgt Ion: 117 Resp: 37002

Ion Ratio Lower Upper

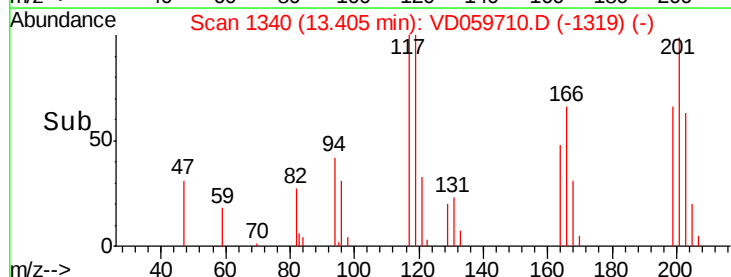
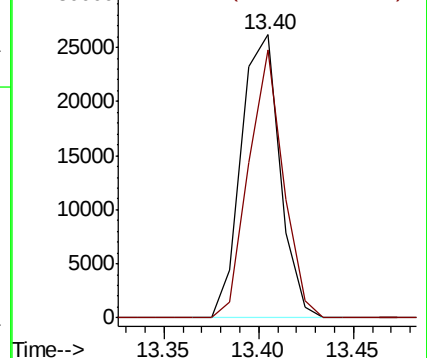
117 100

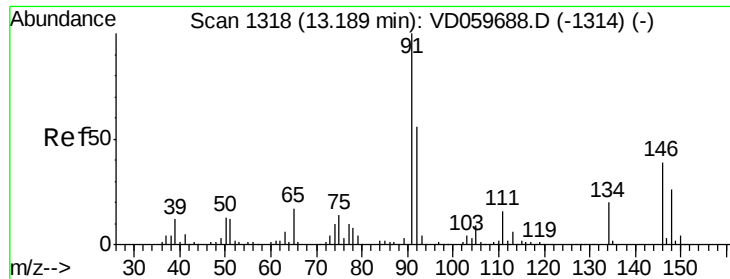
201 94.8 42.4 127.1



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

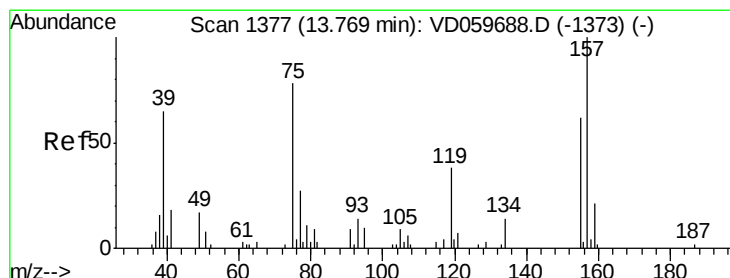
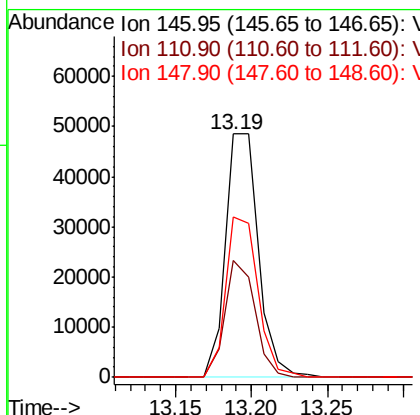
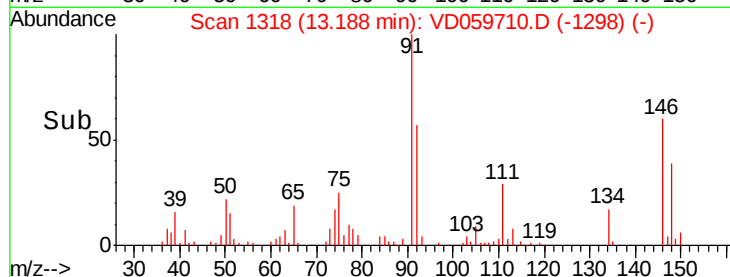
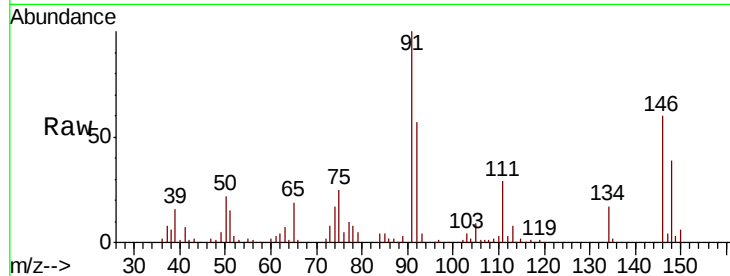




