

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081318\
 Data File : VD059743.D
 Acq On : 13 Aug 2018 19:45
 Operator : VA/AP
 Sample : VD0813SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD01

Quant Time: Aug 14 03:51:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	188322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	220368	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	182893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	101414	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.00	65	138160	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
35) Dibromofluoromethane	5.54	113	115109	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	8.70	98	232218	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	11.92	95	108844	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	49832	17.69	ug/l	95
3) Chloromethane	1.47	50	20254	18.97	ug/l #	85
4) Vinyl Chloride	1.55	62	24846	18.43	ug/l	97
5) Bromomethane	1.78	94	9111	16.09	ug/l	84
6) Chloroethane	1.86	64	11610	16.73	ug/l	100
7) Trichlorofluoromethane	2.07	101	52871	18.28	ug/l	100
8) Diethyl Ether	2.33	74	8702	18.63	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.55	101	30104	20.30	ug/l	93
10) Methyl Iodide	2.69	142	27636	17.45	ug/l	97
11) Tert butyl alcohol	3.26	59	10612	103.89	ug/l #	75
12) 1,1-Dichloroethene	2.54	96	20240	19.09	ug/l	93
13) Acrolein	2.46	56	6532	107.36	ug/l #	76
14) Allyl chloride	2.91	41	44628	19.05	ug/l	98
15) Acrylonitrile	3.35	53	25560	101.22	ug/l	90
16) Acetone	2.61	43	41173	85.50	ug/l	99
17) Carbon Disulfide	2.75	76	60272	16.96	ug/l	99
18) Methyl Acetate	2.92	43	15665	17.13	ug/l	96
19) Methyl tert-butyl Ether	3.40	73	83020	20.01	ug/l	97
20) Methylene Chloride	3.06	84	28404	20.43	ug/l	91
21) trans-1,2-Dichloroethene	3.38	96	31355	23.33	ug/l	88
22) Diisopropyl ether	4.06	45	93117	21.02	ug/l	84
23) Vinyl Acetate	4.01	43	305920	102.04	ug/l	99
24) 1,1-Dichloroethane	3.97	63	64005	19.56	ug/l #	95
25) 2-Butanone	4.82	43	43394	83.84	ug/l	96
26) 2,2-Dichloropropane	4.78	77	69136	18.07	ug/l	96
27) cis-1,2-Dichloroethene	4.79	96	31524	19.39	ug/l	92
28) Bromochloromethane	5.14	49	24937	21.17	ug/l	95
29) Tetrahydrofuran	5.18	42	20033	103.52	ug/l	97
30) Chloroform	5.31	83	84965	19.66	ug/l	95
31) Cyclohexane	5.58	56	39069	20.57	ug/l #	91
32) 1,1,1-Trichloroethane	5.50	97	81137	18.11	ug/l	98
36) 1,1-Dichloropropene	5.74	75	50895	19.90	ug/l	91
37) Ethyl Acetate	4.92	43	22313	19.84	ug/l #	93
38) Carbon Tetrachloride	5.72	117	75090	18.66	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081318\
 Data File : VD059743.D
 Acq On : 13 Aug 2018 19:45
 Operator : VA/AP
 Sample : VD0813SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0813SBS01

Quant Time: Aug 14 03:51:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	41407	21.85	ug/l	98
40) Benzene	6.00	78	91374	20.50	ug/l	100
41) Methacrylonitrile	5.12	41	10193	19.28	ug/l	94
42) 1,2-Dichloroethane	6.12	62	66745	18.88	ug/l	99
43) Isopropyl Acetate	7.61	43	29338	20.70	ug/l #	85
44) Trichloroethene	6.98	130	36929	20.54	ug/l	94
45) 1,2-Dichloropropane	7.34	63	23020	20.28	ug/l	93
46) Dibromomethane	7.45	93	22764	18.88	ug/l	95
47) Bromodichloromethane	7.73	83	61486	19.30	ug/l	95
48) Methyl methacrylate	7.50	41	19531	18.88	ug/l	95
49) 1,4-Dioxane	7.48	88	2677	366.07	ug/l #	88
51) 4-Methyl-2-Pentanone	8.59	43	99723	91.28	ug/l	91
52) Toluene	8.80	92	62362	21.76	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	48076	18.78	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	48307	19.66	ug/l	100
55) 1,1,2-Trichloroethane	9.45	97	22936	20.29	ug/l	97
56) Ethyl methacrylate	9.31	69	26025	20.21	ug/l #	86
57) 1,3-Dichloropropane	9.66	76	43534	23.14	ug/l #	87
58) 2-Chloroethyl Vinyl ether	8.18	63	64496	108.13	ug/l	98
59) 2-Hexanone	9.78	43	74129	90.68	ug/l	98
60) Dibromochloromethane	9.96	129	39703	18.21	ug/l	94
61) 1,2-Dibromoethane	10.08	107	29123	20.61	ug/l	98
64) Tetrachloroethene	9.50	164	34706	19.33	ug/l	96
65) Chlorobenzene	10.71	112	76590	20.52	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.84	131	35739	18.90	ug/l	94
67) Ethyl Benzene	10.85	91	140477	20.09	ug/l	94
68) m/p-Xylenes	11.01	106	92503	41.26	ug/l	94
69) o-Xylene	11.40	106	41666	19.11	ug/l	97
70) Styrene	11.42	104	75069	21.02	ug/l	97
71) Bromoform	11.60	173	26109	18.26	ug/l	99
73) Isopropylbenzene	11.77	105	142208	20.64	ug/l	99
74) N-amyl acetate	11.64	43	37897	19.19	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.07	83	25320	20.14	ug/l	100
76) 1,2,3-Trichloropropane	12.11	75	31497	21.00	ug/l	91
77) Bromobenzene	12.03	156	41071	20.41	ug/l	96
78) n-propylbenzene	12.15	91	168618	20.15	ug/l	97
79) 2-Chlorotoluene	12.21	91	103958	19.62	ug/l	95
80) 1,3,5-Trimethylbenzene	12.32	105	117409	19.67	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	6879	20.36	ug/l	87
82) 4-Chlorotoluene	12.32	91	123535	19.77	ug/l	91
83) tert-Butylbenzene	12.57	119	129867	20.00	ug/l	91
84) 1,2,4-Trimethylbenzene	12.62	105	123290	20.02	ug/l	95
85) sec-Butylbenzene	12.75	105	146362	21.21	ug/l	98
86) p-Isopropyltoluene	12.88	119	118522	19.06	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	70868	20.80	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	68428	20.09	ug/l	98
89) n-Butylbenzene	13.19	91	123099	20.02	ug/l	99
90) Hexachloroethane	13.40	117	31235	19.36	ug/l	91
91) 1,2-Dichlorobenzene	13.19	146	59698	20.63	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	6176	19.72	ug/l	96

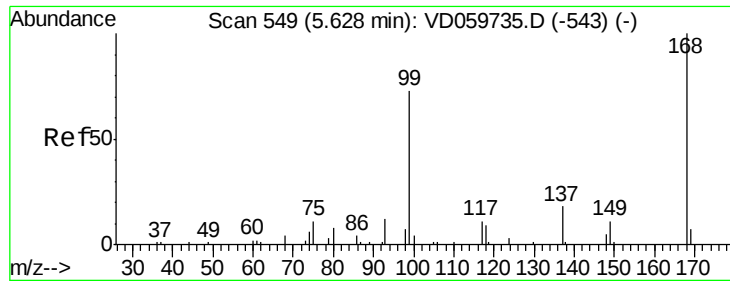
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081318\
Data File : VD059743.D
Acq On : 13 Aug 2018 19:45
Operator : VA/AP
Sample : VD0813SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

Quant Time: Aug 14 03:51:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 11 05:42:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	50477	18.37	ug/l	98
94) Hexachlorobutadiene	14.43	225	41541	18.04	ug/l	95
95) Naphthalene	14.51	128	71907	19.43	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	42694	18.17	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

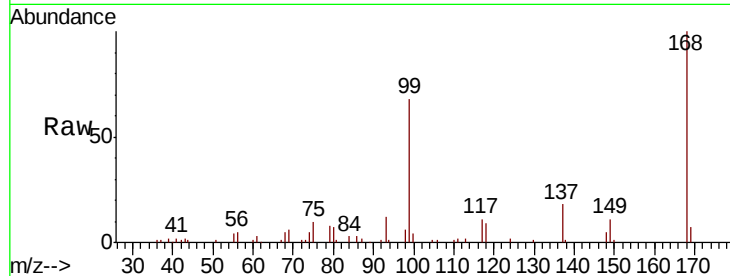
VD0813SBSD01

Tot Ion:168 Resp: 188322

Ion Ratio Lower Upper

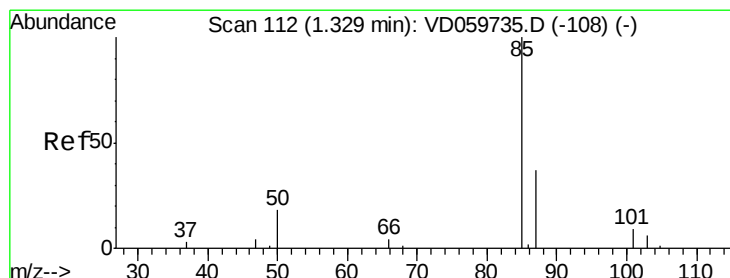
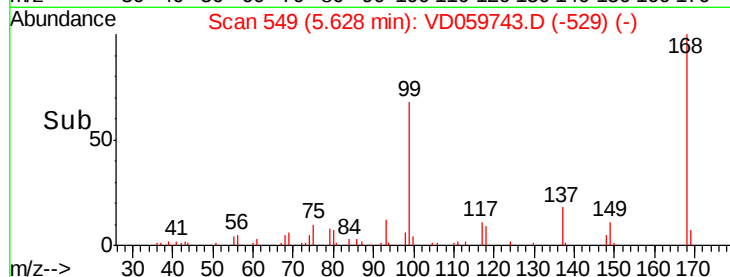
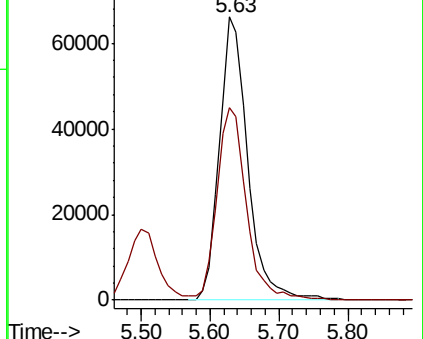
168 100

99 68.1 61.4 92.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.69 ug/l

RT: 1.33 min Scan# 112

Delta R.T. 0.00 min

Lab File: VD059743.D

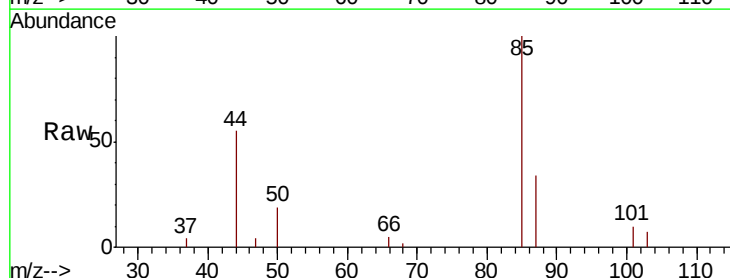
Acq: 13 Aug 2018 19:45

Tgt Ion: 85 Resp: 49832

Ion Ratio Lower Upper

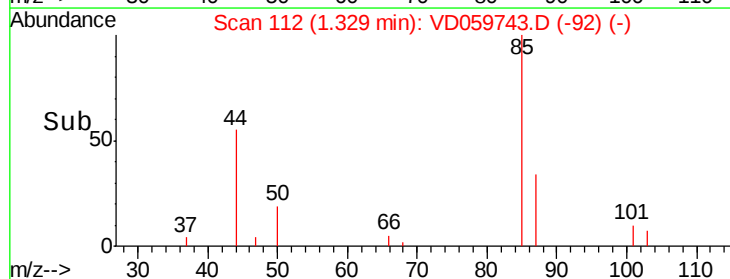
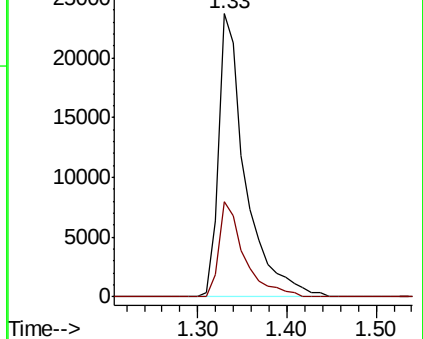
85 100

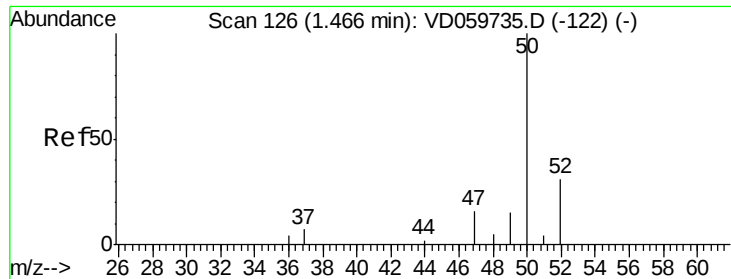
87 33.5 18.3 54.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.97 ug/l

RT: 1.47 min Scan# 126

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

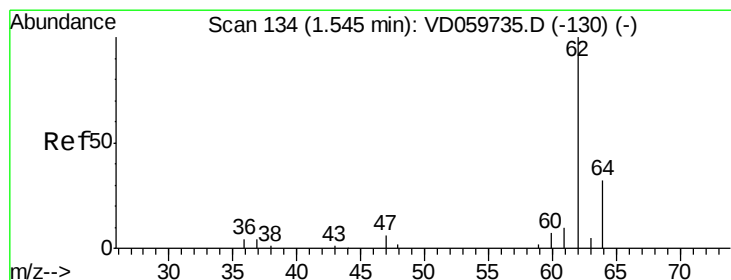
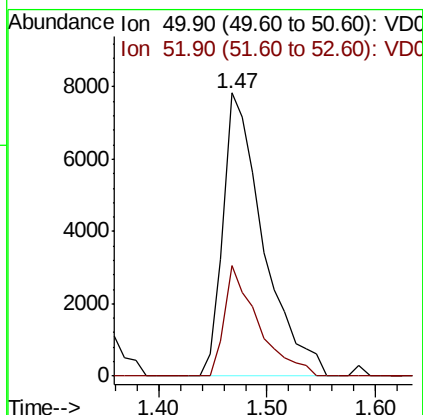
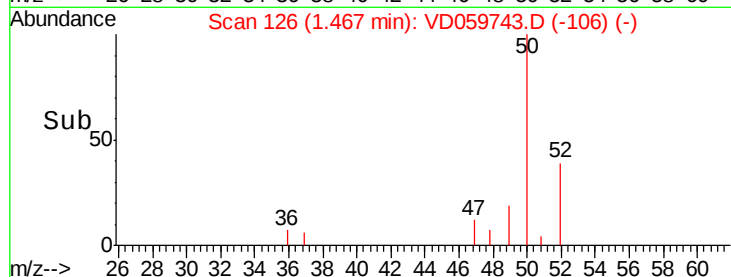
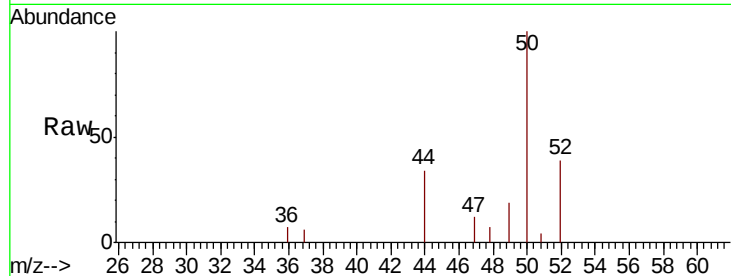
VD0813SBSD01

Tot Ion: 50 Resp: 20254

Ion Ratio Lower Upper

50 100

52 39.1 24.8 37.2#



#4

Vinyl Chloride

Concen: 18.43 ug/l

RT: 1.55 min Scan# 134

Delta R.T. 0.00 min

Lab File: VD059743.D

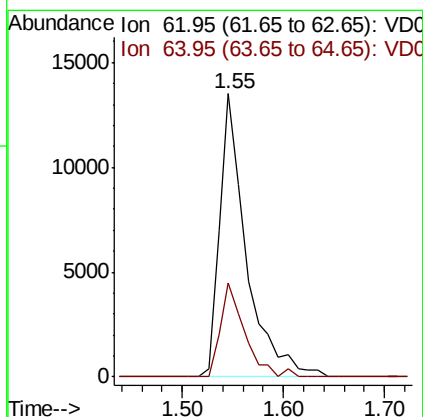
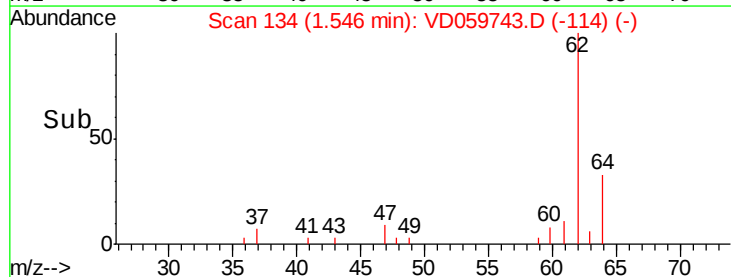
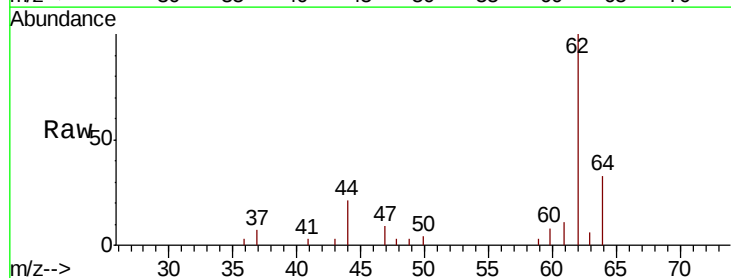
Acq: 13 Aug 2018 19:45

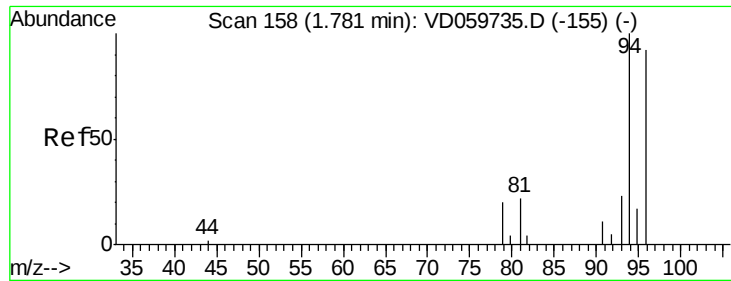
Tgt Ion: 62 Resp: 24846

Ion Ratio Lower Upper

62 100

64 33.0 25.3 37.9





#5

Bromomethane

Concen: 16.09 ug/l

RT: 1.78 min Scan# 158

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

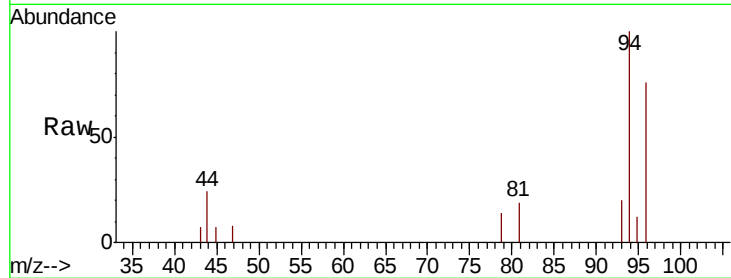
VD0813SBSD01

Tot Ion: 94 Resp: 9111

Ion Ratio Lower Upper

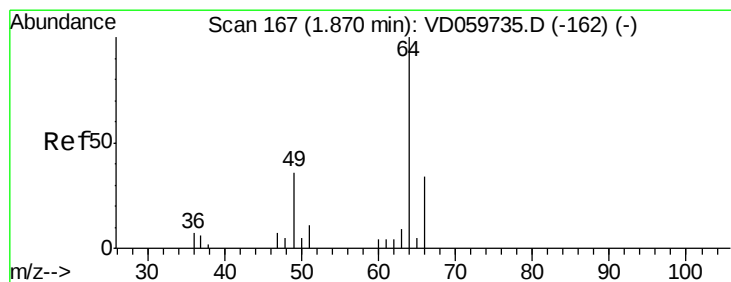
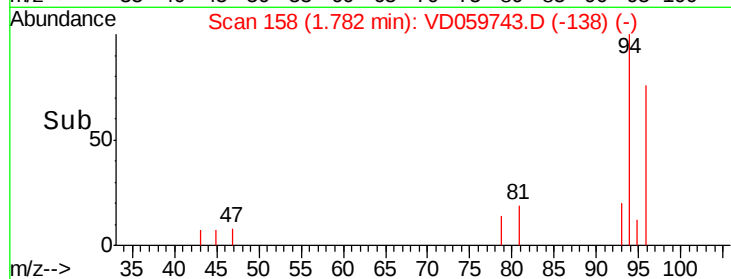
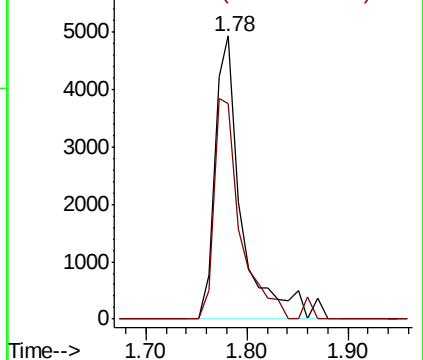
94 100

96 76.1 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.73 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD059743.D

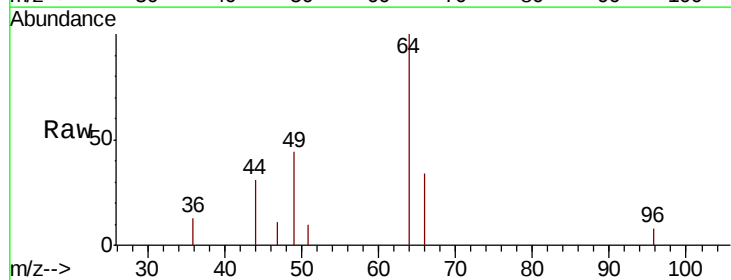
Acq: 13 Aug 2018 19:45

Tgt Ion: 64 Resp: 11610

Ion Ratio Lower Upper

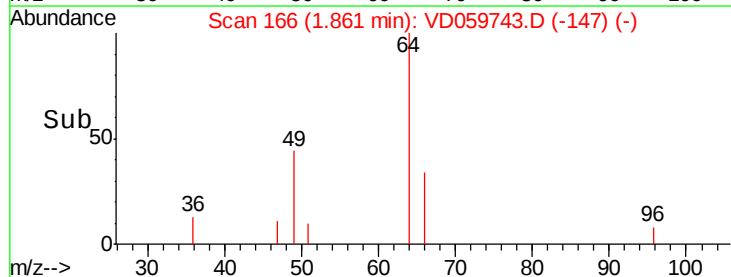
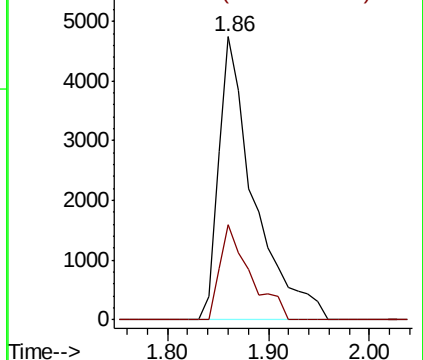
64 100

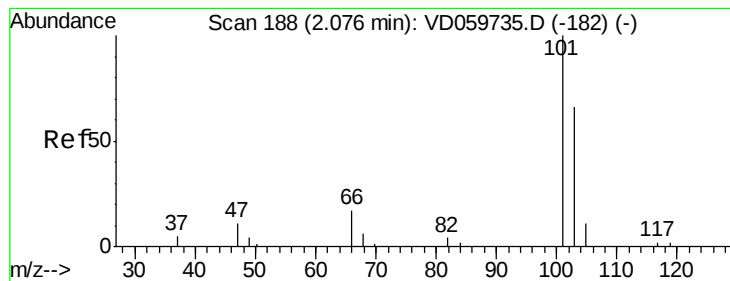
66 33.6 26.9 40.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



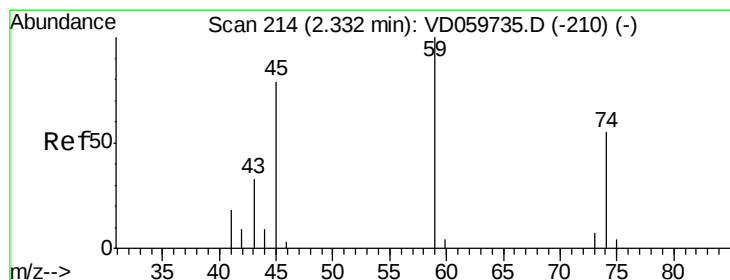
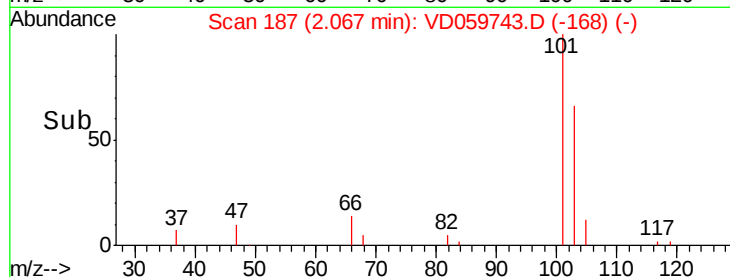
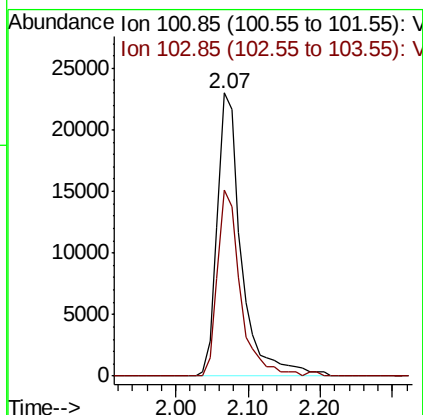
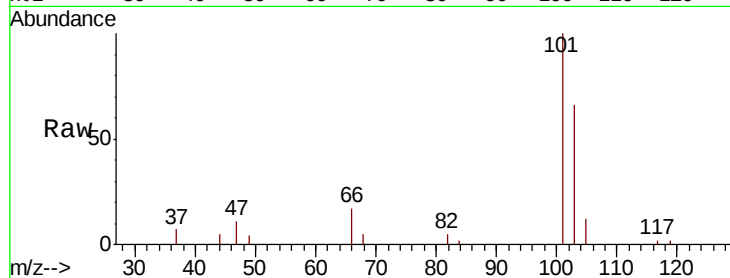


#7

Trichlorofluoromethane
 Concen: 18.28 ug/l
 RT: 2.07 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD01

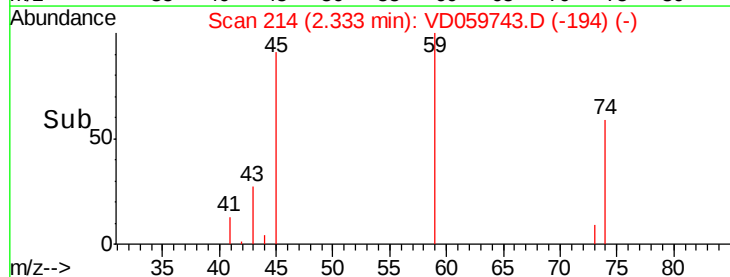
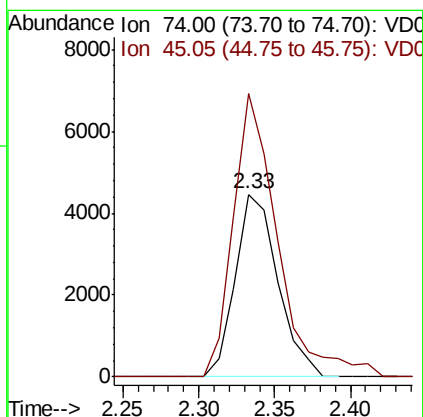
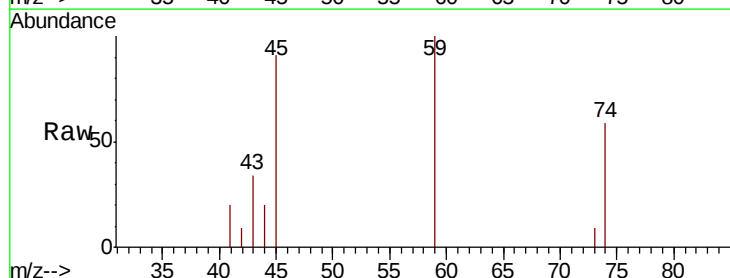
Tot Ion:101 Resp: 52871
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.4 78.6

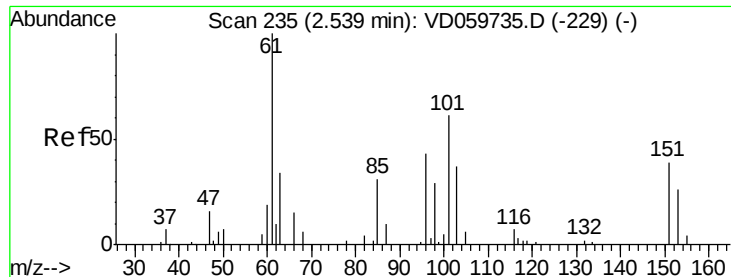


#8

Diethyl Ether
 Concen: 18.63 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

Tgt Ion: 74 Resp: 8702
 Ion Ratio Lower Upper
 74 100
 45 155.3 71.1 213.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.30 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBSD01

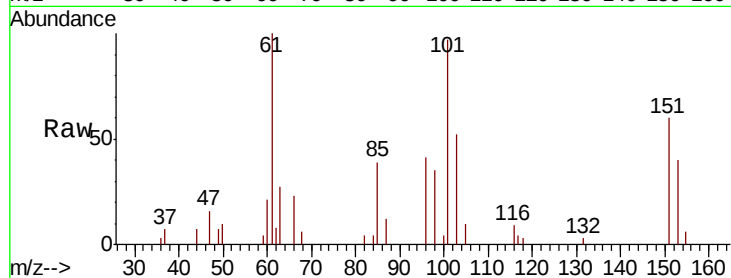
Tot Ion:101 Resp: 30104

Ion Ratio Lower Upper

101 100

85 40.0 39.7 59.5

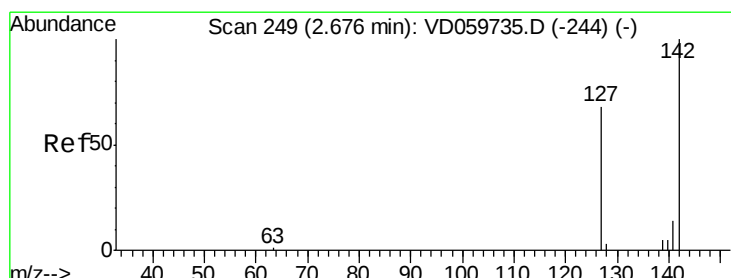
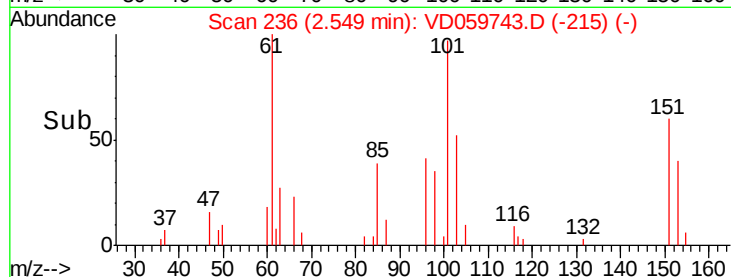
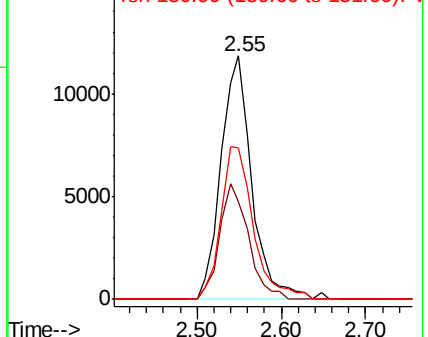
151 62.0 50.8 76.2



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: 17.45 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.01 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

