

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059998.D
 Acq On : 13 Sep 2018 15:31
 Operator : JC/SY
 Sample : VSTDCC150
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 13 15:52:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 15:36:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1634245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2236092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1805408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	915420	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	1669673	123.44	ug/l	0.00
Spiked Amount			Recovery	=	246.88%	
35) Dibromofluoromethane	6.31	113	2455617	140.70	ug/l	0.00
Spiked Amount			Recovery	=	281.40%	
50) Toluene-d8	9.45	98	6725689	139.70	ug/l	0.00
Spiked Amount			Recovery	=	279.40%	
62) 4-Bromofluorobenzene	12.42	95	2318064	118.90	ug/l	0.00
Spiked Amount			Recovery	=	237.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	2196127	143.489	ug/l	99
3) Chloromethane	1.74	50	2287633	168.874	ug/l	98
4) Vinyl Chloride	1.83	62	1799334	168.524	ug/l	99
5) Bromomethane	2.12	94	155400	83.211	ug/l	90
6) Chloroethane	2.20	64	138946	42.341	ug/l	100
7) Trichlorofluoromethane	2.47	101	1776556	142.481	ug/l	97
8) Diethyl Ether	2.80	74	391528	142.565	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.06	101	1141757	149.028	ug/l	99
10) Methyl Iodide	3.22	142	1482656	209.316	ug/l	97
11) Tert butyl alcohol	3.98	59	669143	645.589	ug/l	99
12) 1,1-Dichloroethene	3.04	96	896978	150.477	ug/l	93
13) Acrolein	2.96	56	390123	830.376	ug/l	99
14) Allyl chloride	3.50	41	1941278	146.301	ug/l	100
15) Acrylonitrile	4.06	53	2449293	625.065	ug/l	99
16) Acetone	3.15	43	1400038	565.517	ug/l	99
17) Carbon Disulfide	3.29	76	3258274	172.778	ug/l	98
18) Methyl Acetate	3.53	43	617605	118.860	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	4079119	126.919	ug/l	100
20) Methylene Chloride	3.69	84	2303151	114.027	ug/l	99
21) trans-1,2-Dichloroethene	4.06	96	2377681	146.101	ug/l	97
22) Diisopropyl ether	4.83	45	8283232	124.932	ug/l	98
23) Vinyl Acetate	4.78	43	22089577	596.640	ug/l	99
24) 1,1-Dichloroethane	4.73	63	3943383	136.535	ug/l	100
25) 2-Butanone	5.61	43	3795573	530.899	ug/l	98
26) 2,2-Dichloropropane	5.56	77	2822546	117.669	ug/l	97
27) cis-1,2-Dichloroethene	5.57	96	2459202	139.608	ug/l	98
28) Bromochloromethane	5.90	49	1866071	137.463	ug/l	98
29) Tetrahydrofuran	5.93	42	2217833	627.703	ug/l	99
30) Chloroform	6.08	83	4002245	136.117	ug/l	99
31) Cyclohexane	6.35	56	3562553	132.087	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	3327627	133.675	ug/l	99
36) 1,1-Dichloropropene	6.50	75	2800941	135.018	ug/l	98
37) Ethyl Acetate	5.68	43	2009913	128.055	ug/l	97
38) Carbon Tetrachloride	6.47	117	2725046	130.934	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	3371496	149.055	ug/l	98
40) Benzene	6.78	78	7204485	133.323	ug/l	100
41) Methacrylonitrile	5.93	41	2207661	277.003	ug/l #	82
42) 1,2-Dichloroethane	6.88	62	2304949	135.772	ug/l	99
43) Isopropyl Acetate	8.33	43	2752890	133.918	ug/l #	98
44) Trichloroethene	7.72	130	2431162	151.783	ug/l	98
45) 1,2-Dichloropropane	8.09	63	2093163	140.228	ug/l	99
46) Dibromomethane	8.21	93	1348238	140.326	ug/l	91
47) Bromodichloromethane	8.48	83	2891949	134.141	ug/l	98
48) Methyl methacrylate	8.24	41	1509954	126.209	ug/l	95
49) 1,4-Dioxane	8.23	88	296097	2731.567	ug/l	96
51) 4-Methyl-2-Pentanone	9.34	43	7623645	520.182	ug/l	96
52) Toluene	9.55	92	4707532	136.146	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	2676155	134.569	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	3250100	139.205	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	1635277	131.198	ug/l	98
56) Ethyl methacrylate	10.03	69	1866419	130.731	ug/l	97
57) 1,3-Dichloropropane	10.37	76	2484679	137.546	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	4036407	590.192	ug/l	100
59) 2-Hexanone	10.48	43	5594539	517.627	ug/l	99
60) Dibromochloromethane	10.64	129	2117852	135.418	ug/l	99
61) 1,2-Dibromoethane	10.76	107	1796165	142.633	ug/l	98
64) Tetrachloroethene	10.24	164	2186267	150.930	ug/l	98
65) Chlorobenzene	11.31	112	5026217	136.494	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	1575728	118.739	ug/l	99
67) Ethyl Benzene	11.42	91	6876372	111.781	ug/l	96
68) m/p-Xylenes	11.56	106	5098974	225.458	ug/l	98
69) o-Xylene	11.93	106	2696269	122.230	ug/l	95
70) Styrene	11.96	104	4520093	119.165	ug/l	99
71) Bromoform	12.11	173	1640403	143.111	ug/l	99
73) Isopropylbenzene	12.27	105	7299039	122.583	ug/l	100
74) N-amyl acetate	12.13	43	3133439	123.212	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	1827880	133.561	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	1900150	133.288	ug/l	100
77) Bromobenzene	12.54	156	2249312	136.376	ug/l	98
78) n-propylbenzene	12.64	91	8910610	118.711	ug/l	97
79) 2-Chlorotoluene	12.70	91	5284120	124.648	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	5210862	110.583	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	624575	141.909	ug/l	99
82) 4-Chlorotoluene	12.81	91	5121531	106.560	ug/l	90
83) tert-Butylbenzene	13.05	119	6403328	119.640	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	5869978	119.955	ug/l	98
85) sec-Butylbenzene	13.22	105	7765328	123.659	ug/l	100
86) p-Isopropyltoluene	13.34	119	6014657	116.663	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	3667156	124.628	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	3581134	121.540	ug/l	98
89) n-Butylbenzene	13.64	91	4941411	95.946	ug/l	97
90) Hexachloroethane	13.86	117	1771700	129.744	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	2490182	100.412	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	275833	134.778	ug/l	90

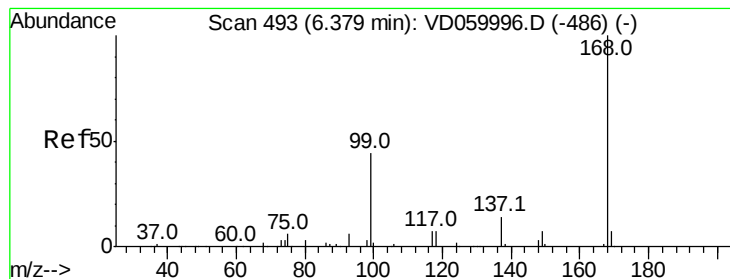
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QLast Update : Thu Sep 13 15:36:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	2652816	124.375	ug/l	97
94) Hexachlorobutadiene	14.88	225	1812379	129.216	ug/l	98
95) Naphthalene	14.97	128	4483770	138.175	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	2388750	130.605	ug/l	99

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

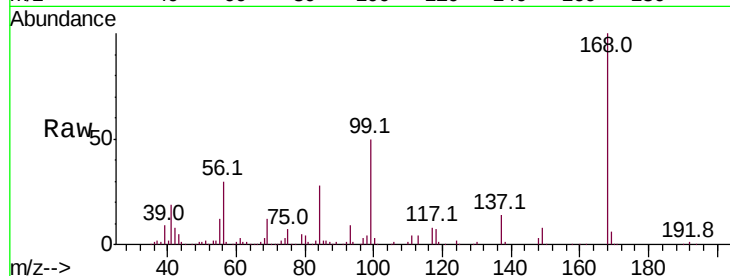


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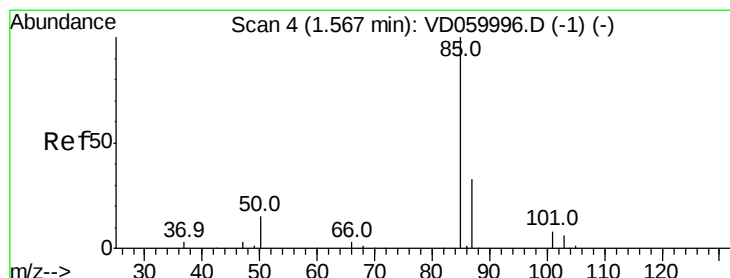
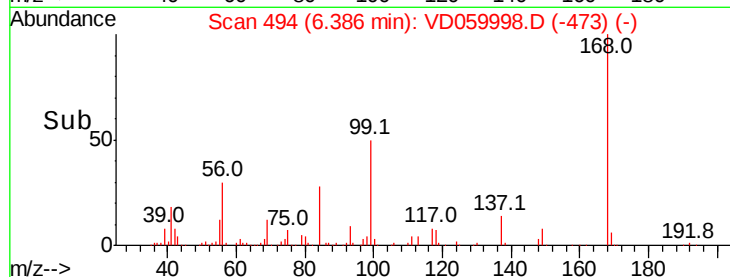
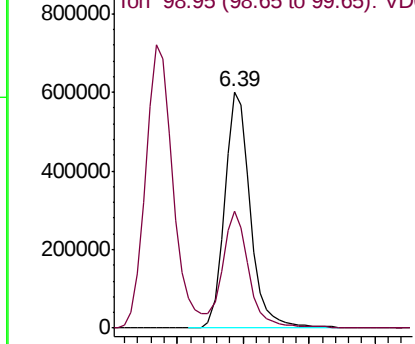
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.39 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:168 Resp: 1634245
 Ion Ratio Lower Upper
 168 100
 99 49.6 38.5 57.7



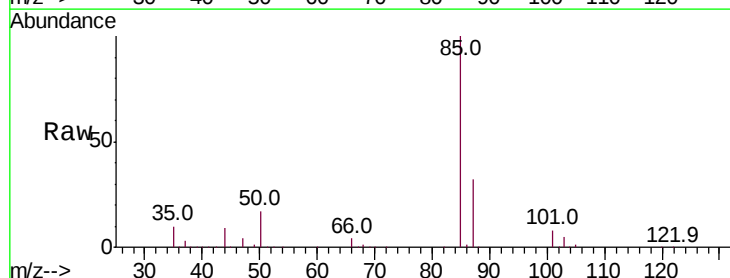
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



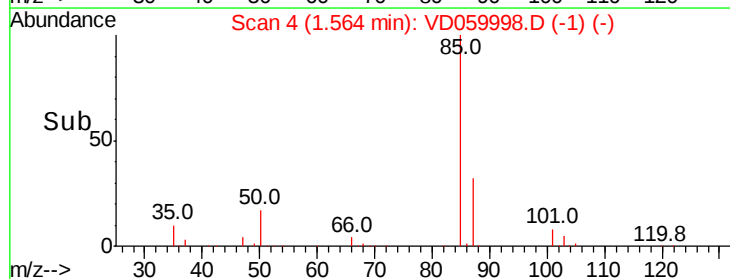
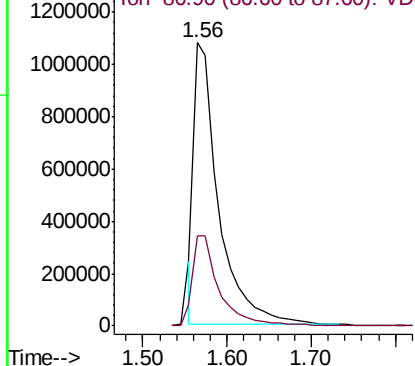
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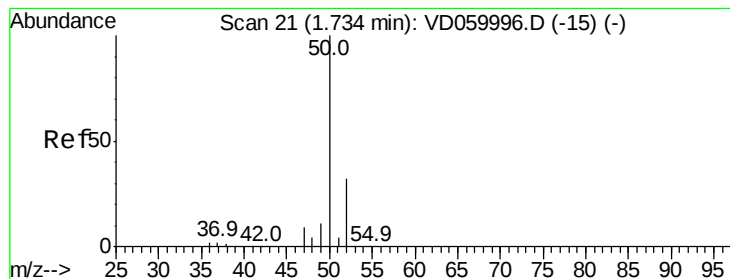
Dichlorodifluoromethane
 Concen: 143.489 ug/l
 RT: 1.56 min Scan# 4
 Delta R.T. -0.00 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion: 85 Resp: 2196127
 Ion Ratio Lower Upper
 85 100
 87 31.9 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC
 Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 168.874 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

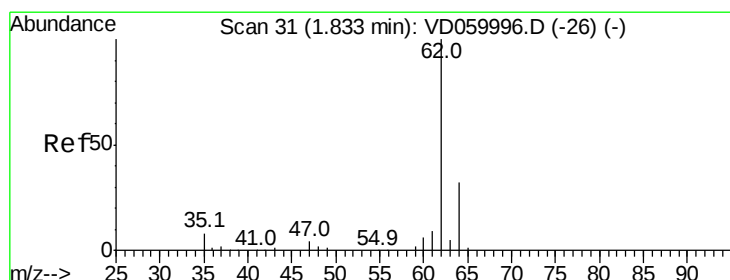
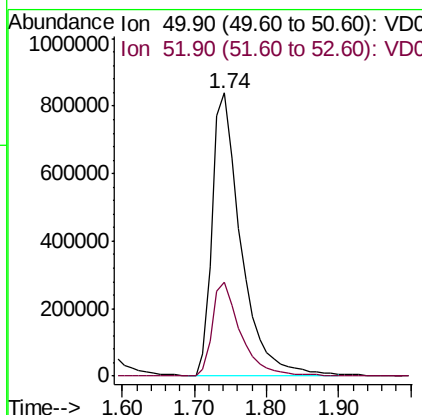
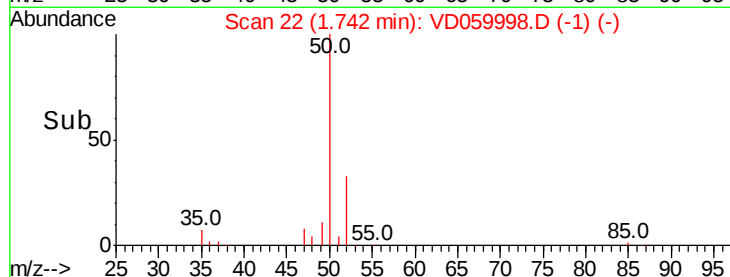
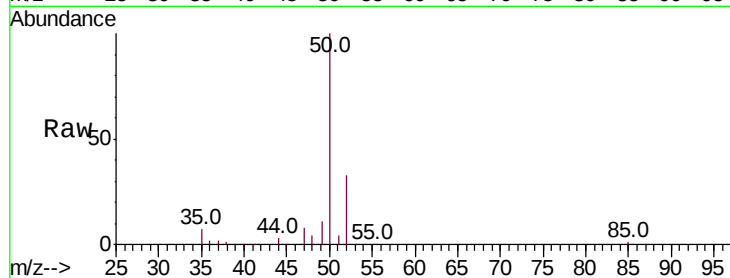
ClientSampleId :

Tot Ion: 50 Resp: 2287633

Ion Ratio Lower Upper

50 100

52 33.2 25.4 38.2



#4

Vinyl Chloride

Concen: 168.524 ug/l

RT: 1.83 min Scan# 31

Delta R.T. -0.00 min

Lab File: VD059998.D

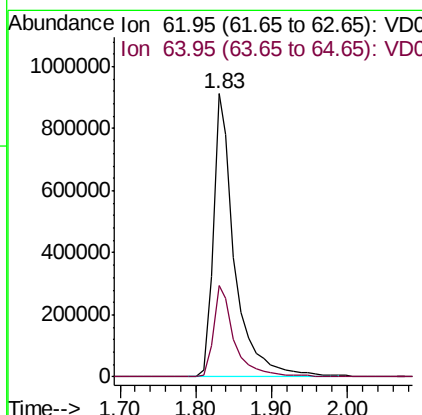
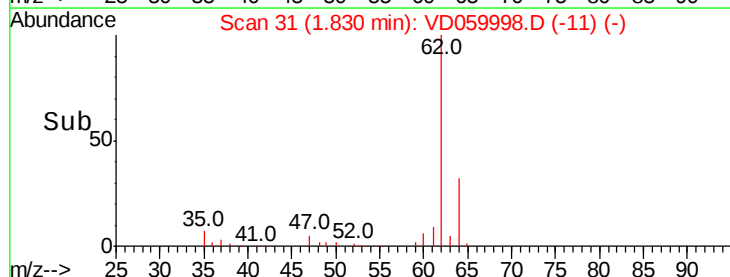
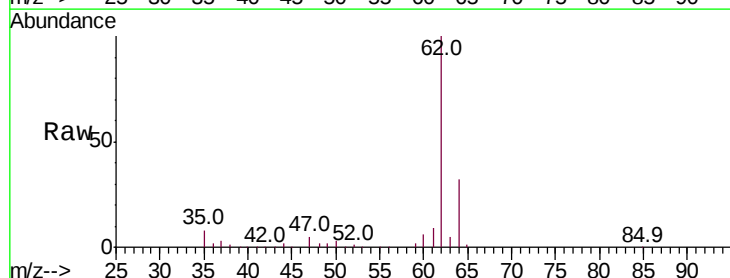
Acq: 13 Sep 2018 15:31

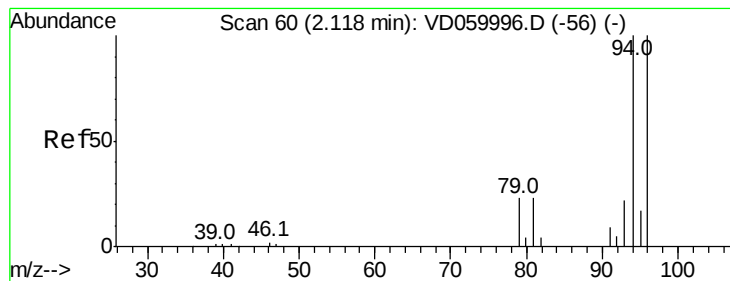
Tgt Ion: 62 Resp: 1799334

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 83.211 ug/l

RT: 2.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

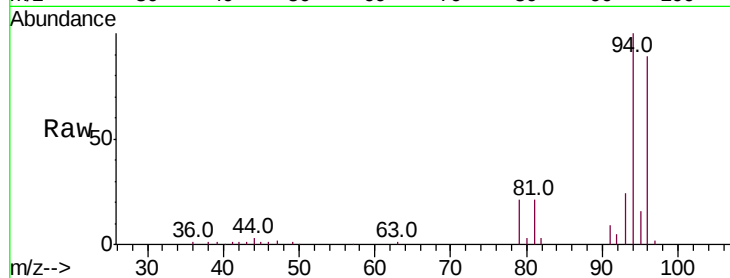
ClientSampled :