#91
 1,2-Dichlorobenzene
 Concen: 20.38 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

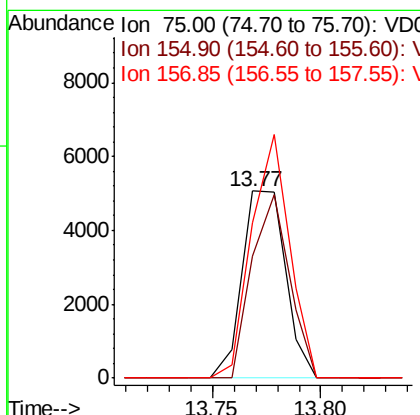
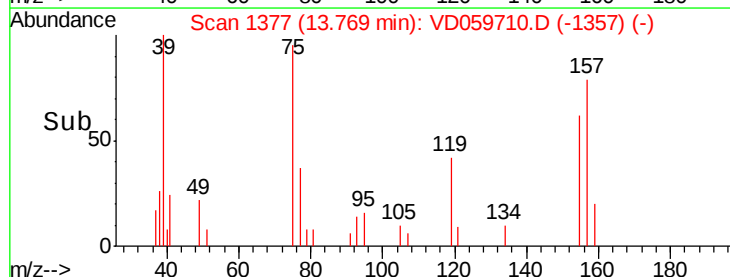
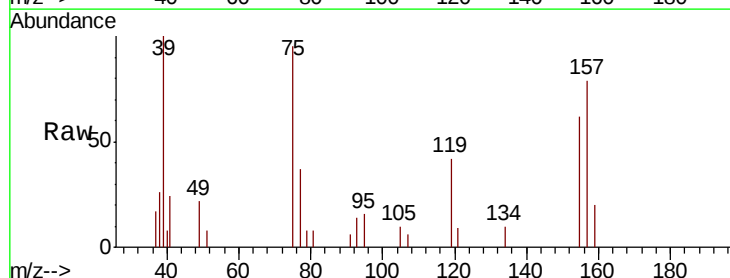
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

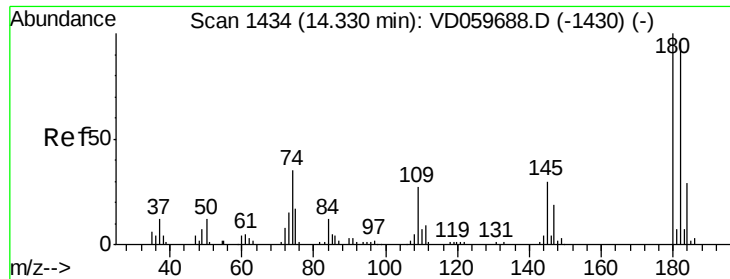
Tot Ion:146 Resp: 73218
 Ion Ratio Lower Upper
 146 100
 111 48.0 20.8 62.2
 148 65.7 33.4 100.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.83 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Tgt Ion: 75 Resp: 7046
 Ion Ratio Lower Upper
 75 100
 155 65.1 40.0 119.9
 157 83.1 64.3 192.7