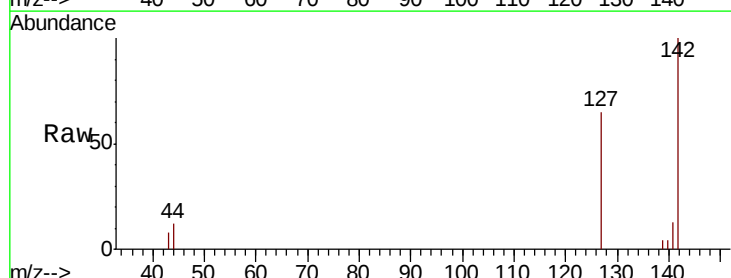
Tgt Ion:142 Resp: 27636

Ion Ratio Lower Upper

142 100

127 65.3 54.0 81.0

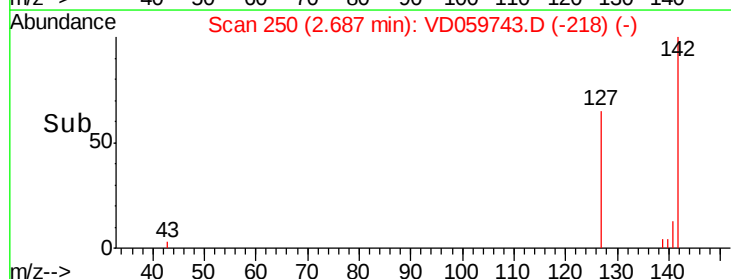
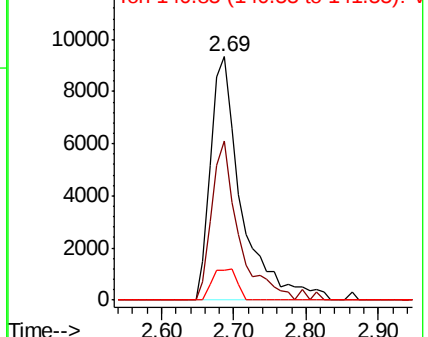
141 12.5 11.0 16.4

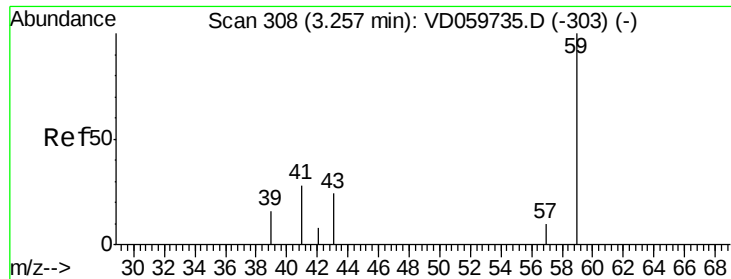


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

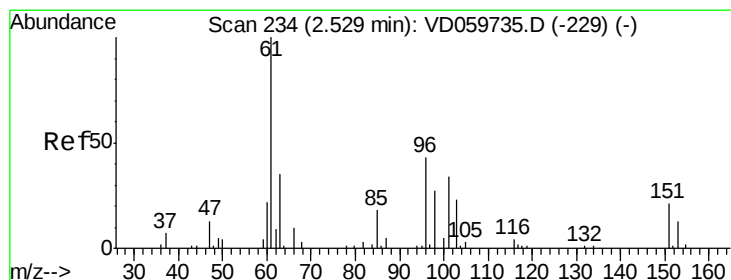
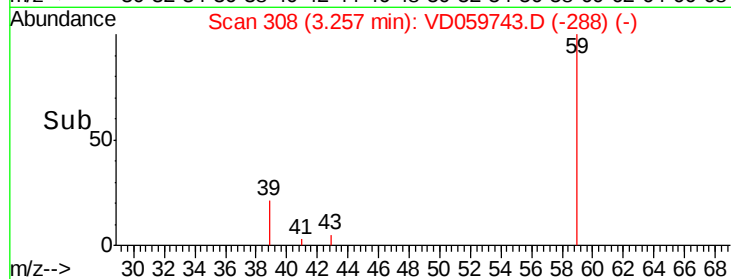
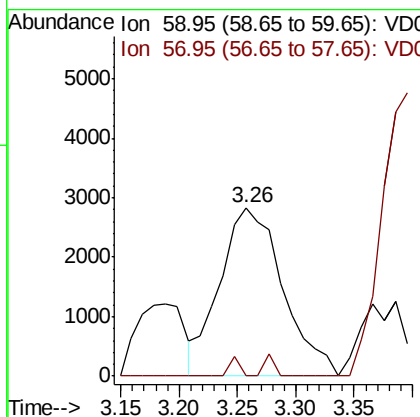
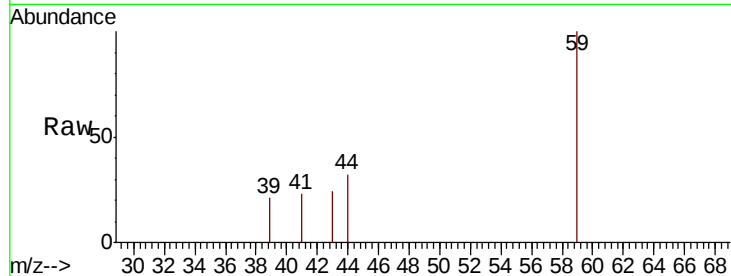




#11
Tert butyl alcohol
Concen: 103.89 ug/l
RT: 3.26 min Scan# 308
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

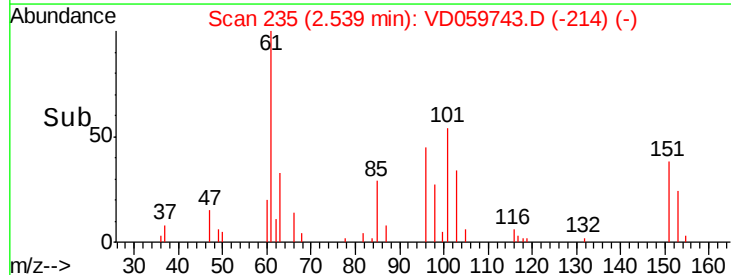
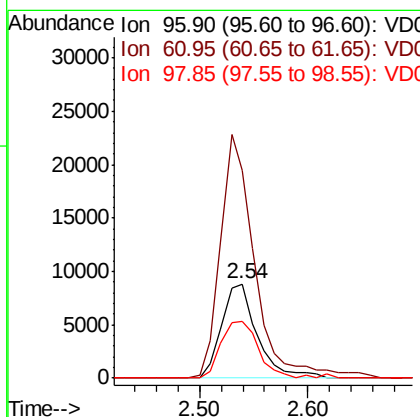
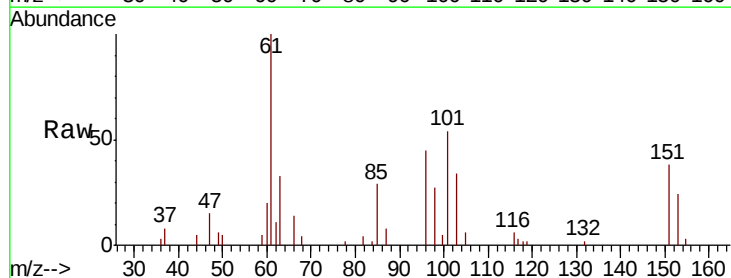
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

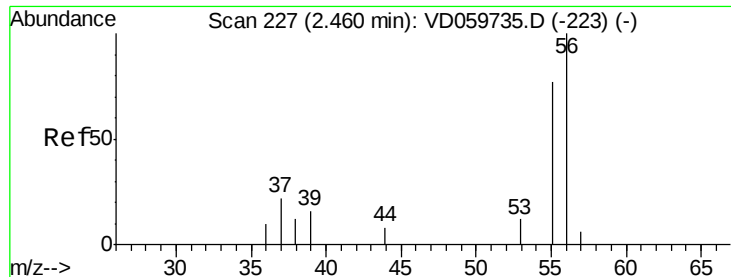
Tot Ion: 59 Resp: 10612
Ion Ratio Lower Upper
59 100
57 0.0 7.3 10.9#



#12
1,1-Dichloroethene
Concen: 19.09 ug/l
RT: 2.54 min Scan# 235
Delta R.T. 0.01 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion: 96 Resp: 20240
Ion Ratio Lower Upper
96 100
61 220.9 187.2 280.8
98 60.4 50.4 75.6





#13

Acrolein

Concen: 107.36 ug/l

RT: 2.46 min Scan# 227

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

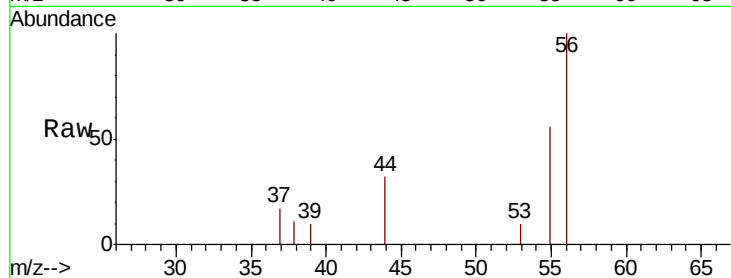
VD0813SBSD01

Tot Ion: 56 Resp: 6532

Ion Ratio Lower Upper

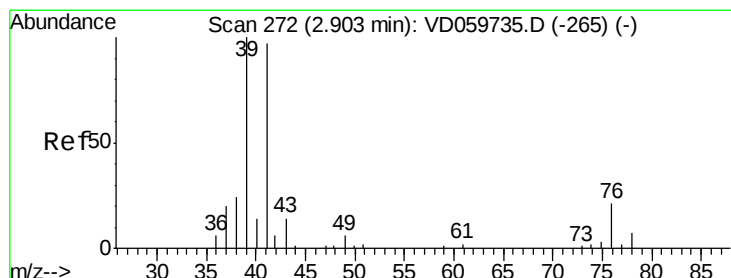
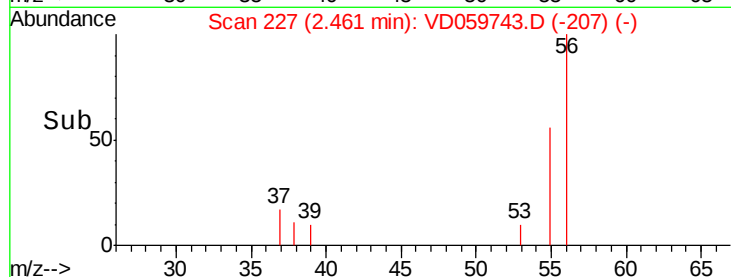
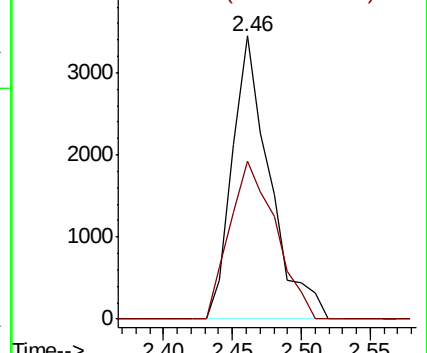
56 100

55 55.8 61.4 92.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.05 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.01 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

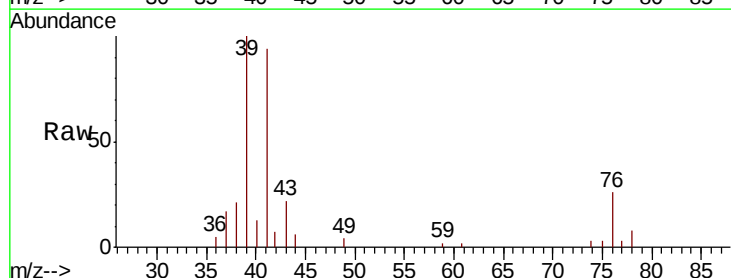
Tgt Ion: 41 Resp: 44628

Ion Ratio Lower Upper

41 100

39 106.6 82.9 124.3

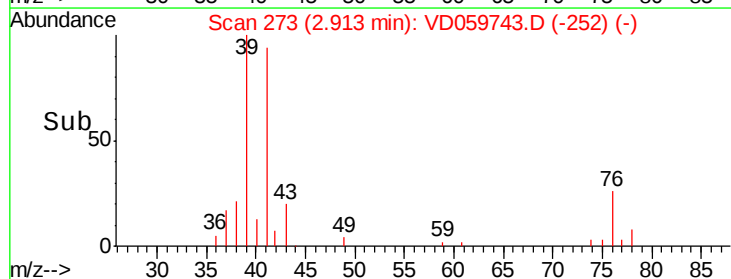
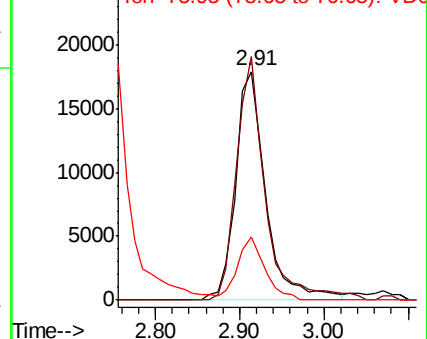
76 27.8 22.2 33.2

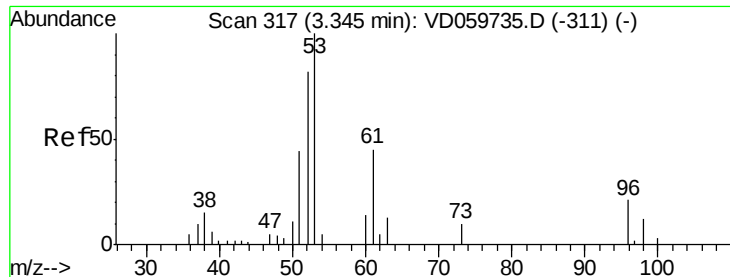


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 101.22 ug/l

RT: 3.35 min Scan# 317

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBSD01

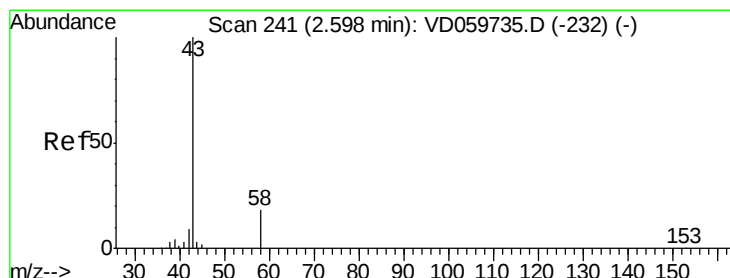
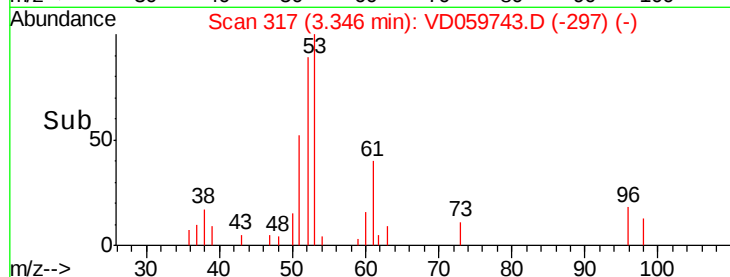
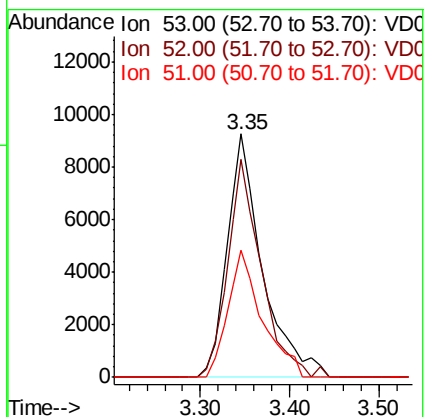
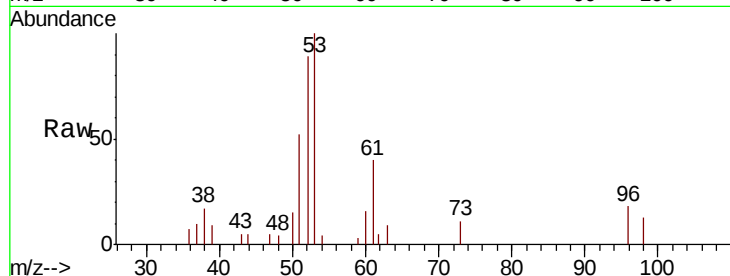
Tot Ion: 53 Resp: 25560

Ion Ratio Lower Upper

53 100

52 89.4 65.8 98.6

51 52.2 35.1 52.7



#16

Acetone

Concen: 85.50 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD059743.D

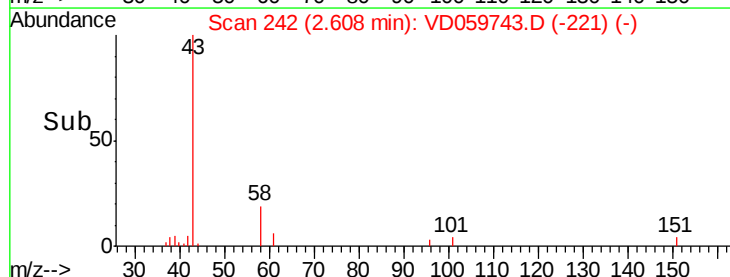
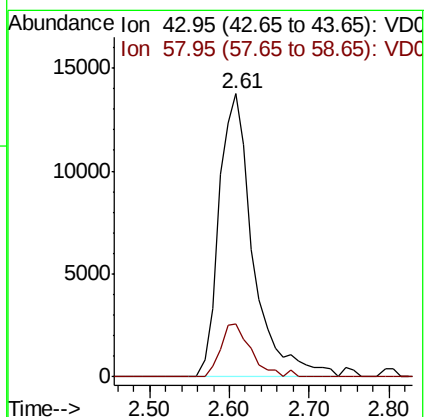
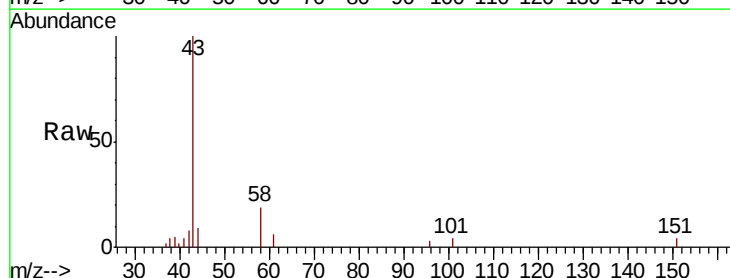
Acq: 13 Aug 2018 19:45

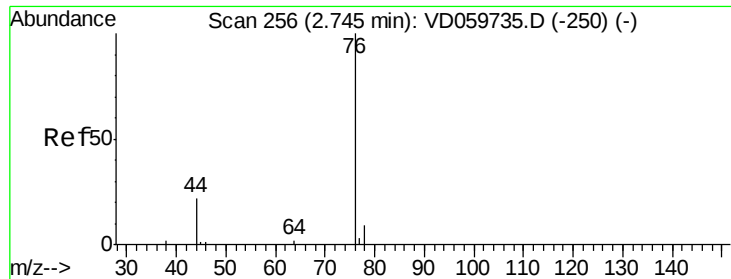
Tgt Ion: 43 Resp: 41173

Ion Ratio Lower Upper

43 100

58 18.5 14.6 21.8

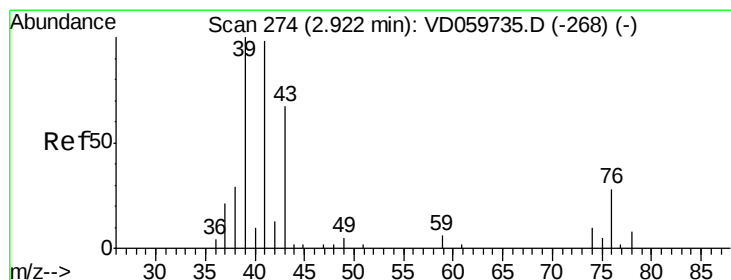
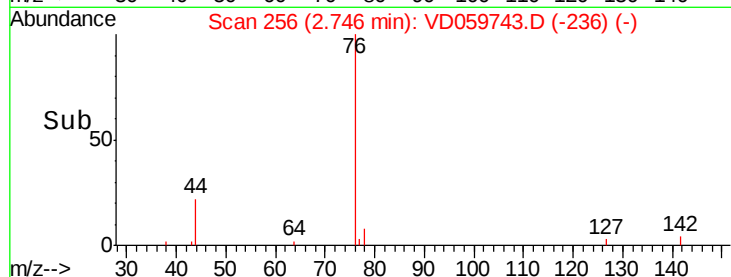
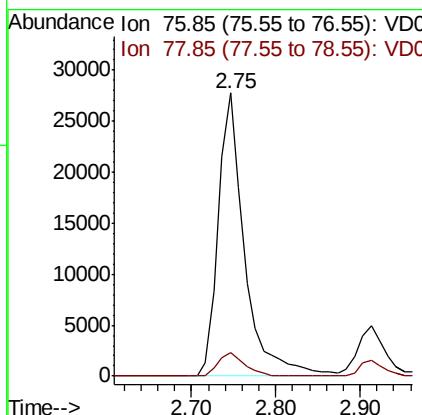
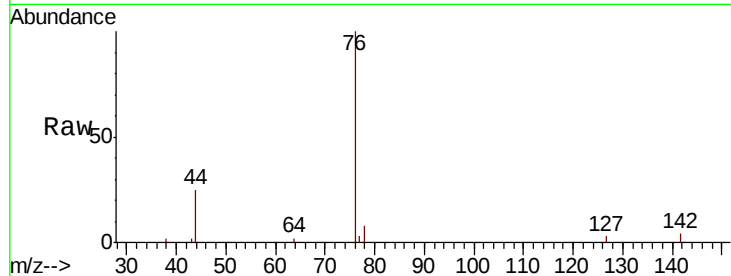




#17
Carbon Disulfide
Concen: 16.96 ug/l
RT: 2.75 min Scan# 256
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

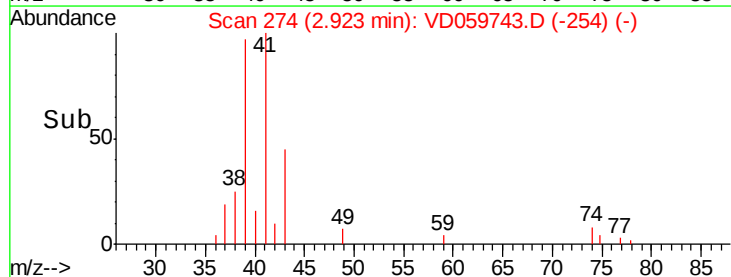
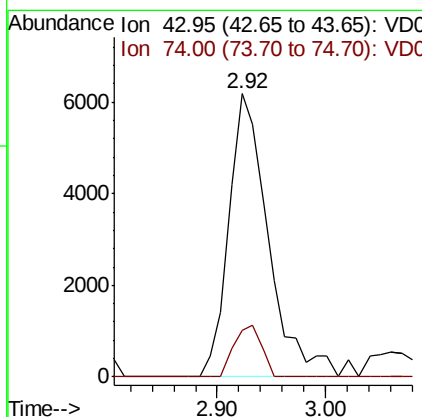
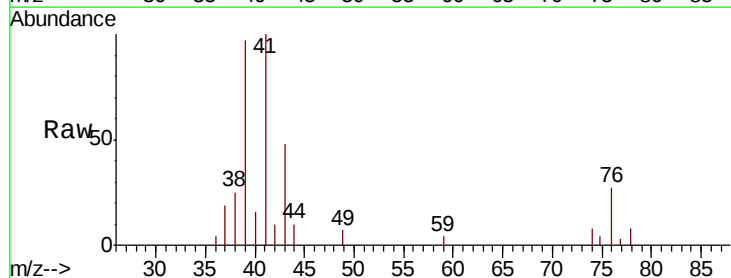
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

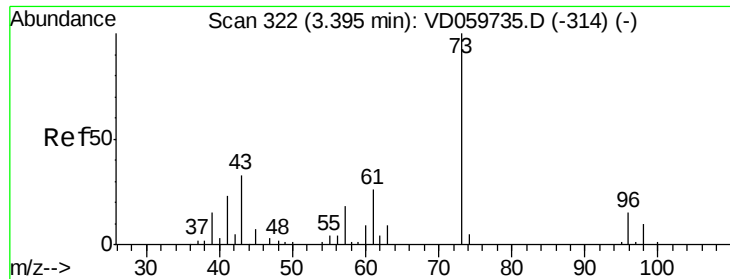
Tot Ion: 76 Resp: 60272
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.6



#18
Methyl Acetate
Concen: 17.13 ug/l
RT: 2.92 min Scan# 274
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion: 43 Resp: 15665
Ion Ratio Lower Upper
43 100
74 16.7 12.1 18.1

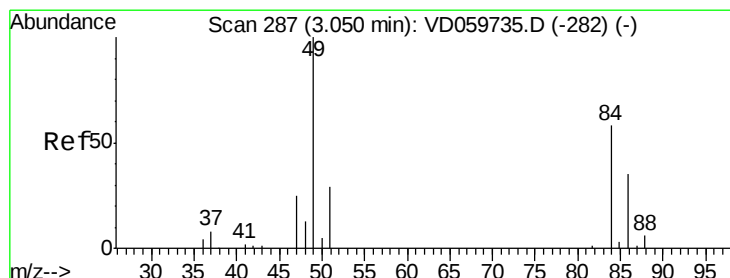
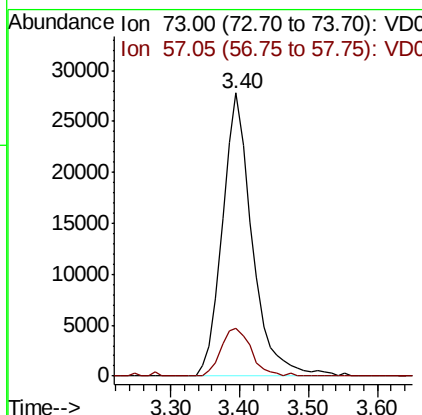
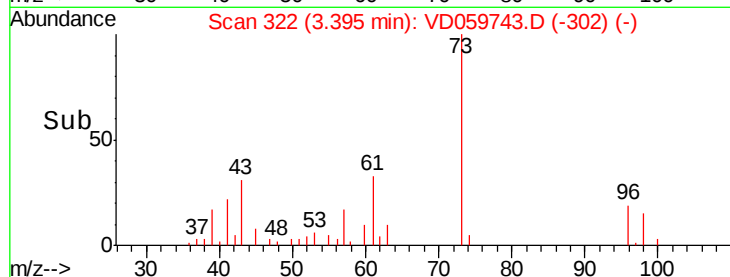
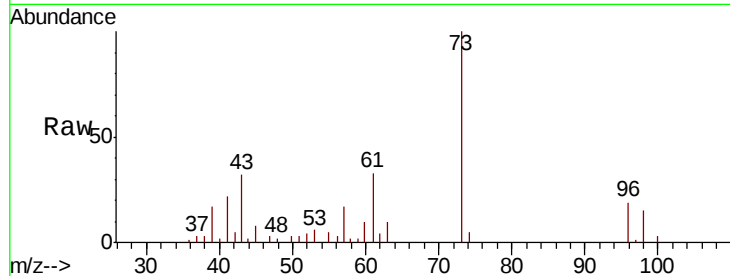




#19
Methvl tert-butvl Ether
Concen: 20.01 ug/l
RT: 3.40 min Scan# 322
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

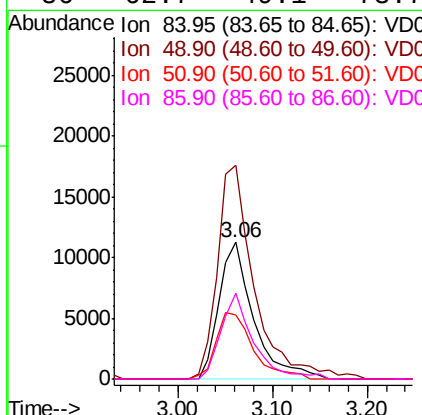
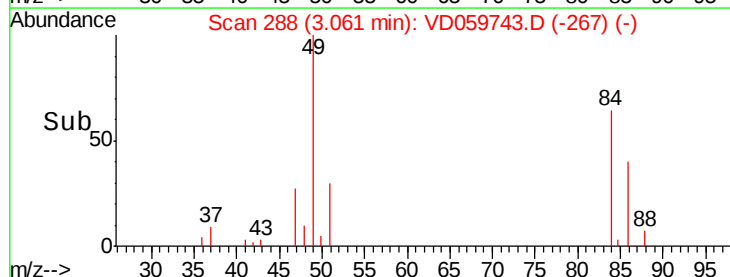
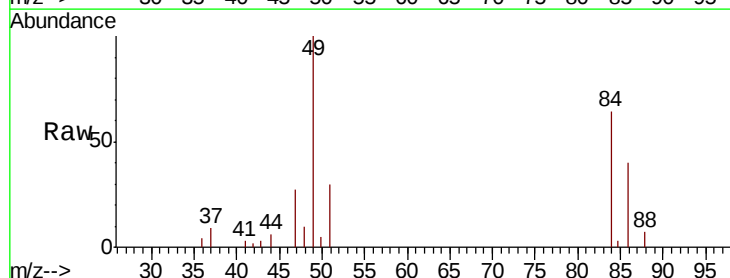
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

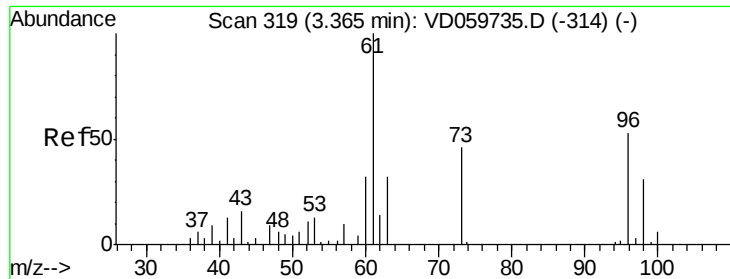
Tot Ion: 73 Resp: 83020
Ion Ratio Lower Upper
73 100
57 17.1 14.8 22.2



#20
Methylene Chloride
Concen: 20.43 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion: 84 Resp: 28404
Ion Ratio Lower Upper
84 100
49 156.6 138.9 208.3
51 46.6 40.2 60.2
86 62.7 49.1 73.7

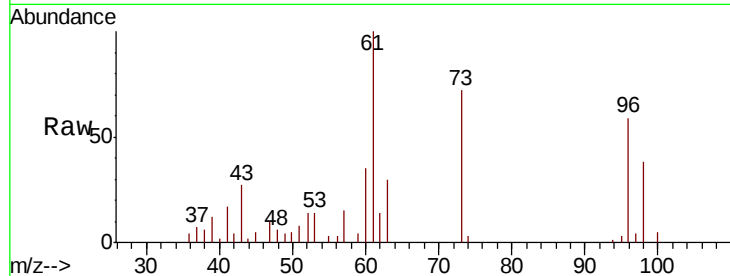




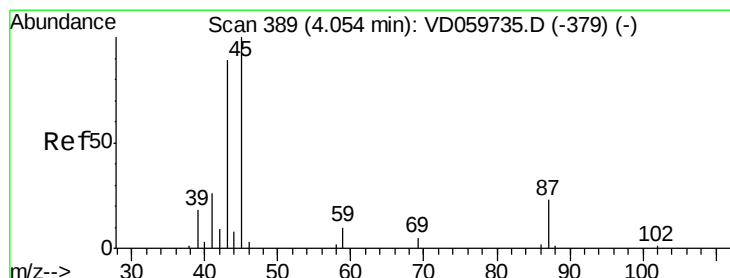
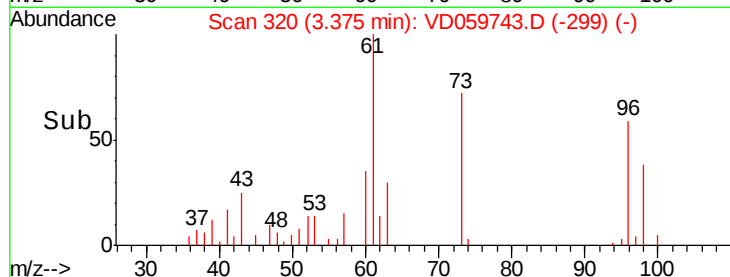
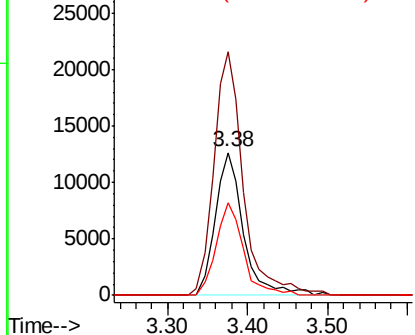
#21
trans-1,2-Dichloroethene
Concen: 23.33 ug/l
RT: 3.38 min Scan# 320
Delta R.T. 0.01 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

Tot Ion: 96 Resp: 31355
Ion Ratio Lower Upper
96 100
61 170.1 152.0 228.0
98 64.7 47.4 71.2

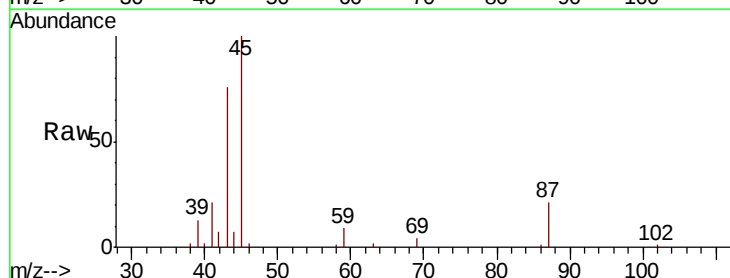


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

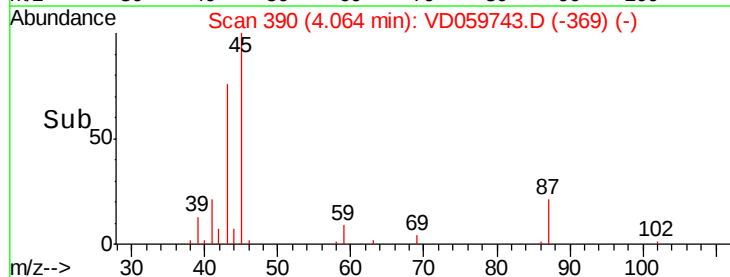
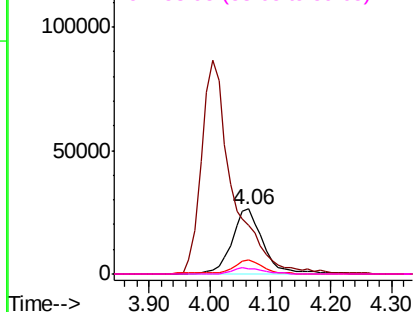