Tot Ion: 94 Resp: 155400

Ion Ratio Lower Upper

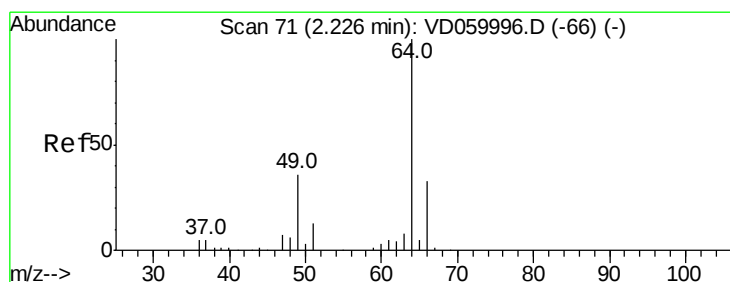
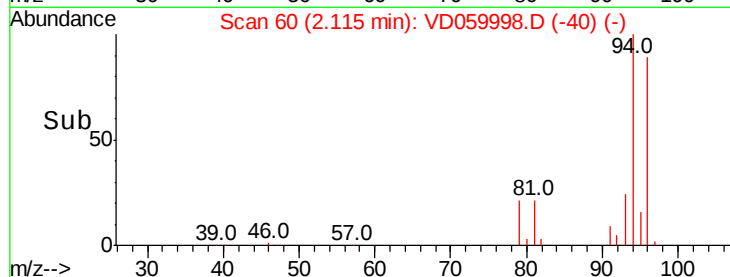
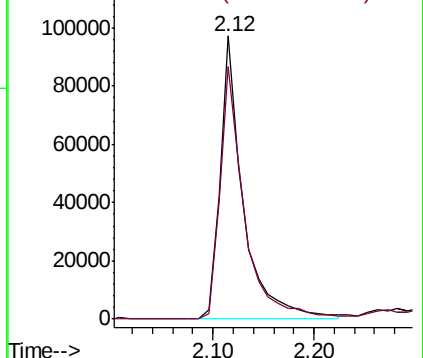
94 100

96 89.5 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 42.341 ug/l

RT: 2.20 min Scan# 69

Delta R.T. -0.02 min

Lab File: VD059998.D

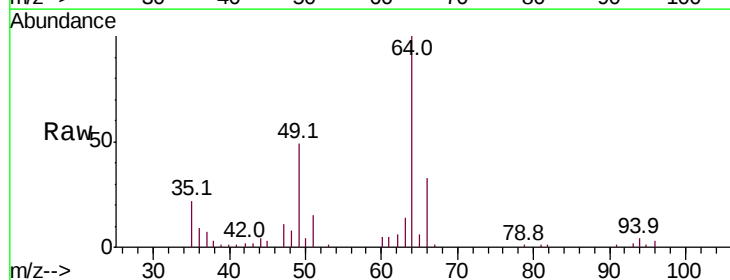
Acq: 13 Sep 2018 15:31

Tgt Ion: 64 Resp: 138946

Ion Ratio Lower Upper

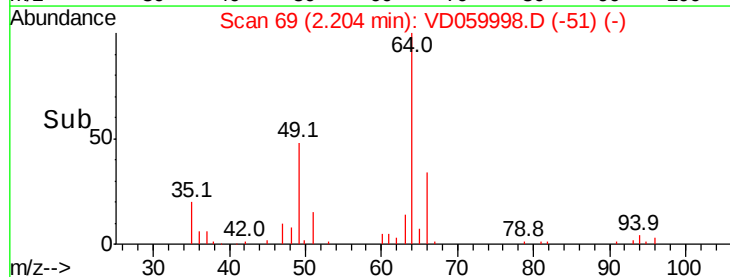
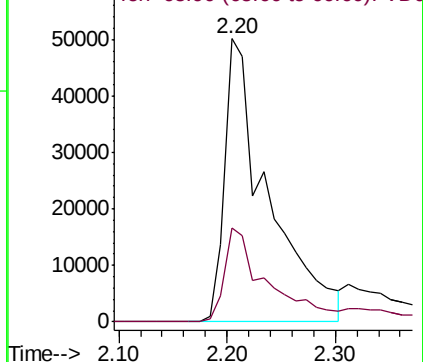
64 100

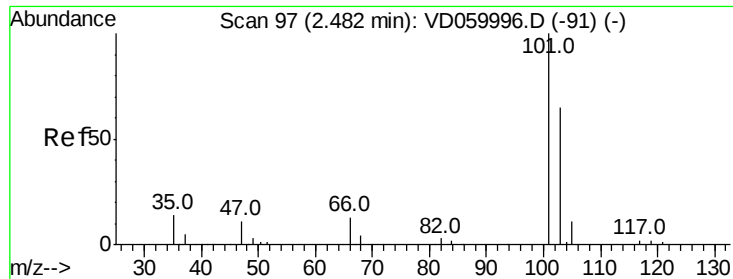
66 33.3 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



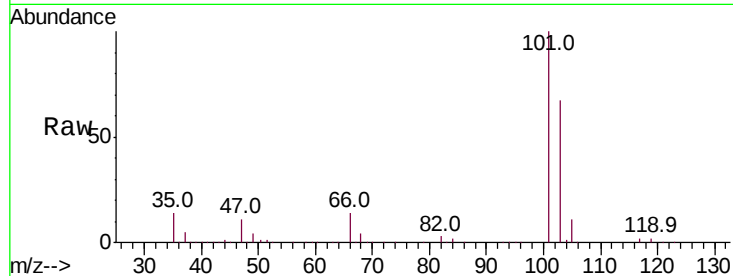


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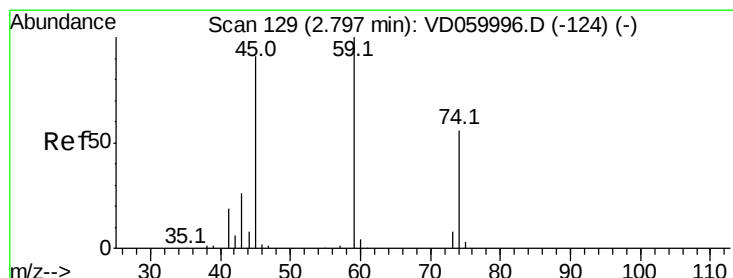
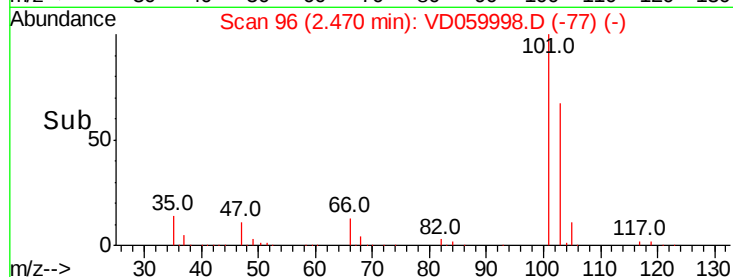
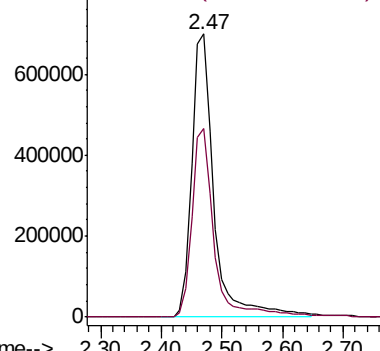
Trichlorofluoromethane
 Concen: 142.481 ug/l
 RT: 2.47 min Scan# 96
 Delta R.T. -0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 1776556
 Ion Ratio Lower Upper
 101 100
 103 66.7 51.6 77.4



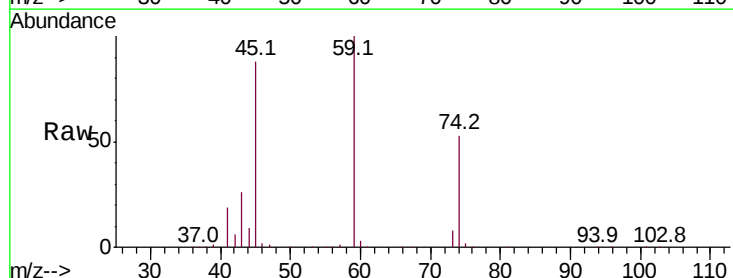
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



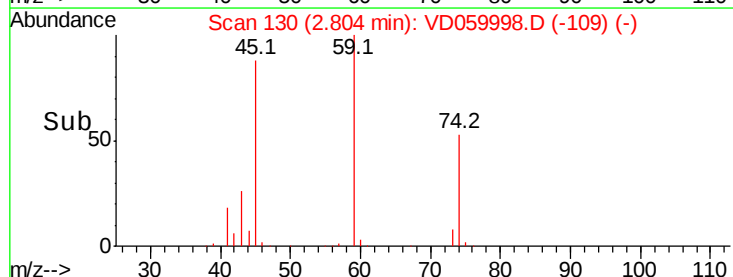
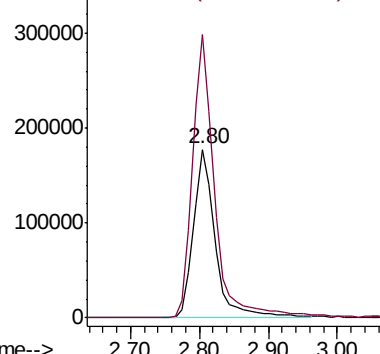
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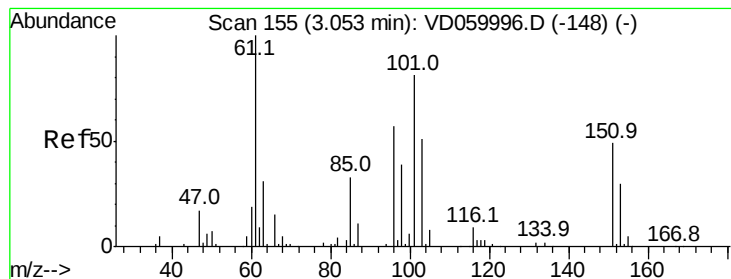
Diethyl Ether
 Concen: 142.565 ug/l
 RT: 2.80 min Scan# 130
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion: 74 Resp: 391528
 Ion Ratio Lower Upper
 74 100
 45 167.9 81.2 243.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 149.028 ug/l

RT: 3.06 min Scan# 156

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

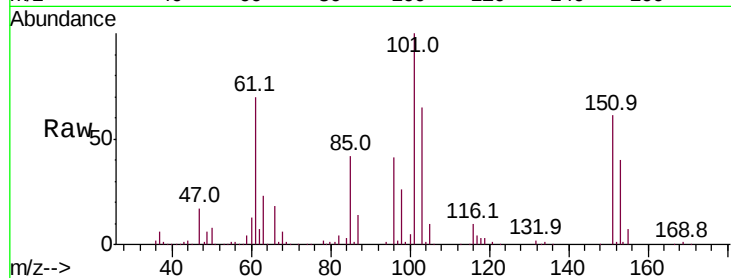
Tot Ion:101 Resp: 1141757

Ion Ratio Lower Upper

101 100

85 41.7 33.1 49.7

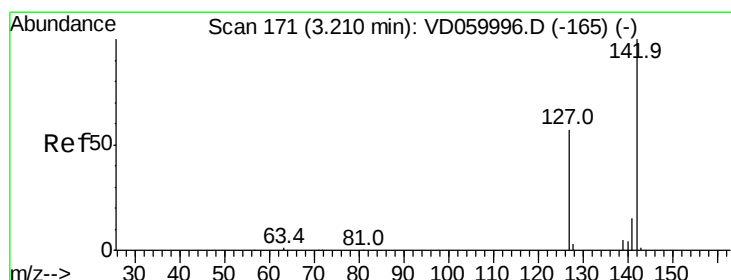
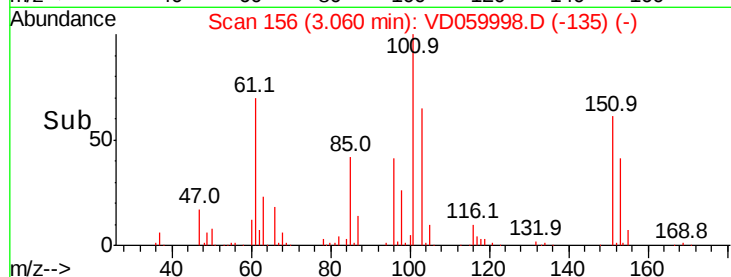
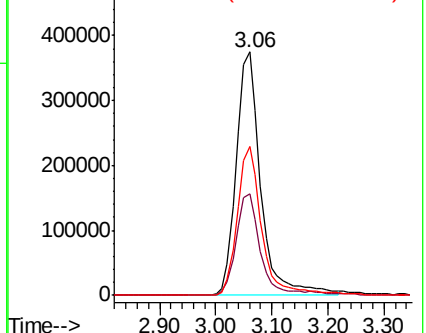
151 61.3 48.2 72.4



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: 209.316 ug/l

RT: 3.22 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

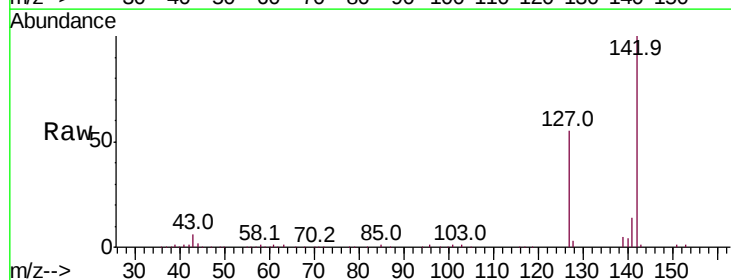
Tgt Ion:142 Resp: 1482656

Ion Ratio Lower Upper

142 100

127 55.0 45.8 68.8

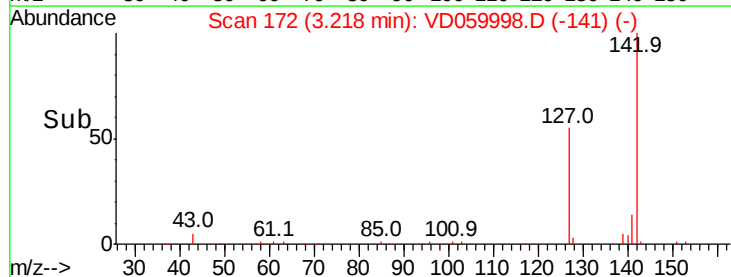
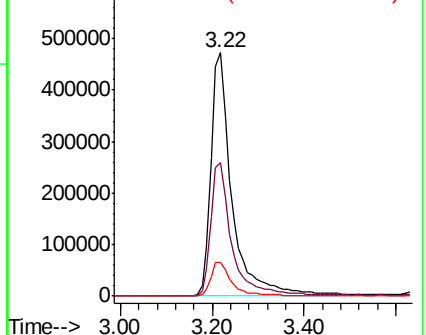
141 14.0 12.2 18.4

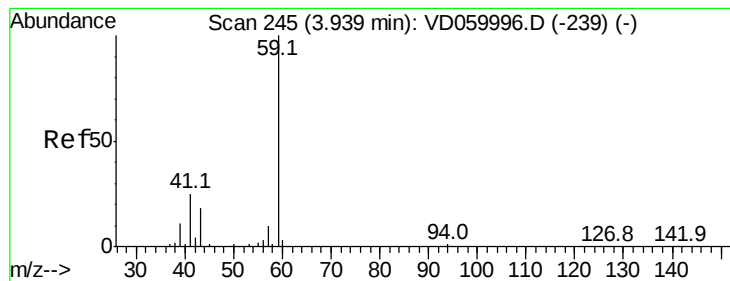


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



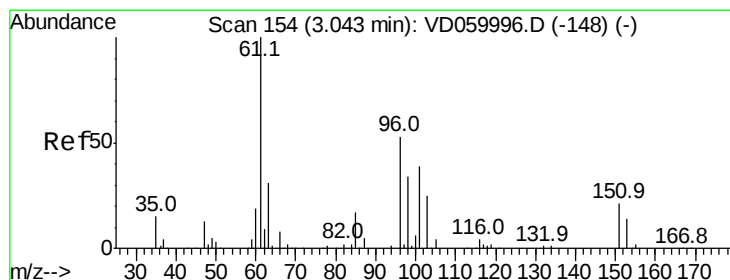
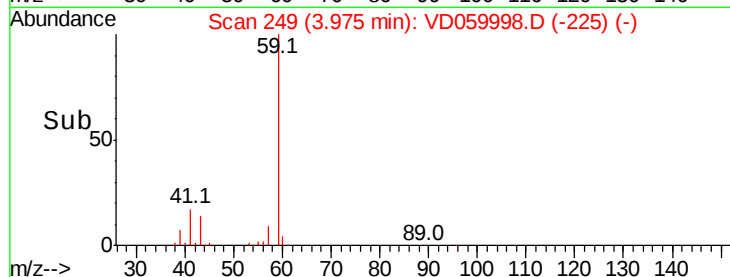
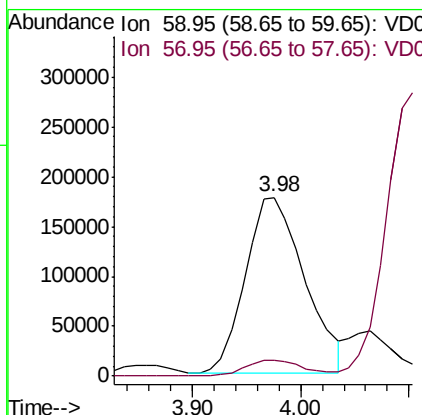
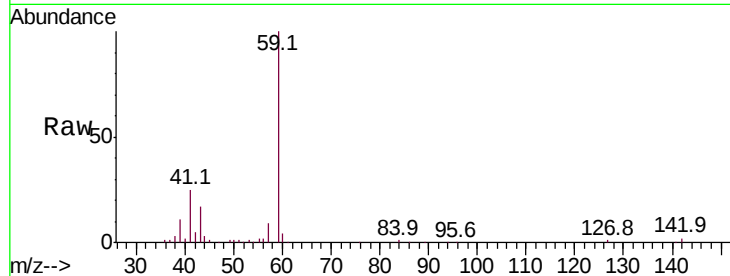


#11

Tert butyl alcohol
Concen: 645.589 ug/l
RT: 3.98 min Scan# 249
Delta R.T. 0.04 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampled :

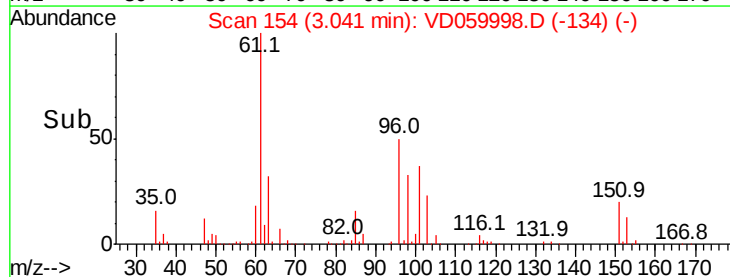
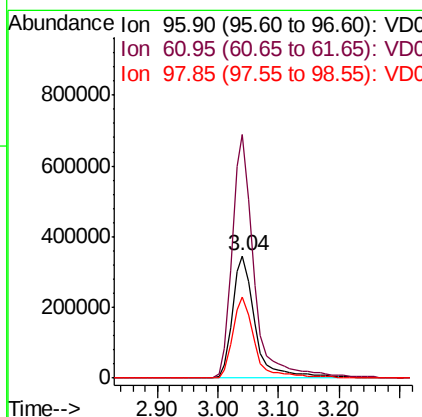
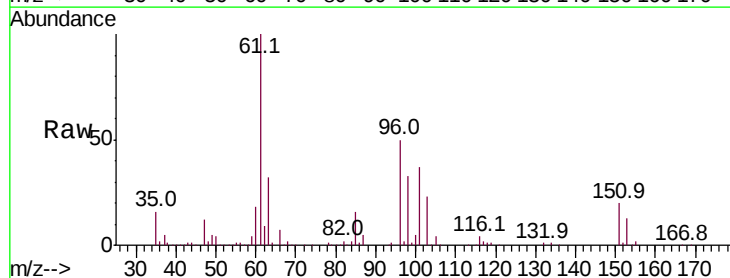
Tot Ion: 59 Resp: 669143
Ion Ratio Lower Upper
59 100
57 9.0 7.4 11.2

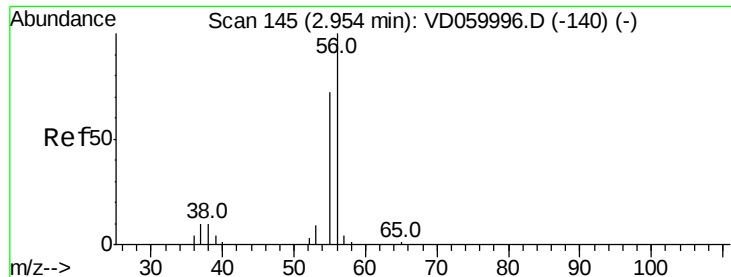


#12

1,1-Dichloroethene
Concen: 150.477 ug/l
RT: 3.04 min Scan# 154
Delta R.T. -0.00 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion: 96 Resp: 896978
Ion Ratio Lower Upper
96 100
61 199.4 149.8 224.6
98 66.5 50.2 75.4