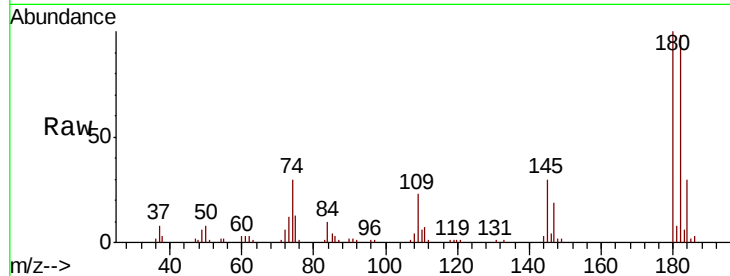




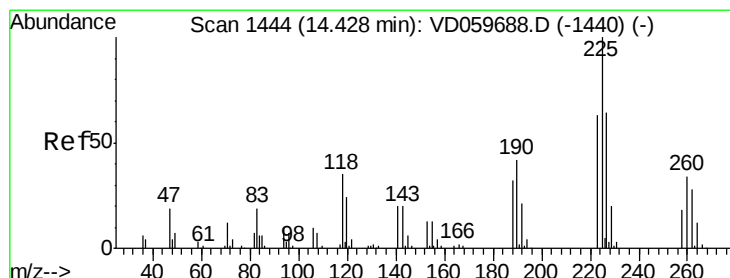
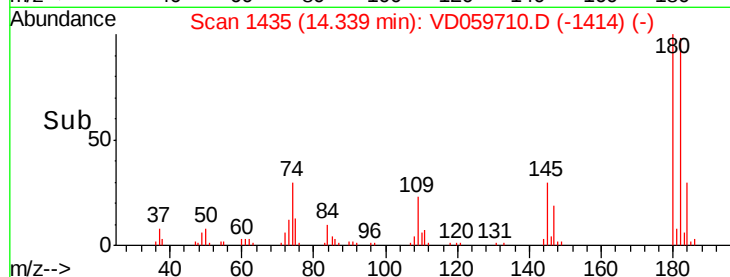
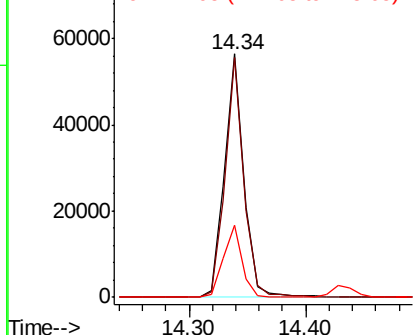
#93
 1,2,4-Trichlorobenzene
 Concen: 19.98 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBSD01

Tot Ion:180 Resp: 64553
 Ion Ratio Lower Upper
 180 100
 182 98.2 48.0 144.0
 145 29.5 14.8 44.4

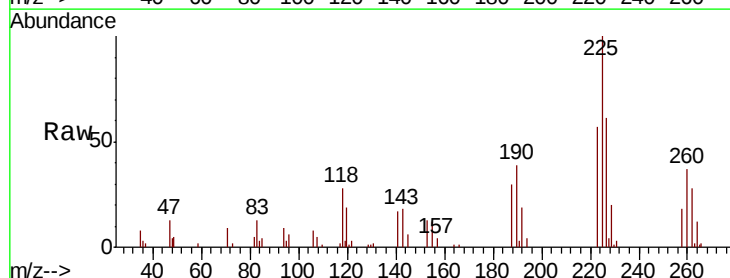


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

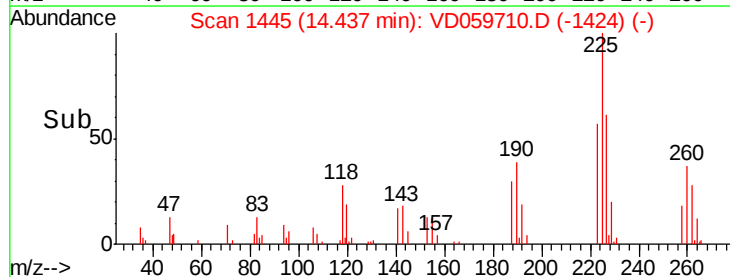
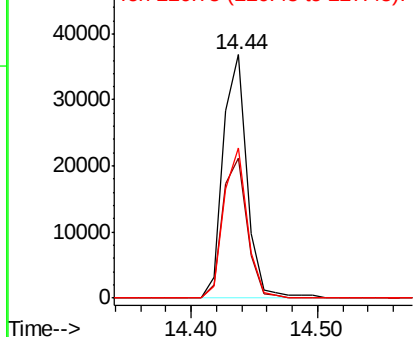