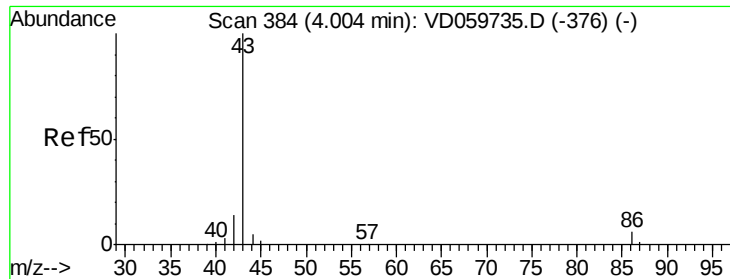
#22
Diisopropyl ether
Concen: 21.02 ug/l
RT: 4.06 min Scan# 390
Delta R.T. 0.01 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion: 45 Resp: 93117
Ion Ratio Lower Upper
45 100
43 75.7 75.5 113.3
87 20.8 19.4 29.0
59 8.7 8.5 12.7



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: 102.04 ug/l

RT: 4.01 min Scan# 384

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

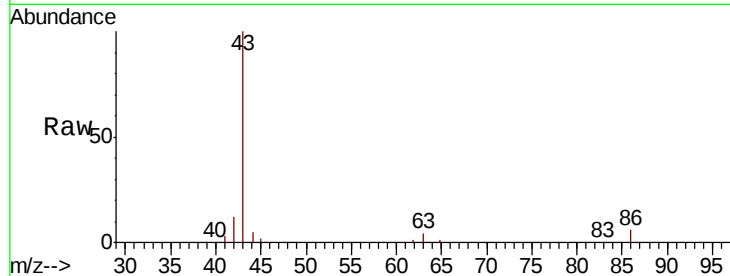
VD0813SBSD01

Tot Ion: 43 Resp: 305920

Ion Ratio Lower Upper

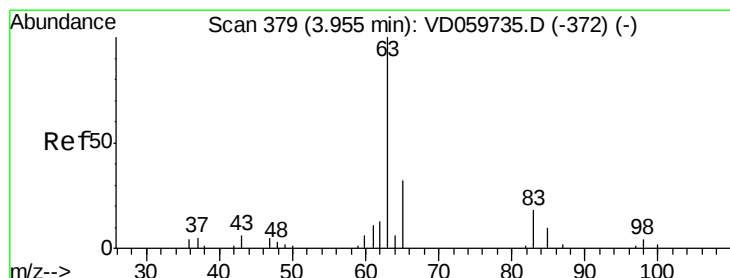
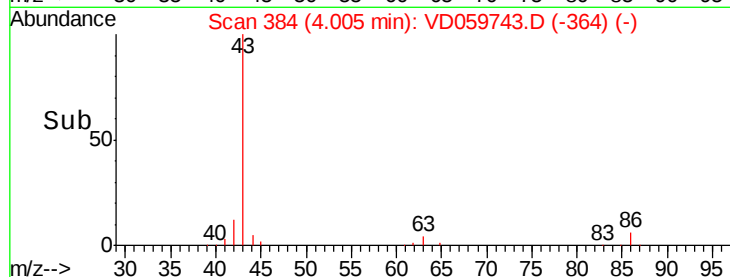
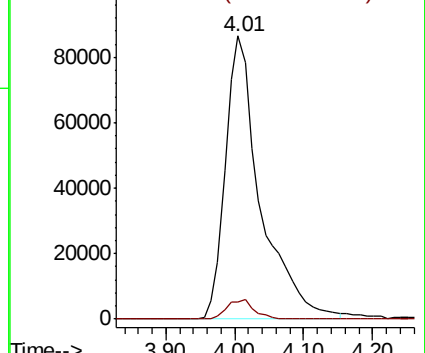
43 100

86 6.0 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.56 ug/l

RT: 3.97 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

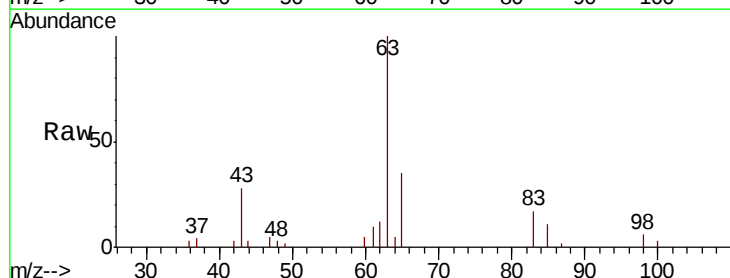
Tgt Ion: 63 Resp: 64005

Ion Ratio Lower Upper

63 100

98 5.6 1.8 5.5#

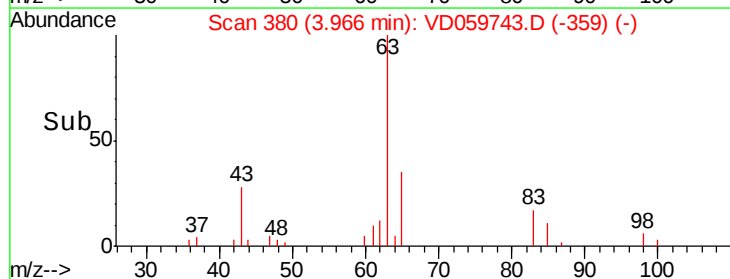
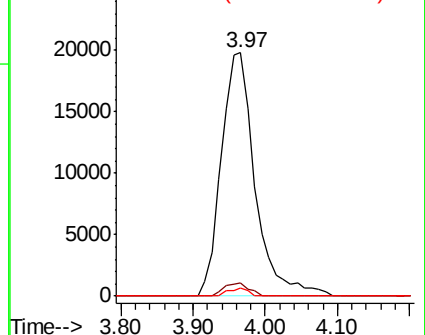
100 3.3 1.1 3.1#

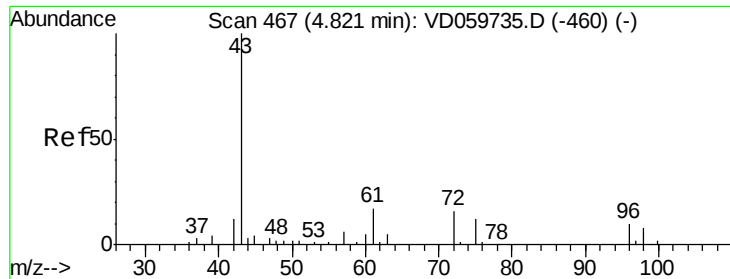


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 83.84 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

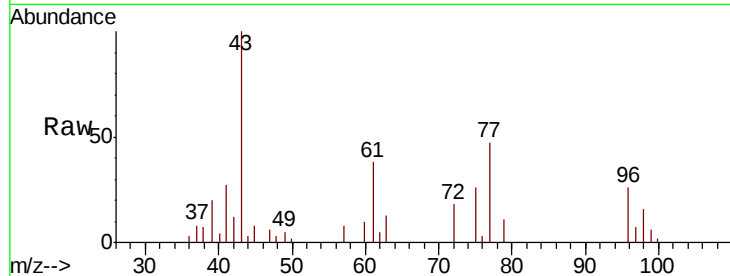
VD0813SBSD01

Tot Ion: 43 Resp: 43394

Ion Ratio Lower Upper

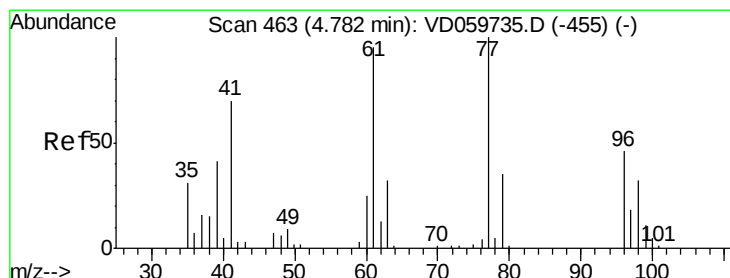
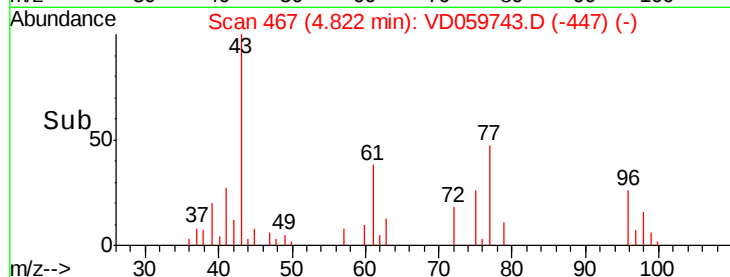
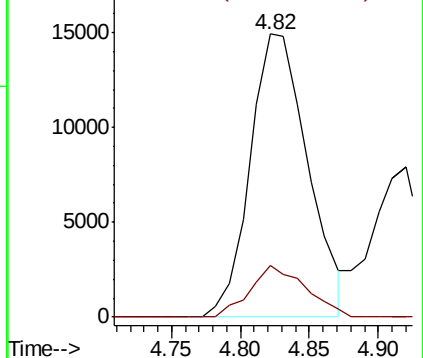
43 100

72 18.1 13.1 19.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.07 ug/l

RT: 4.78 min Scan# 463

Delta R.T. 0.00 min

Lab File: VD059743.D

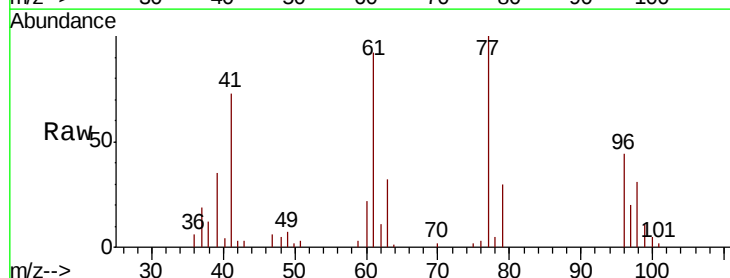
Acq: 13 Aug 2018 19:45

Tgt Ion: 77 Resp: 69136

Ion Ratio Lower Upper

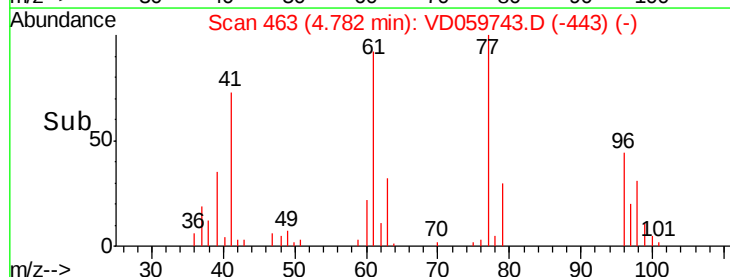
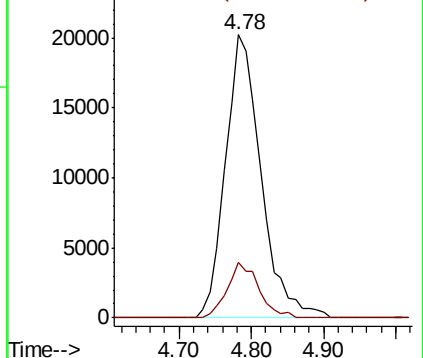
77 100

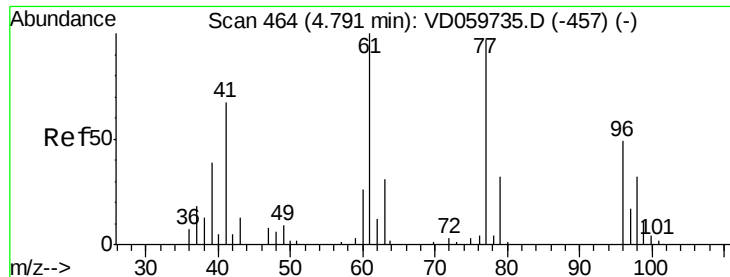
97 19.7 8.9 26.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



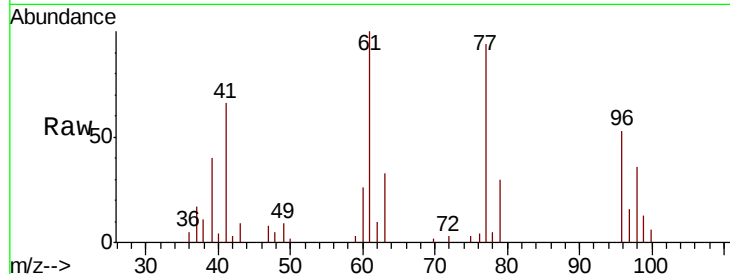


#27

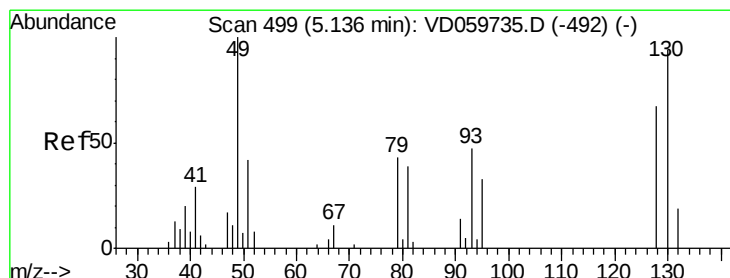
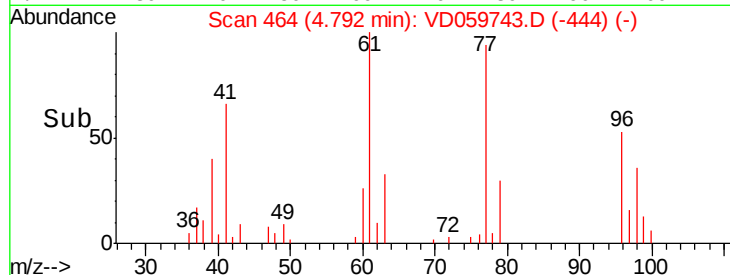
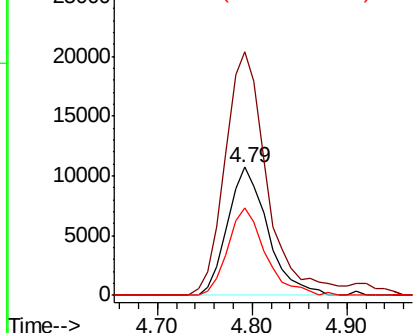
cis-1,2-Dichloroethene
 Concen: 19.39 ug/l
 RT: 4.79 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813BSD01

Tot Ion: 96 Resp: 31524
 Ion Ratio Lower Upper
 96 100
 61 189.8 0.0 409.8
 98 68.6 0.0 132.8



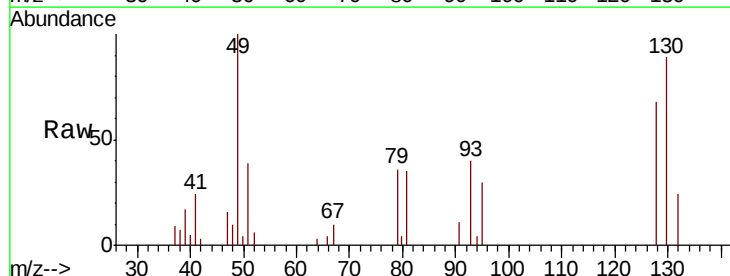
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



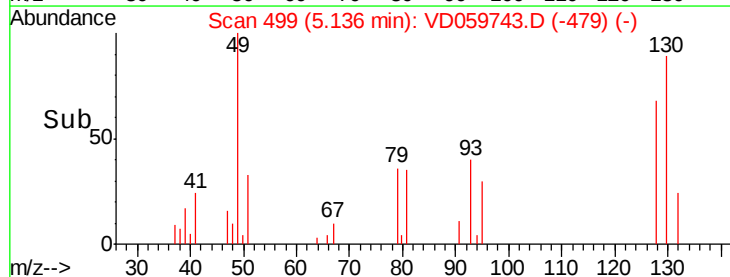
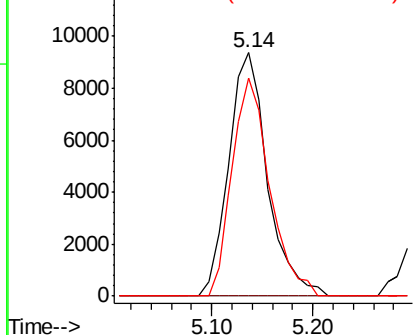
#28

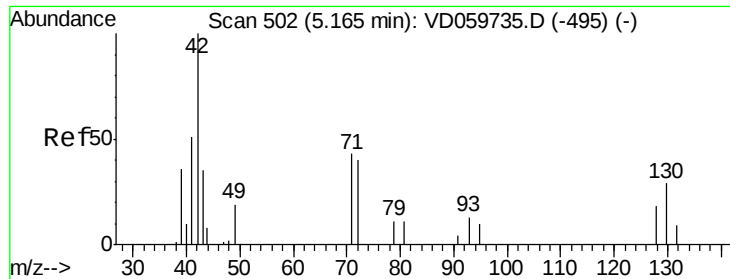
Bromochloromethane
 Concen: 21.17 ug/l
 RT: 5.14 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

Tgt Ion: 49 Resp: 24937
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 89.3 75.0 112.6



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

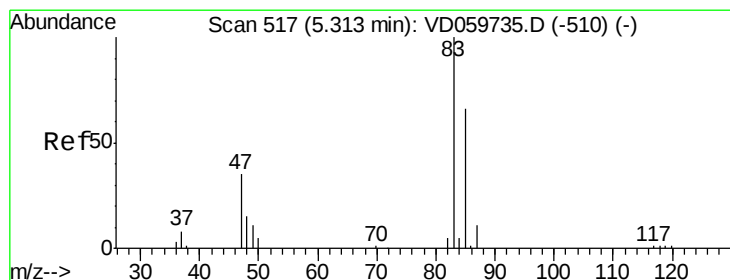
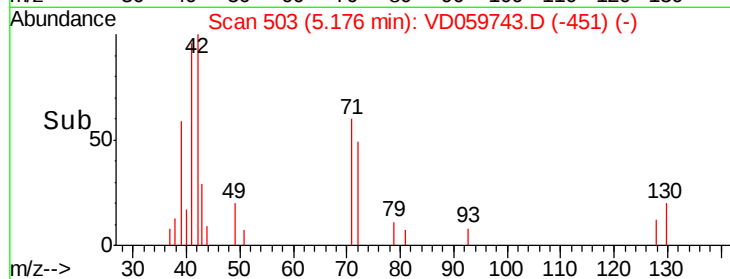
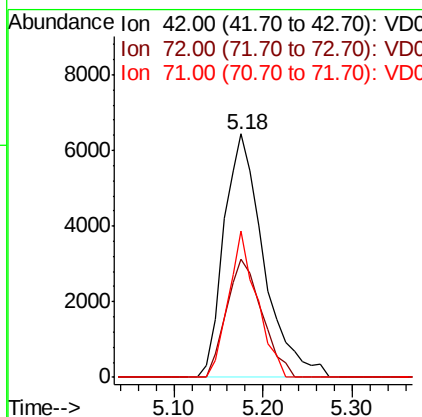
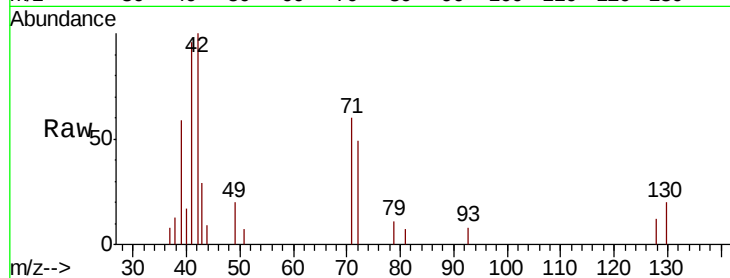




#29
Tetrahydrofuran
Concen: 103.52 ug/l
RT: 5.18 min Scan# 503
Delta R.T. 0.01 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

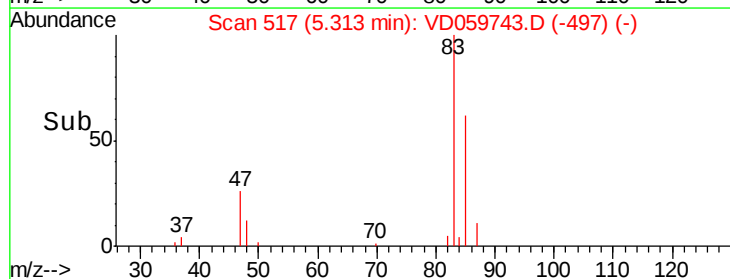
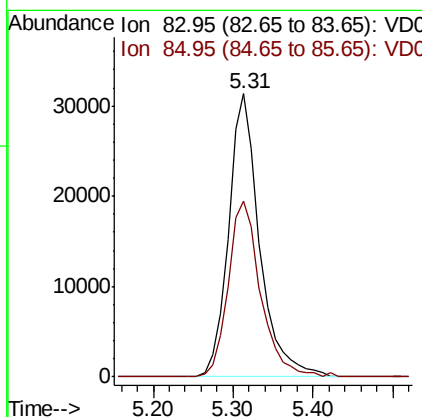
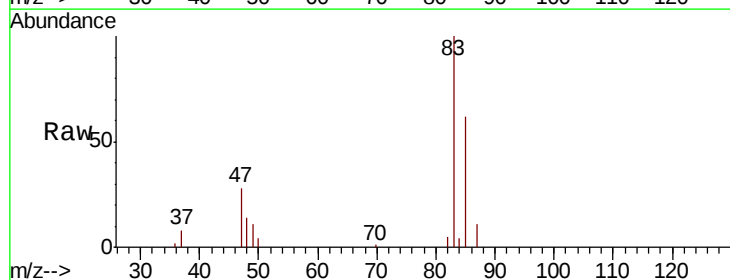
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

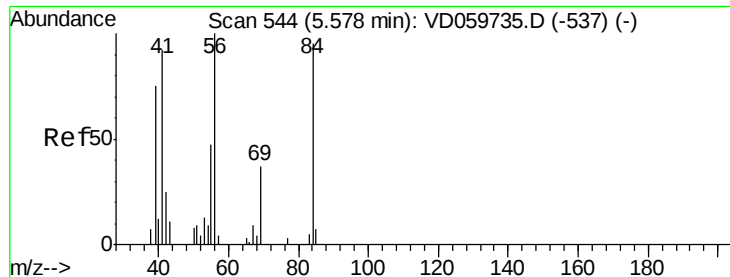
Tot Ion: 42 Resp: 20033
Ion Ratio Lower Upper
42 100
72 43.3 35.3 52.9
71 43.3 37.1 55.7



#30
Chloroform
Concen: 19.66 ug/l
RT: 5.31 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion: 83 Resp: 84965
Ion Ratio Lower Upper
83 100
85 62.1 52.9 79.3

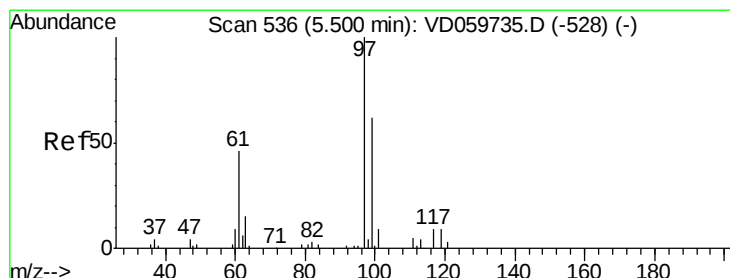
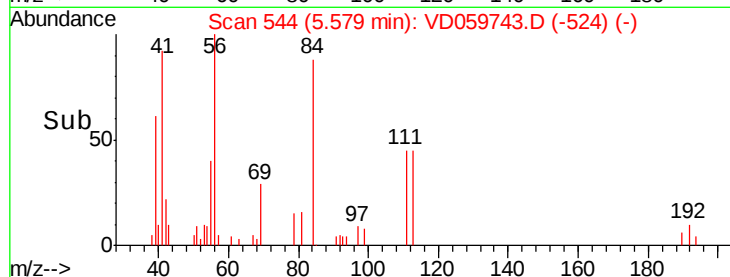
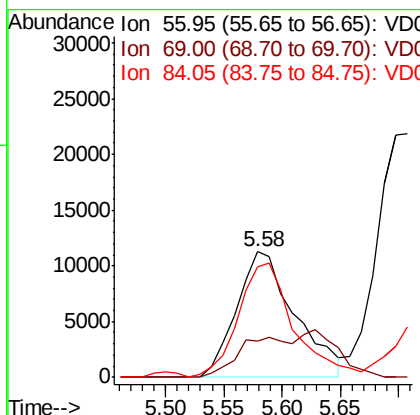
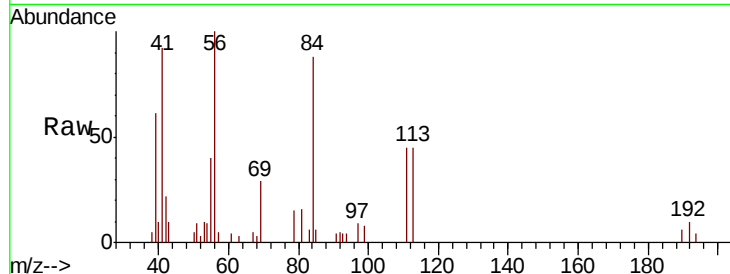




#31
Cvclohexane
Concen: 20.57 ug/l
RT: 5.58 min Scan# 544
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

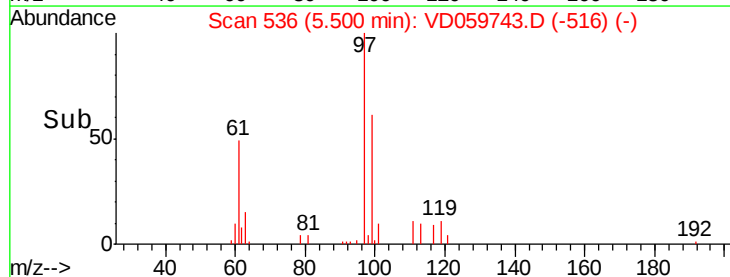
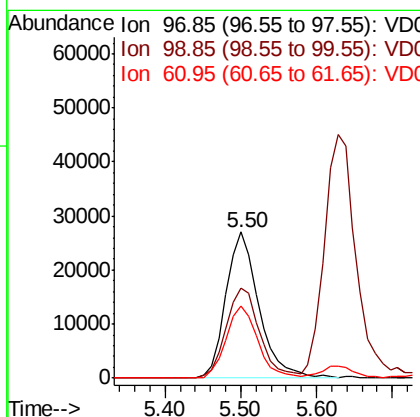
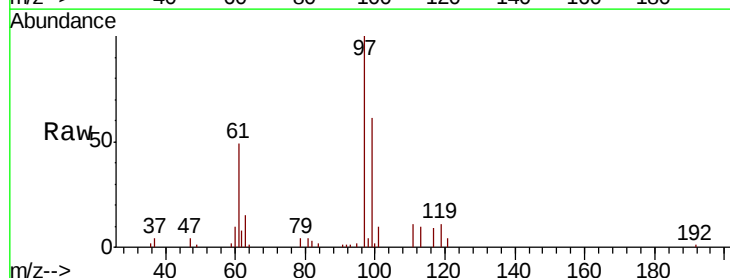
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

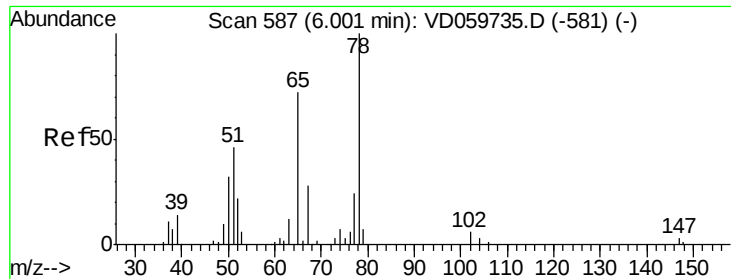
Tot Ion: 56 Resp: 39069
Ion Ratio Lower Upper
56 100
69 29.0 29.3 43.9#
84 88.4 76.2 114.2



#32
1,1,1-Trichloroethane
Concen: 18.11 ug/l
RT: 5.50 min Scan# 536
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion: 97 Resp: 81137
Ion Ratio Lower Upper
97 100
99 61.4 49.8 74.6
61 49.1 37.0 55.4





#33

1,2-Dichloroethane-d4

Concen: 18.11 ug/l

RT: 6.00 min Scan# 587

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

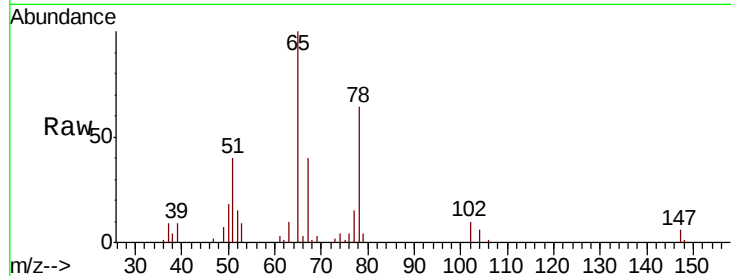
VD0813SBSD01

Tot Ion: 65 Resp: 138160

Ion Ratio Lower Upper

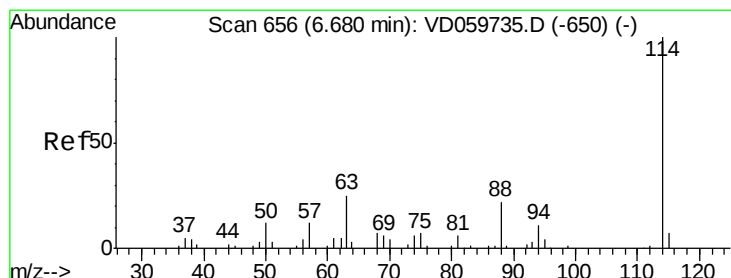
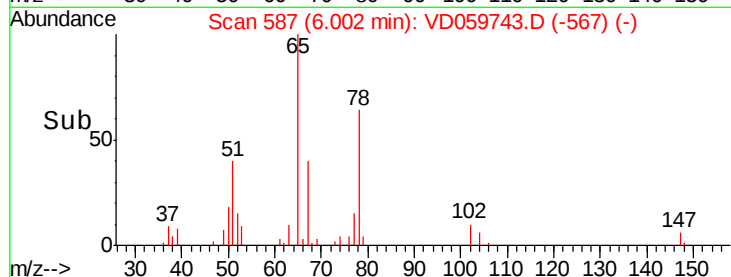
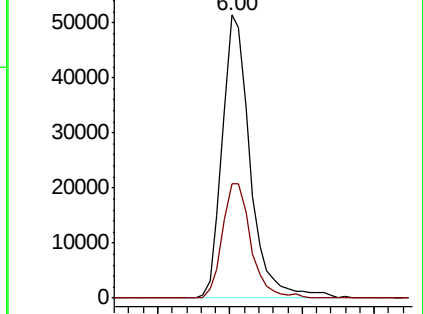
65 100

67 40.4 0.0 77.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.68 min Scan# 656

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

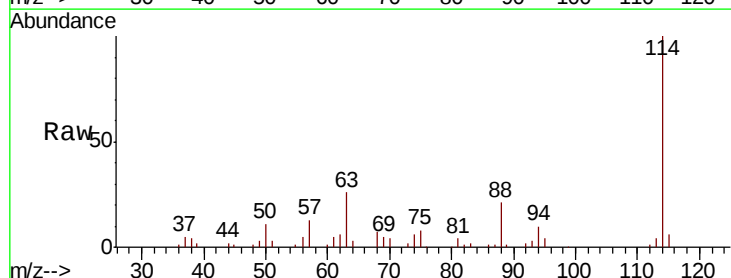
Tgt Ion: 114 Resp: 220368

Ion Ratio Lower Upper

114 100

63 26.0 0.0 50.6

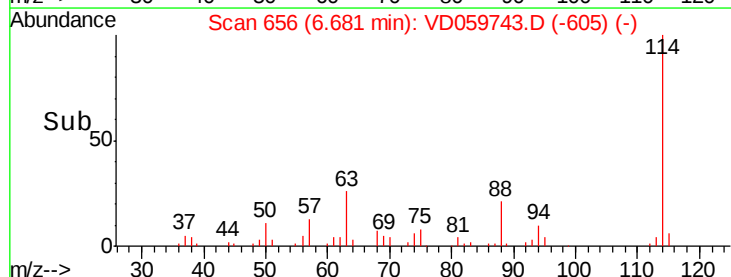
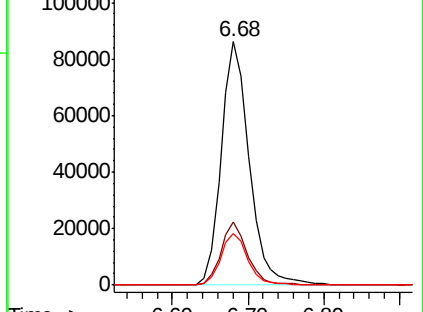
88 21.2 0.0 43.4