#13

Acrolein

Concen: 830.376 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

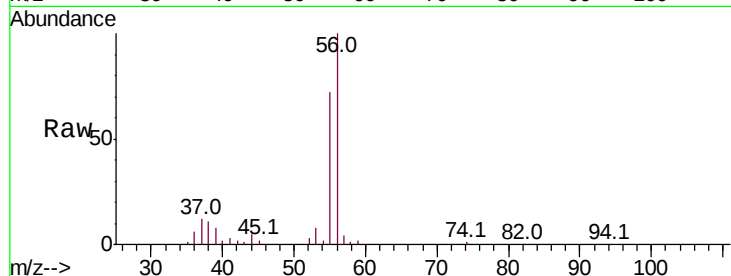
ClientSampleId :

Tot Ion: 56 Resp: 390123

Ion Ratio Lower Upper

56 100

55 72.0 58.3 87.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

150000

100000

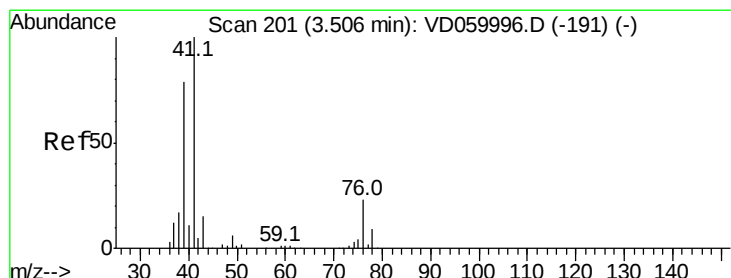
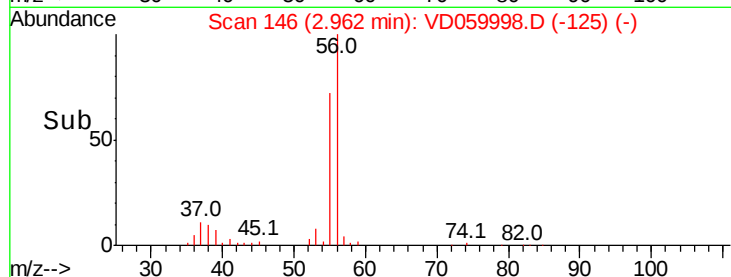
50000

0

2.96

2.80 2.90 3.00 3.10 3.20

Time-->



#14

Allyl chloride

Concen: 146.301 ug/l

RT: 3.50 min Scan# 201

Delta R.T. -0.00 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

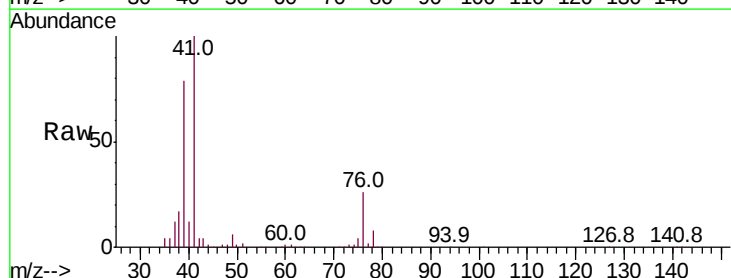
Tgt Ion: 41 Resp: 1941278

Ion Ratio Lower Upper

41 100

39 79.1 63.6 95.4

76 26.1 21.1 31.7



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

1000000

800000

600000

400000

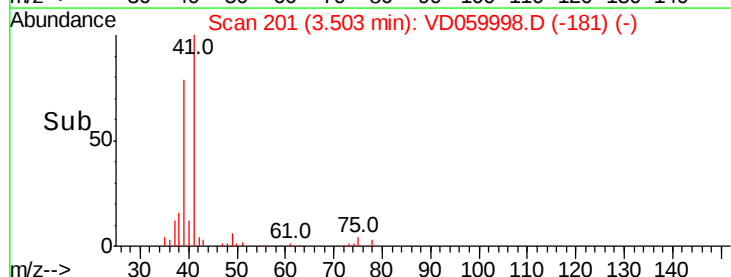
200000

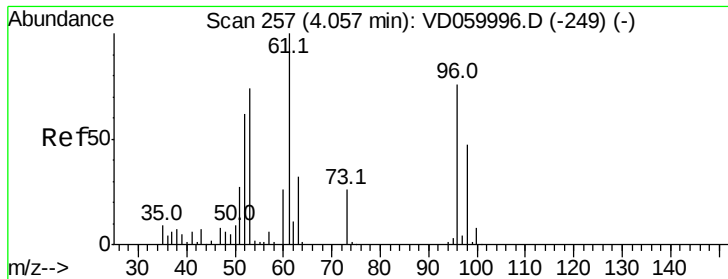
0

3.50

3.40 3.50 3.60

Time-->





#15

Acrylonitrile

Concen: 625.065 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :

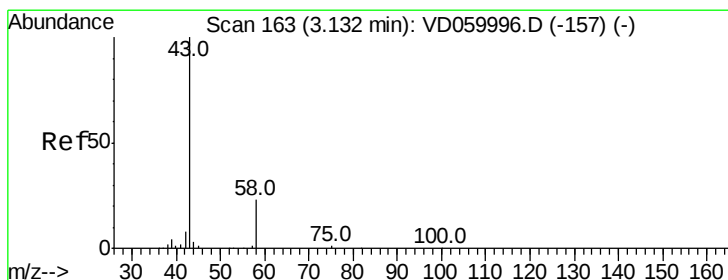
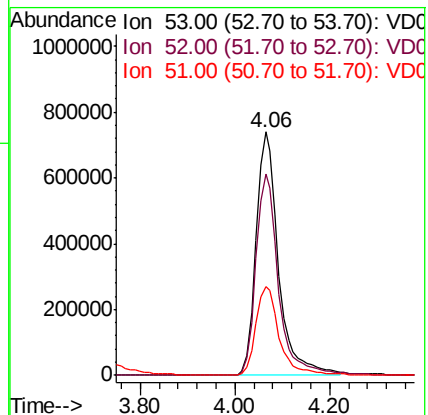
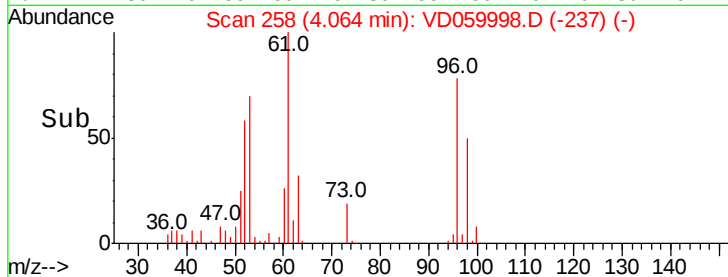
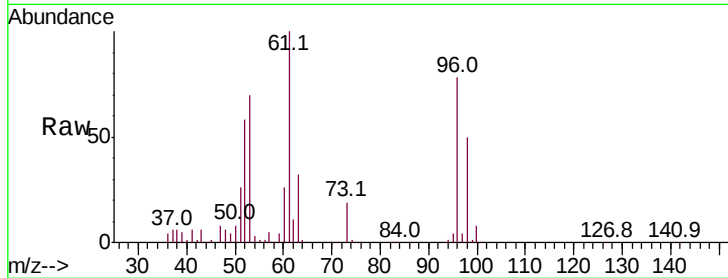
Tot Ion: 53 Resp: 2449293

Ion Ratio Lower Upper

53 100

52 82.8 66.7 100.1

51 36.7 29.0 43.6



#16

Acetone

Concen: 565.517 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD059998.D

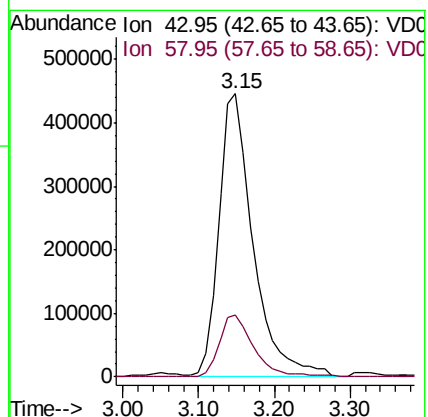
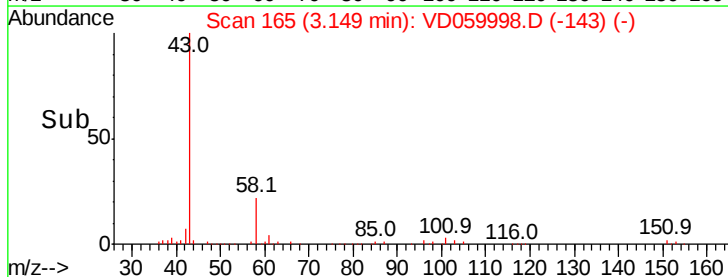
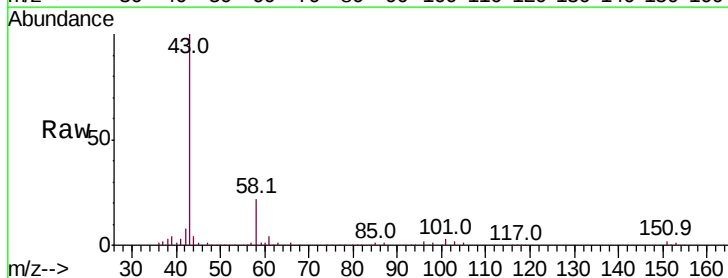
Acq: 13 Sep 2018 15:31

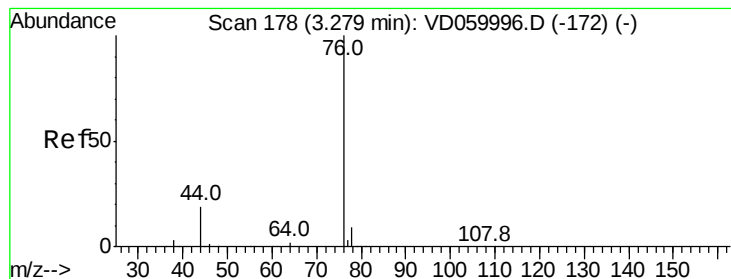
Tgt Ion: 43 Resp: 1400038

Ion Ratio Lower Upper

43 100

58 21.9 18.1 27.1





#17

Carbon Disulfide

Concen: 172.778 ug/l

RT: 3.29 min Scan# 179

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

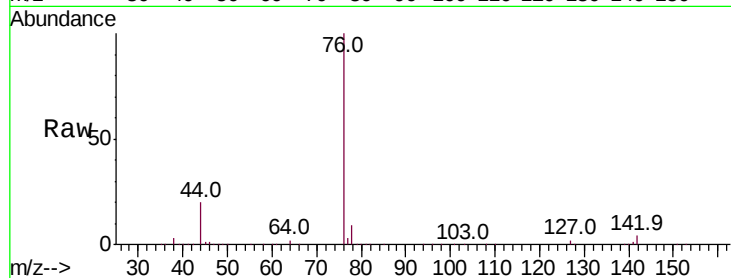
ClientSampleId :

Tot Ion: 76 Resp: 3258274

Ion Ratio Lower Upper

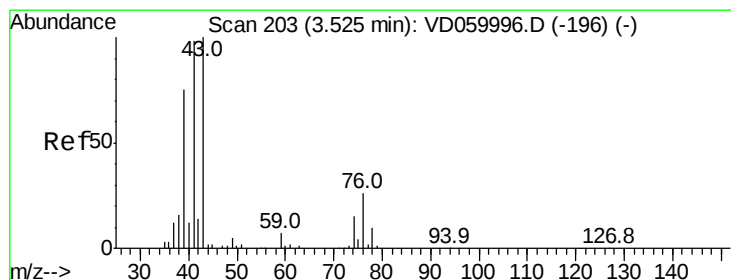
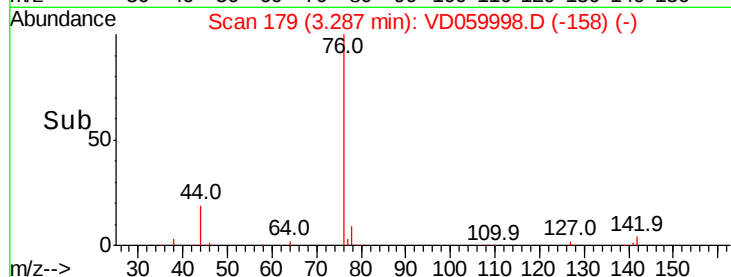
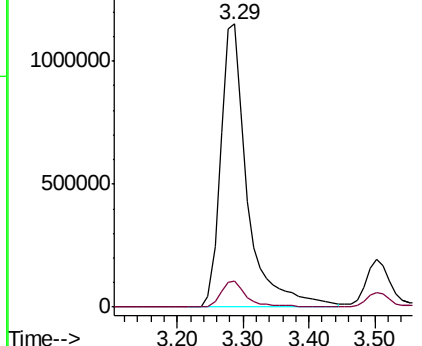
76 100

78 9.3 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 118.860 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.01 min

Lab File: VD059998.D

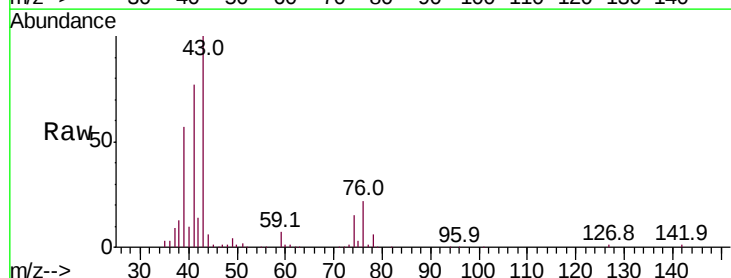
Acq: 13 Sep 2018 15:31

Tgt Ion: 43 Resp: 617605

Ion Ratio Lower Upper

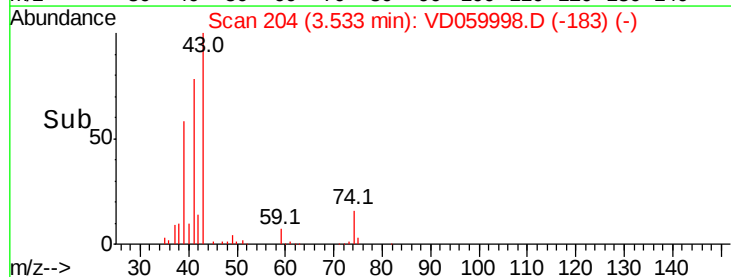
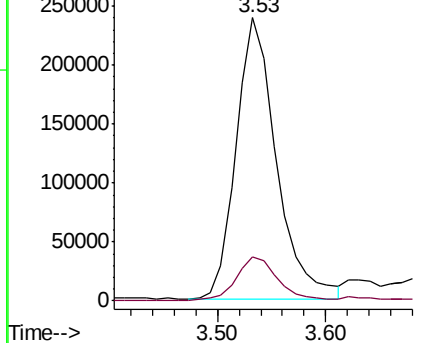
43 100

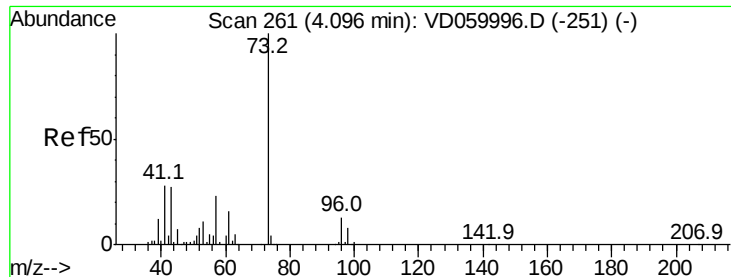
74 15.4 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether
 Concen: 126.919 ug/l
 RT: 4.10 min Scan# 262
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

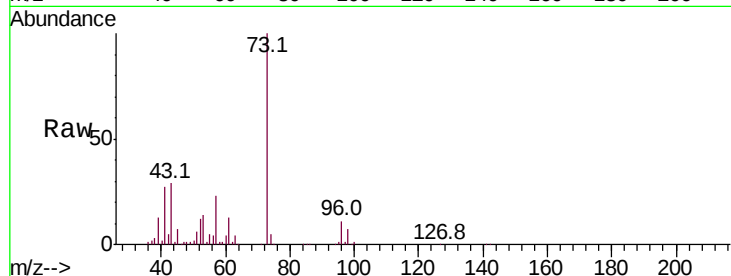
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 73 Resp: 4079119

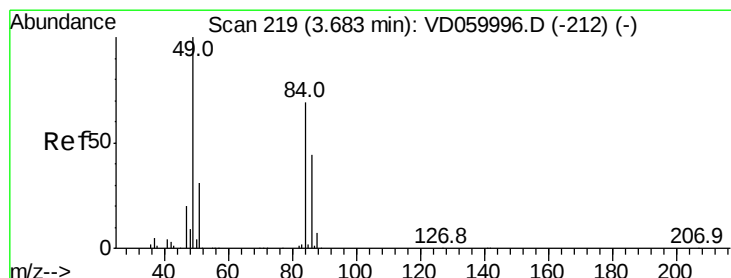
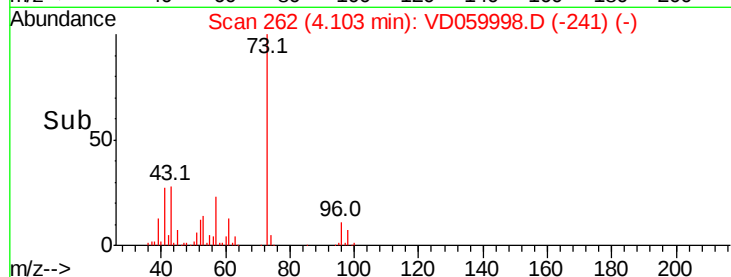
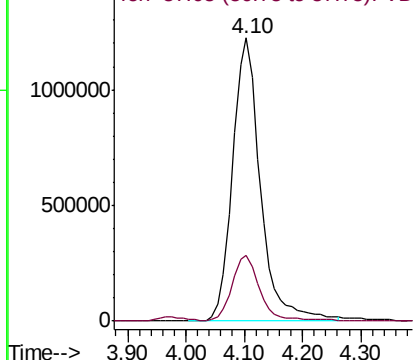
Ion Ratio Lower Upper

73 100

57 23.2 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride
 Concen: 114.027 ug/l
 RT: 3.69 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion: 84 Resp: 2303151

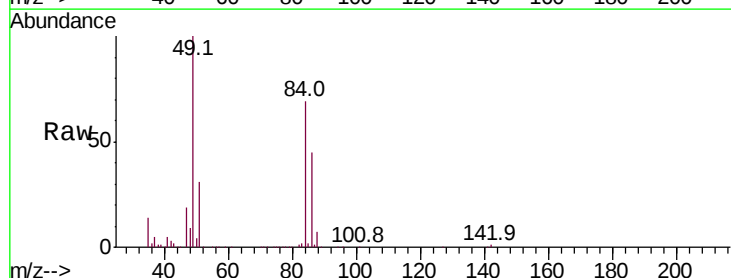
Ion Ratio Lower Upper

84 100

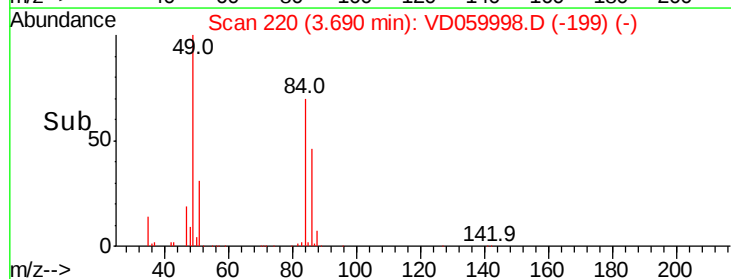
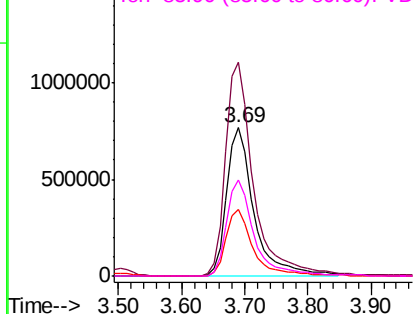
49 144.3 116.6 175.0