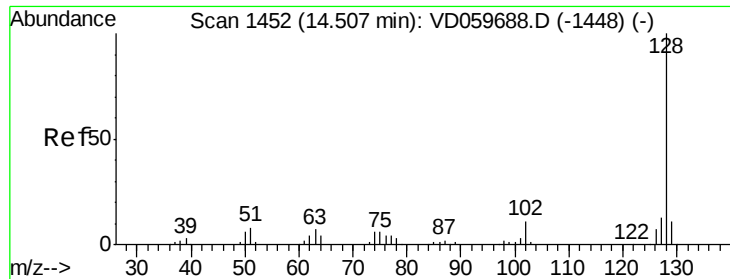
#94
 Hexachlorobutadiene
 Concen: 19.10 ug/l
 RT: 14.44 min Scan# 1445
 Delta R.T. 0.01 min
 Lab File: VD059710.D
 Acq: 8 Aug 2018 13:49

Tgt Ion:225 Resp: 47868
 Ion Ratio Lower Upper
 225 100
 223 57.5 31.4 94.3
 227 61.4 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

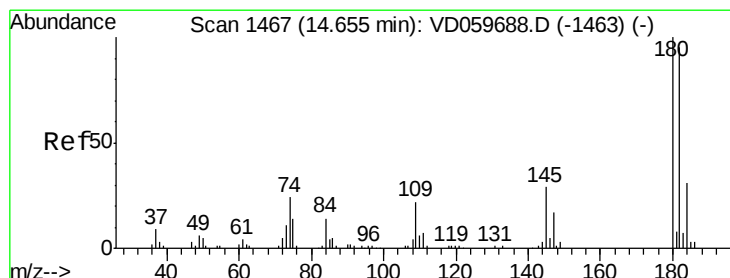
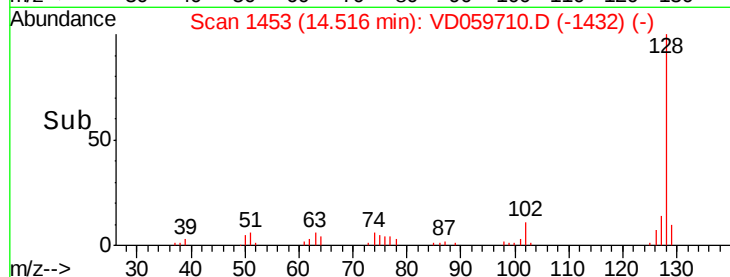
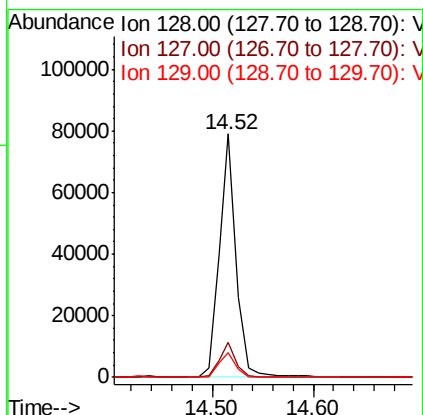
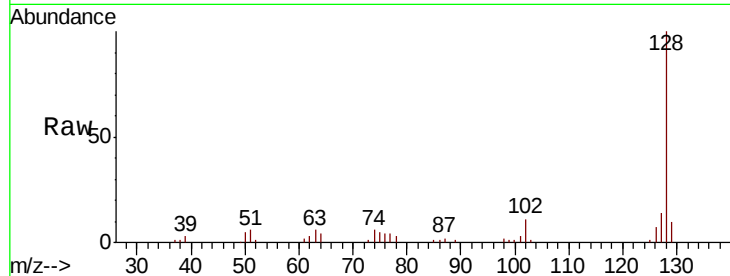




#95
Naphthalene
Concen: 19.15 ug/l
RT: 14.52 min Scan# 1453
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBSD01

Tot Ion:128 Resp: 91660
Ion Ratio Lower Upper
128 100
127 14.3 10.6 16.0
129 10.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 18.76 ug/l
RT: 14.66 min Scan# 1468
Delta R.T. 0.01 min
Lab File: VD059710.D
Acq: 8 Aug 2018 13:49

Tgt Ion:180 Resp: 53015
Ion Ratio Lower Upper
180 100
182 100.1 47.5 142.5
145 27.7 14.5 43.5