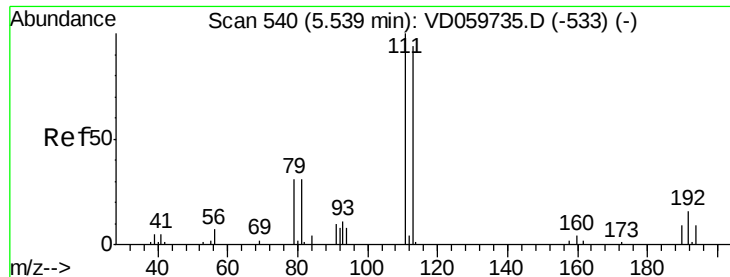


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

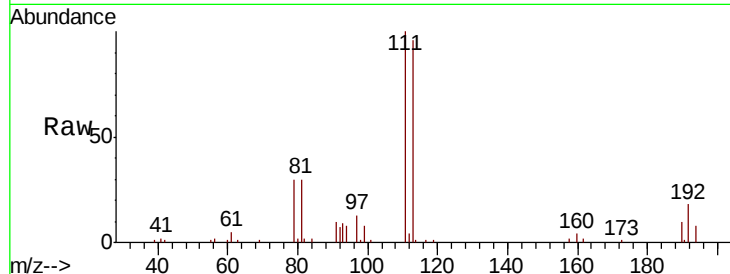




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	85.3	127.9
192	18.4	13.9	20.9

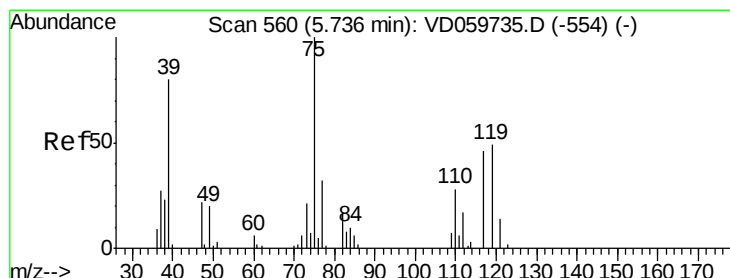
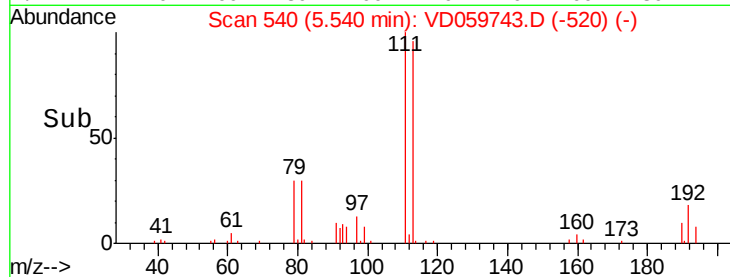
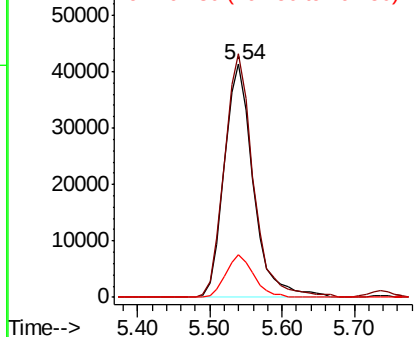


Abundance

Ion 112.90 (112.60 to 113.60): V

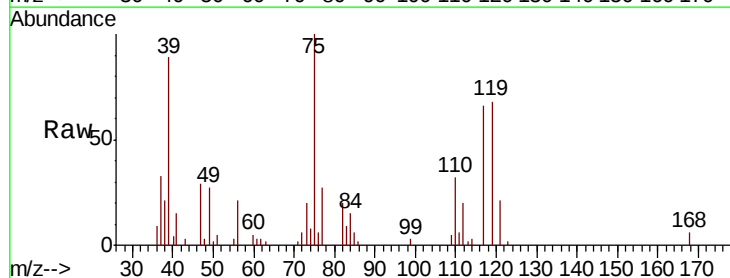
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36
 1,1-Dichloropropene
 Concen: 19.90 ug/l
 RT: 5.74 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.3	13.7	41.0
77	26.8	25.4	38.2

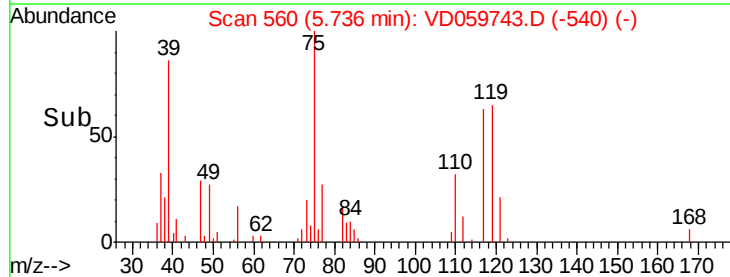
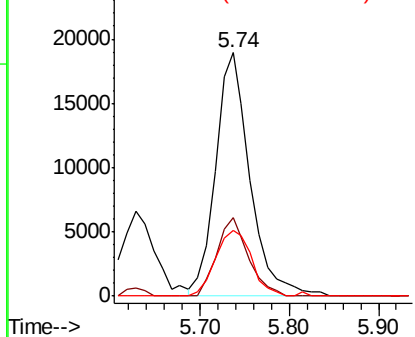


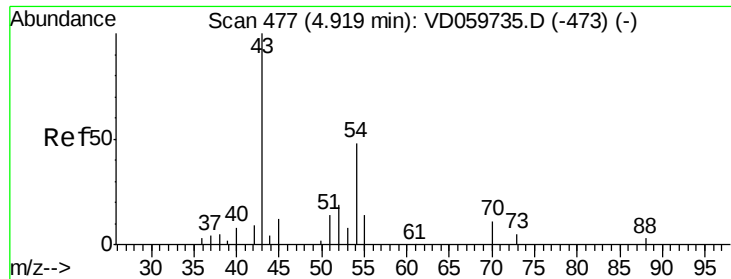
Abundance

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

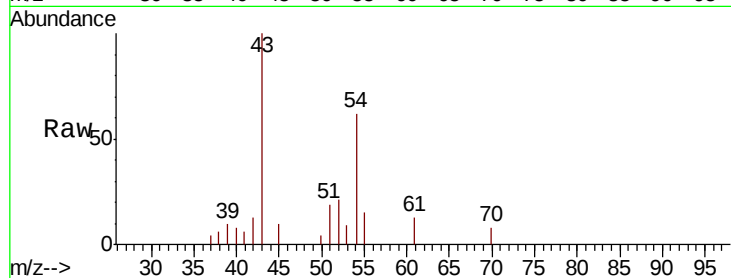




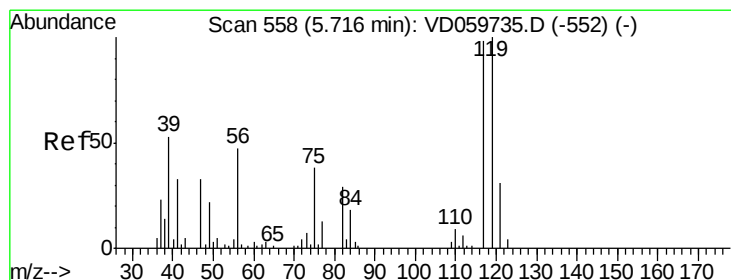
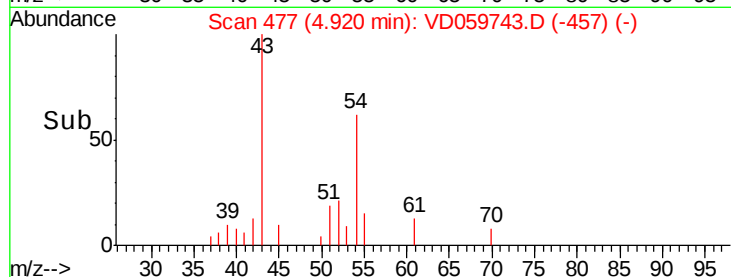
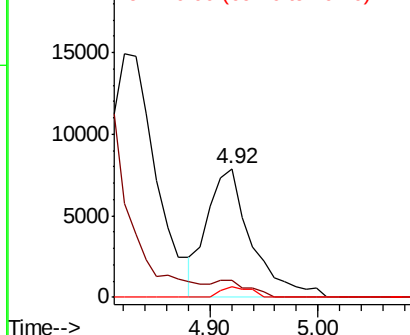
#37
Ethyl Acetate
Concen: 19.84 ug/l
RT: 4.92 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

Tot Ion: 43 Resp: 22313
Ion Ratio Lower Upper
43 100
61 13.0 7.4 11.0#
70 8.3 5.8 8.8

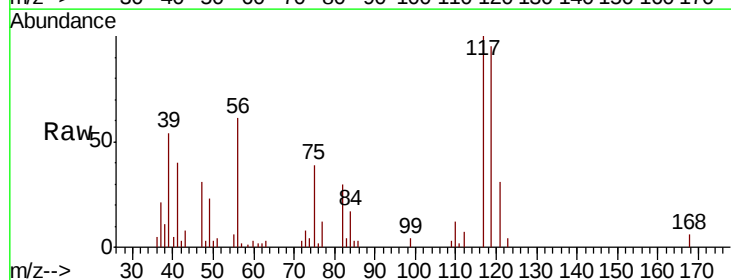


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

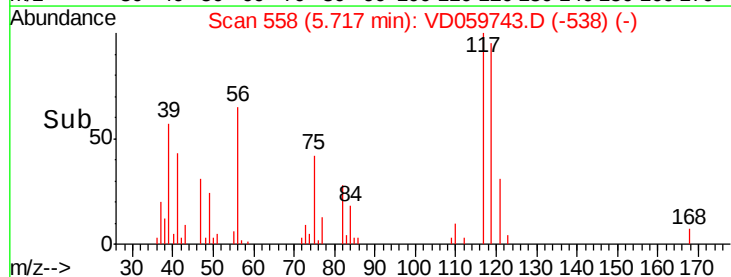
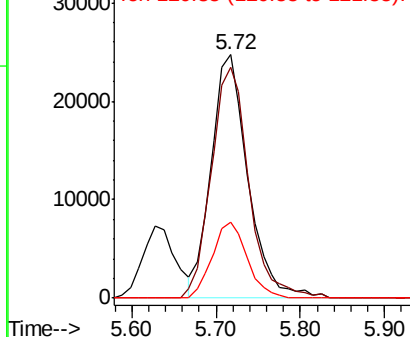


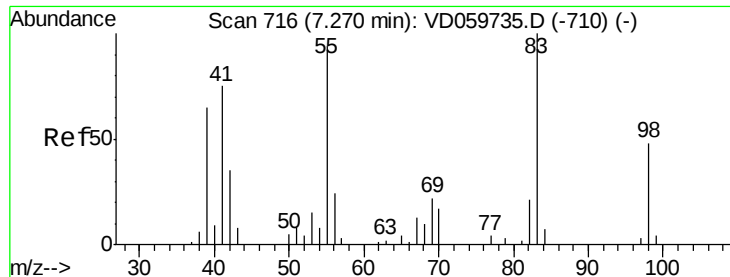
#38
Carbon Tetrachloride
Concen: 18.66 ug/l
RT: 5.72 min Scan# 558
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion: 117 Resp: 75090
Ion Ratio Lower Upper
117 100
119 94.8 78.2 117.2
121 31.1 23.9 35.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

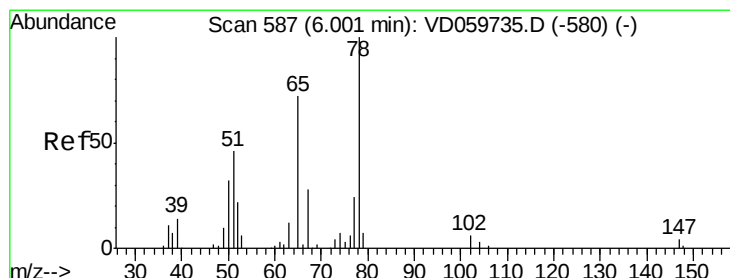
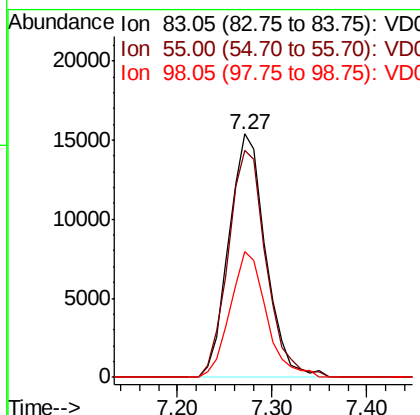
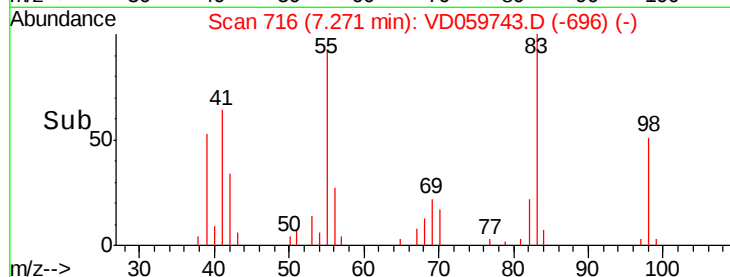
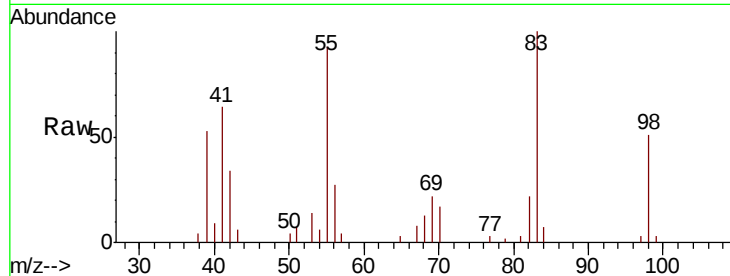




#39
Methvlcvclohexane
Concen: 21.85 ug/l
RT: 7.27 min Scan# 716
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

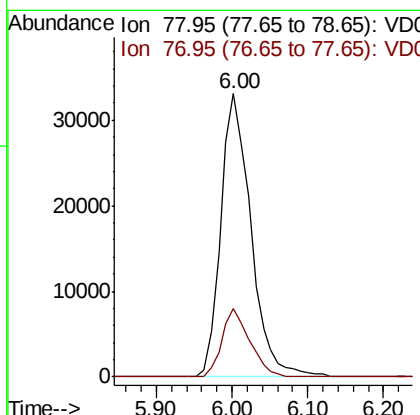
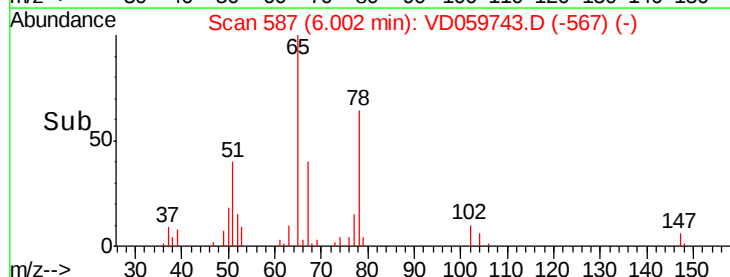
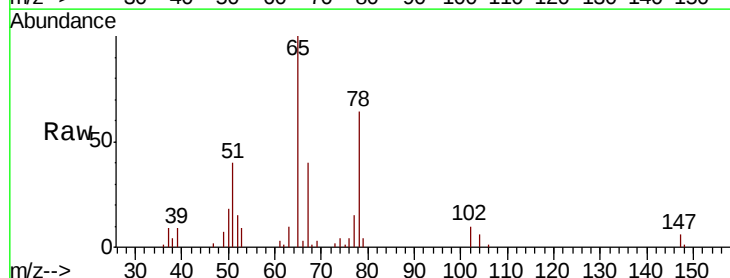
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

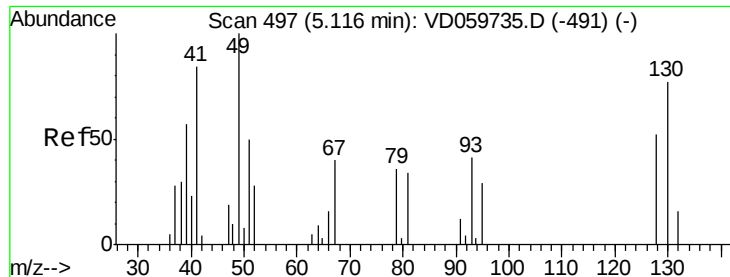
Tot Ion: 83 Resp: 41407
Ion Ratio Lower Upper
83 100
55 93.0 75.1 112.7
98 51.5 38.7 58.1



#40
Benzene
Concen: 20.50 ug/l
RT: 6.00 min Scan# 587
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion: 78 Resp: 91374
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0

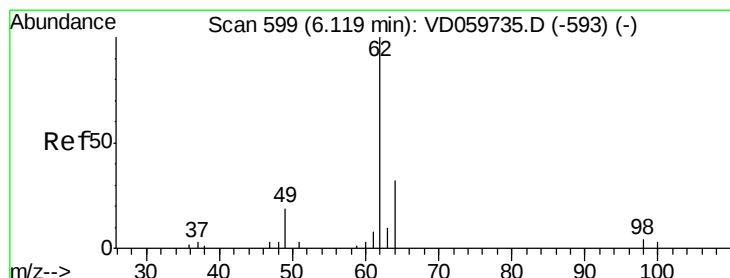
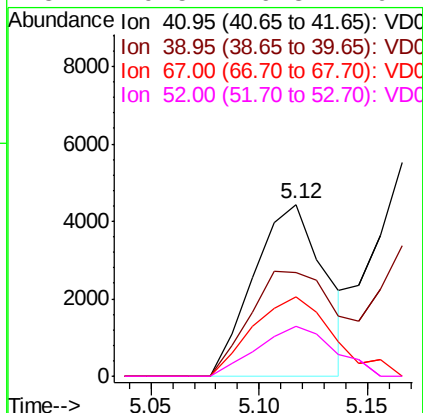
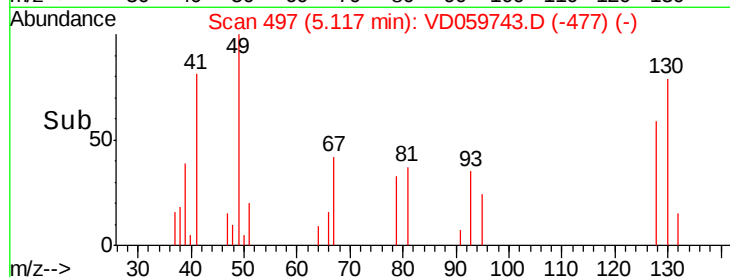
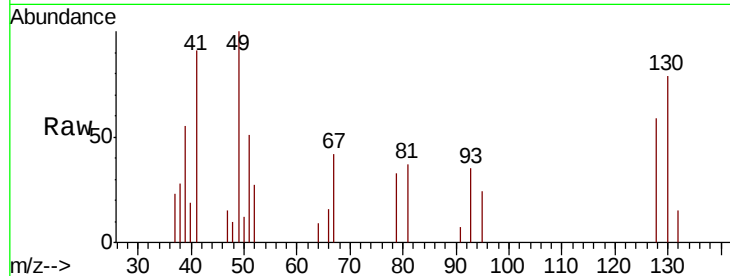




#41
Methacrylonitrile
Concen: 19.28 ug/l
RT: 5.12 min Scan# 497
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

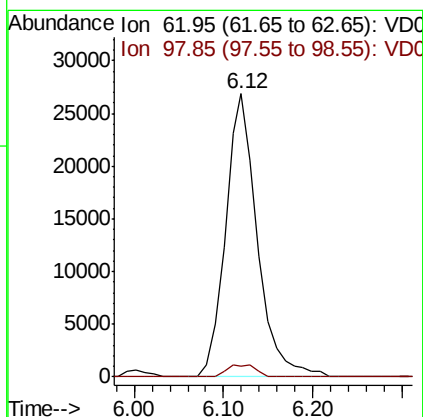
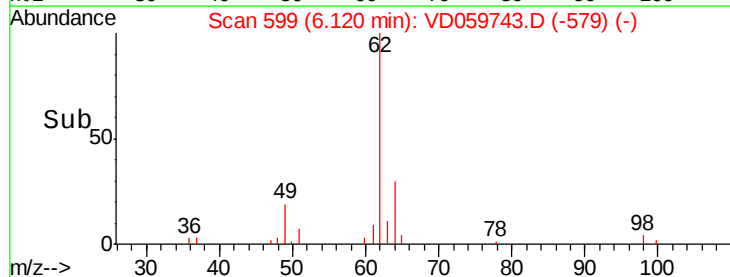
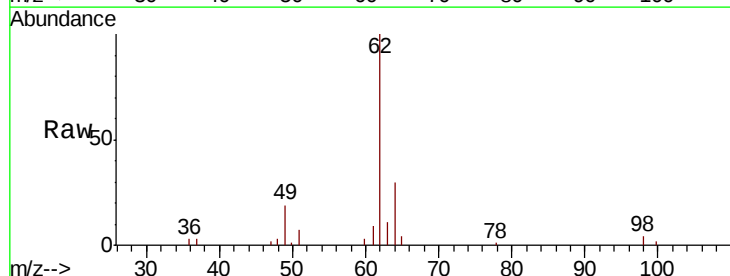
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

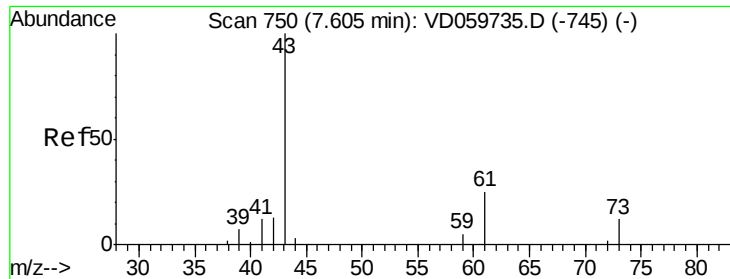
Tot Ion: 41 Resp: 10193
Ion Ratio Lower Upper
41 100
39 60.8 54.3 81.5
67 45.9 38.2 57.2
52 29.5 26.8 40.2



#42
1,2-Dichloroethane
Concen: 18.88 ug/l
RT: 6.12 min Scan# 599
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion: 62 Resp: 66745
Ion Ratio Lower Upper
62 100
98 3.8 0.0 8.2



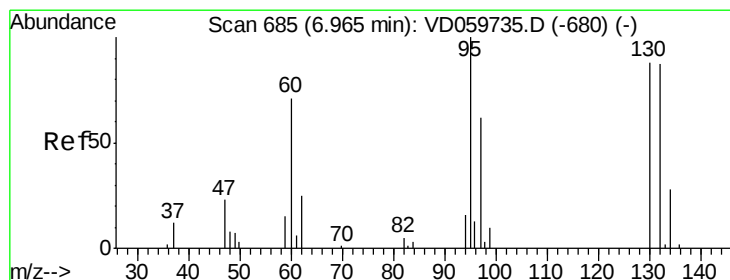
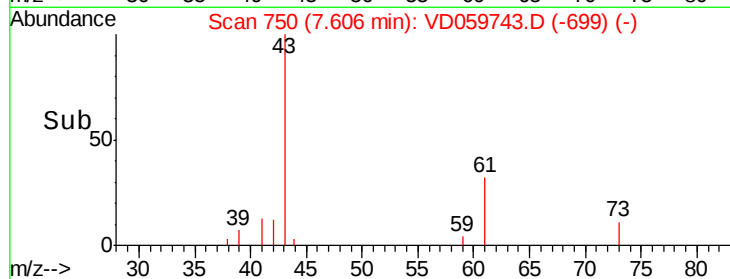
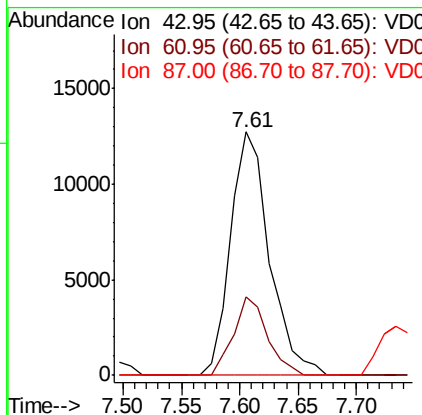
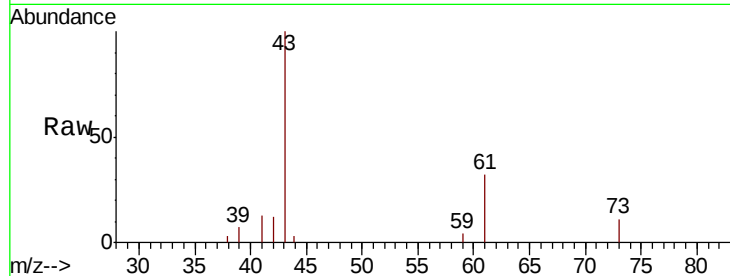


#43

Isopropyl Acetate
 Concen: 20.70 ug/l
 RT: 7.61 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD01

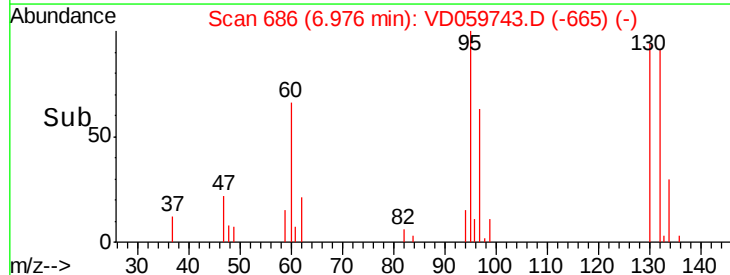
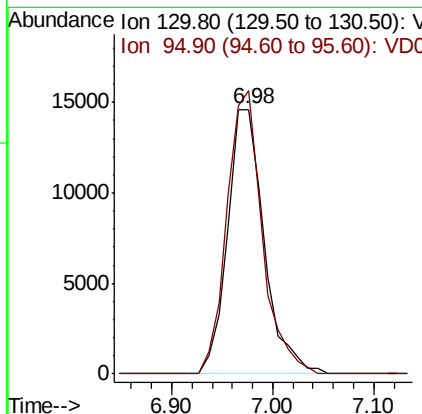
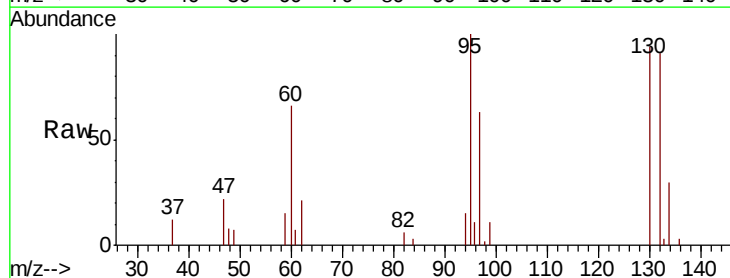
Tot Ion: 43 Resp: 29338
 Ion Ratio Lower Upper
 43 100
 61 32.3 19.8 29.8#
 87 0.0 0.0 0.0

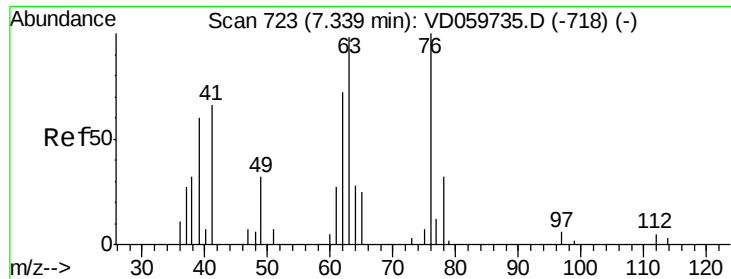


#44

Trichloroethene
 Concen: 20.54 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. 0.01 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

Tgt Ion: 130 Resp: 36929
 Ion Ratio Lower Upper
 130 100
 95 106.9 0.0 226.4





#45

1,2-Dichloropropane

Concen: 20.28 ug/l

RT: 7.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

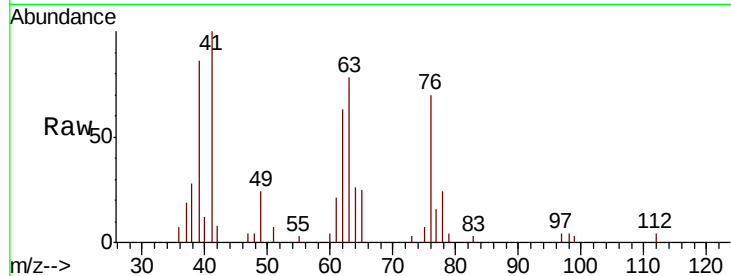
VD0813SBSD01

Tot Ion: 63 Resp: 23020

Ion Ratio Lower Upper

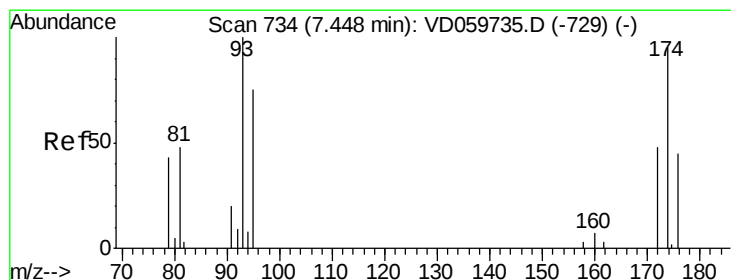
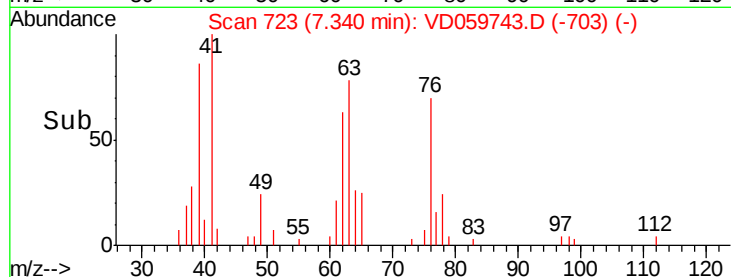
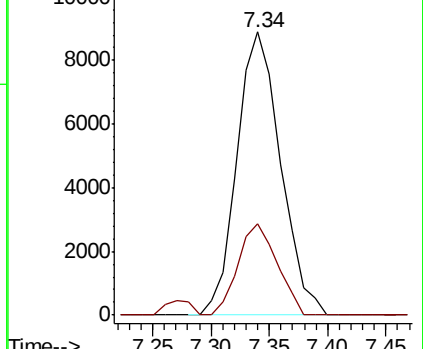
63 100

65 32.4 23.0 34.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.88 ug/l

RT: 7.45 min Scan# 734

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

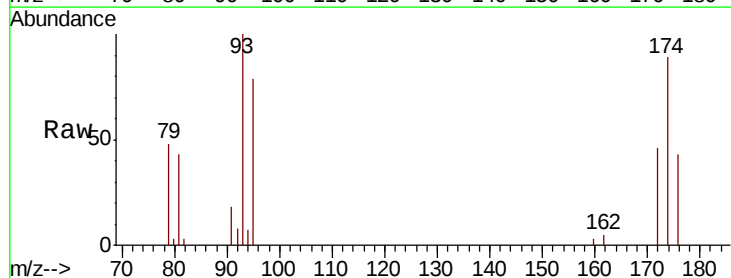
Tgt Ion: 93 Resp: 22764

Ion Ratio Lower Upper

93 100

95 78.7 60.2 90.2

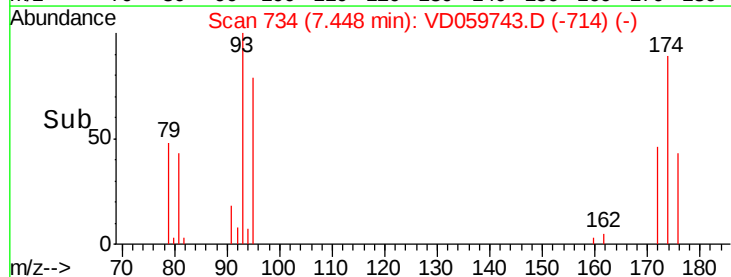
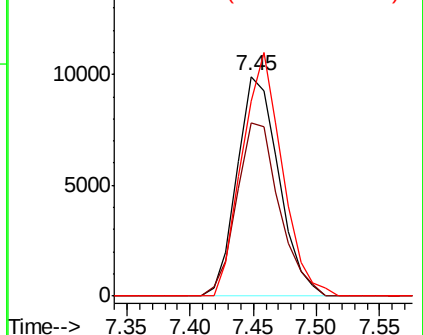
174 88.9 75.6 113.4