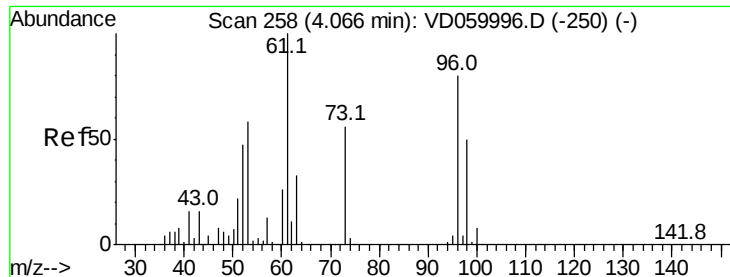
51 44.6 35.9 53.9

86 65.2 51.8 77.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 146.101 ug/l

RT: 4.06 min Scan# 258

Delta R.T. -0.00 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampled :

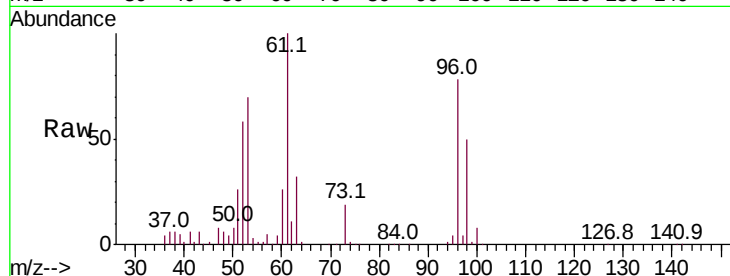
Tot Ion: 96 Resp: 2377681

Ion Ratio Lower Upper

96 100

61 128.2 100.1 150.1

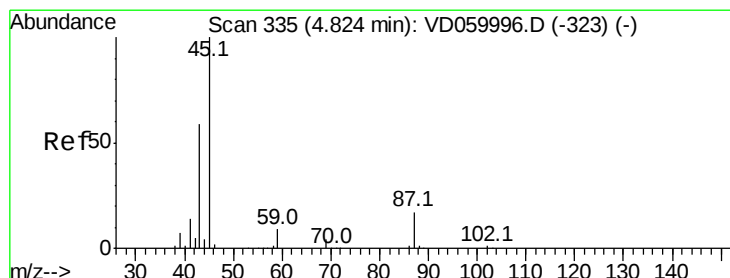
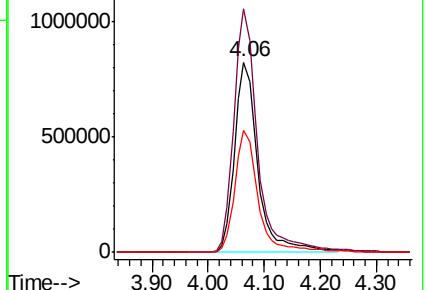
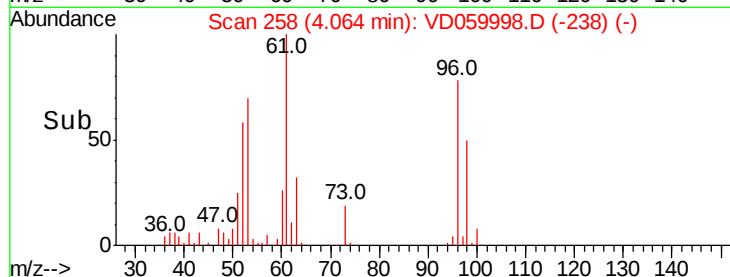
98 64.1 49.5 74.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 124.932 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Tgt Ion: 45 Resp: 8283232

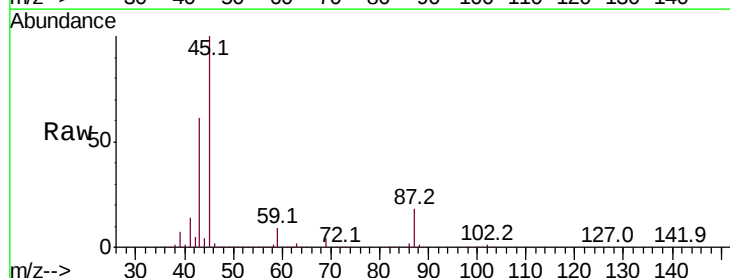
Ion Ratio Lower Upper

45 100

43 60.8 47.1 70.7

87 17.7 14.2 21.2

59 9.0 7.0 10.6

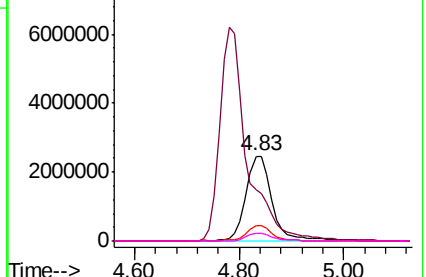
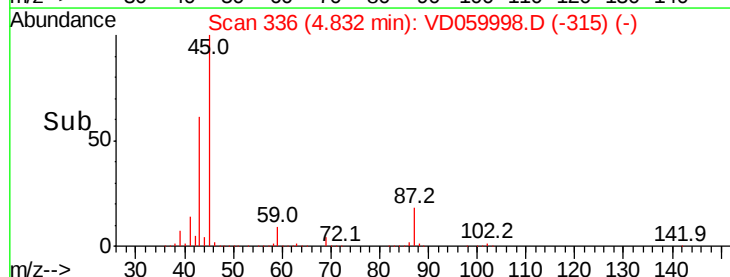


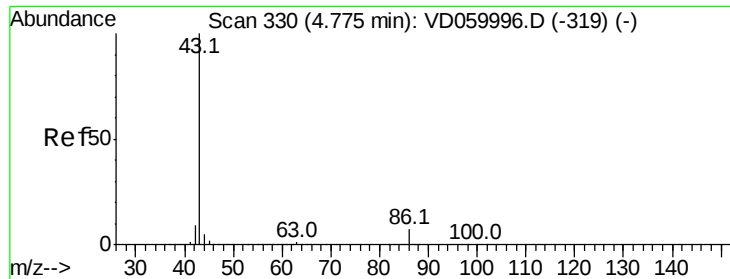
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

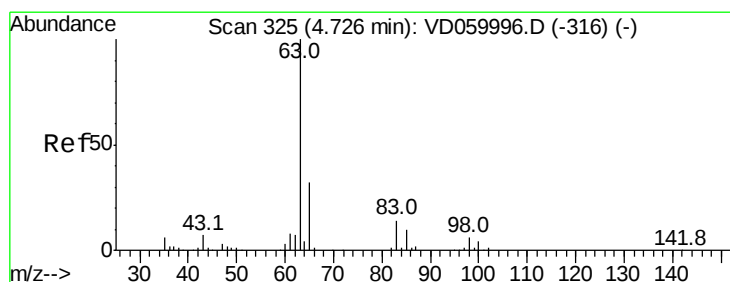
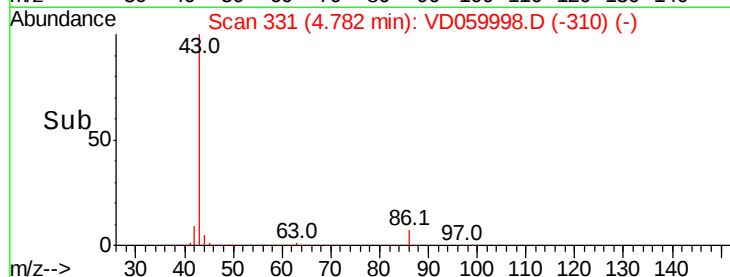
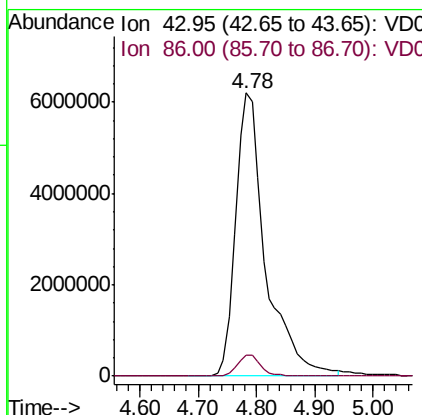
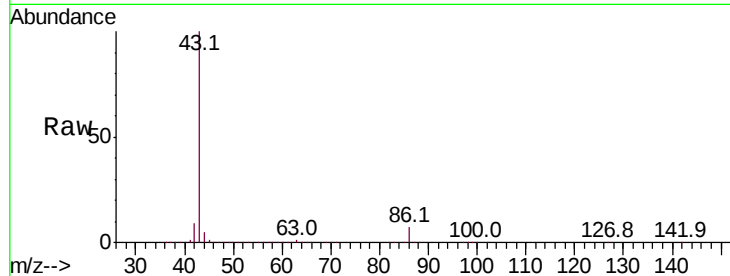




#23
 Vinyl Acetate
 Concen: 596.640 ug/l
 RT: 4.78 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

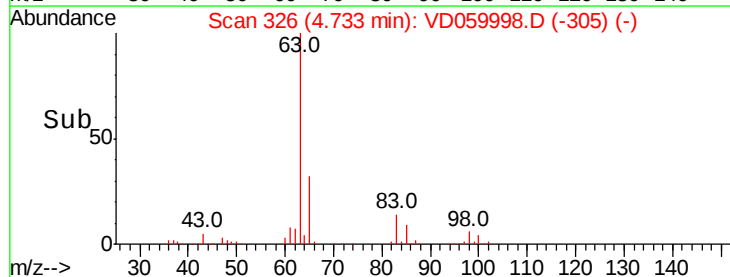
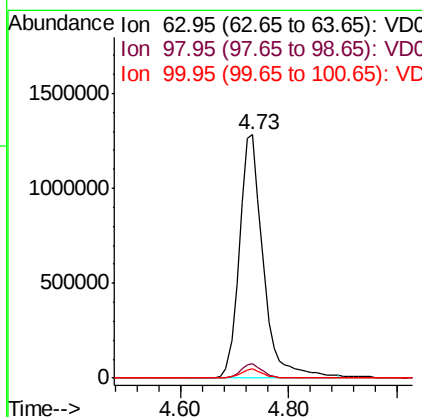
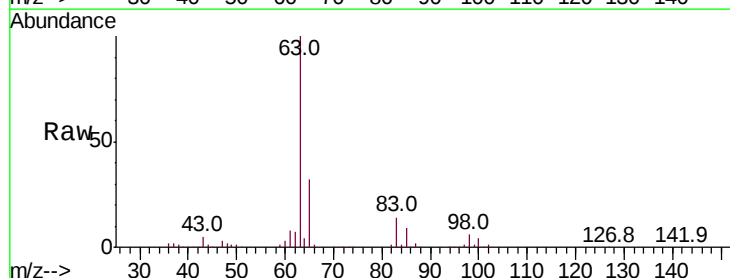
Instrument :
 MSVOA_D
 ClientSampleId :

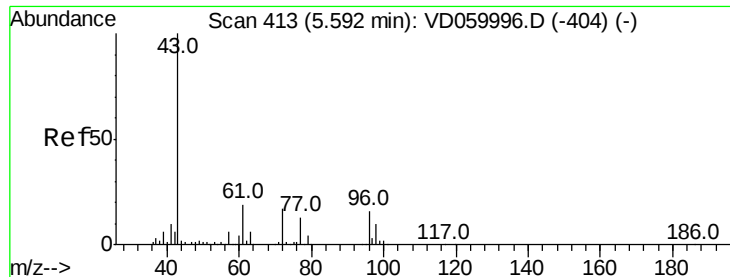
Tot Ion: 43 Resp: 22089577
 Ion Ratio Lower Upper
 43 100
 86 7.4 5.5 8.3



#24
 1,1-Dichloroethane
 Concen: 136.535 ug/l
 RT: 4.73 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion: 63 Resp: 3943383
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.6
 100 3.7 1.8 5.4





#25

2-Butanone

Concen: 530.899 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

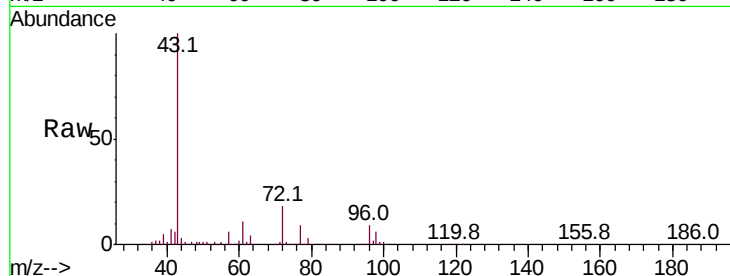
ClientSampleId :

Tot Ion: 43 Resp: 3795573

Ion Ratio Lower Upper

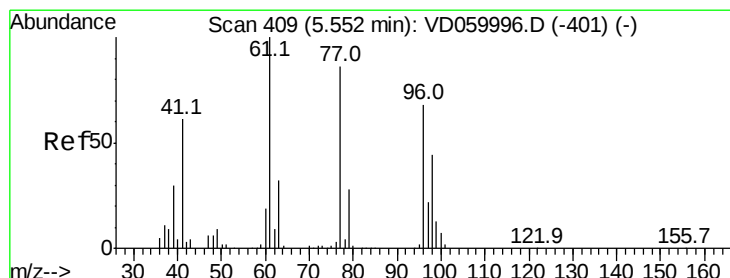
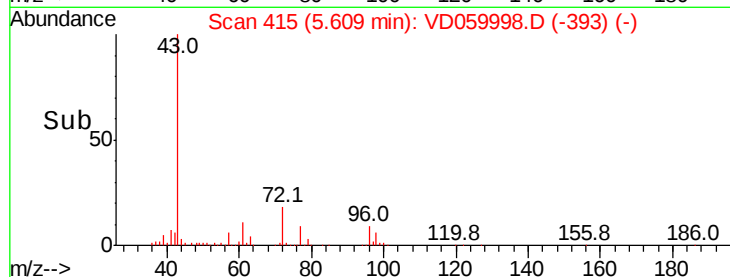
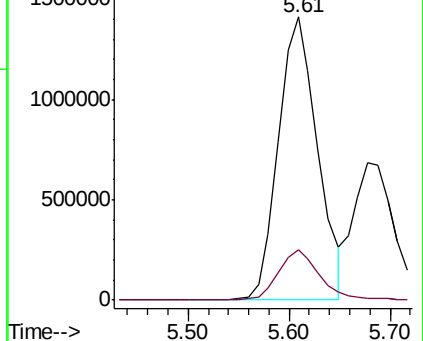
43 100

72 17.9 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 117.669 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.01 min

Lab File: VD059998.D

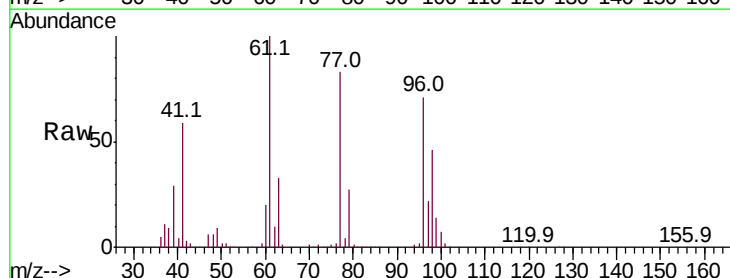
Acq: 13 Sep 2018 15:31

Tgt Ion: 77 Resp: 2822546

Ion Ratio Lower Upper

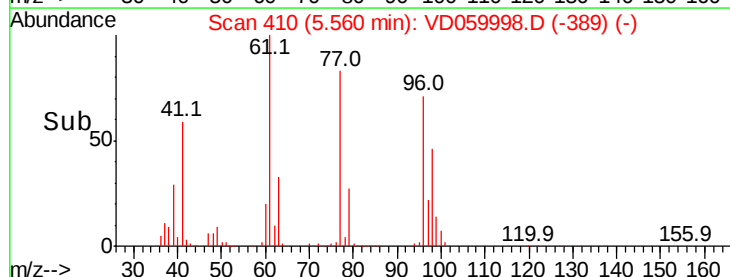
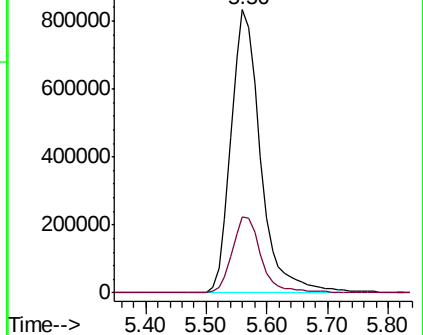
77 100

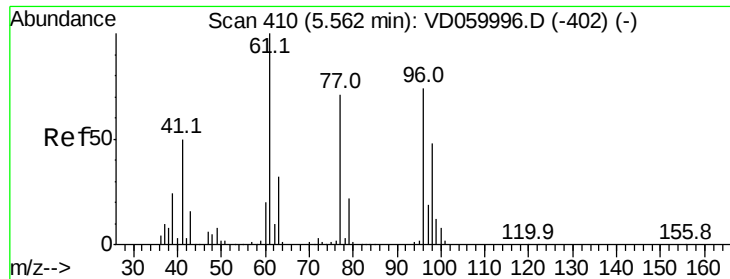
97 27.0 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



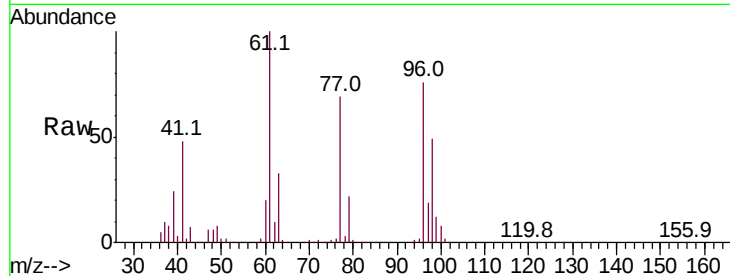


#27

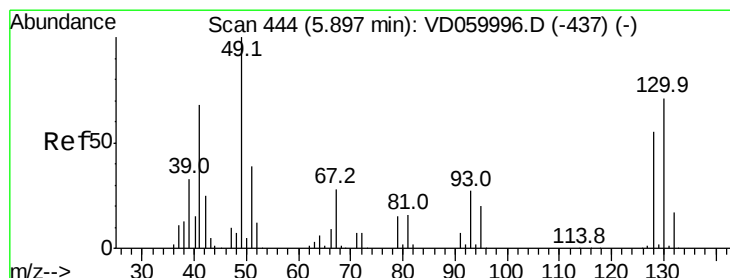
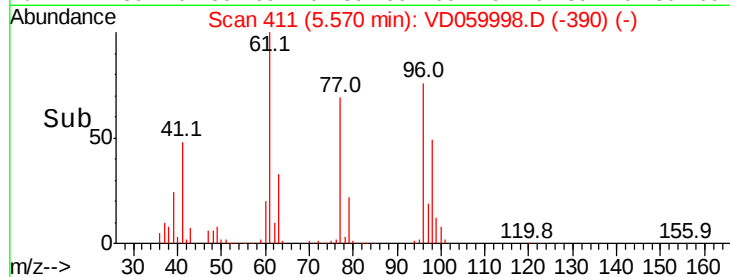
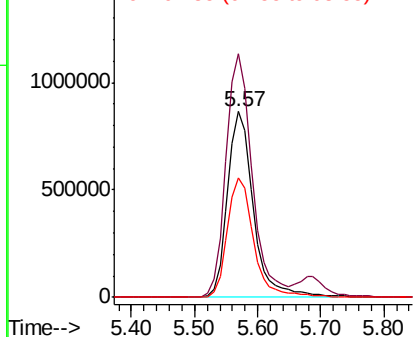
cis-1,2-Dichloroethene
Concen: 139.608 ug/l
RT: 5.57 min Scan# 411
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 2459202
Ion Ratio Lower Upper
96 100
61 131.0 0.0 269.6
98 64.0 0.0 128.4



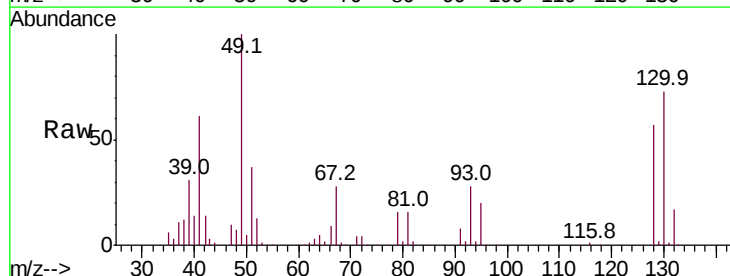
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



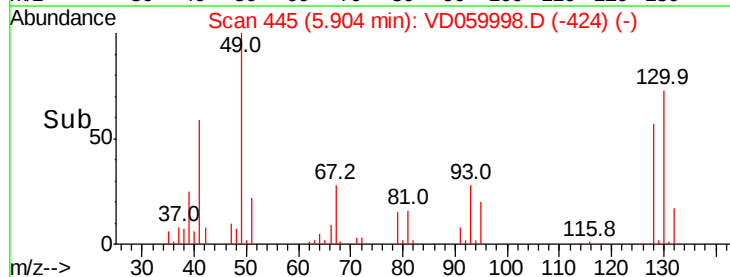
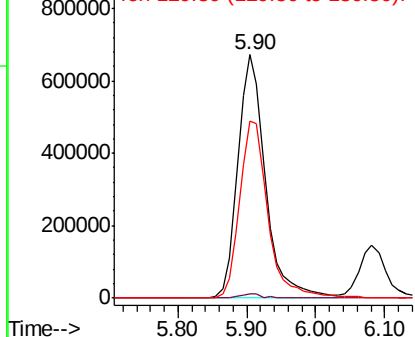
#28

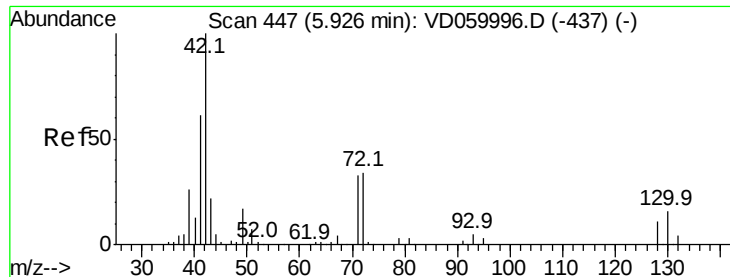
Bromochloromethane
Concen: 137.463 ug/l
RT: 5.90 min Scan# 445
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion: 49 Resp: 1866071
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.6
130 72.8 57.1 85.7



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





#29

Tetrahydrofuran

Concen: 627.703 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

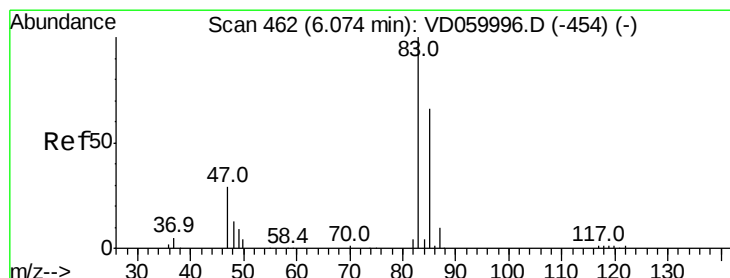
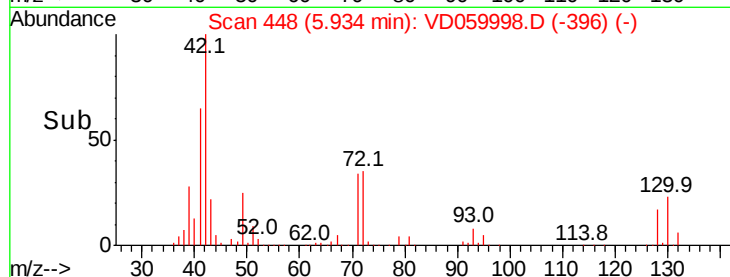
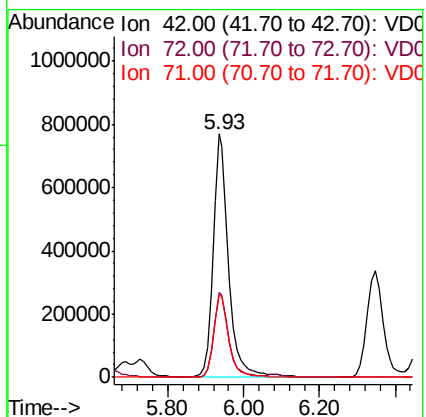
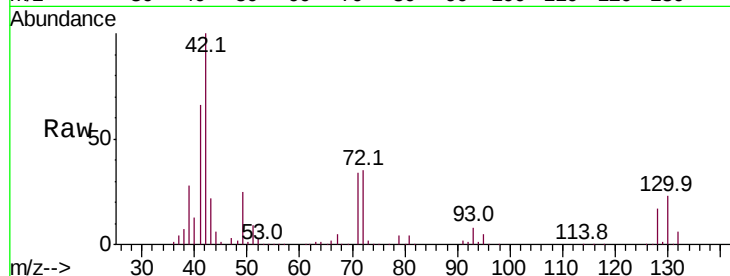
Tot Ion: 42 Resp: 2217833

Ion Ratio Lower Upper

42 100

72 34.1 26.9 40.3

71 33.9 26.2 39.4



#30

Chloroform

Concen: 136.117 ug/l

RT: 6.08 min Scan# 463

Delta R.T. 0.01 min

Lab File: VD059998.D

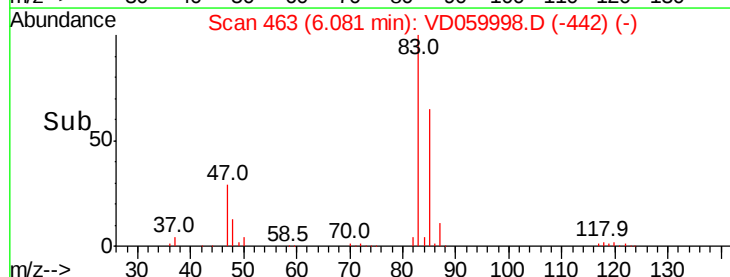
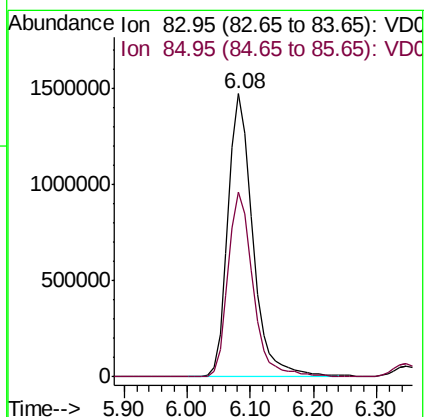
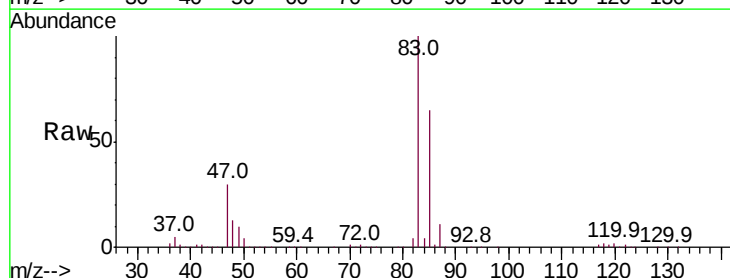
Acq: 13 Sep 2018 15:31

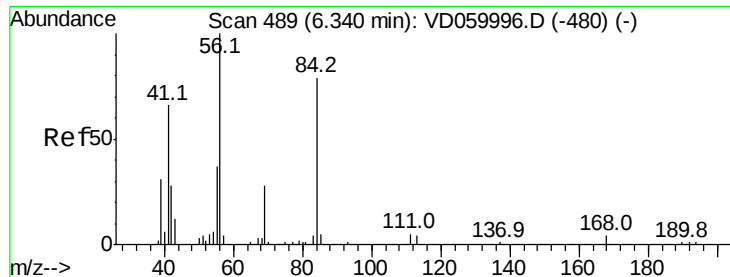
Tgt Ion: 83 Resp: 4002245

Ion Ratio Lower Upper

83 100

85 65.2 52.6 78.8

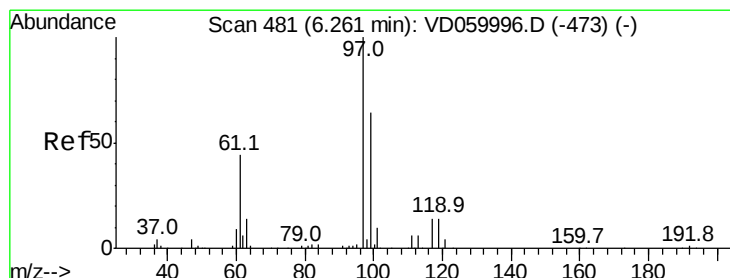
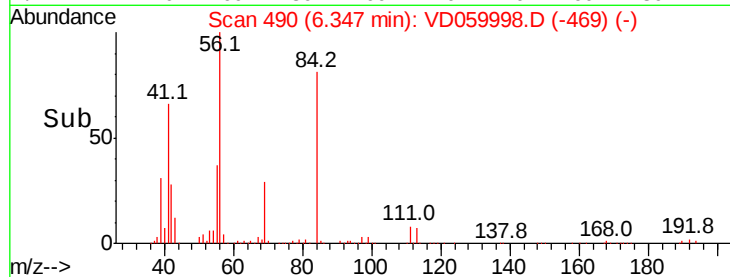
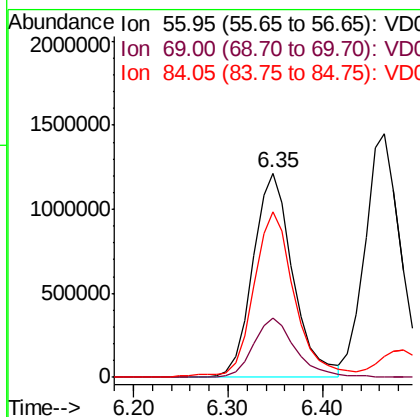
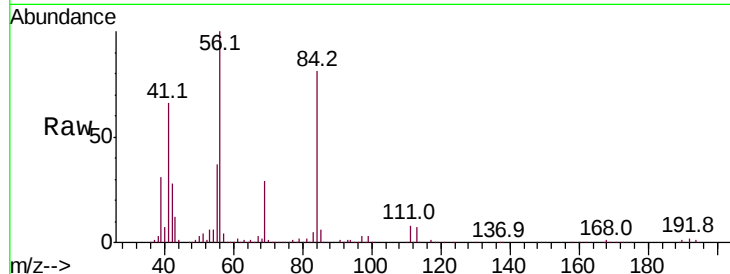




#31
Cvclohexane
Concen: 132.087 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

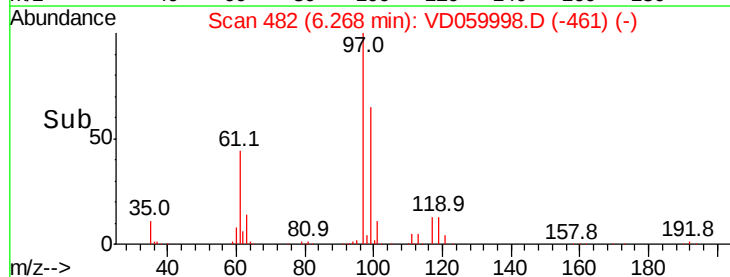
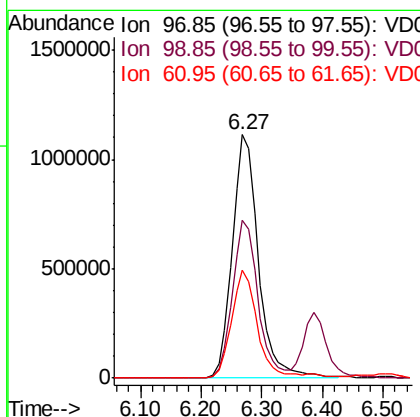
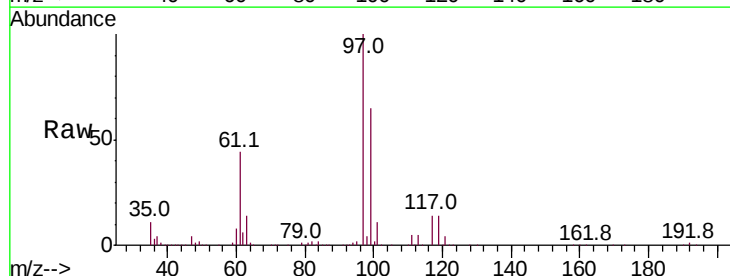
Instrument :
MSVOA_D
ClientSampleId :

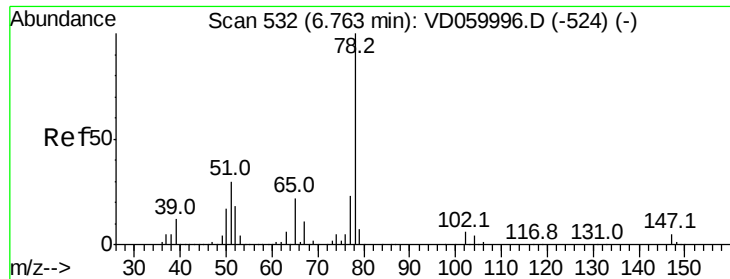
Tot Ion: 56 Resp: 3562553
Ion Ratio Lower Upper
56 100
69 28.8 22.7 34.1
84 81.3 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 133.675 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion: 97 Resp: 3327627
Ion Ratio Lower Upper
97 100
99 64.7 51.3 76.9
61 44.2 35.5 53.3

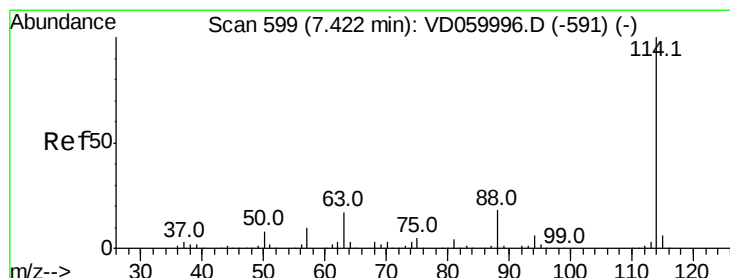
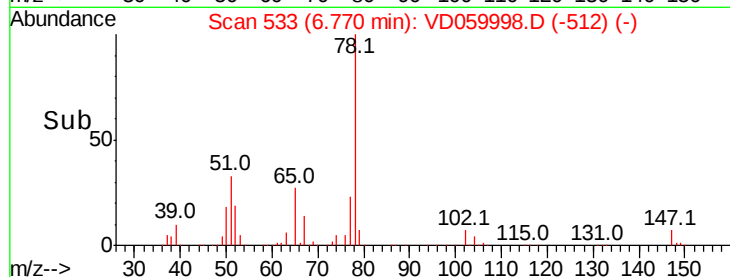
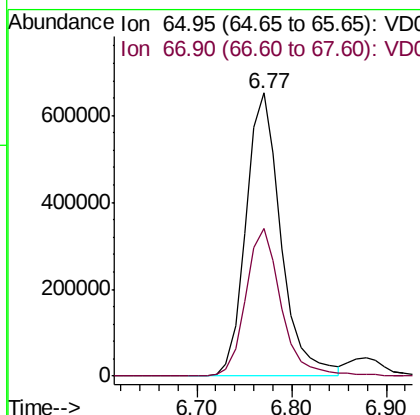
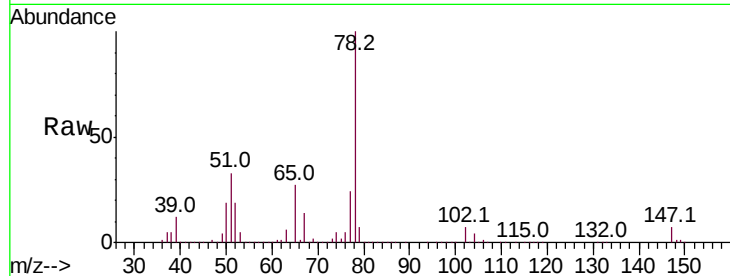




#33
 1,2-Dichloroethane-d4
 Concen: 133.675 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

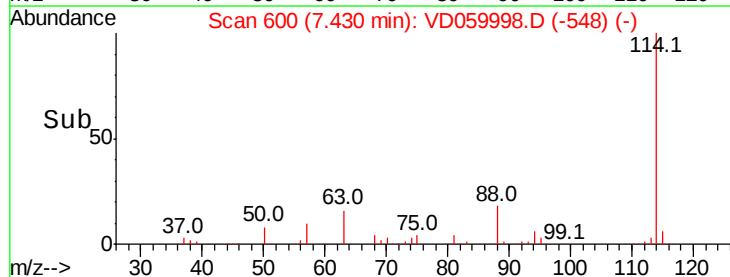
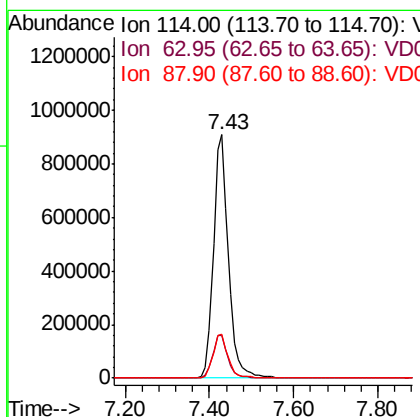
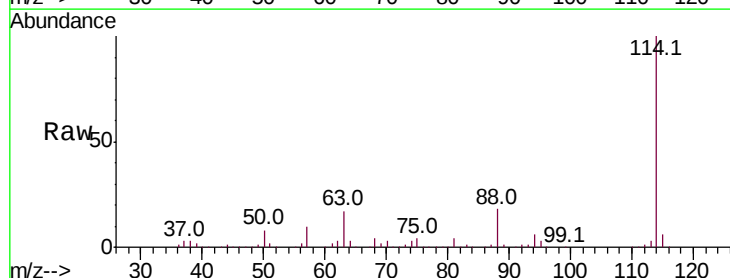
Instrument :
 MSVOA_D
 ClientSampleId :

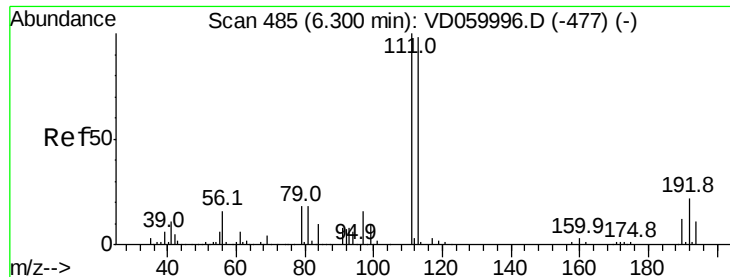
Tot Ion: 65 Resp: 1669673
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion:114 Resp: 2236092
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.4
 88 18.2 0.0 35.8