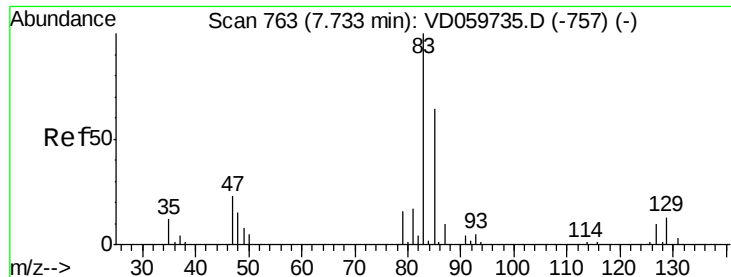


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.30 ug/l

RT: 7.73 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBSD01

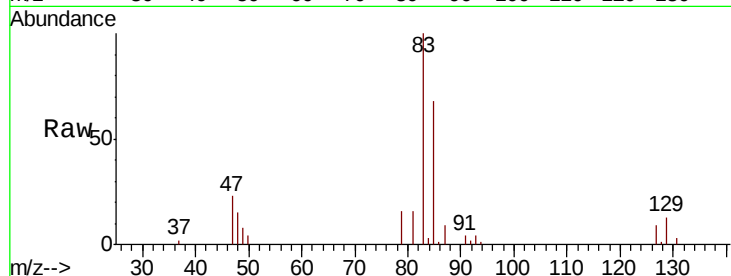
Tot Ion: 83 Resp: 61486

Ion Ratio Lower Upper

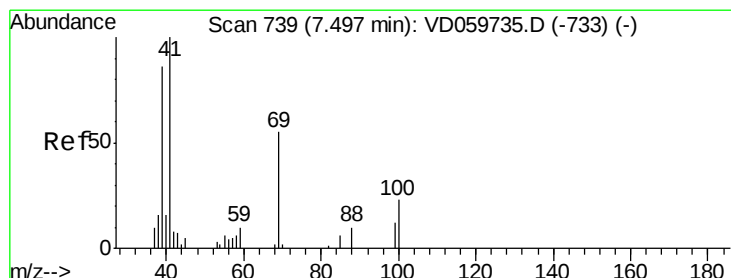
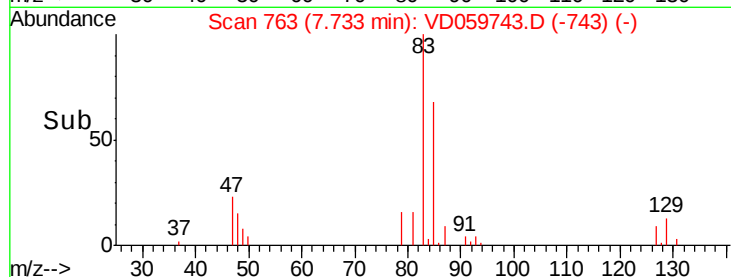
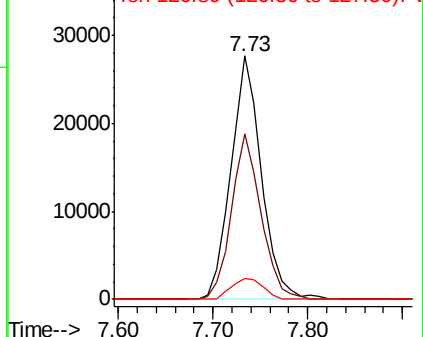
83 100

85 68.2 51.6 77.4

127 8.5 7.7 11.5



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: 18.88 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

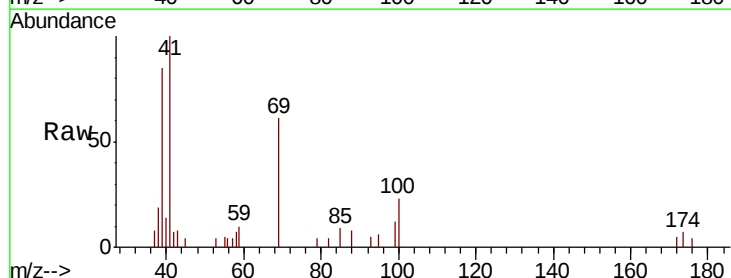
Tgt Ion: 41 Resp: 19531

Ion Ratio Lower Upper

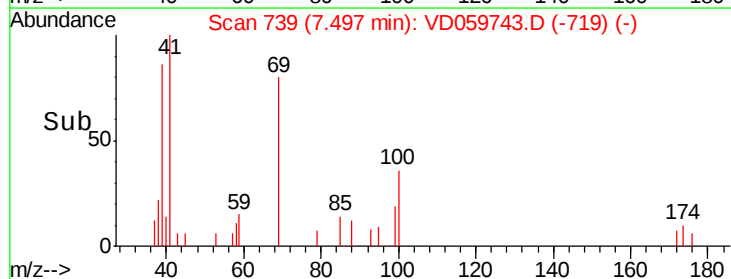
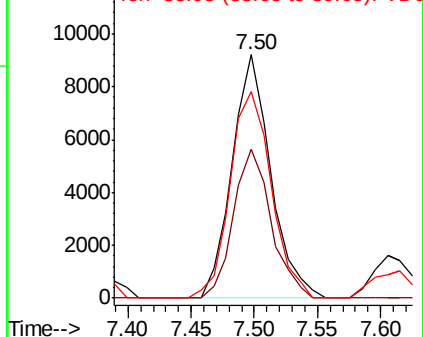
41 100

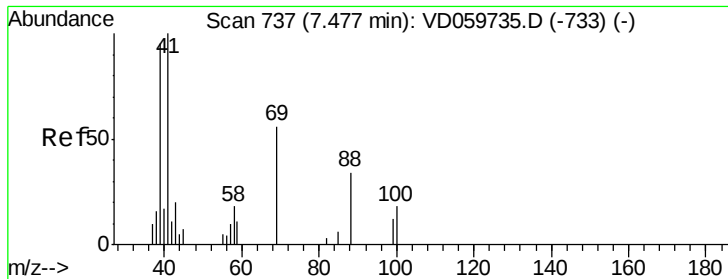
69 61.4 43.8 65.6

39 84.6 69.1 103.7



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

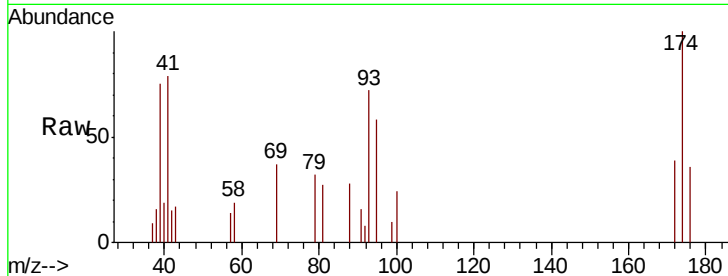




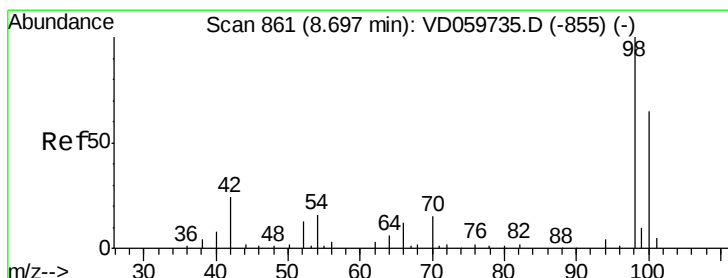
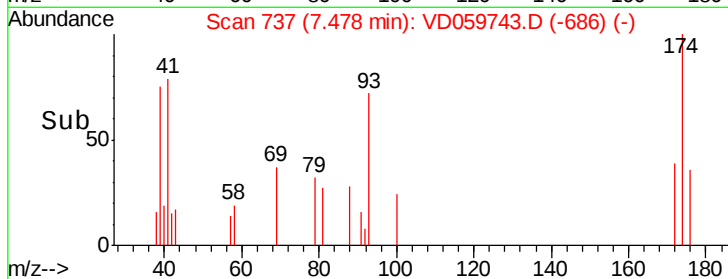
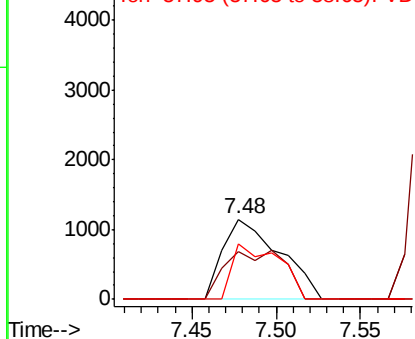
#49
1,4-Dioxane
Concen: 366.07 ug/l
RT: 7.48 min Scan# 737
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

Tot Ion: 88 Resp: 2677
Ion Ratio Lower Upper
88 100
43 59.9 46.7 70.1
58 68.6 42.1 63.1#

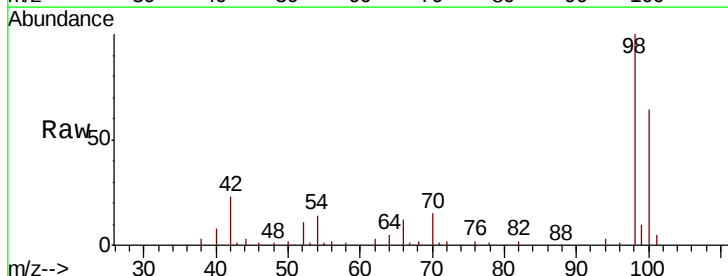


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

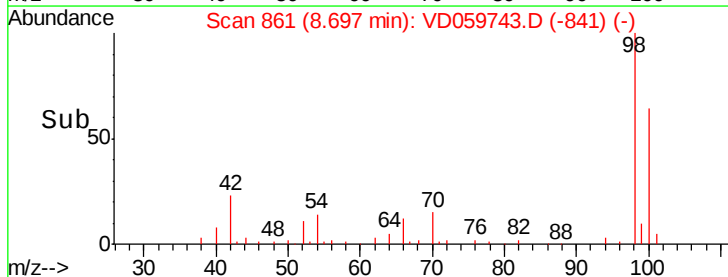
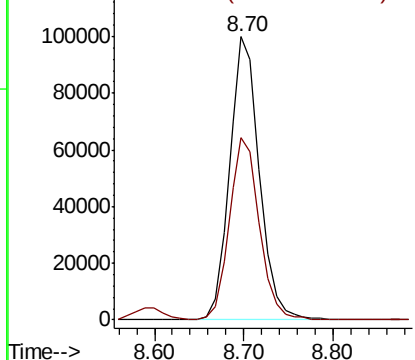


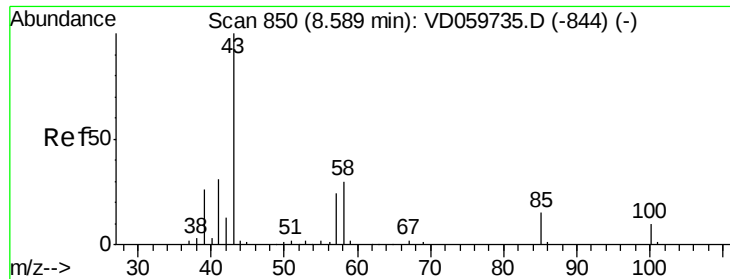
#50
Toluene-d8
Concen: 366.07 ug/l
RT: 8.70 min Scan# 861
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion: 98 Resp: 232218
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2



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: 91.28 ug/l

RT: 8.59 min Scan# 850

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

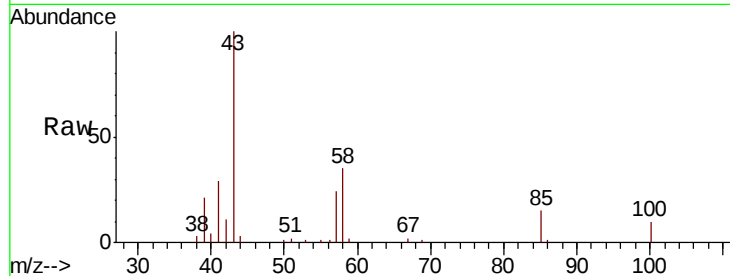
VD0813SBSD01

Tot Ion: 43 Resp: 99723

Ion Ratio Lower Upper

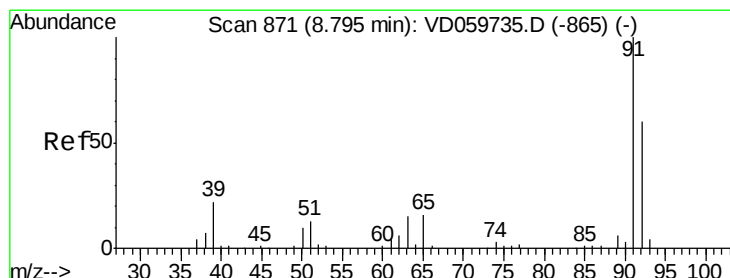
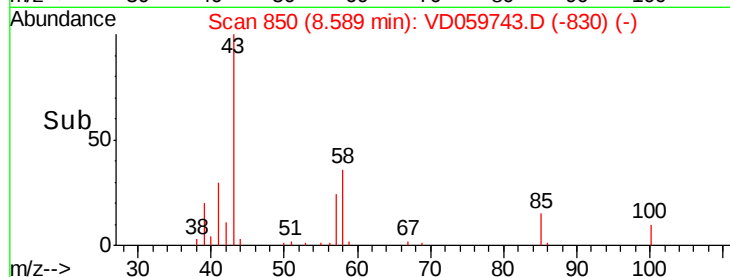
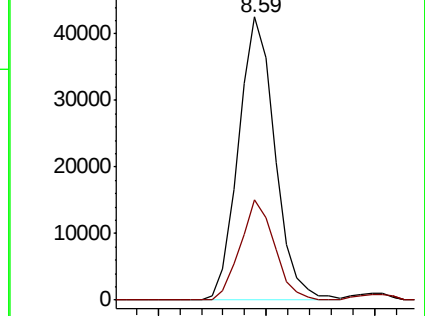
43 100

58 35.3 24.3 36.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.76 ug/l

RT: 8.80 min Scan# 871

Delta R.T. 0.00 min

Lab File: VD059743.D

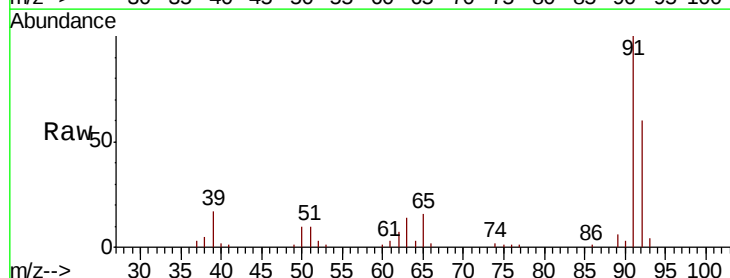
Acq: 13 Aug 2018 19:45

Tgt Ion: 92 Resp: 62362

Ion Ratio Lower Upper

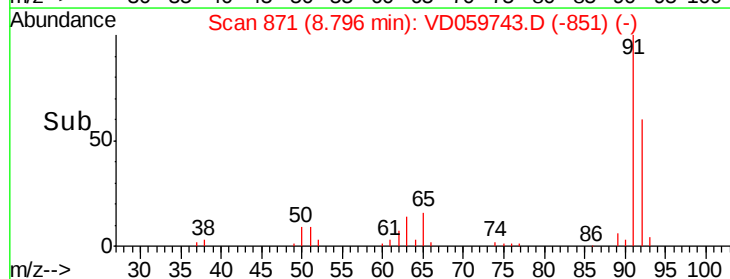
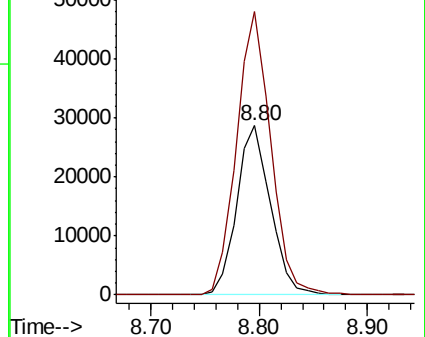
92 100

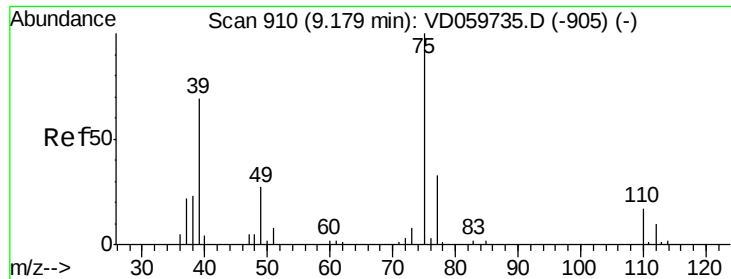
91 167.2 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

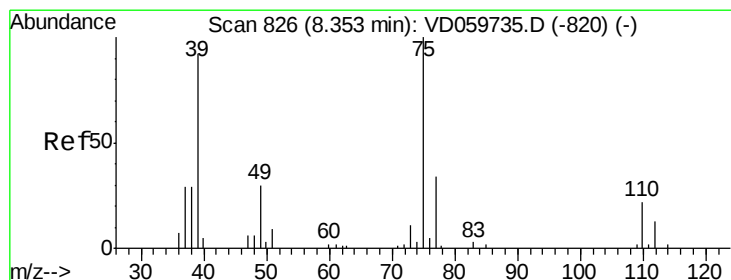
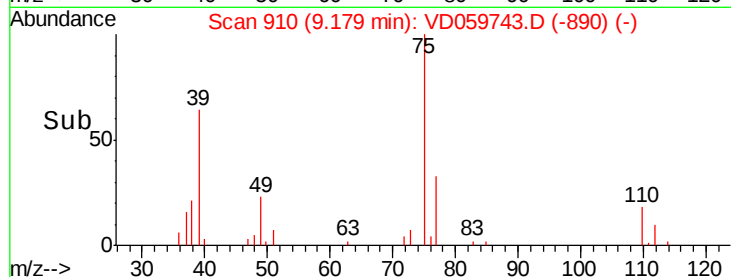
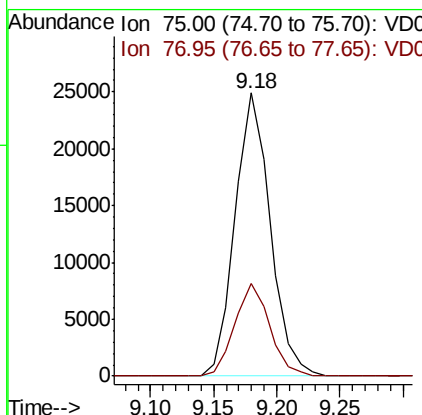
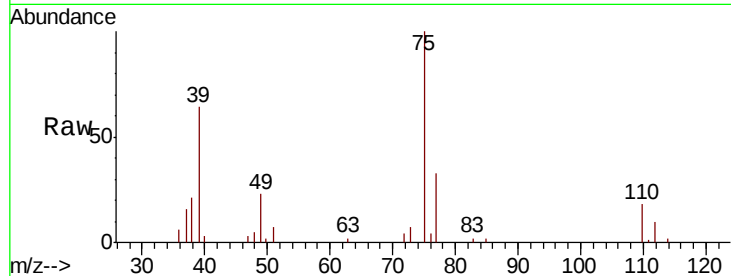




#53
t-1,3-Dichloropropene
Concen: 18.78 ug/l
RT: 9.18 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

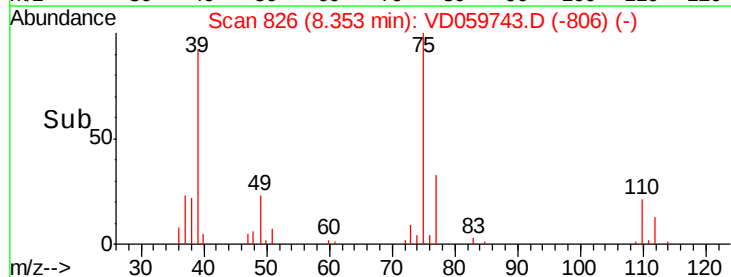
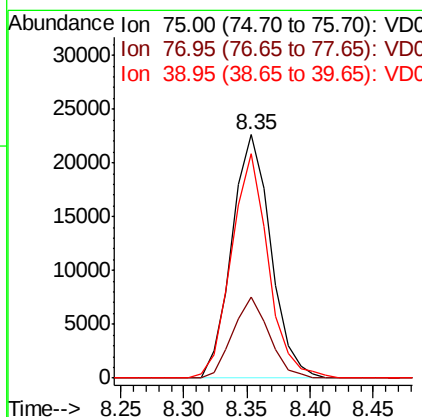
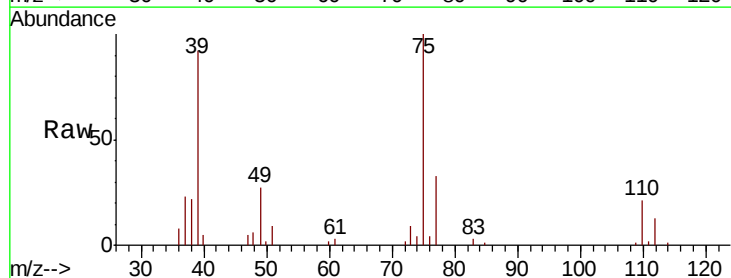
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

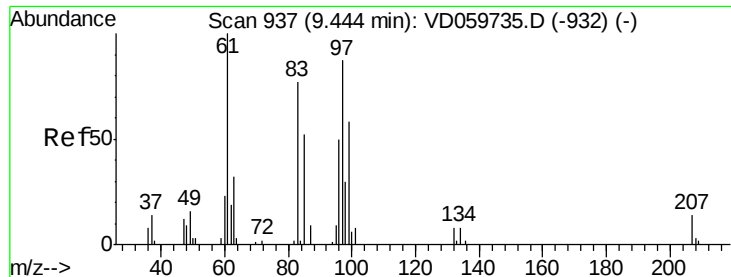
Tot Ion: 75 Resp: 48076
Ion Ratio Lower Upper
75 100
77 32.6 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 19.66 ug/l
RT: 8.35 min Scan# 826
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion: 75 Resp: 48307
Ion Ratio Lower Upper
75 100
77 33.3 27.2 40.8
39 92.3 73.8 110.8





#55

1,1,2-Trichloroethane

Concen: 20.29 ug/l

RT: 9.45 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBSD01

Tot Ion: 97 Resp: 22936

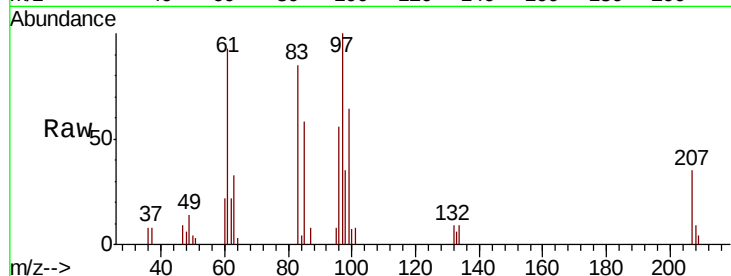
Ion Ratio Lower Upper

97 100

83 85.0 70.4 105.6

85 58.4 47.6 71.4

99 64.3 53.1 79.7

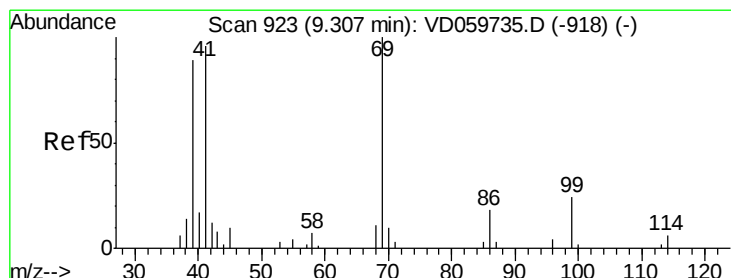
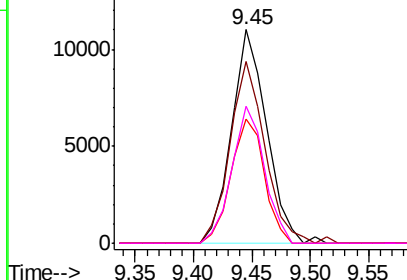
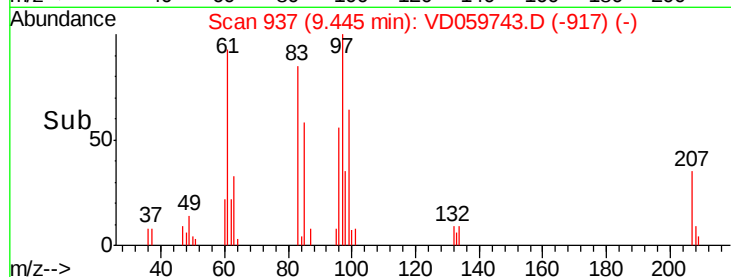


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.21 ug/l

RT: 9.31 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

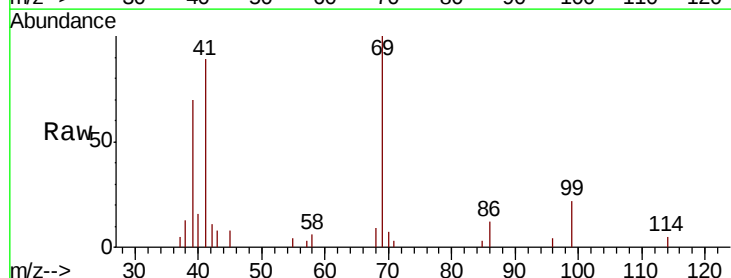
Tgt Ion: 69 Resp: 26025

Ion Ratio Lower Upper

69 100

41 88.7 76.7 115.1

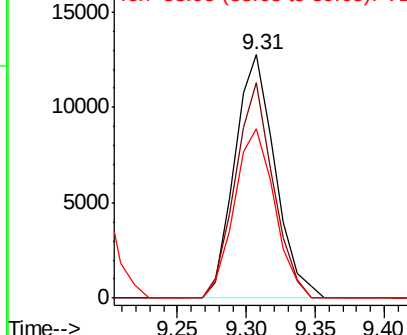
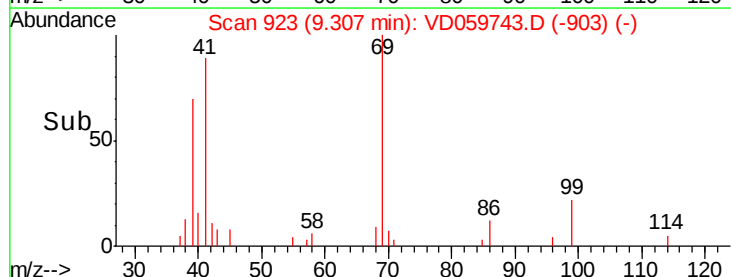
39 69.7 71.0 106.4#

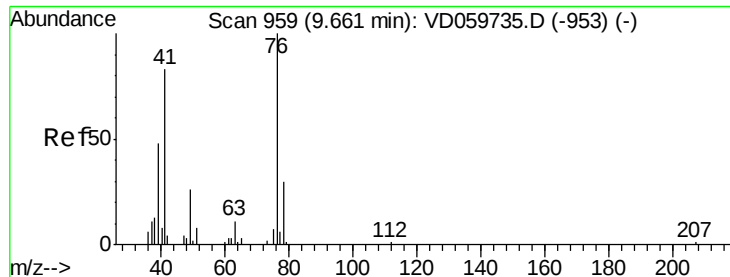


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 23.14 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

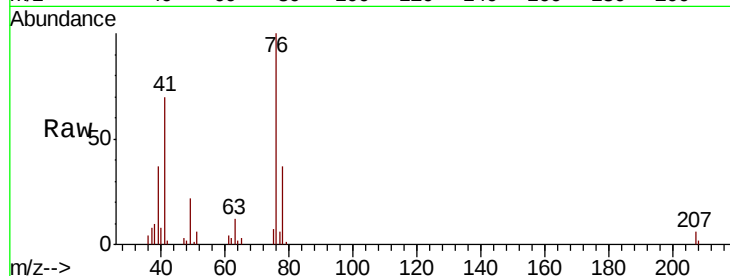
VD0813SBSD01

Tot Ion: 76 Resp: 43534

Ion Ratio Lower Upper

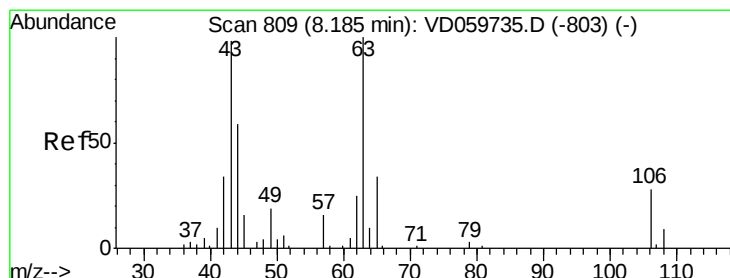
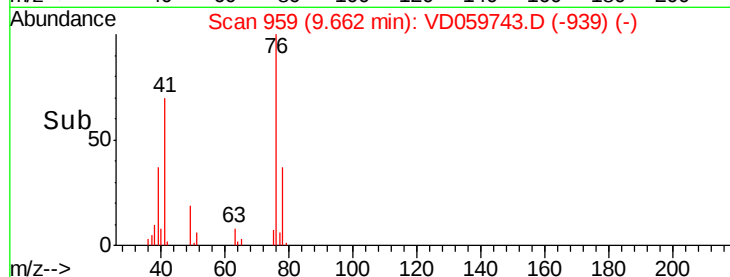
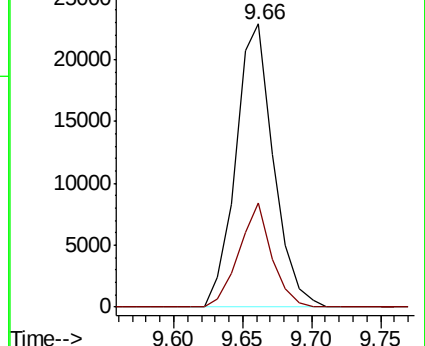
76 100

78 37.0 23.8 35.8#



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: 108.13 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD059743.D

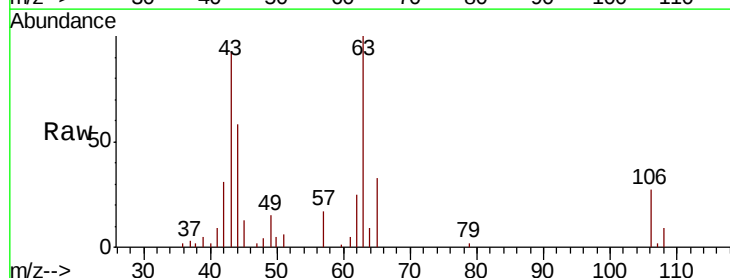
Acq: 13 Aug 2018 19:45

Tgt Ion: 63 Resp: 64496

Ion Ratio Lower Upper

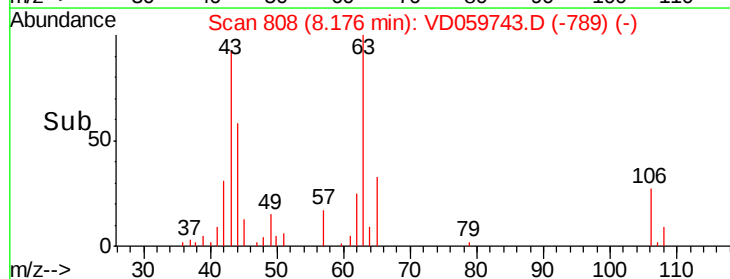
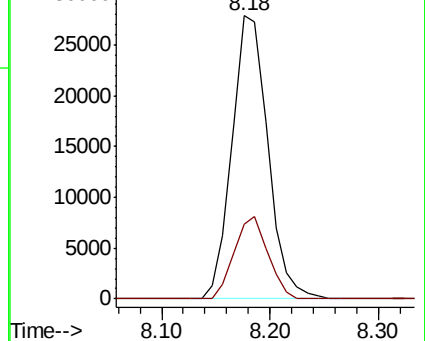
63 100

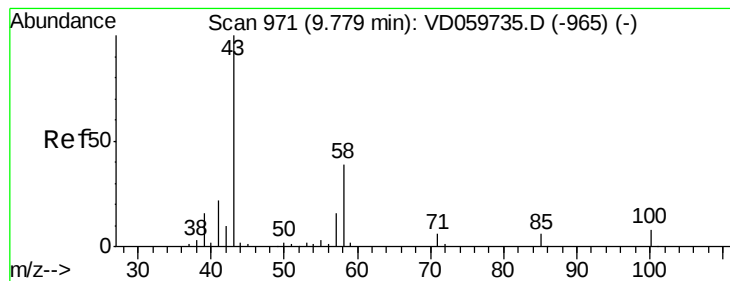
106 26.6 22.2 33.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