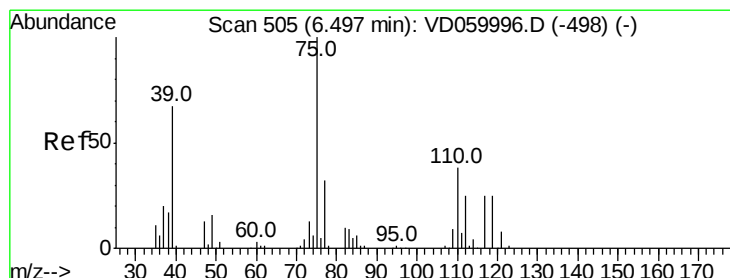
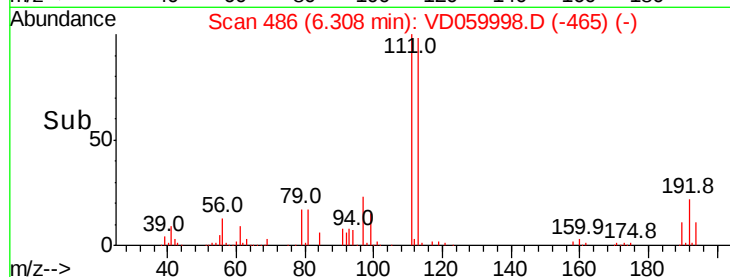
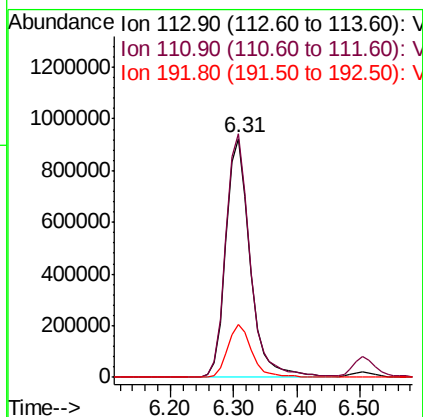
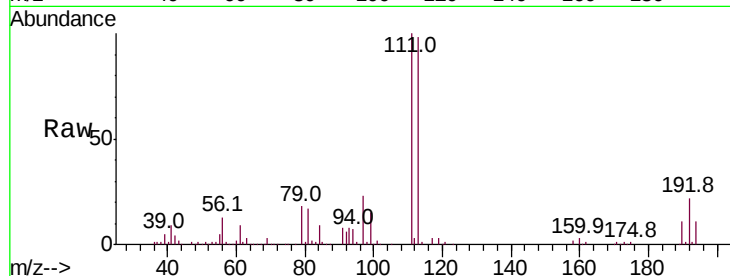




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

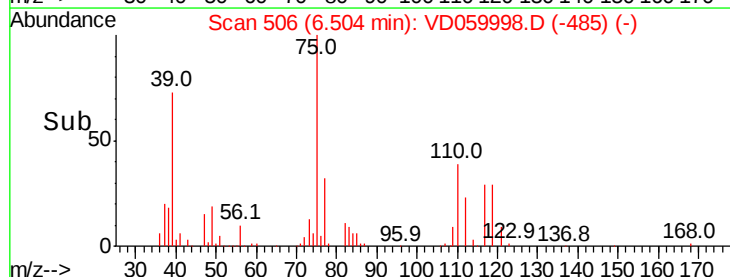
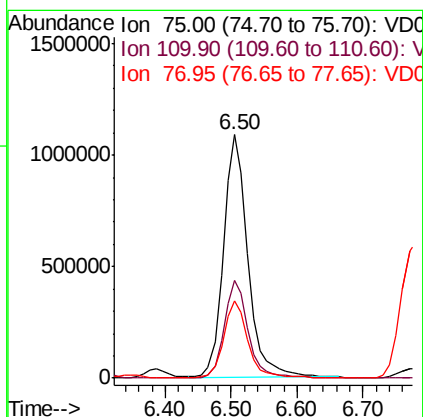
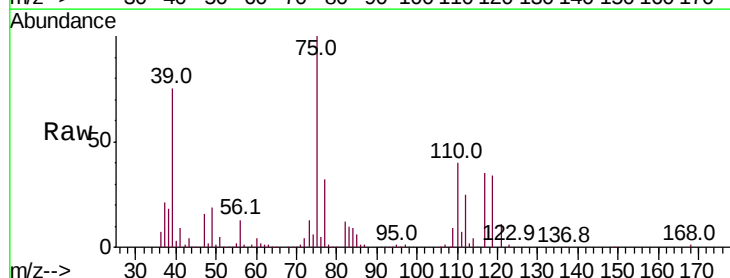
Instrument :
 MSVOA_D
 ClientSampleId :

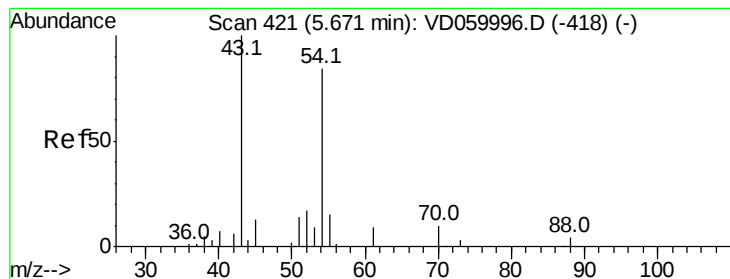
Tot Ion:113 Resp: 2455617
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.3 121.9
 192 22.3 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 135.018 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion: 75 Resp: 2800941
 Ion Ratio Lower Upper
 75 100
 110 40.1 18.9 56.9
 77 31.8 25.3 37.9





#37

Ethyl Acetate

Concen: 128.055 ug/l

RT: 5.68 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampled :

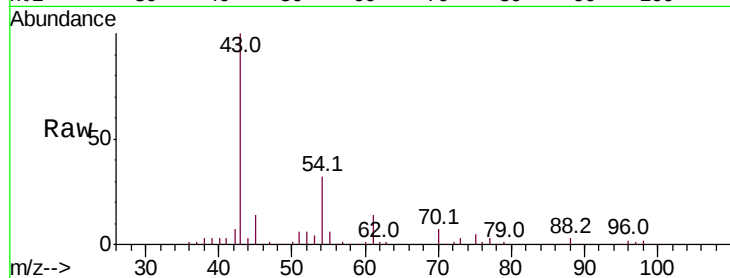
Tot Ion: 43 Resp: 2009913

Ion Ratio Lower Upper

43 100

61 14.2 10.2 15.2

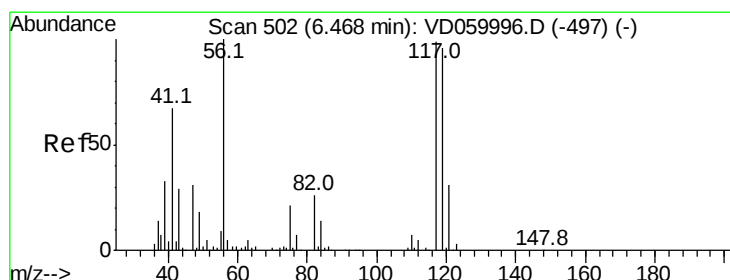
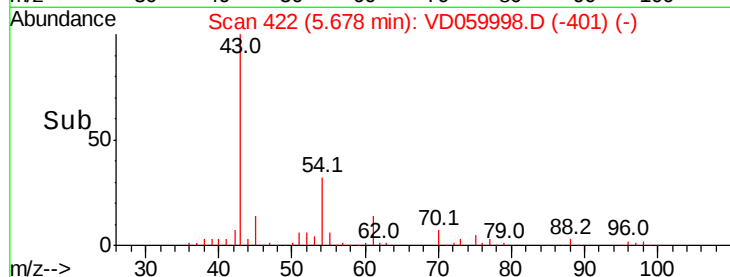
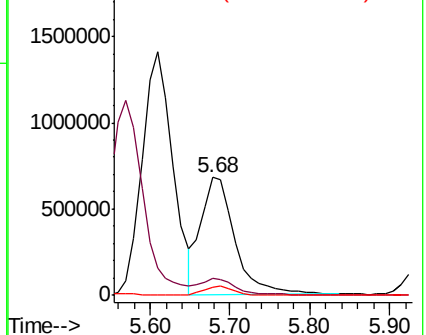
70 7.2 6.1 9.1



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: 130.934 ug/l

RT: 6.47 min Scan# 503

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

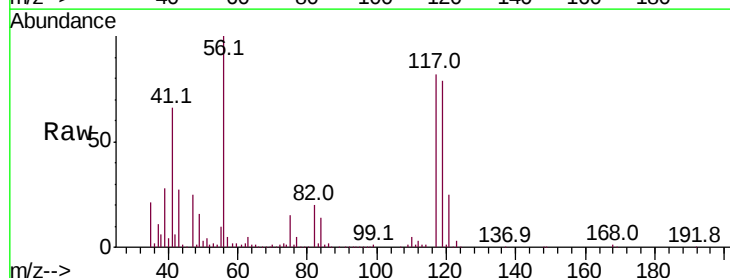
Tgt Ion: 117 Resp: 2725046

Ion Ratio Lower Upper

117 100

119 96.1 76.7 115.1

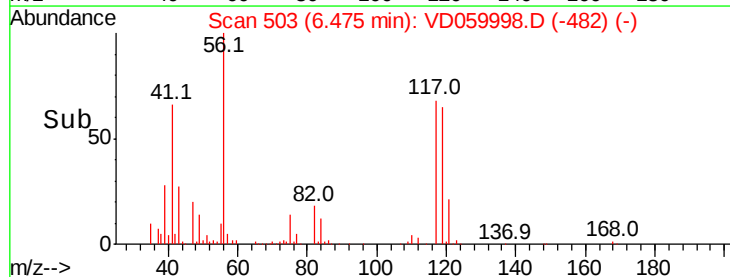
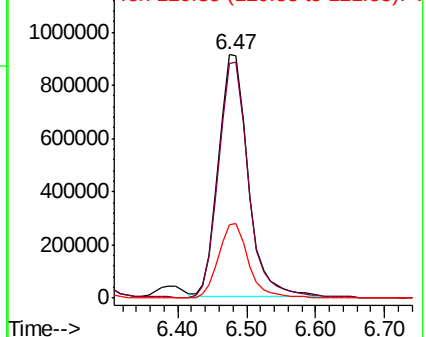
121 30.3 24.9 37.3

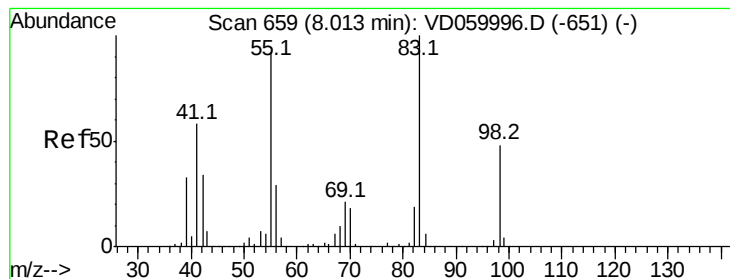


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 149.055 ug/l

RT: 8.02 min Scan# 660

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

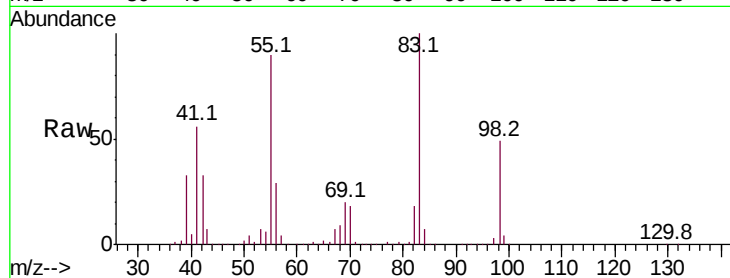
Tot Ion: 83 Resp: 3371496

Ion Ratio Lower Upper

83 100

55 90.1 73.8 110.6

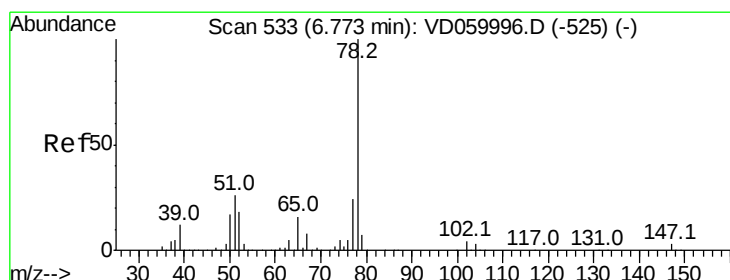
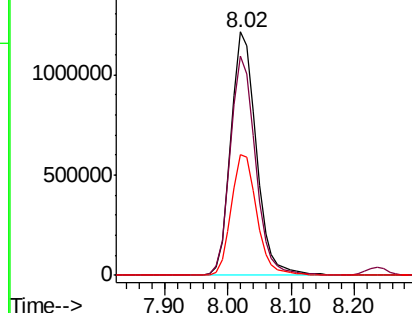
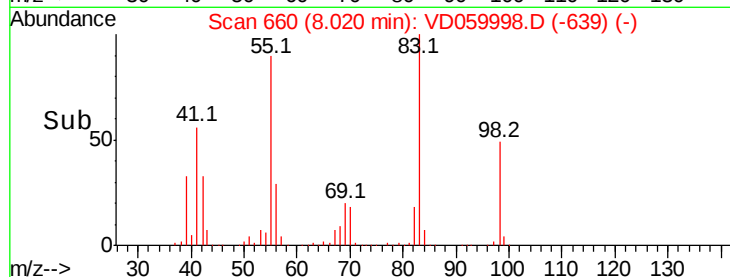
98 49.4 38.1 57.1



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 133.323 ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD059998.D

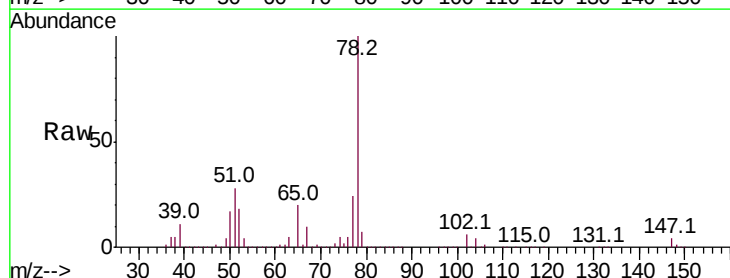
Acq: 13 Sep 2018 15:31

Tgt Ion: 78 Resp: 7204485

Ion Ratio Lower Upper

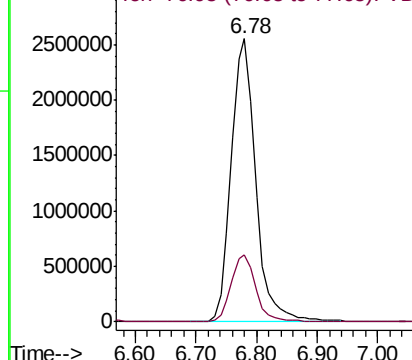
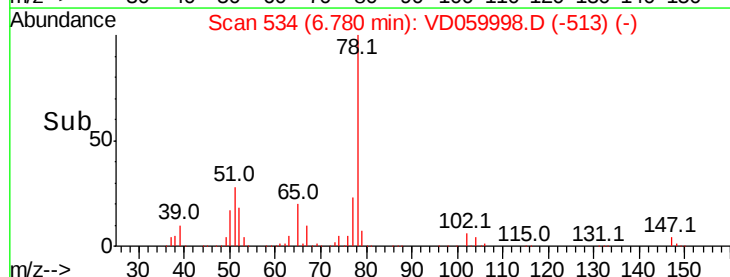
78 100

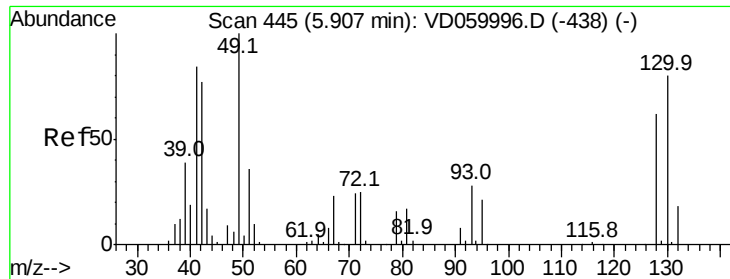
77 23.8 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

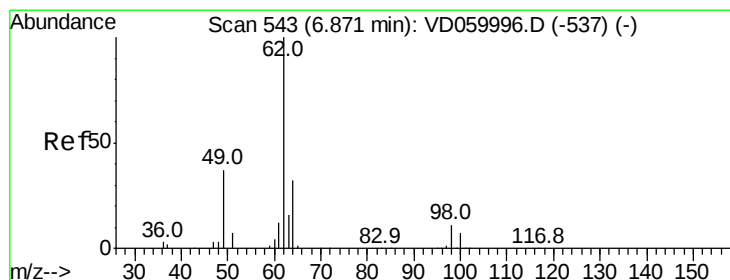
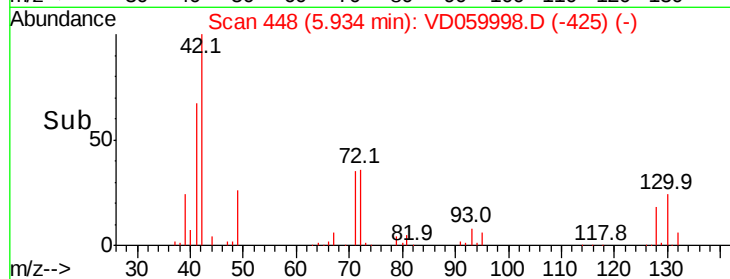
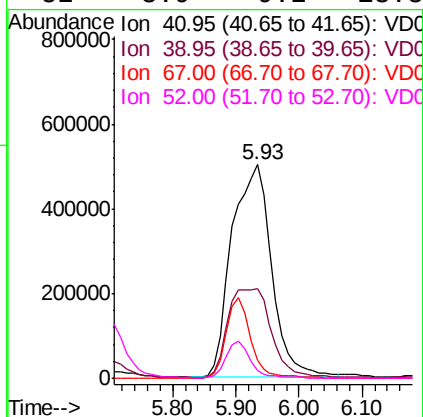
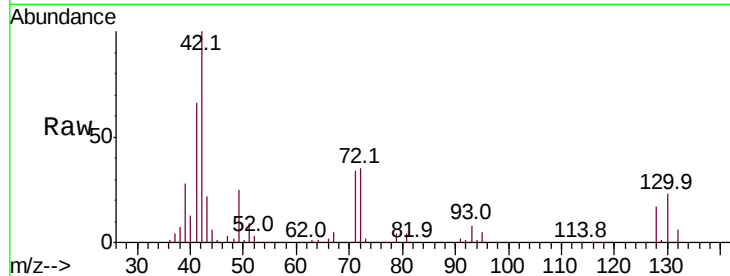




#41
Methacrylonitrile
Concen: 277.003 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.03 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

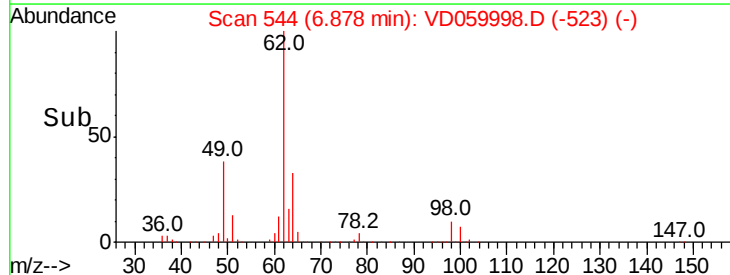
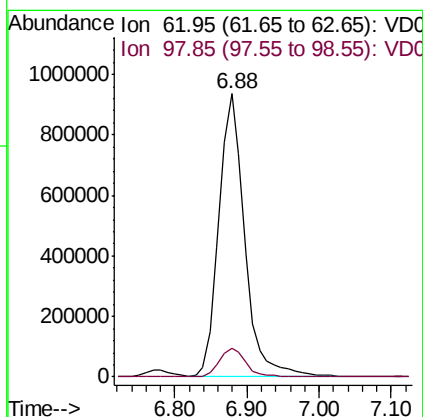
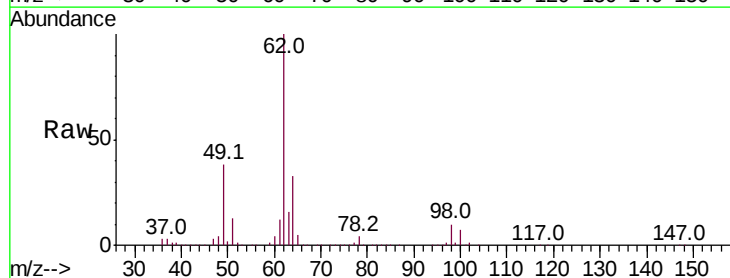
Instrument :
MSVOA_D
ClientSampleId :