#59

2-Hexanone

Concen: 90.68 ug/l

RT: 9.78 min Scan# 971

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

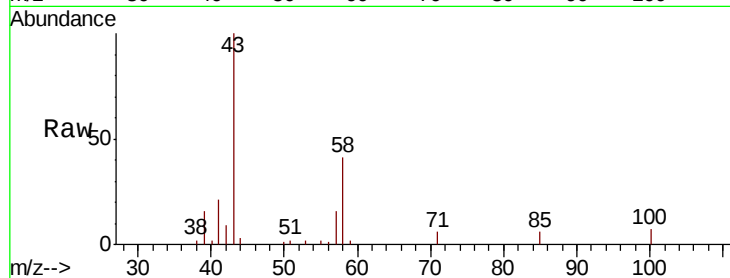
VD0813SBSD01

Tot Ion: 43 Resp: 74129

Ion Ratio Lower Upper

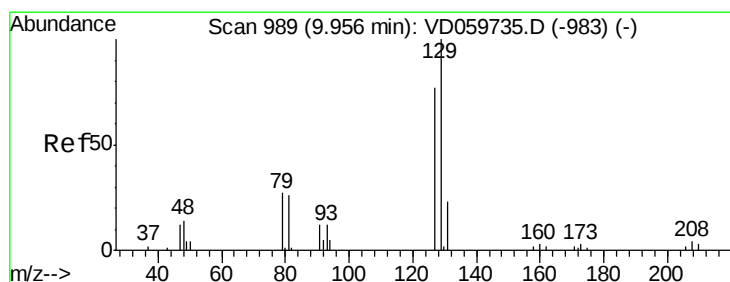
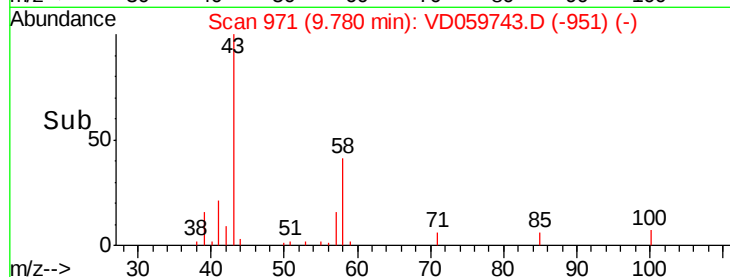
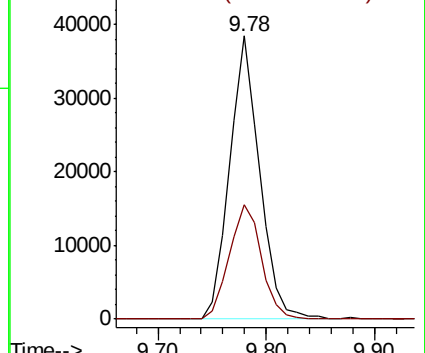
43 100

58 40.6 19.8 59.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 18.21 ug/l

RT: 9.96 min Scan# 989

Delta R.T. 0.00 min

Lab File: VD059743.D

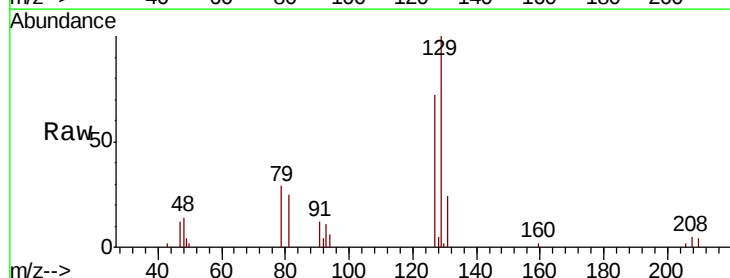
Acq: 13 Aug 2018 19:45

Tgt Ion:129 Resp: 39703

Ion Ratio Lower Upper

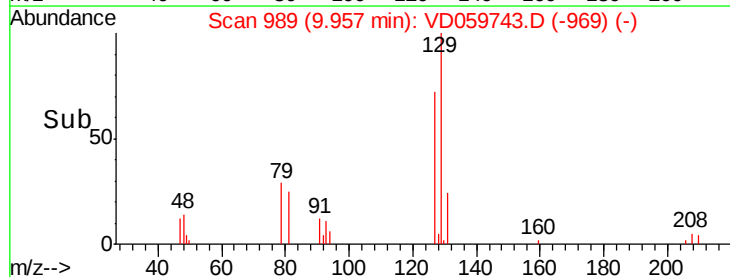
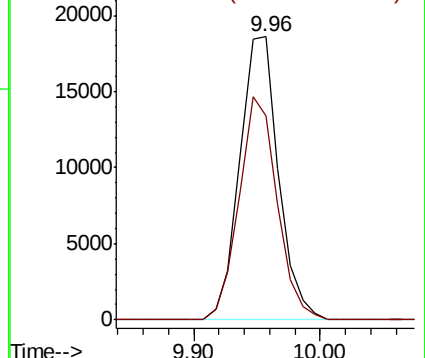
129 100

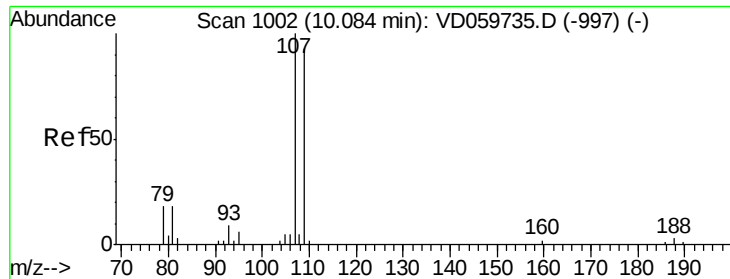
127 72.1 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 20.61 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

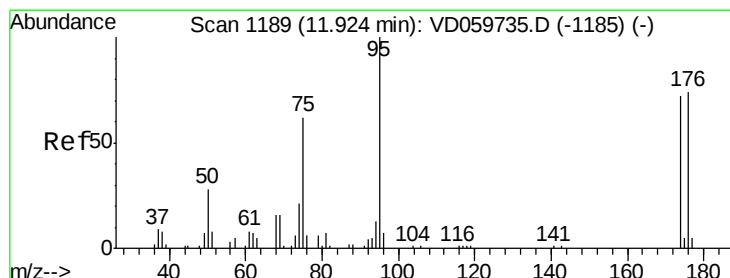
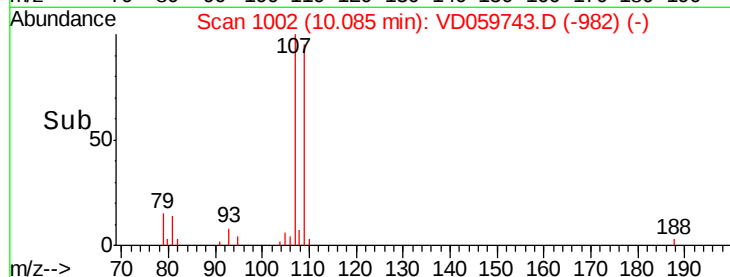
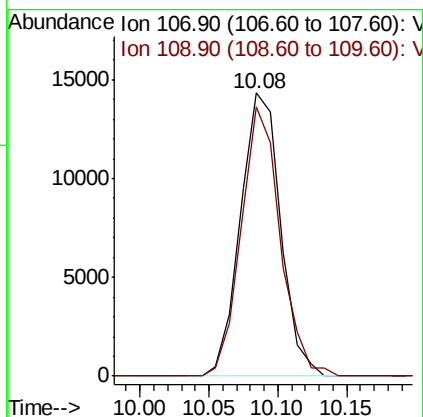
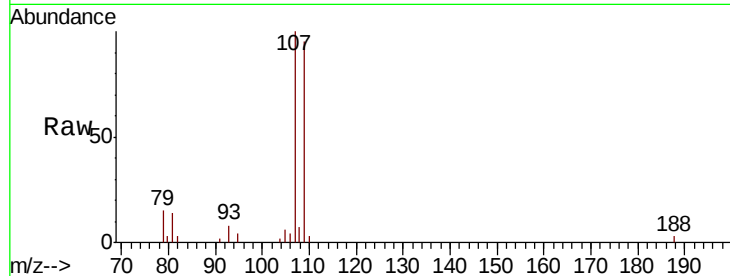
VD0813SBSD01

Tot Ion:107 Resp: 29123

Ion Ratio Lower Upper

107 100

109 95.2 74.3 111.5



#62

4-Bromofluorobenzene

Concen: 20.61 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

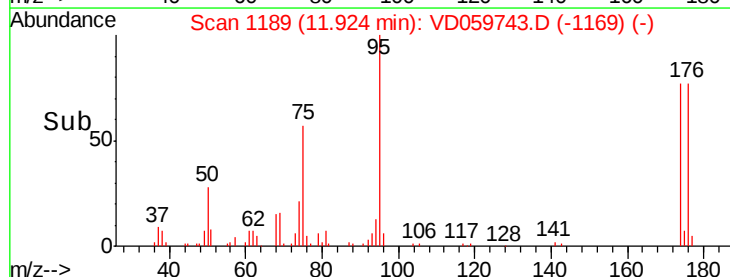
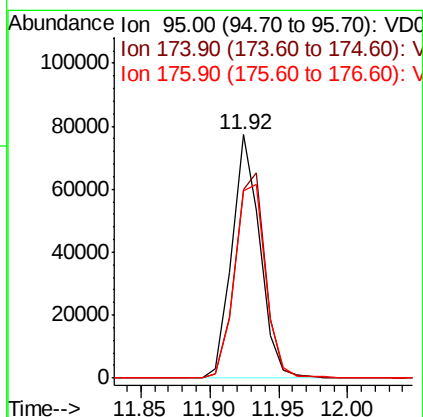
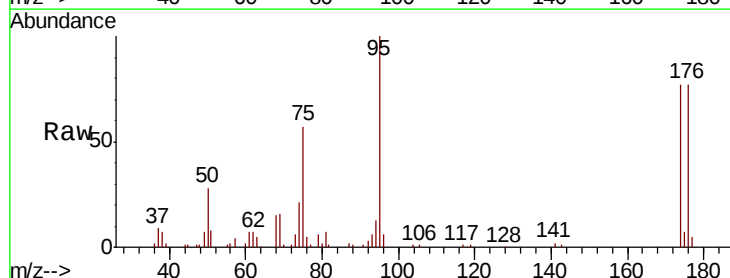
Tgt Ion: 95 Resp: 108844

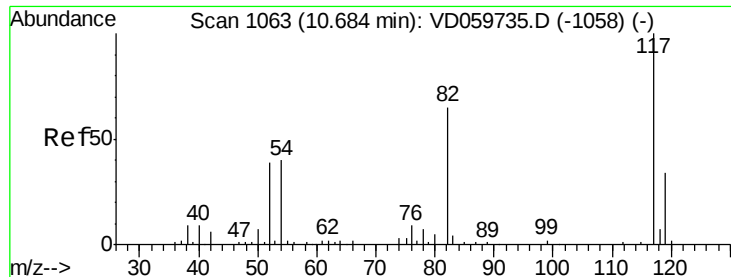
Ion Ratio Lower Upper

95 100

174 77.4 0.0 143.2

176 76.8 0.0 147.2

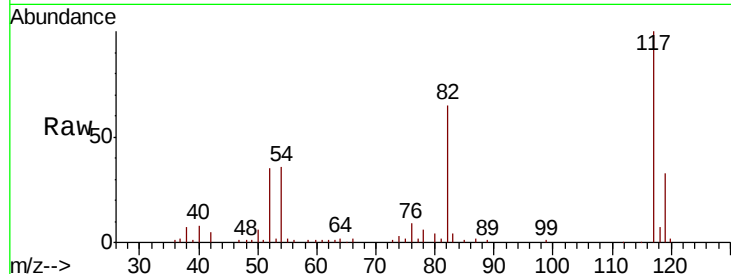




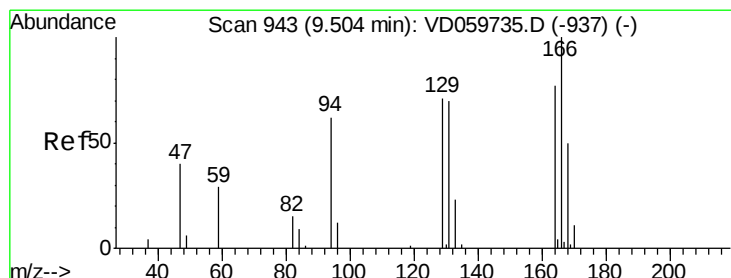
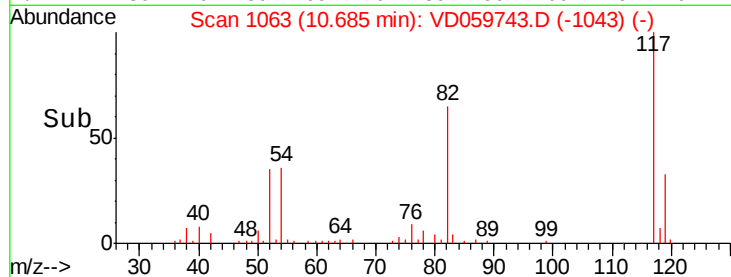
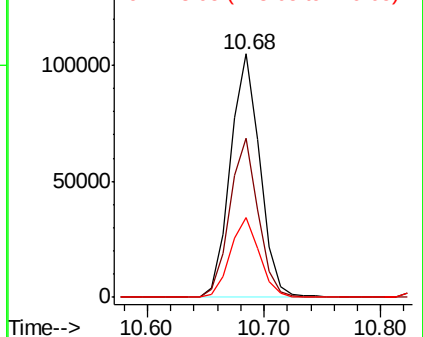
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

Tot Ion:117 Resp: 182893
Ion Ratio Lower Upper
117 100
82 65.1 51.9 77.9
119 32.9 27.4 41.0

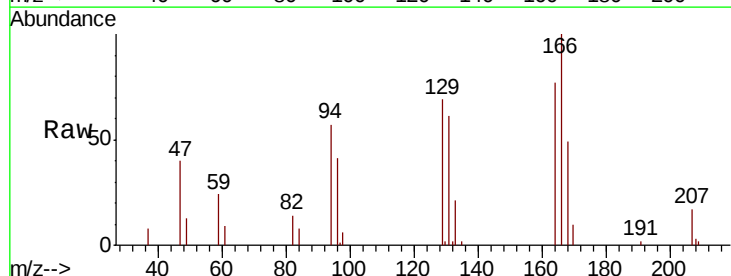


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

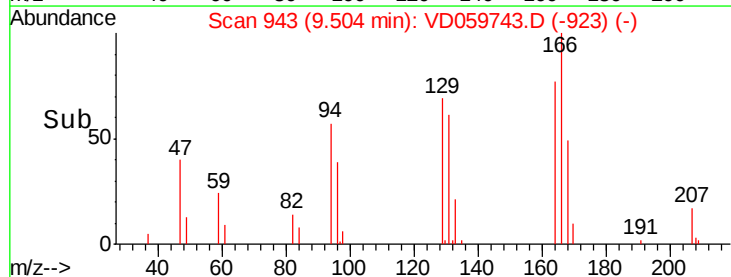
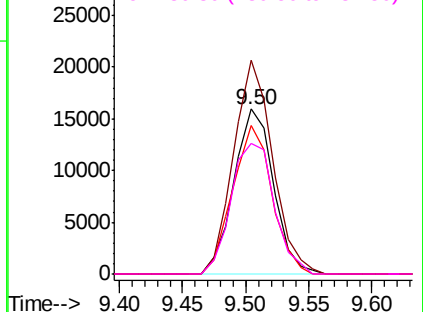


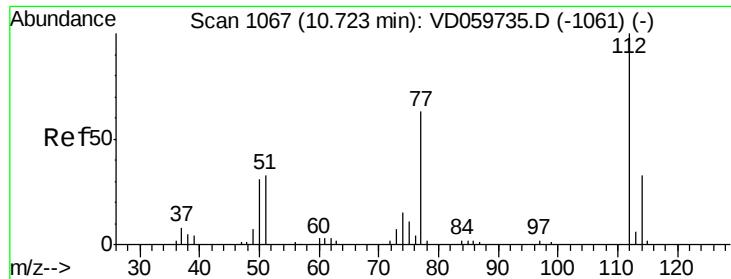
#64
Tetrachloroethene
Concen: 19.33 ug/l
RT: 9.50 min Scan# 943
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion:164 Resp: 34706
Ion Ratio Lower Upper
164 100
166 129.7 103.5 155.3
129 90.1 73.5 110.3
131 79.5 72.3 108.5



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

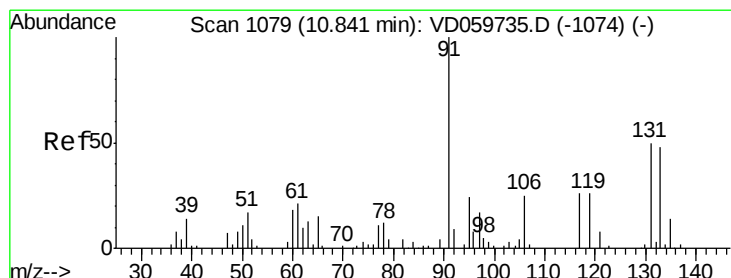
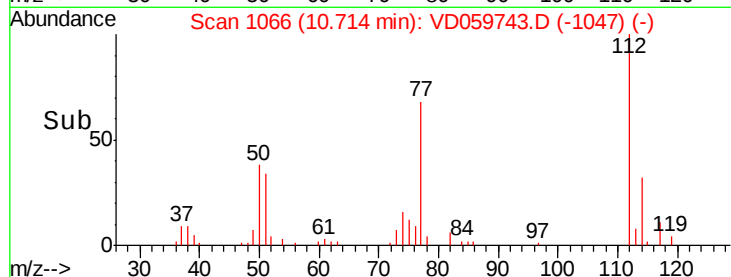
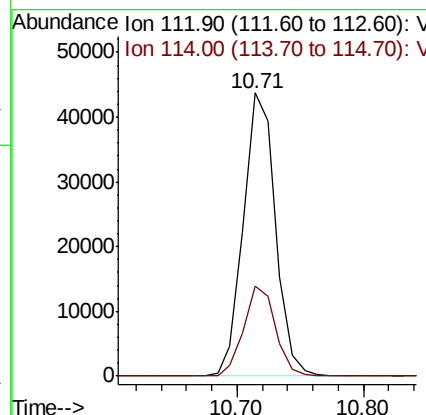
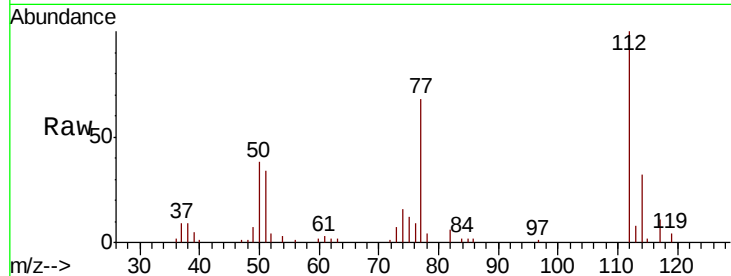




#65
Chlorobenzene
Concen: 20.52 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

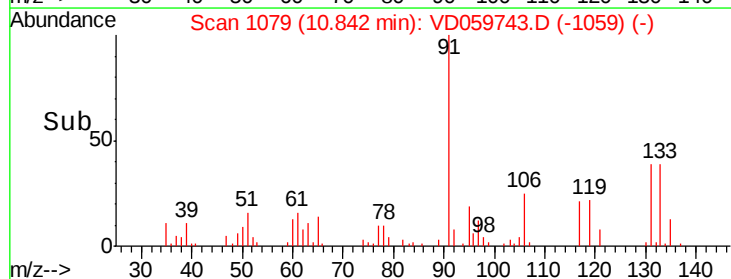
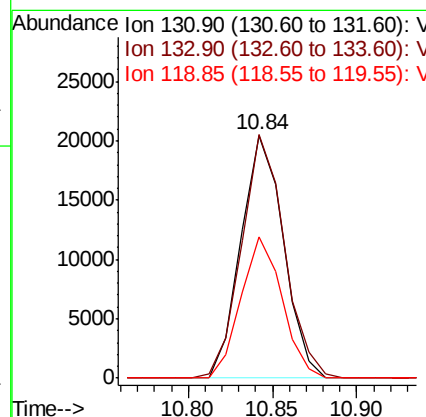
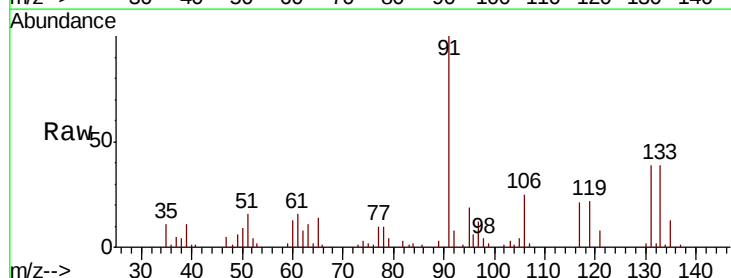
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

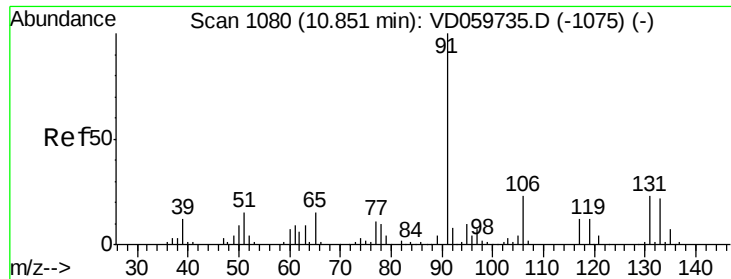
Tot Ion:112 Resp: 76590
Ion Ratio Lower Upper
112 100
114 31.7 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 18.90 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion:131 Resp: 35739
Ion Ratio Lower Upper
131 100
133 100.2 48.1 144.3
119 58.0 26.2 78.5

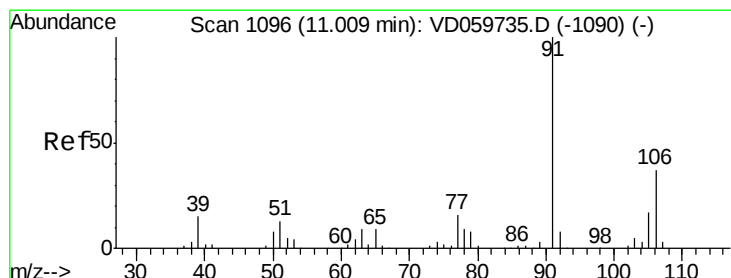
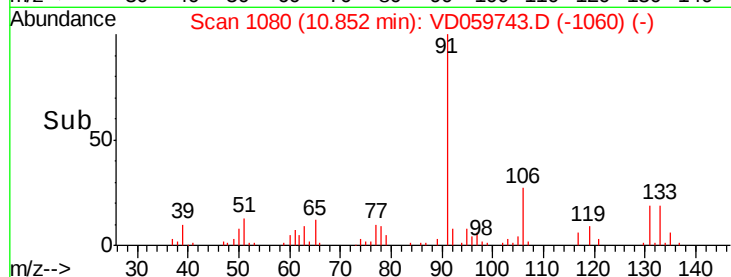
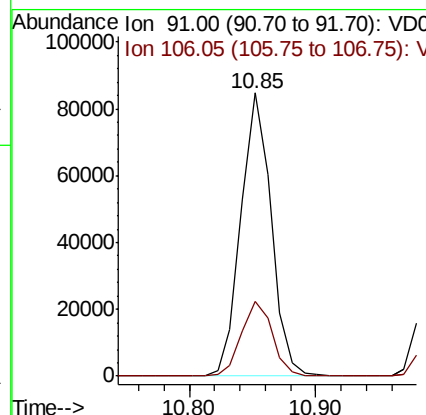
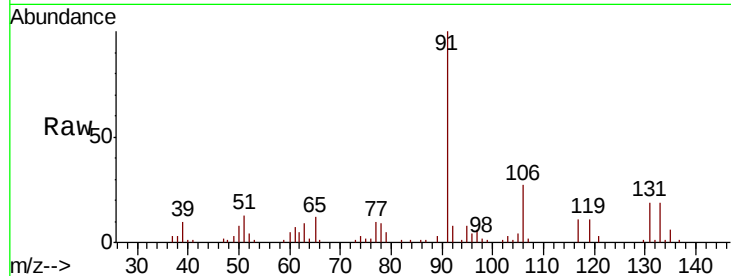




#67
Ethyl Benzene
Concen: 20.09 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

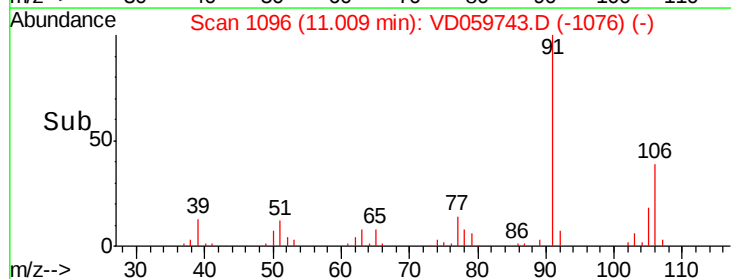
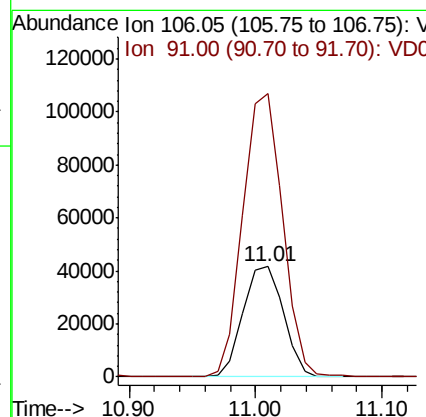
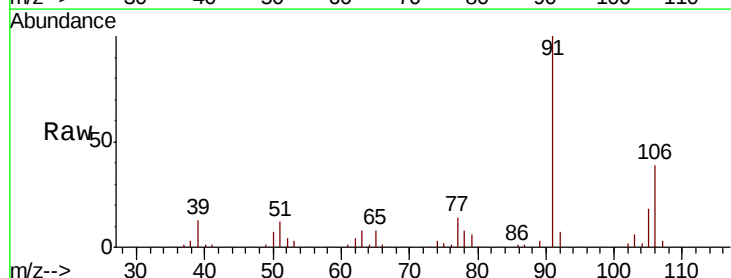
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

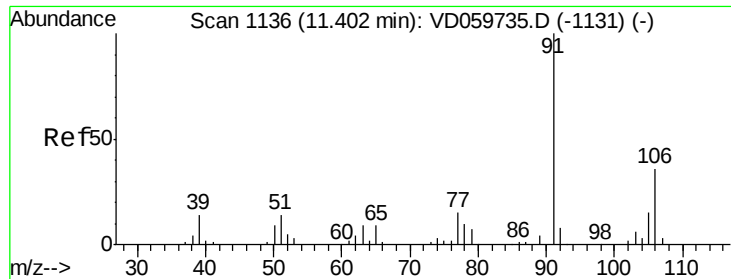
Tot Ion: 91 Resp: 140477
Ion Ratio Lower Upper
91 100
106 26.6 18.8 28.2



#68
m/p-Xylenes
Concen: 41.26 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion: 106 Resp: 92503
Ion Ratio Lower Upper
106 100
91 256.9 213.8 320.8

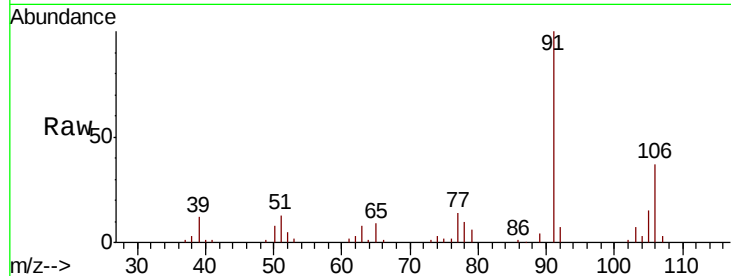




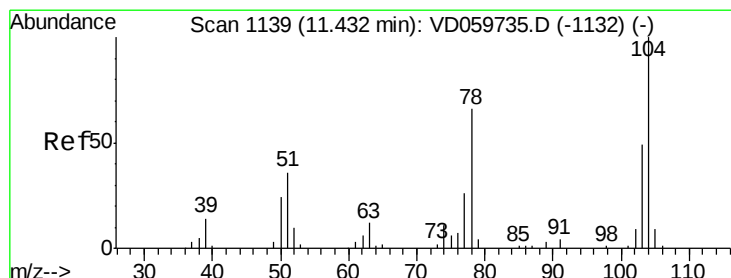
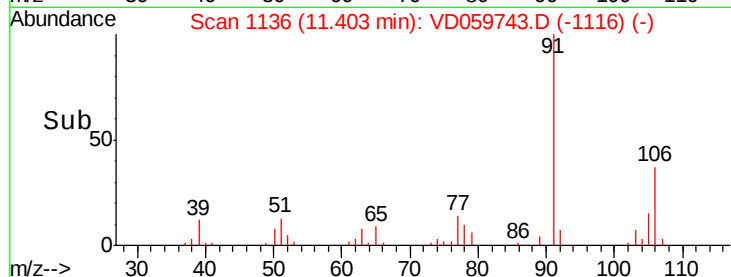
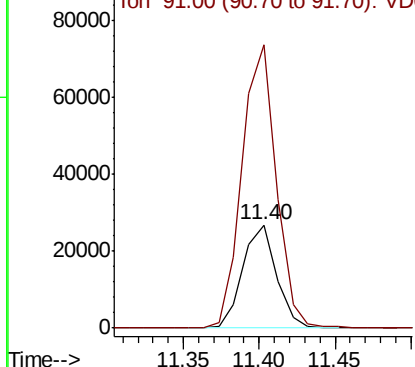
#69
o-Xylene
Concen: 19.11 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

Tot Ion:106 Resp: 41666
Ion Ratio Lower Upper
106 100
91 273.7 139.8 419.4

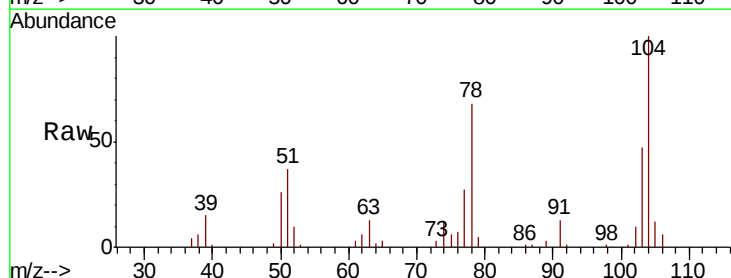


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

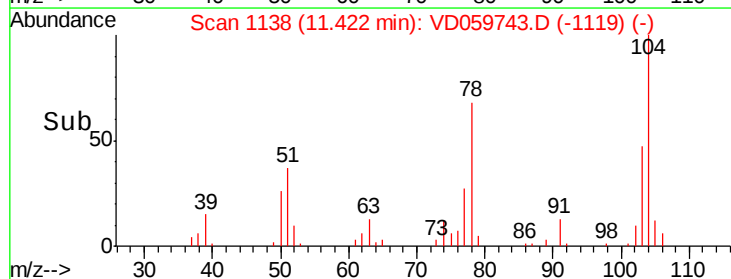
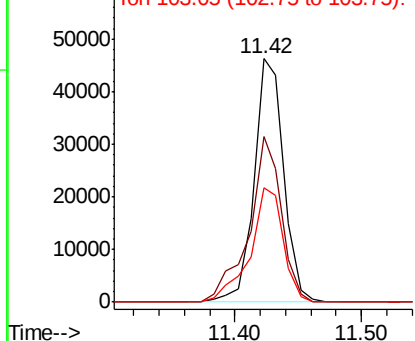


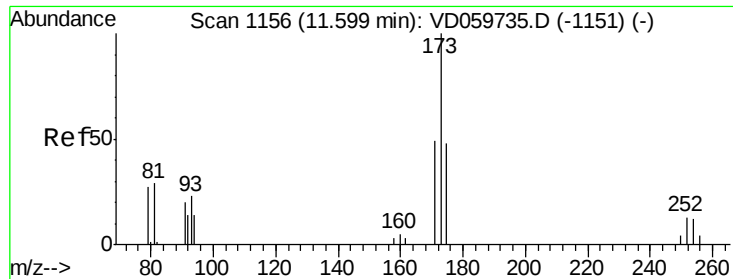
#70
Styrene
Concen: 21.02 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion:104 Resp: 75069
Ion Ratio Lower Upper
104 100
78 67.7 52.8 79.2
103 46.7 39.1 58.7



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

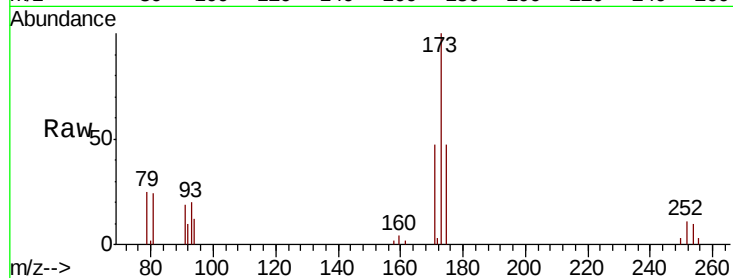




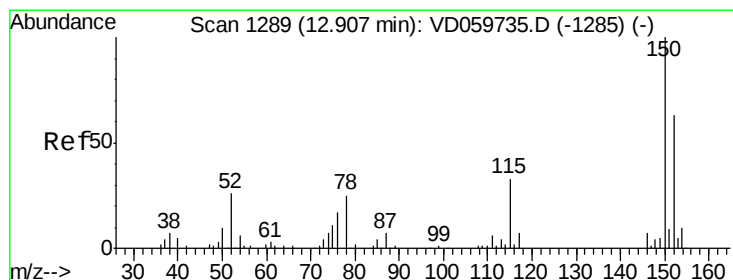
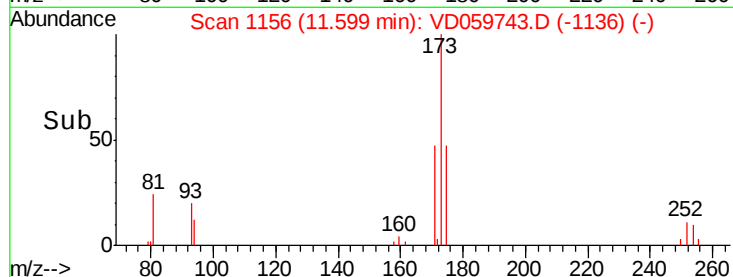
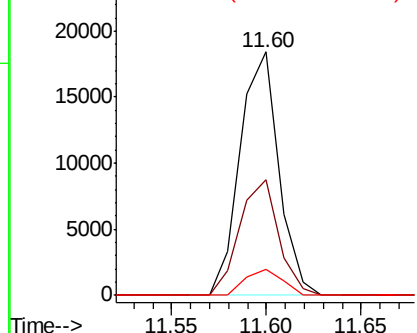
#71
Bromoform
Concen: 18.26 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

Tot Ion:173 Resp: 26109
Ion Ratio Lower Upper
173 100
175 47.4 24.1 72.2
254 10.4 9.3 13.9

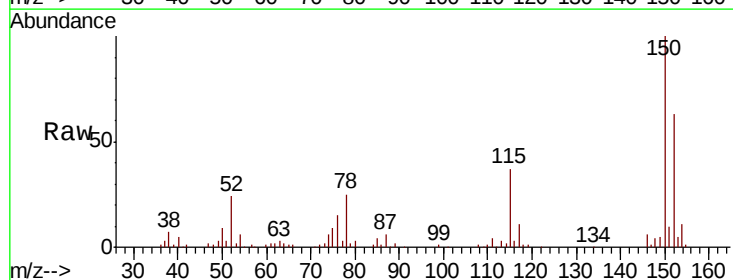


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

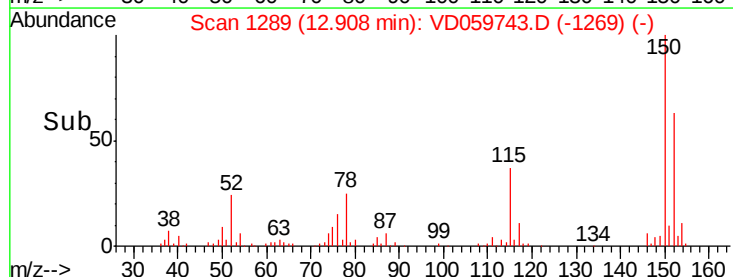
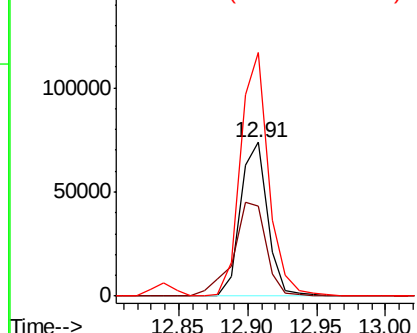


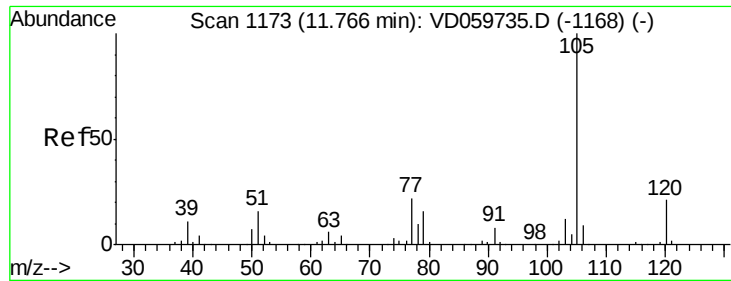
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion:152 Resp: 101414
Ion Ratio Lower Upper
152 100
115 58.3 29.8 89.3
150 158.7 0.0 320.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.64 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

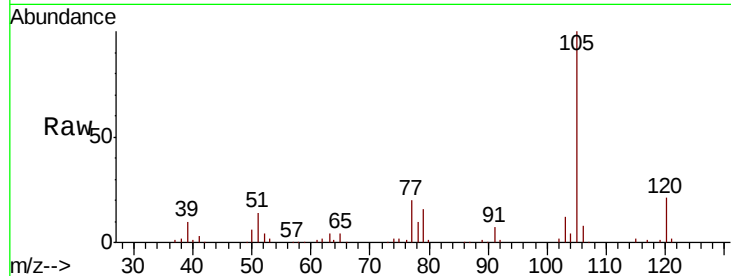
VD0813SBS01

Tot Ion:105 Resp: 142208

Ion Ratio Lower Upper

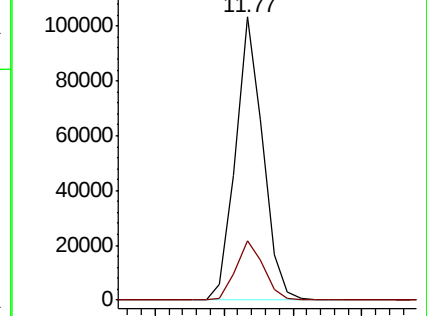
105 100

120 21.1 10.3 30.8

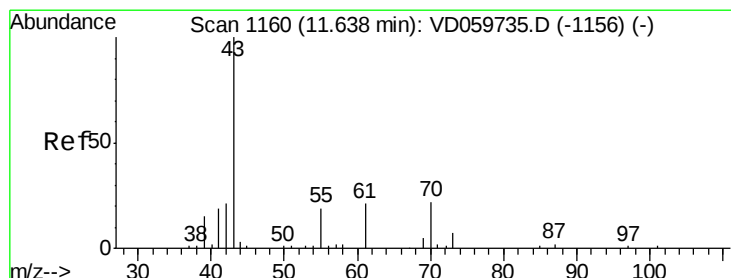
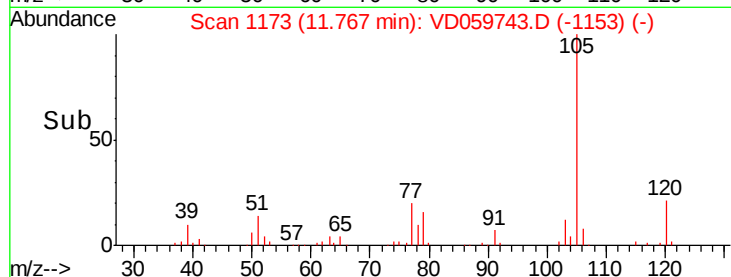


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 19.19 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Tgt Ion: 43 Resp: 37897

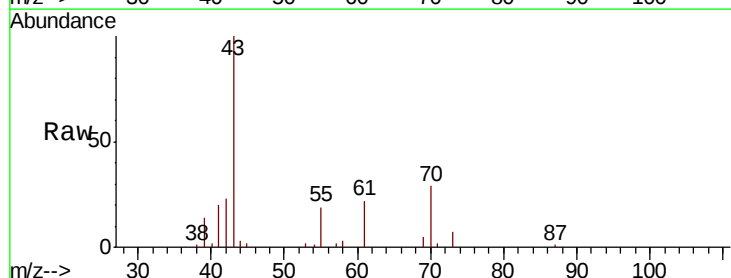
Ion Ratio Lower Upper

43 100

70 28.5 18.0 27.0#

55 19.4 14.8 22.2

61 21.7 17.1 25.7

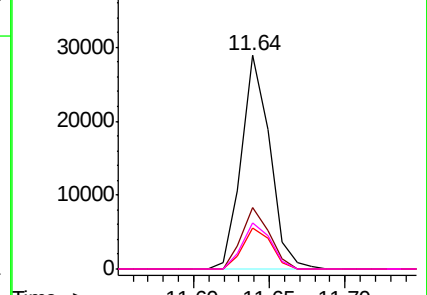


Abundance Ion 42.95 (42.65 to 43.65): V

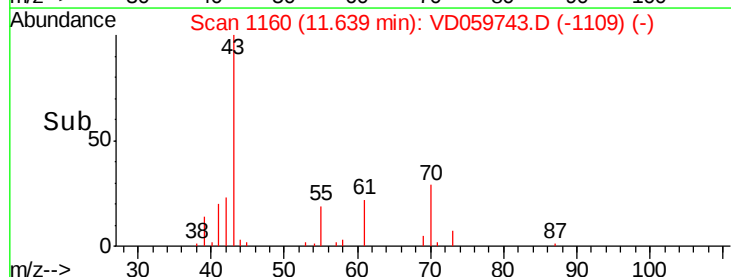
Ion 70.00 (69.70 to 70.70): V

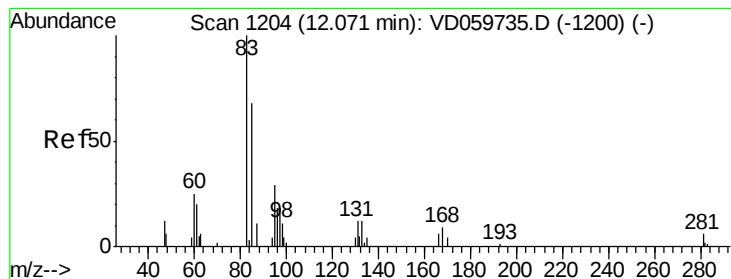
Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.14 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

VD0813BSD01

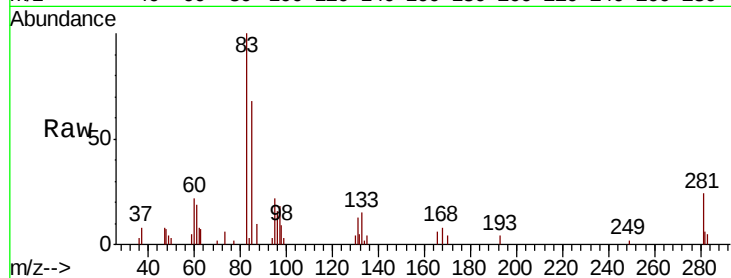
Tot Ion: 83 Resp: 25320

Ion Ratio Lower Upper

83 100

131 12.6 6.3 19.1

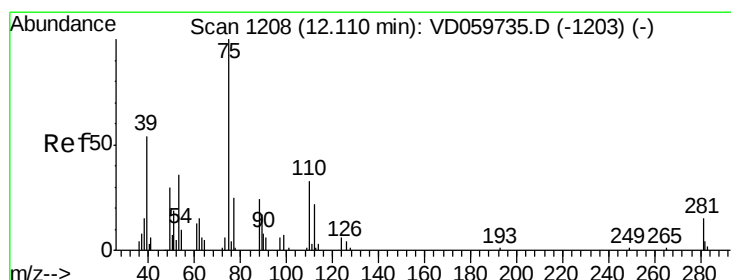
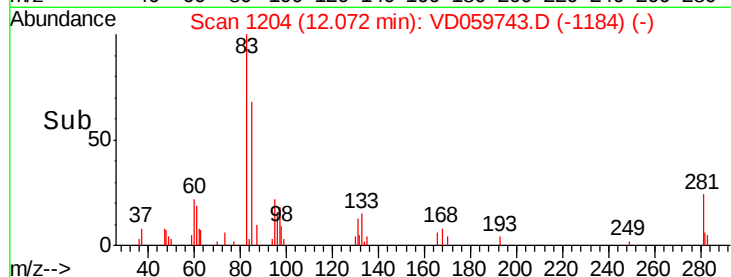
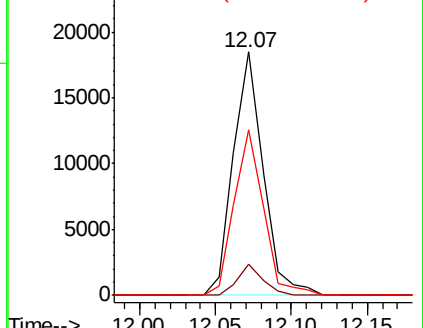
85 68.0 34.2 102.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.00 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD059743.D

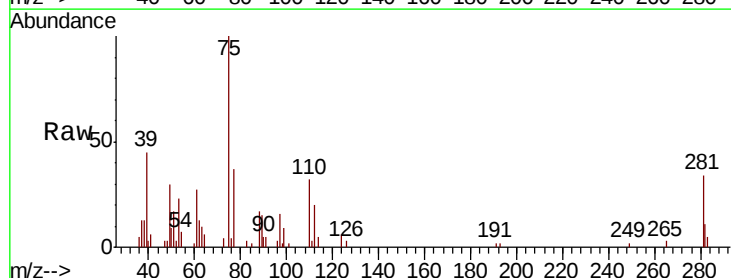
Acq: 13 Aug 2018 19:45

Tgt Ion: 75 Resp: 31497

Ion Ratio Lower Upper

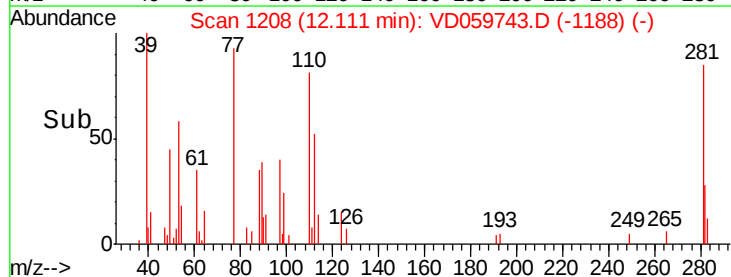
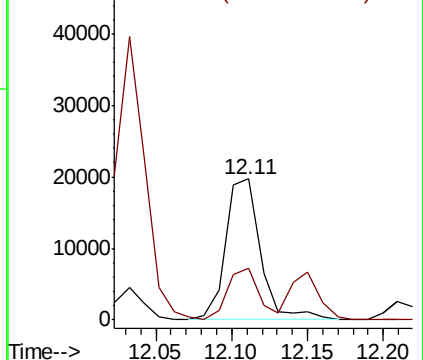
75 100

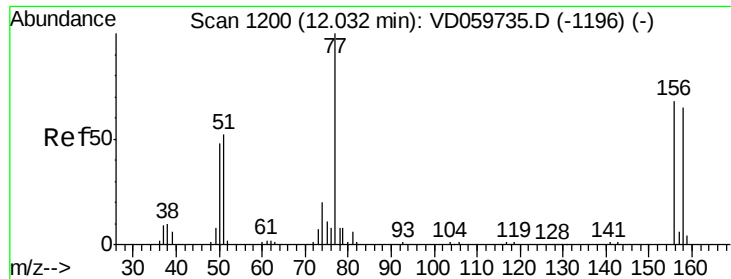
77 36.8 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

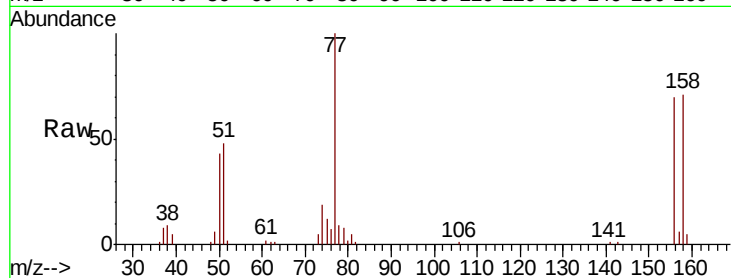




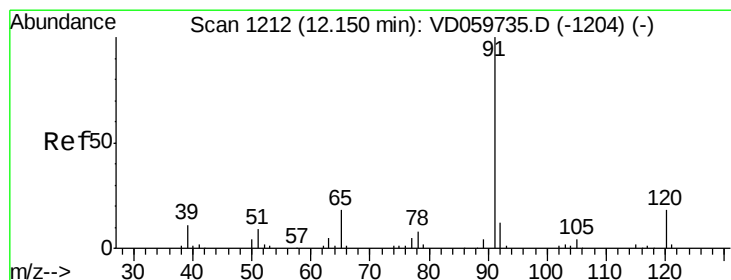
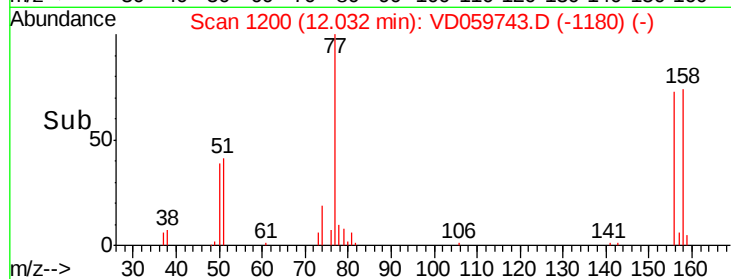
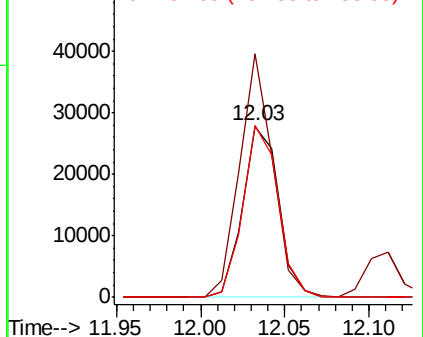
#77
Bromobenzene
Concen: 20.41 ug/l
RT: 12.03 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

Tot Ion:156 Resp: 41071
Ion Ratio Lower Upper
156 100
77 142.5 73.3 219.8
158 100.6 47.5 142.5

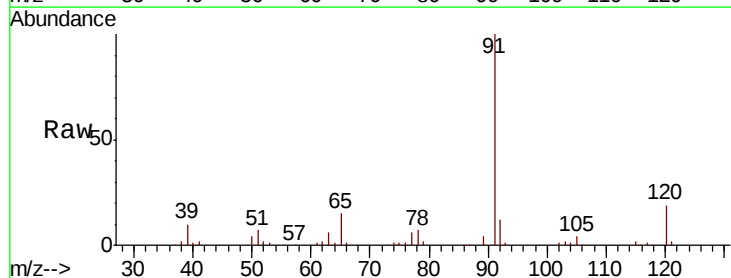


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

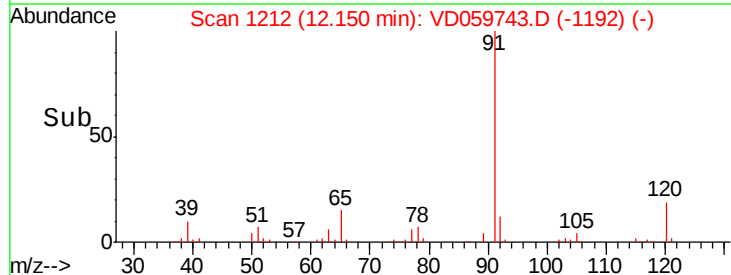
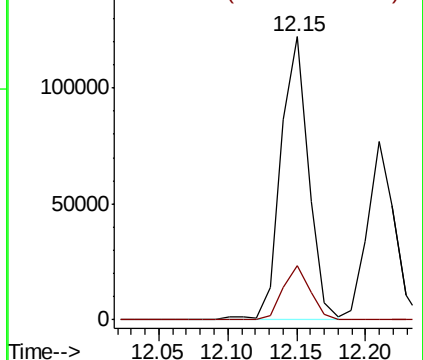


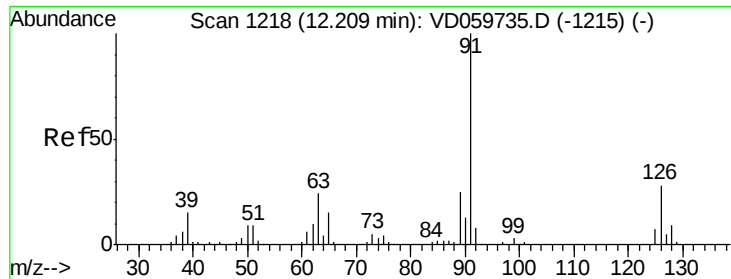
#78
n-propylbenzene
Concen: 20.15 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion: 91 Resp: 168618
Ion Ratio Lower Upper
91 100
120 19.3 8.9 26.7



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

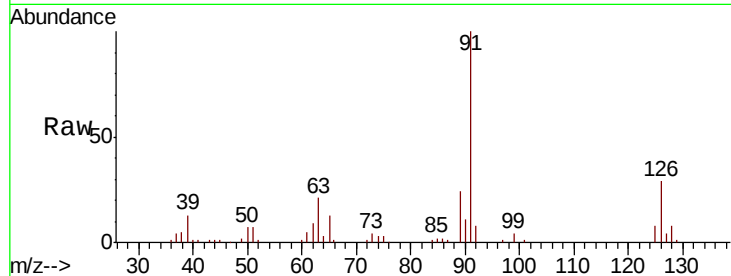




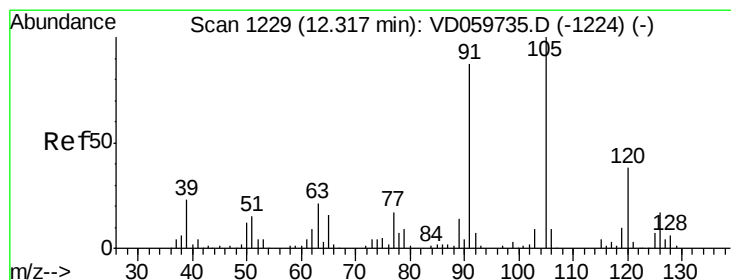
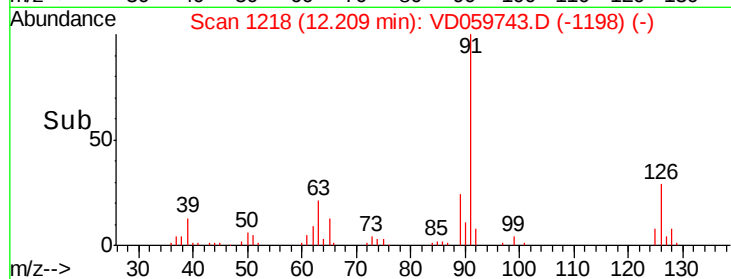
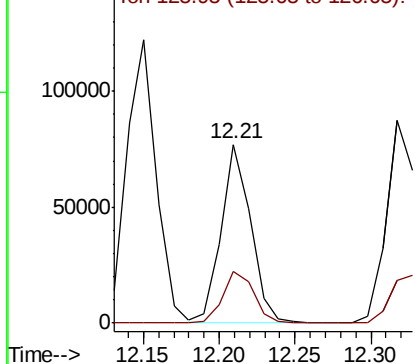
#79
 2-Chlorotoluene
 Concen: 19.62 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD01

Tot Ion: 91 Resp: 103958
 Ion Ratio Lower Upper
 91 100
 126 29.2 13.3 39.9

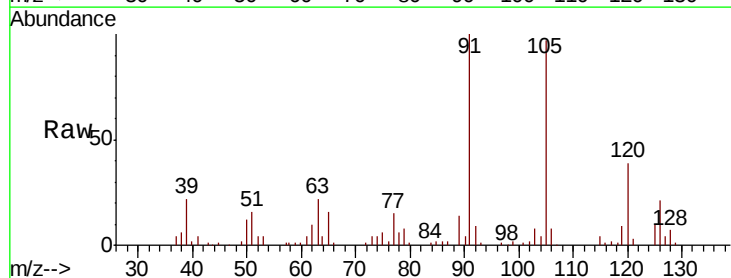


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

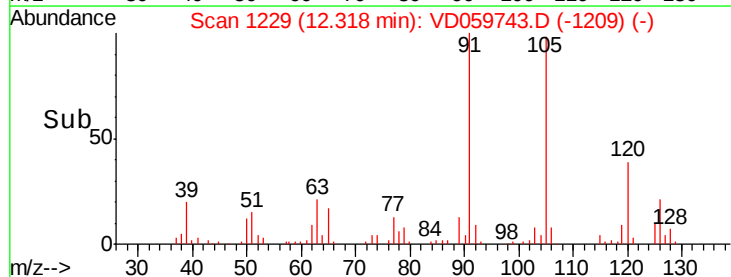
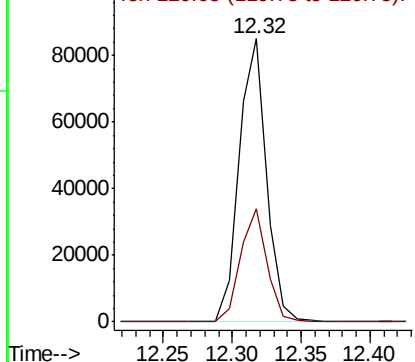


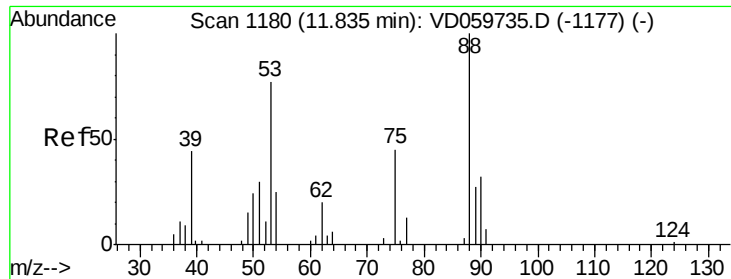
#80
 1,3,5-Trimethylbenzene
 Concen: 19.67 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

Tgt Ion:105 Resp: 117409
 Ion Ratio Lower Upper
 105 100
 120 40.0 19.2 57.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 20.36 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD059743.D

Acq: 13 Aug 2018 19:45

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBSD01

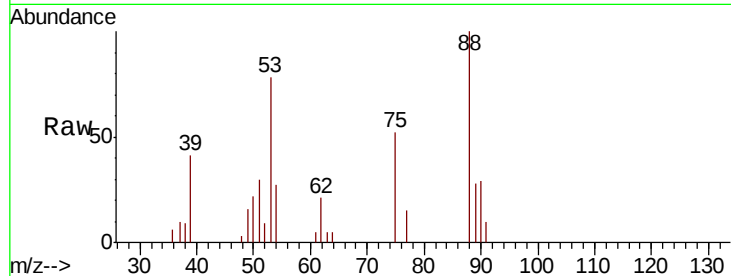
Tot Ion: 75 Resp: 6879

Ion Ratio Lower Upper

75 100

53 152.1 137.5 206.3

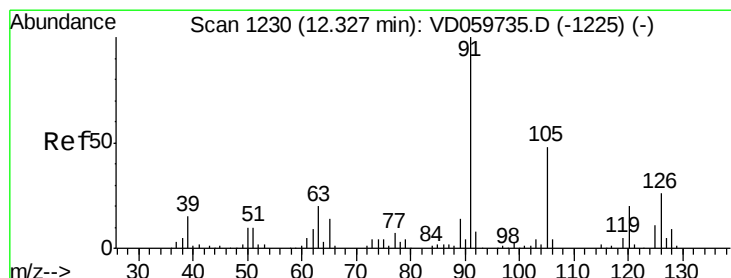
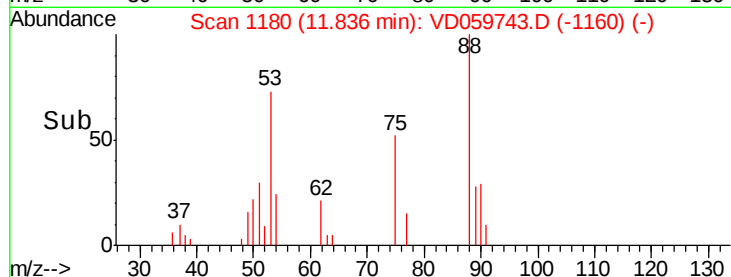
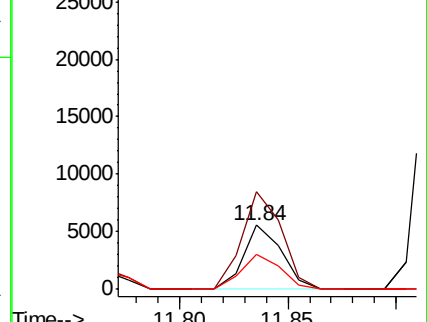
89 53.5 48.3 72.5



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: 19.77 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059743.D

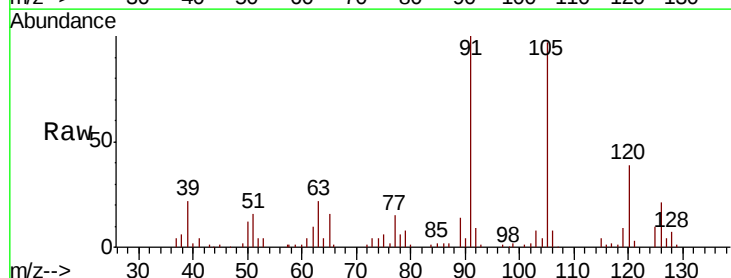
Acq: 13 Aug 2018 19:45

Tgt Ion: 91 Resp: 123535

Ion Ratio Lower Upper

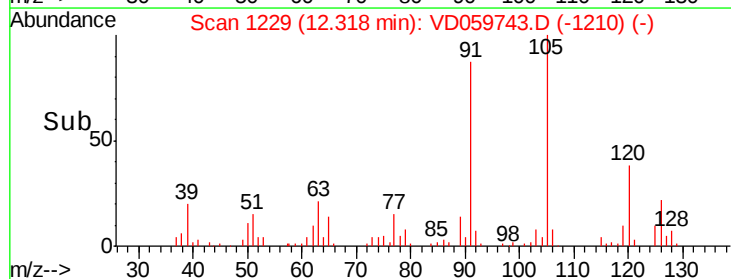
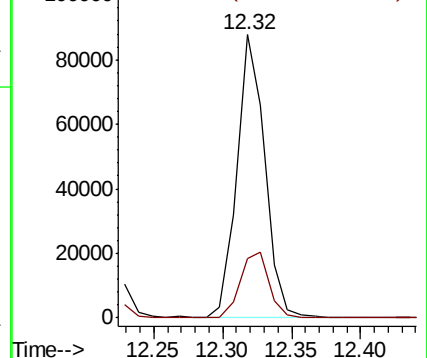
91 100

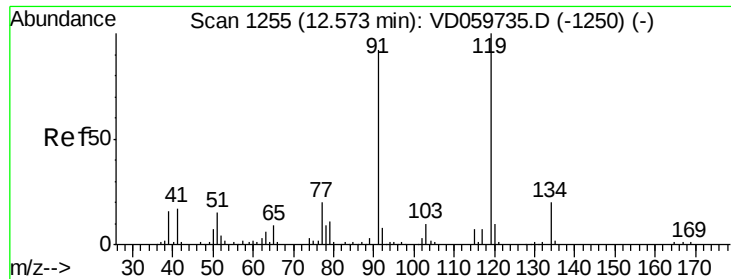
126 21.2 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

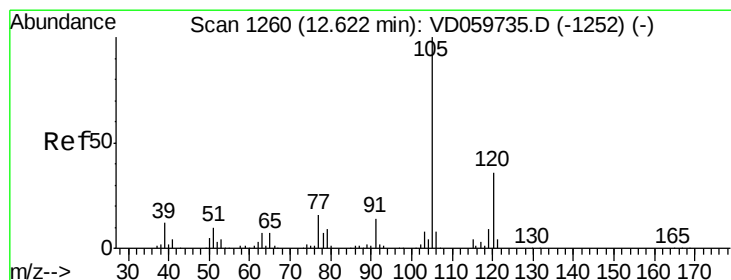
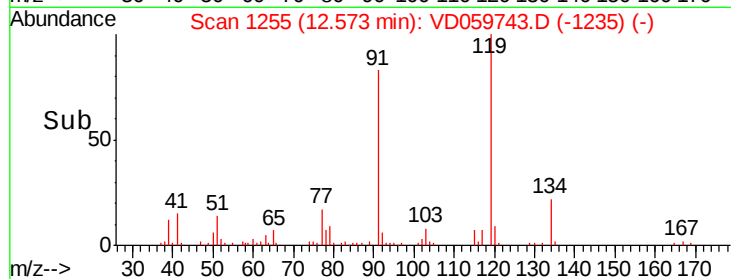
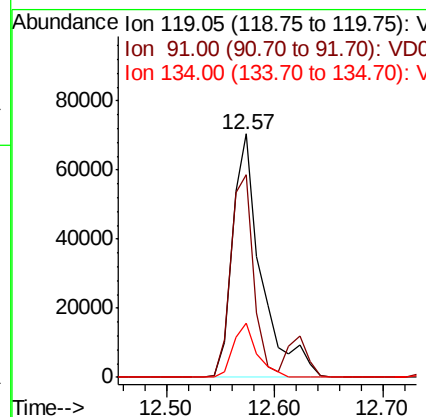
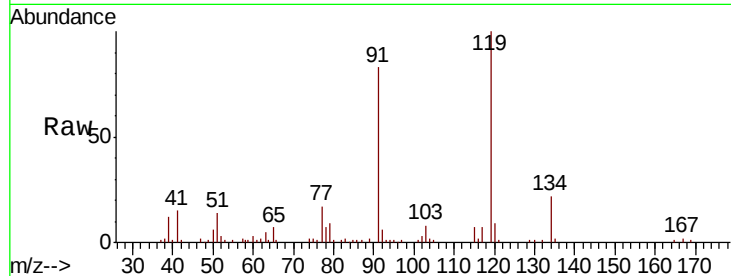