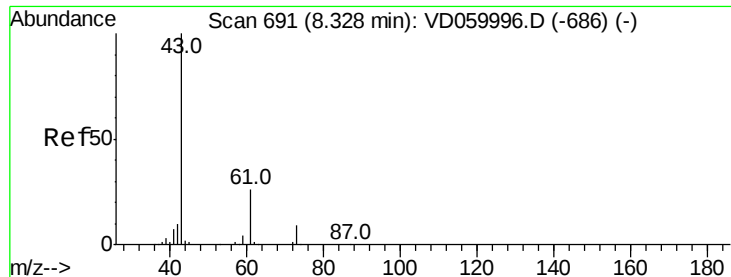
Tot Ion: 41 Resp: 2207661
Ion Ratio Lower Upper
41 100
39 42.0 37.5 56.3
67 8.2 21.5 32.3#
52 3.9 9.2 13.8#



#42
1,2-Dichloroethane
Concen: 135.772 ug/l
RT: 6.88 min Scan# 544
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion: 62 Resp: 2304949
Ion Ratio Lower Upper
62 100
98 10.3 0.0 21.4





#43

Isopropyl Acetate

Concen: 133.918 ug/l

RT: 8.33 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

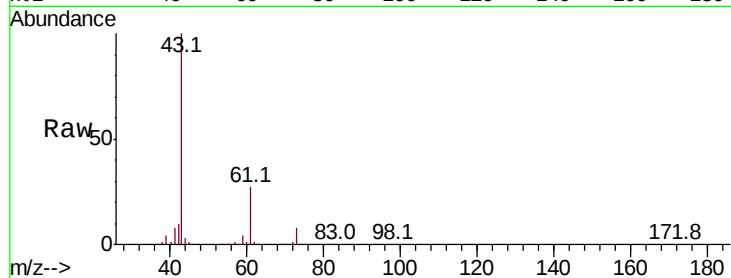
Tot Ion: 43 Resp: 2752890

Ion Ratio Lower Upper

43 100

61 27.2 21.0 31.6

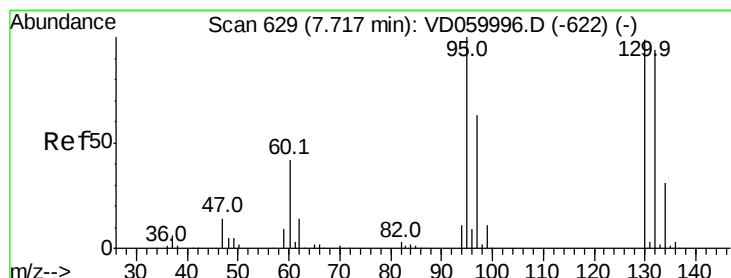
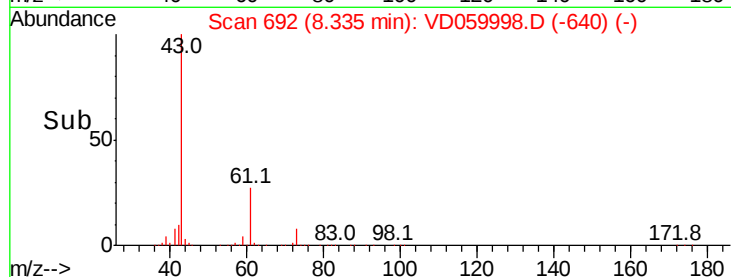
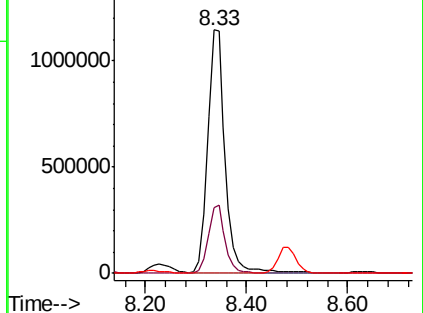
87 0.3 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 151.783 ug/l

RT: 7.72 min Scan# 630

Delta R.T. 0.01 min

Lab File: VD059998.D

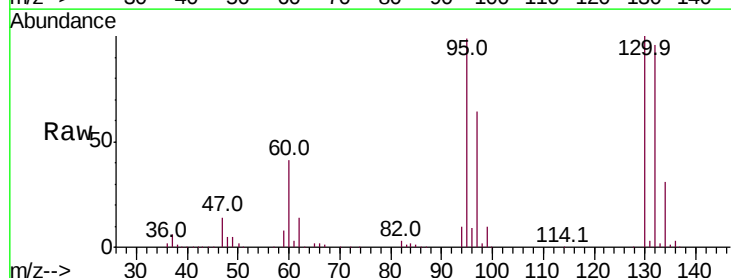
Acq: 13 Sep 2018 15:31

Tgt Ion:130 Resp: 2431162

Ion Ratio Lower Upper

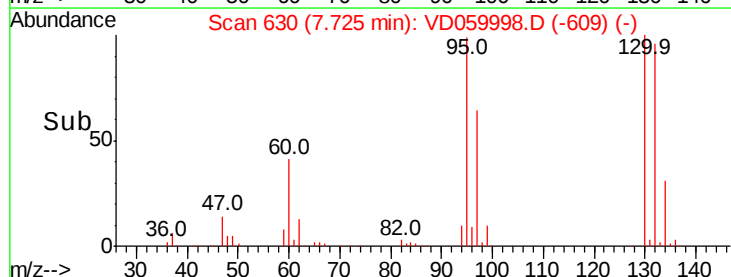
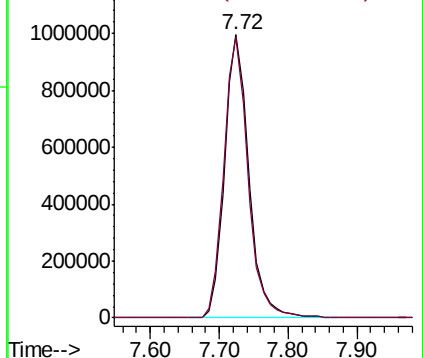
130 100

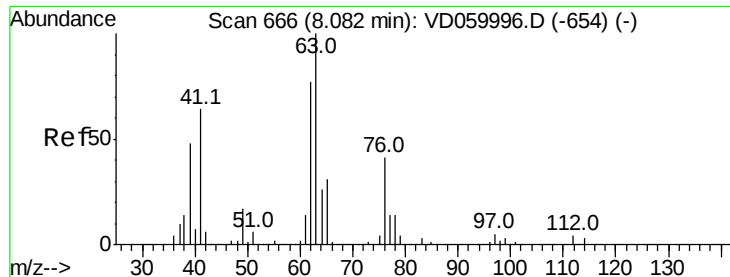
95 99.0 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 140.228 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

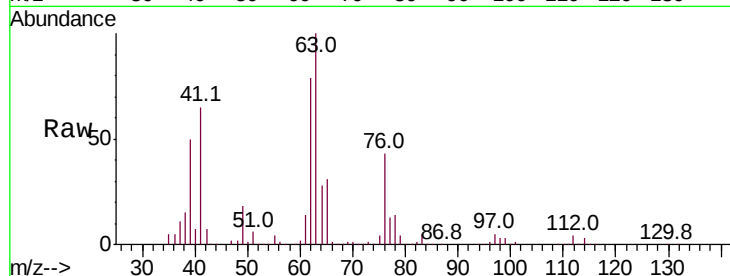
ClientSampleId :

Tot Ion: 63 Resp: 2093163

Ion Ratio Lower Upper

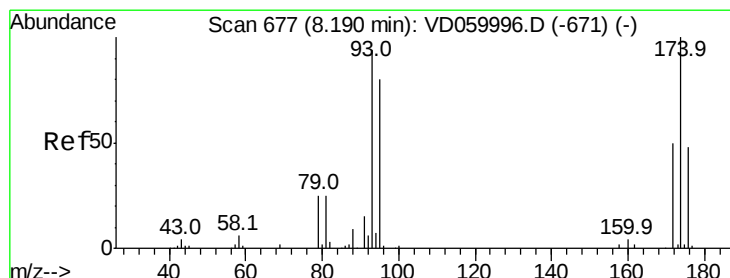
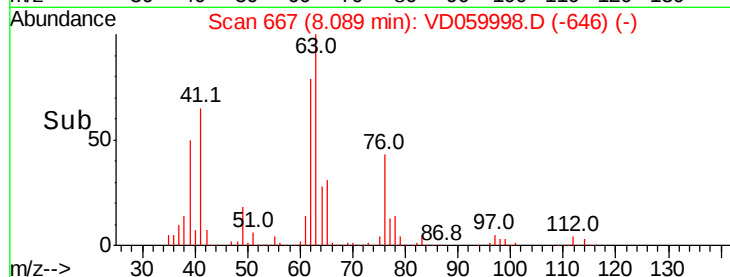
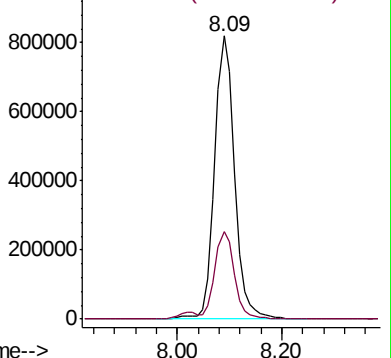
63 100

65 31.2 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 140.326 ug/l

RT: 8.21 min Scan# 679

Delta R.T. 0.02 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

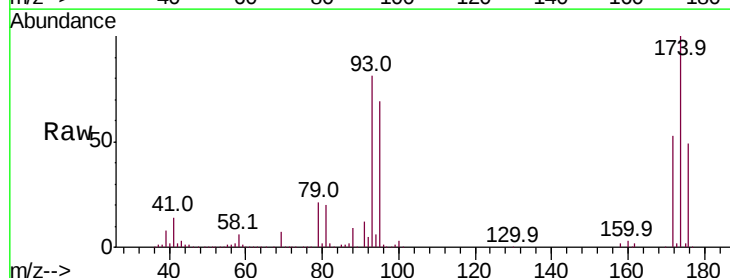
Tgt Ion: 93 Resp: 1348238

Ion Ratio Lower Upper

93 100

95 84.8 68.0 102.0

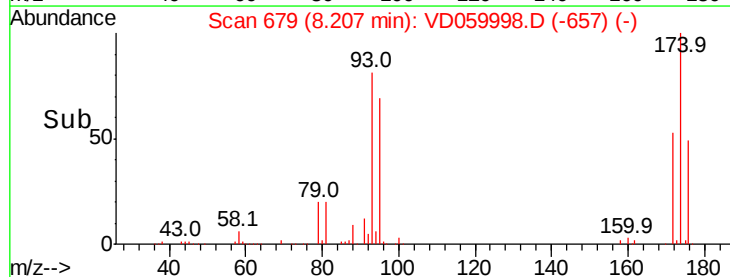
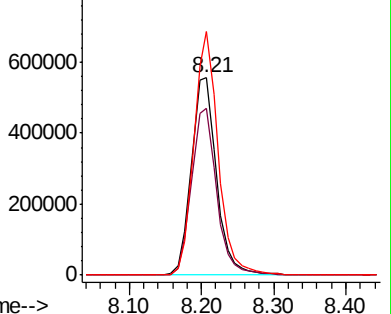
174 123.3 85.4 128.2

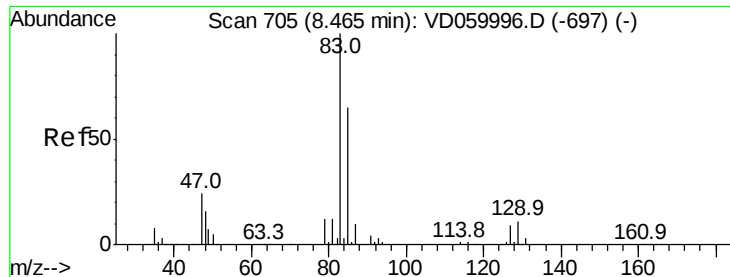


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 134.141 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.02 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

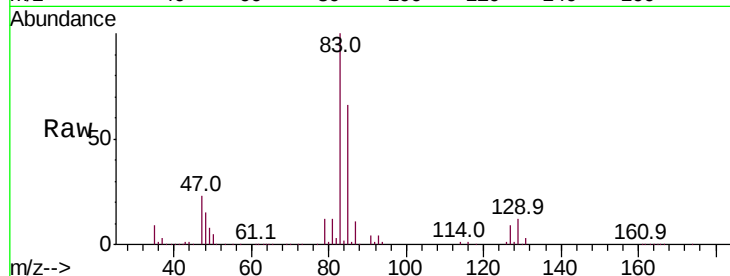
Tot Ion: 83 Resp: 2891949

Ion Ratio Lower Upper

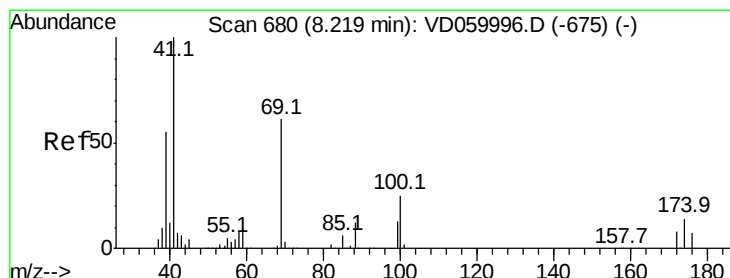
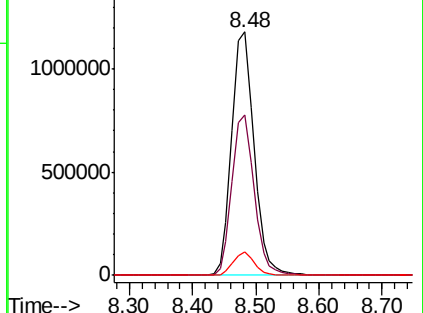
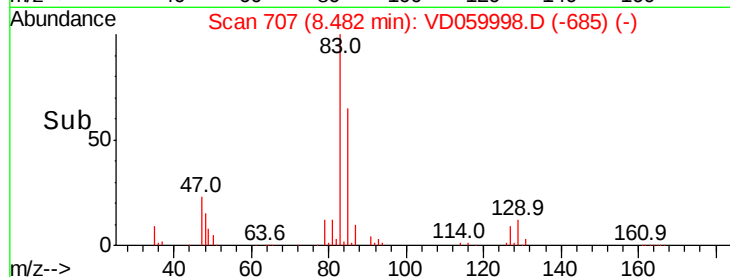
83 100

85 66.0 51.9 77.9

127 9.5 6.8 10.2



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: 126.209 ug/l

RT: 8.24 min Scan# 682

Delta R.T. 0.02 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

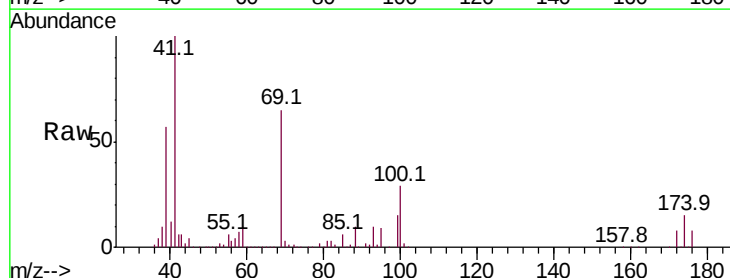
Tgt Ion: 41 Resp: 1509954

Ion Ratio Lower Upper

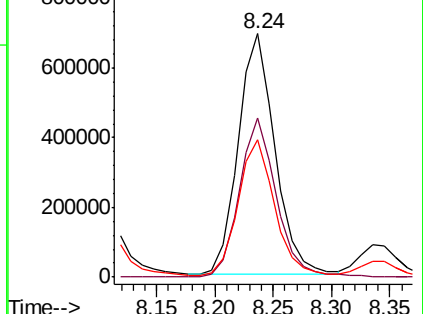
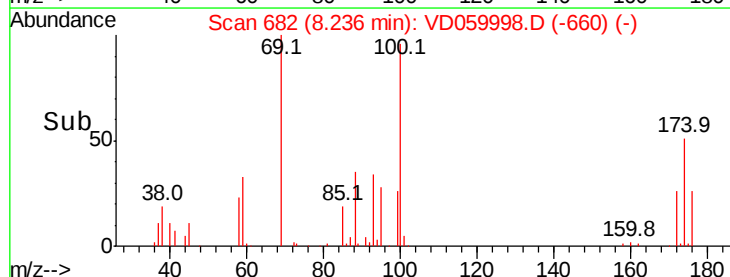
41 100

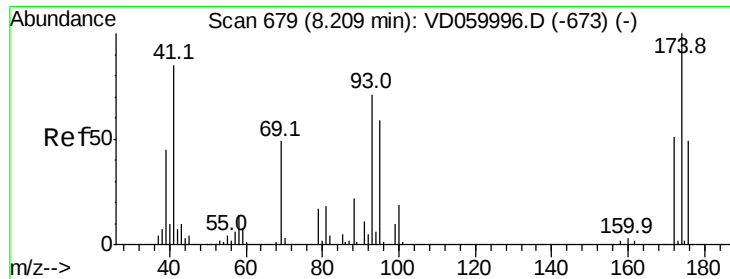
69 65.5 48.3 72.5

39 56.7 44.1 66.1



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: 2731.567 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.02 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampled :

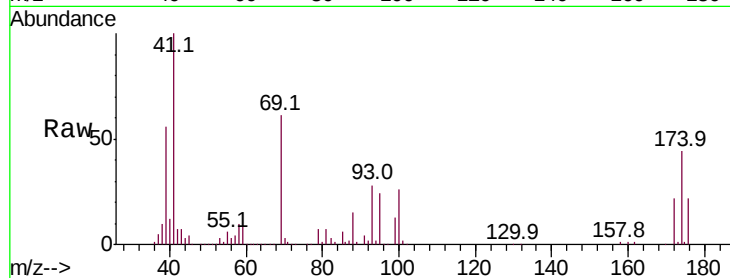
Tot Ion: 88 Resp: 296097

Ion Ratio Lower Upper

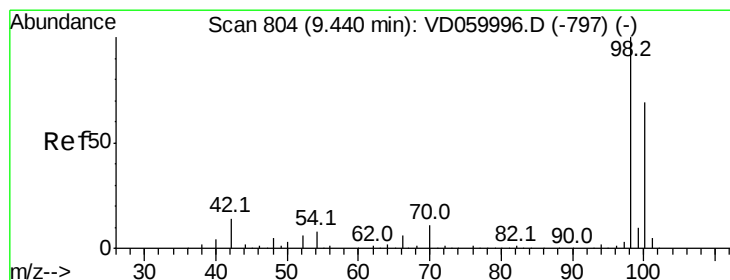
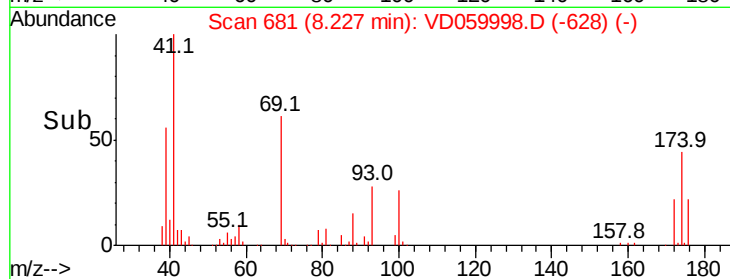
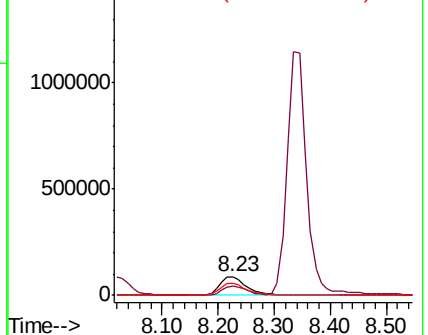
88 100