#83
 tert-Butylbenzene
 Concen: 20.00 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

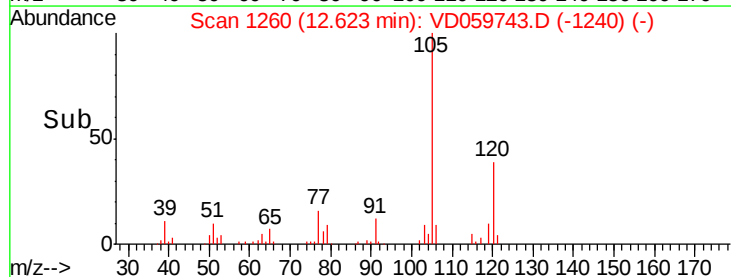
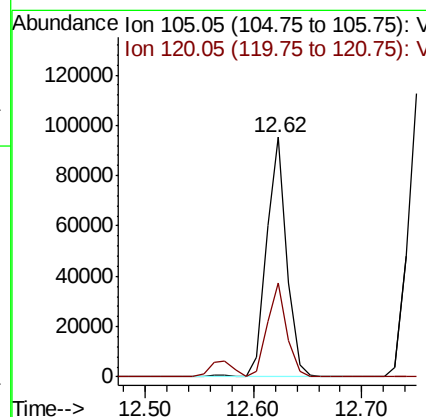
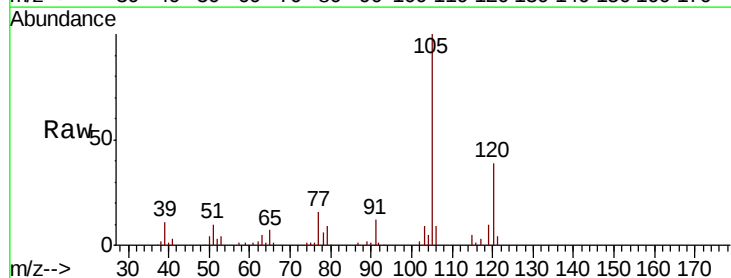
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD01

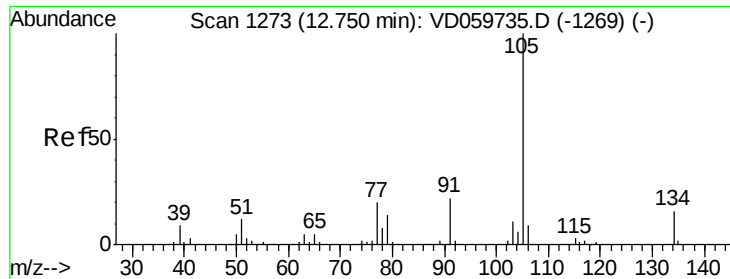
Tot Ion:	119	Resp:	129867
Ion	Ratio	Lower	Upper
119	100		
91	83.0	46.1	138.2
134	22.1	9.9	29.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.02 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

Tgt Ion:	105	Resp:	123290
Ion	Ratio	Lower	Upper
105	100		
120	39.0	17.9	53.7

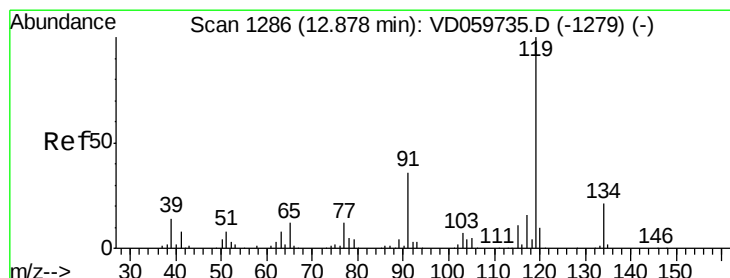
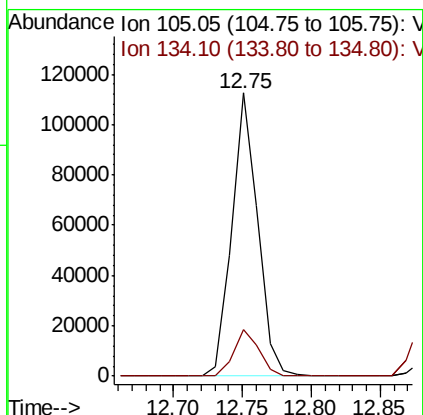
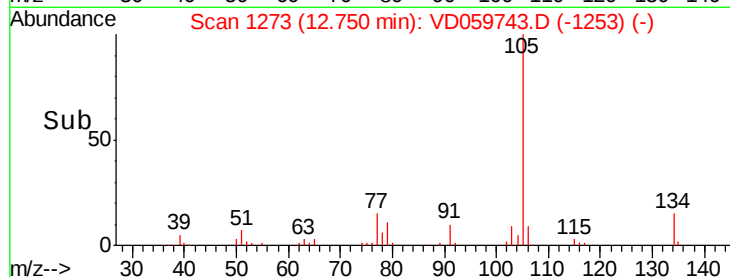
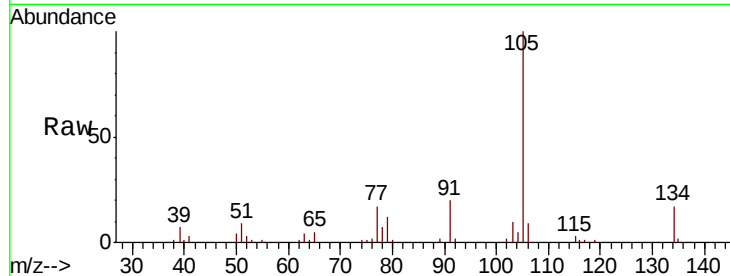




#85
 sec-Butylbenzene
 Concen: 21.21 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

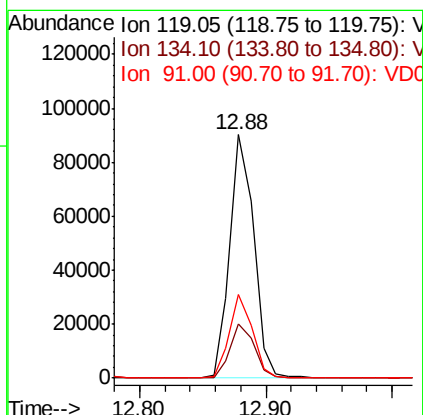
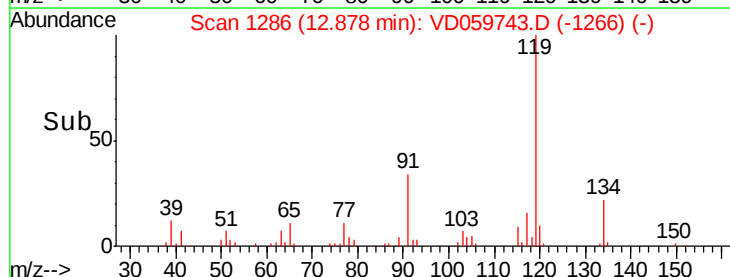
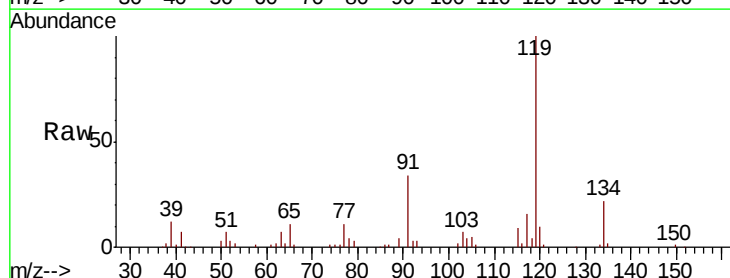
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD01

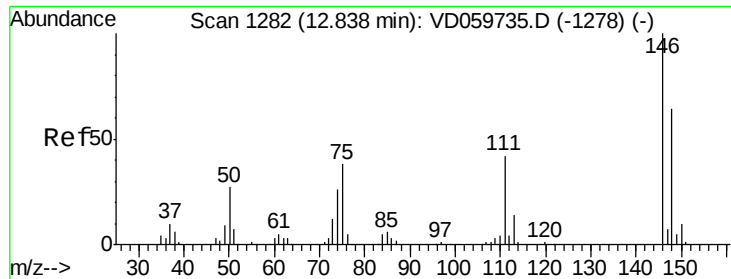
Tot Ion:105 Resp: 146362
 Ion Ratio Lower Upper
 105 100
 134 16.5 7.8 23.4



#86
 p-Isopropyltoluene
 Concen: 19.06 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

Tgt Ion:119 Resp: 118522
 Ion Ratio Lower Upper
 119 100
 134 22.4 10.5 31.6
 91 34.2 17.9 53.7

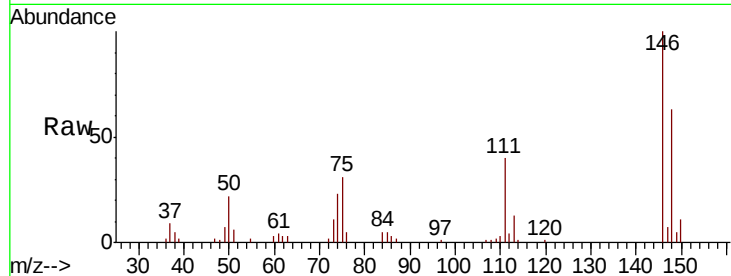




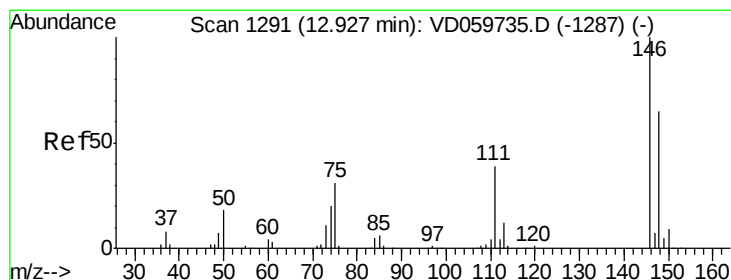
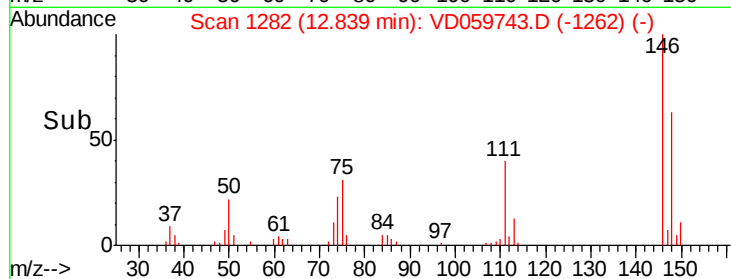
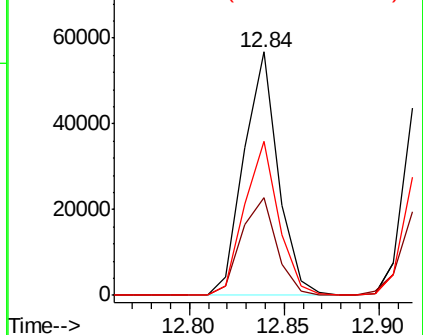
#87
 1,3-Dichlorobenzene
 Concen: 20.80 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD01

Tot Ion:146 Resp: 70868
 Ion Ratio Lower Upper
 146 100
 111 40.1 21.1 63.3
 148 63.3 32.2 96.6

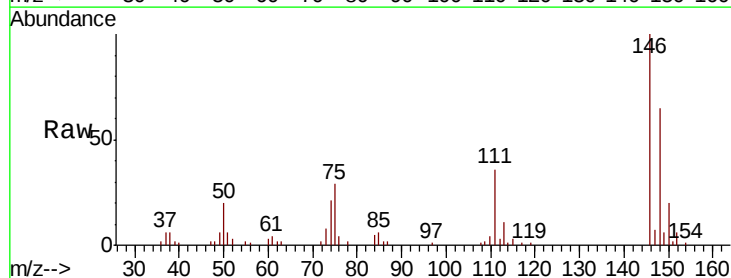


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

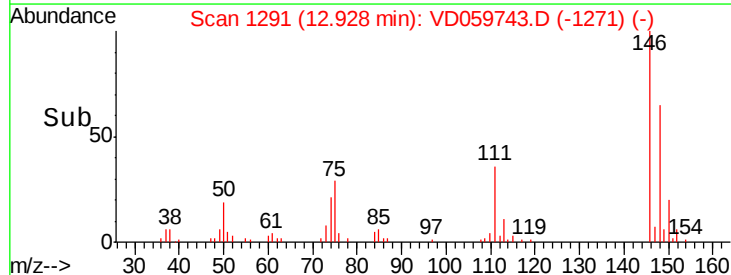
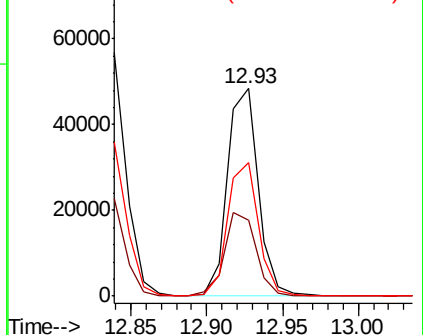


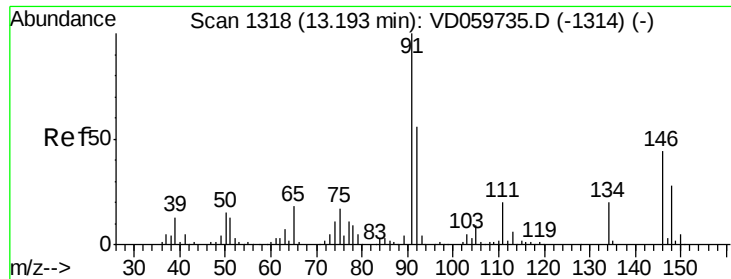
#88
 1,4-Dichlorobenzene
 Concen: 20.09 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

Tgt Ion:146 Resp: 68428
 Ion Ratio Lower Upper
 146 100
 111 36.5 19.7 59.0
 148 64.5 32.4 97.2



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

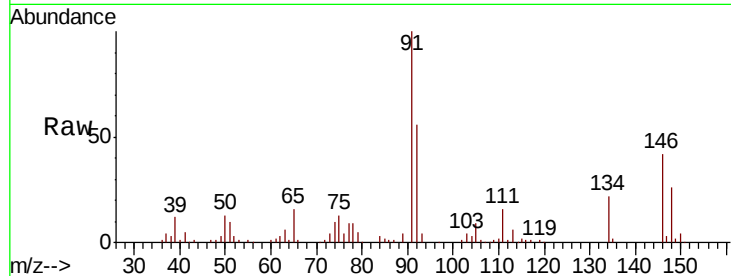




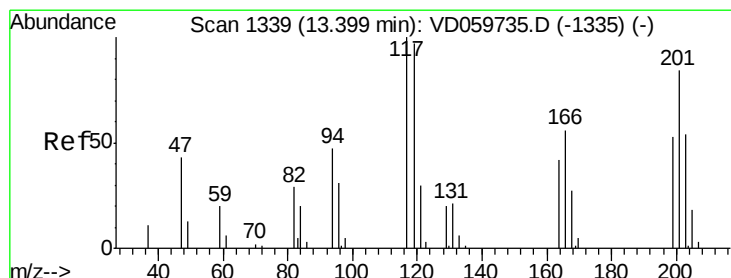
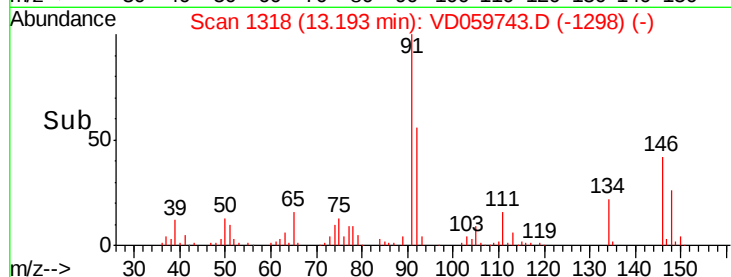
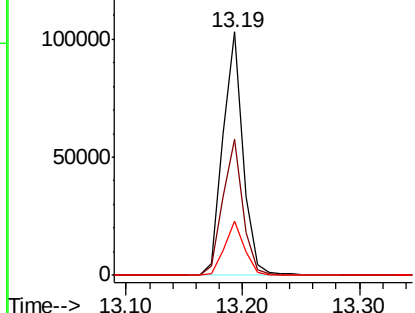
#89
n-Butylbenzene
Concen: 20.02 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

Tot Ion: 91 Resp: 123099
Ion Ratio Lower Upper
91 100
92 56.0 28.1 84.4
134 22.0 10.3 30.8

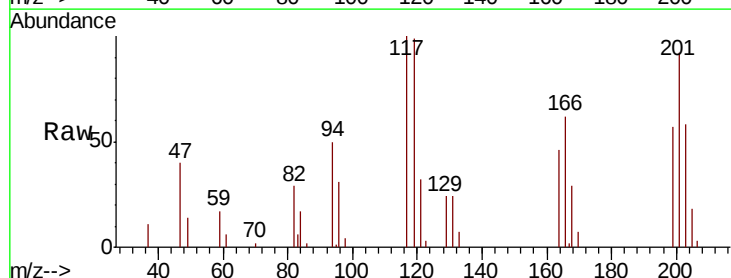


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

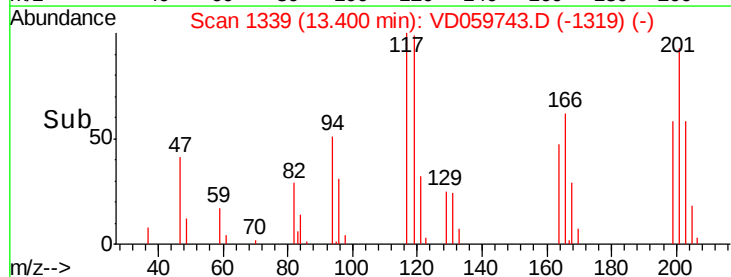
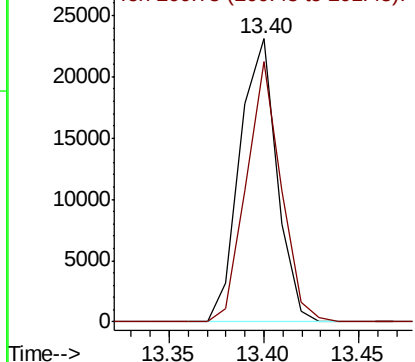


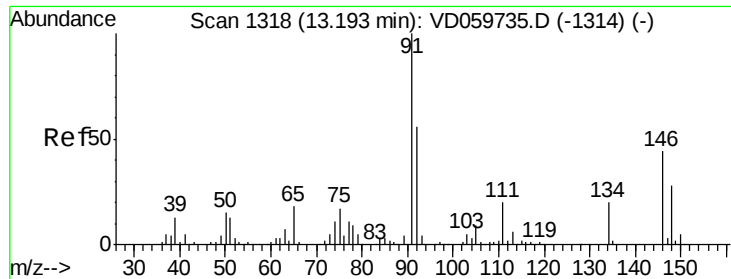
#90
Hexachloroethane
Concen: 19.36 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion: 117 Resp: 31235
Ion Ratio Lower Upper
117 100
201 92.1 41.9 125.7



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

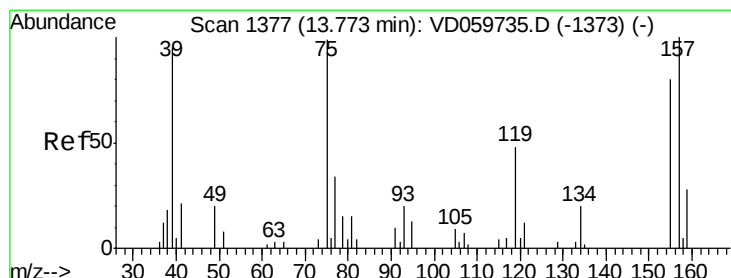
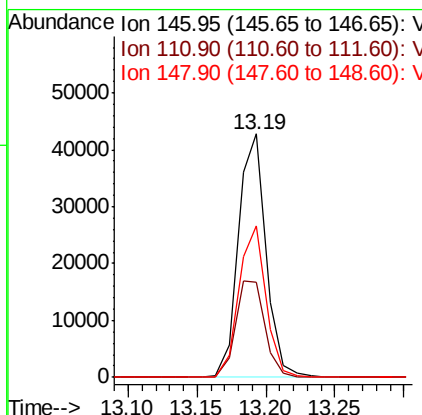
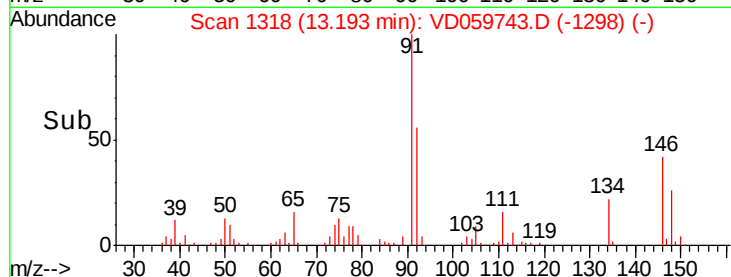
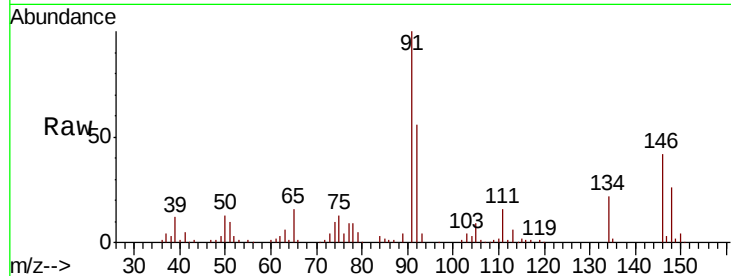




#91
 1,2-Dichlorobenzene
 Concen: 20.63 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

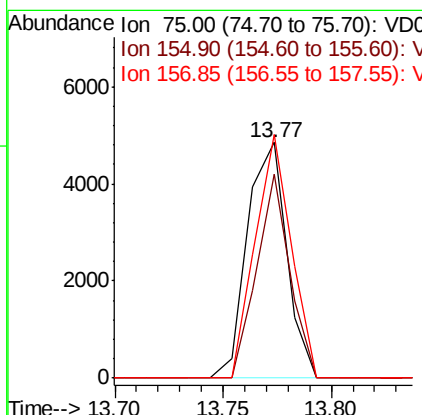
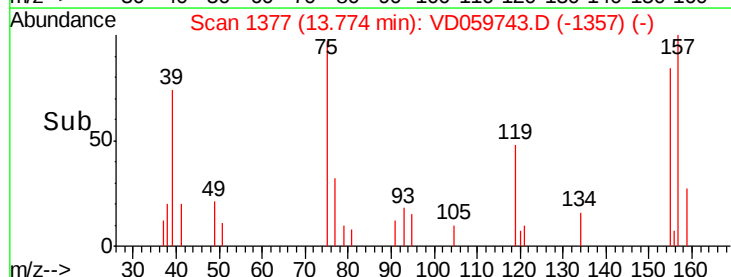
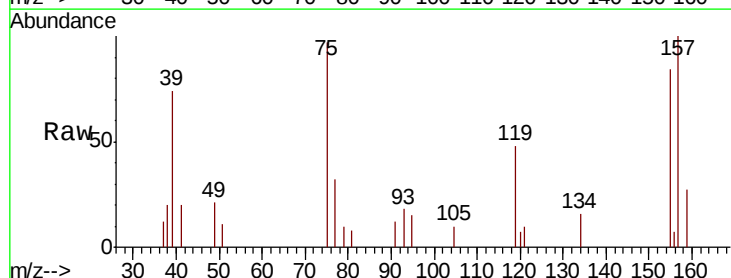
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD01

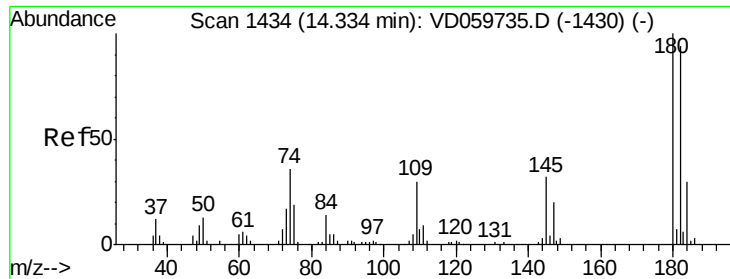
Tot Ion:146 Resp: 59698
 Ion Ratio Lower Upper
 146 100
 111 38.8 22.9 68.5
 148 62.1 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.72 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

Tgt Ion: 75 Resp: 6176
 Ion Ratio Lower Upper
 75 100
 155 86.6 40.4 121.1
 157 103.4 50.5 151.6

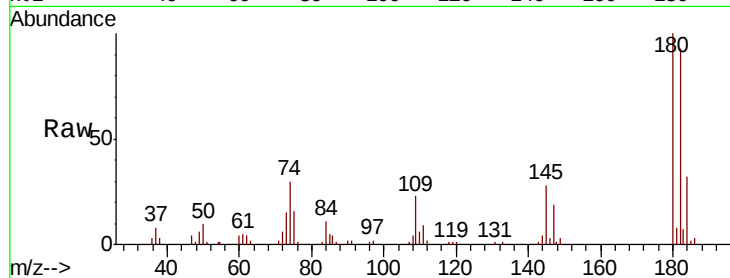




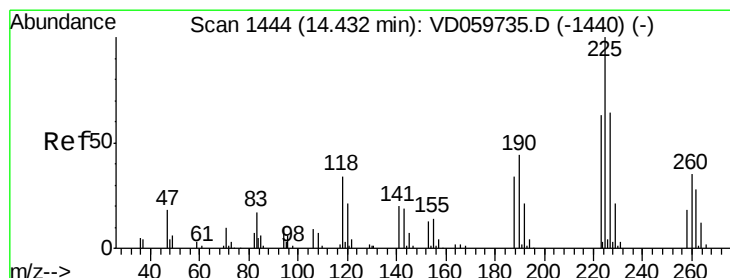
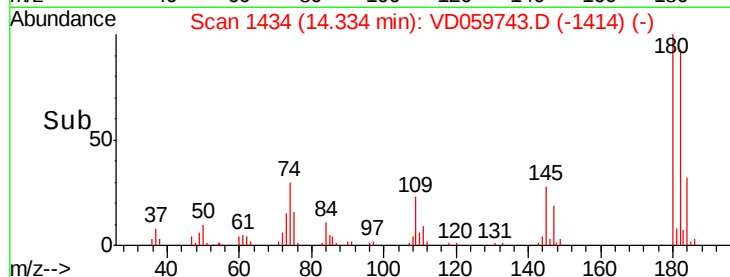
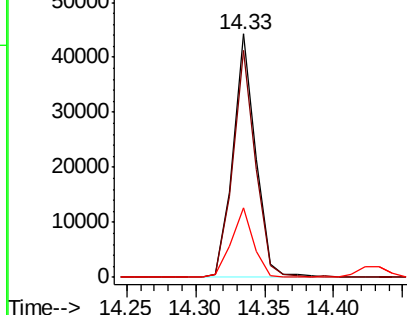
#93
 1,2,4-Trichlorobenzene
 Concen: 18.37 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD01

Tot Ion:180 Resp: 50477
 Ion Ratio Lower Upper
 180 100
 182 93.0 47.1 141.4
 145 28.4 15.8 47.3

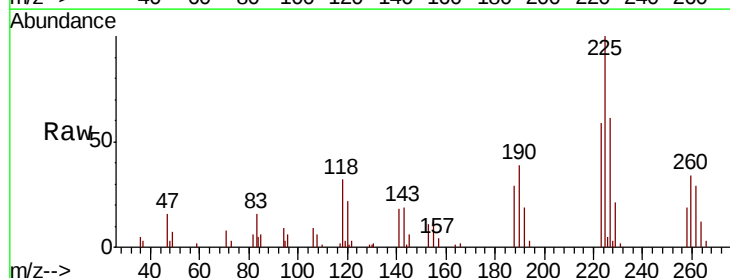


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

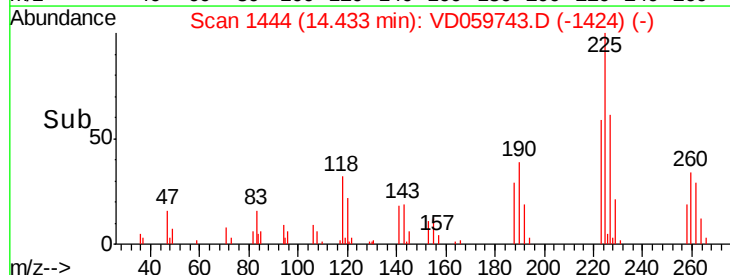
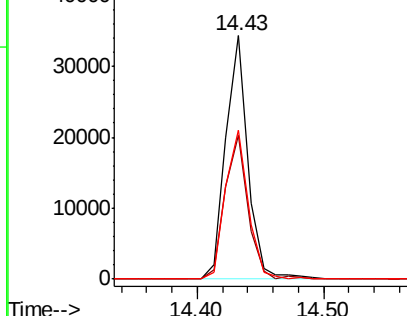


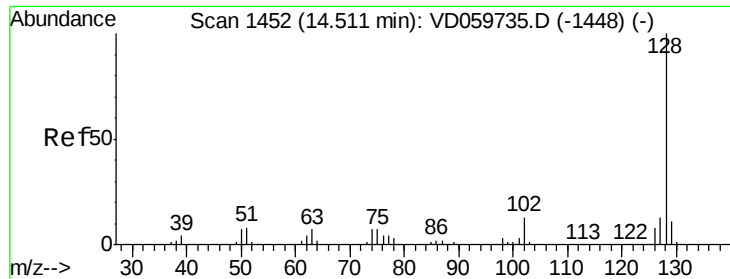
#94
 Hexachlorobutadiene
 Concen: 18.04 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059743.D
 Acq: 13 Aug 2018 19:45

Tgt Ion:225 Resp: 41541
 Ion Ratio Lower Upper
 225 100
 223 59.1 31.5 94.5
 227 61.0 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

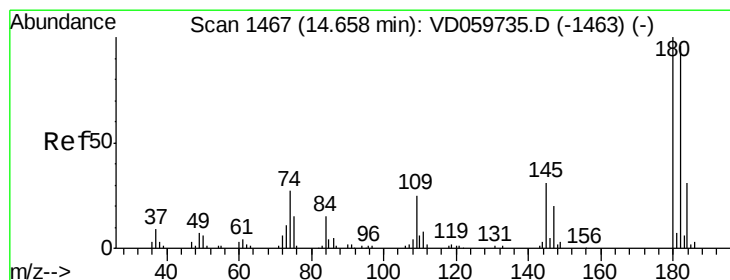
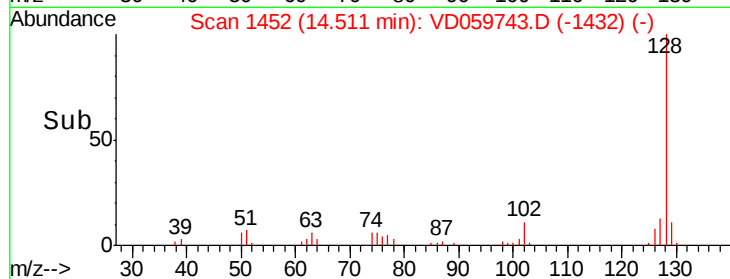
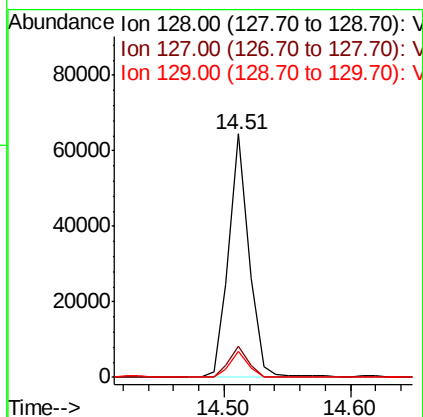
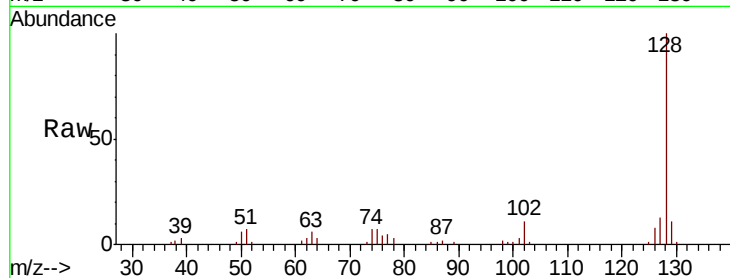




#95
Naphthalene
Concen: 19.43 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

Tot Ion:128 Resp: 71907
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 10.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 18.17 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD059743.D
Acq: 13 Aug 2018 19:45

Tgt Ion:180 Resp: 42694
Ion Ratio Lower Upper
180 100
182 104.6 48.1 144.4
145 32.1 15.4 46.4