43 49.6 36.2 54.2

58 65.9 51.0 76.6



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: 2731.567 ug/l

RT: 9.45 min Scan# 805

Delta R.T. 0.01 min

Lab File: VD059998.D

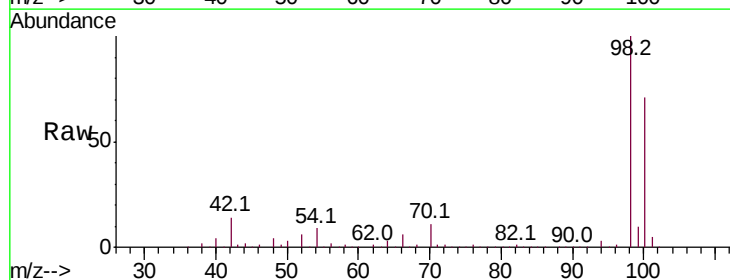
Acq: 13 Sep 2018 15:31

Tgt Ion: 98 Resp: 6725689

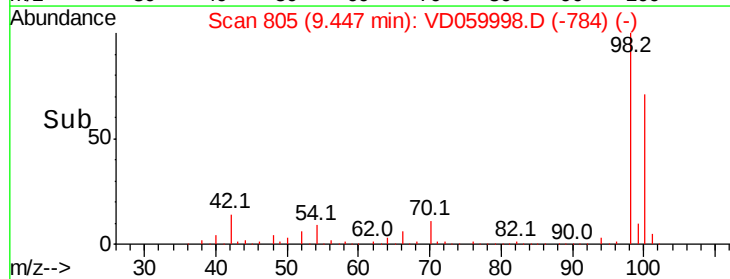
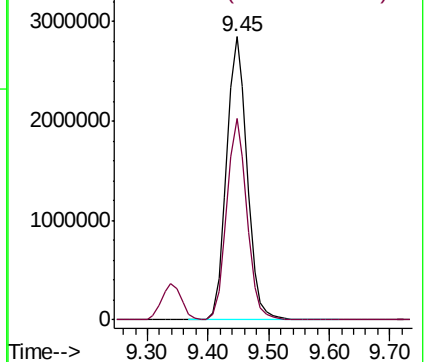
Ion Ratio Lower Upper

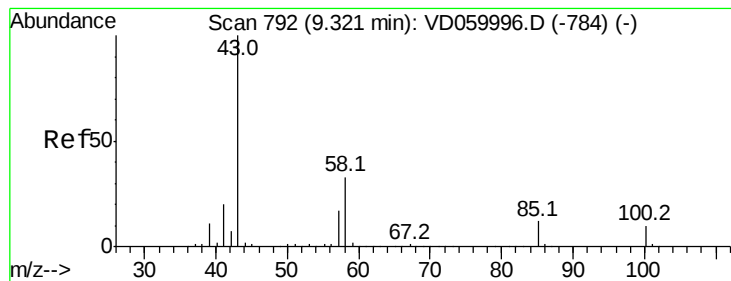
98 100

100 71.0 55.8 83.6



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: 520.182 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

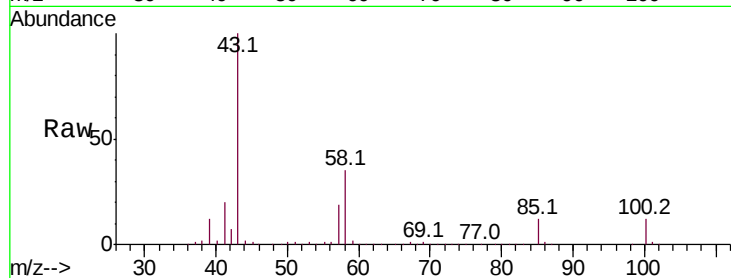
ClientSampled :

Tot Ion: 43 Resp: 7623645

Ion Ratio Lower Upper

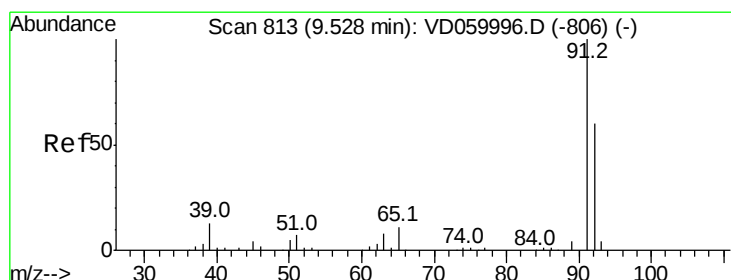
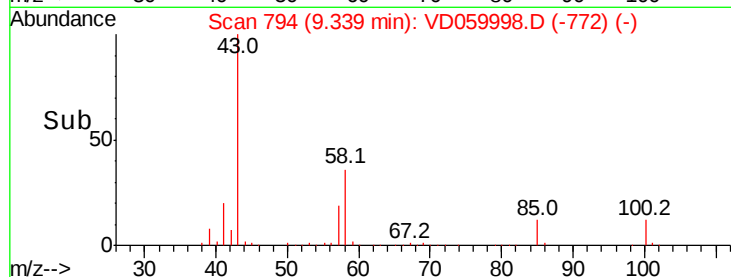
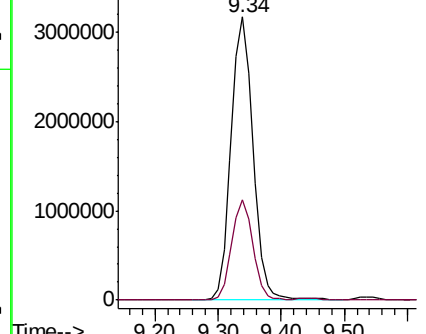
43 100

58 35.5 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 136.146 ug/l

RT: 9.55 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD059998.D

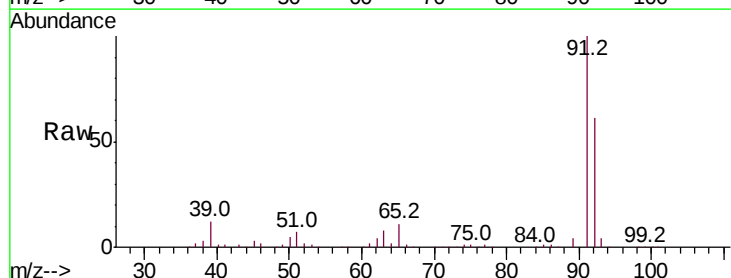
Acq: 13 Sep 2018 15:31

Tgt Ion: 92 Resp: 4707532

Ion Ratio Lower Upper

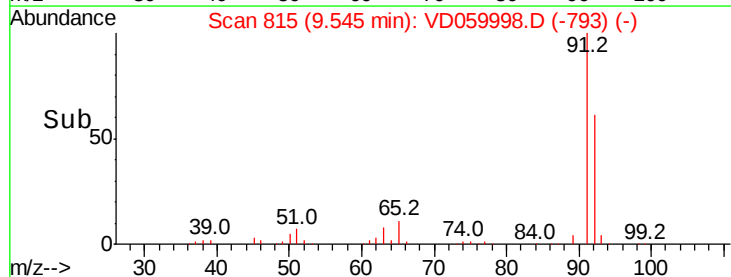
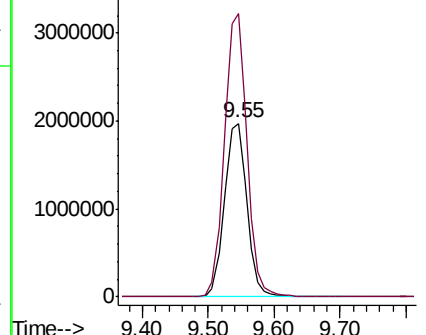
92 100

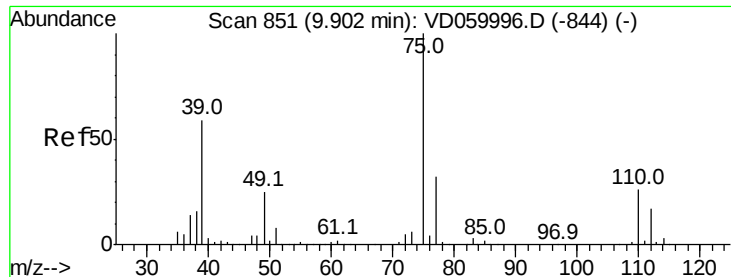
91 163.3 132.3 198.5



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: 134.569 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

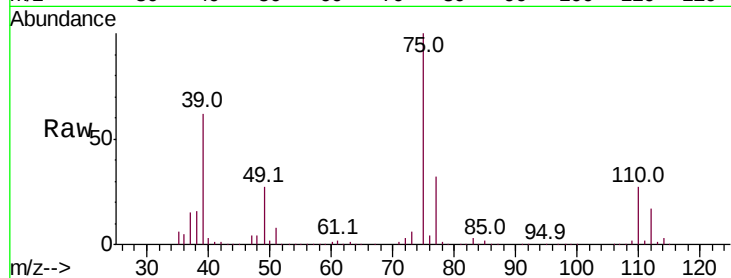
ClientSampled :

Tot Ion: 75 Resp: 2676155

Ion Ratio Lower Upper

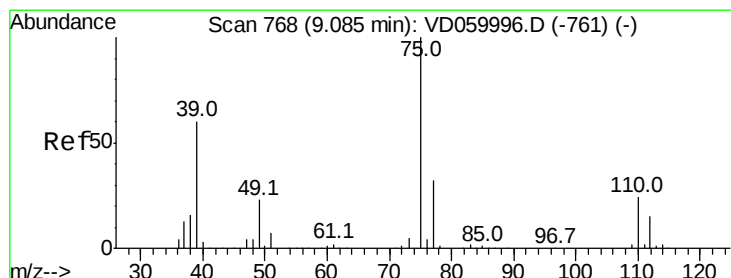
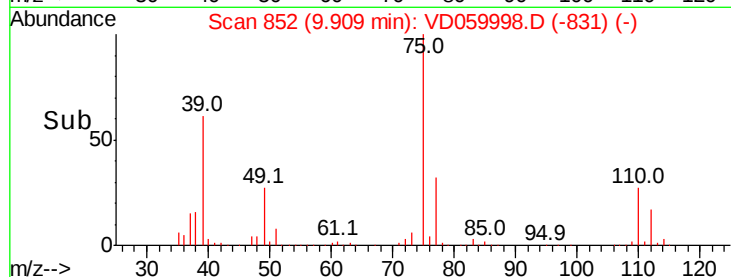
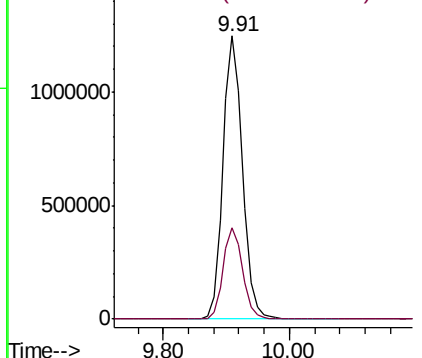
75 100

77 32.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 139.205 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

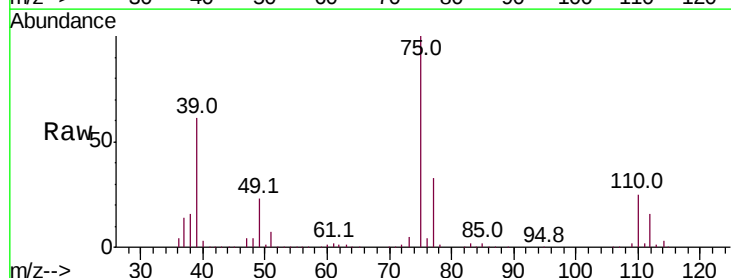
Tgt Ion: 75 Resp: 3250100

Ion Ratio Lower Upper

75 100

77 32.9 25.5 38.3

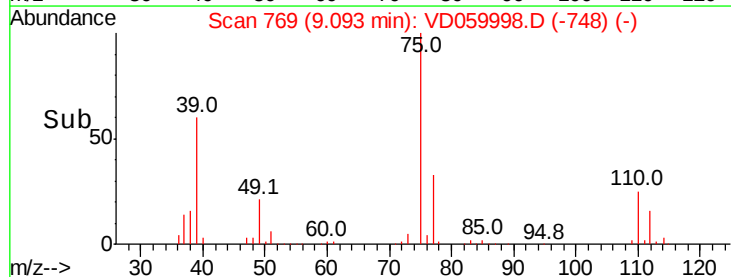
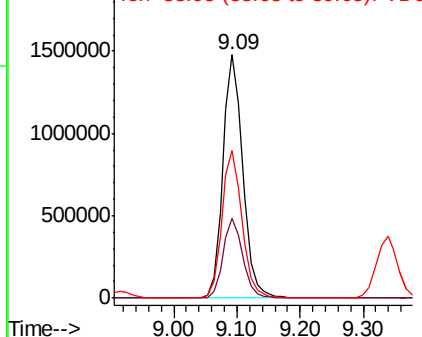
39 60.7 48.0 72.0

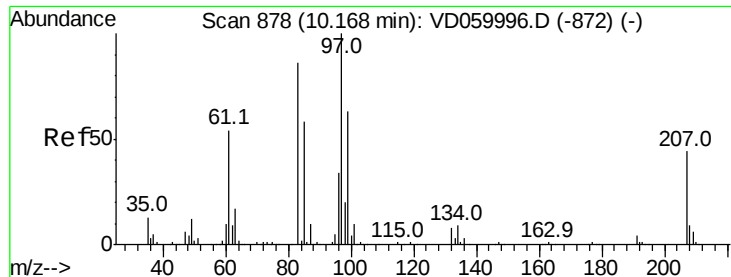


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



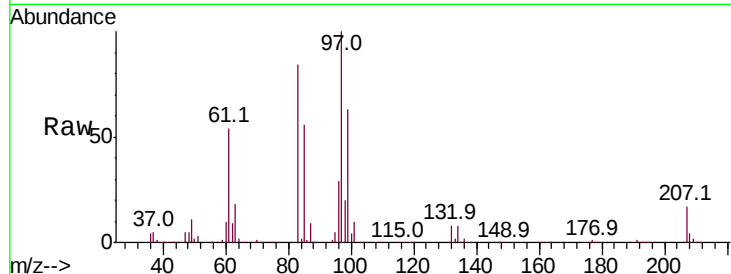


#55
 1,1,2-Trichloroethane
 Concen: 131.198 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

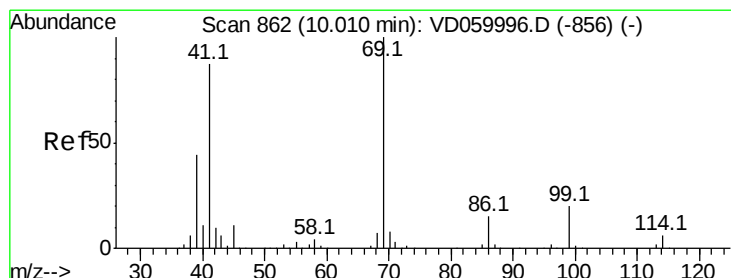
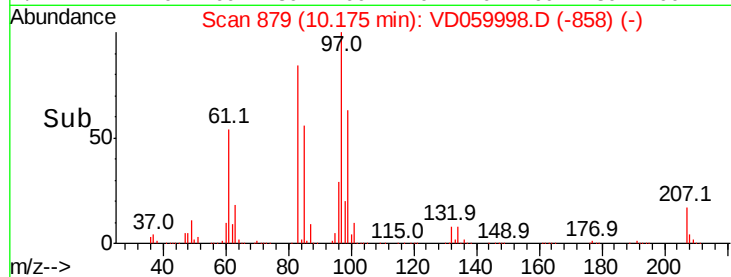
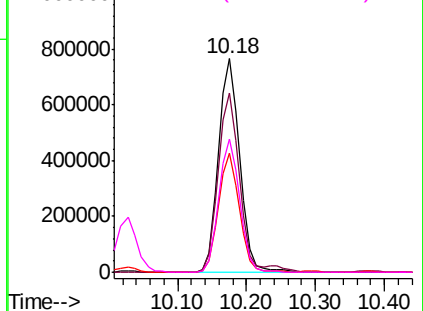
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 97 Resp: 1635277

Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.1	103.7
85	55.7	46.2	69.4
99	62.5	50.6	75.8



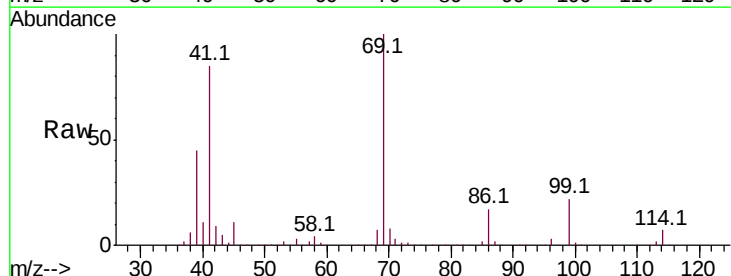
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



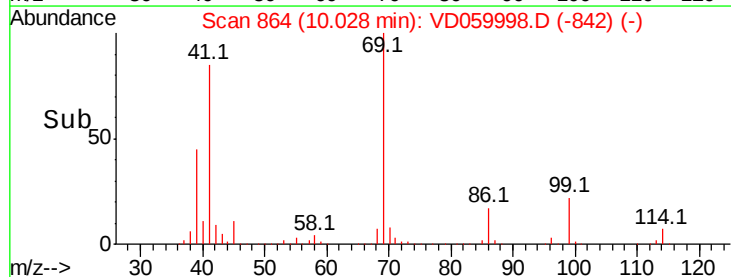
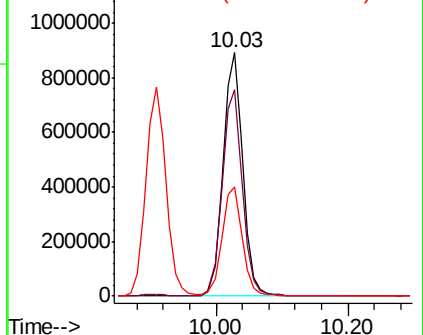
#56
 Ethyl methacrylate
 Concen: 130.731 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

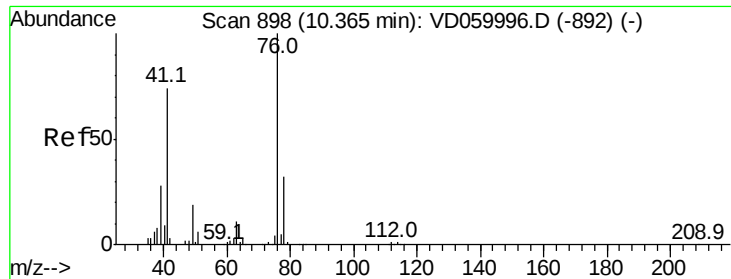
Tgt Ion: 69 Resp: 1866419

Ion	Ratio	Lower	Upper
69	100		
41	84.6	70.1	105.1
39	44.7	36.5	54.7



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: 137.546 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

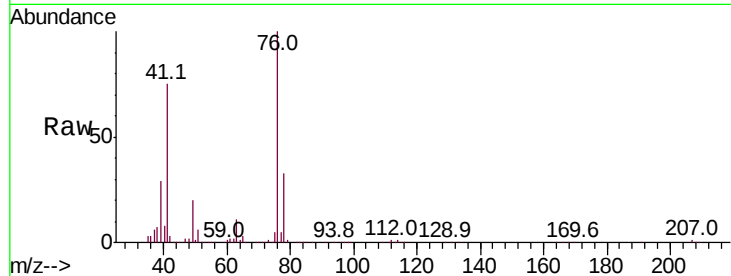
ClientSampled :

Tot Ion: 76 Resp: 2484679

Ion Ratio Lower Upper

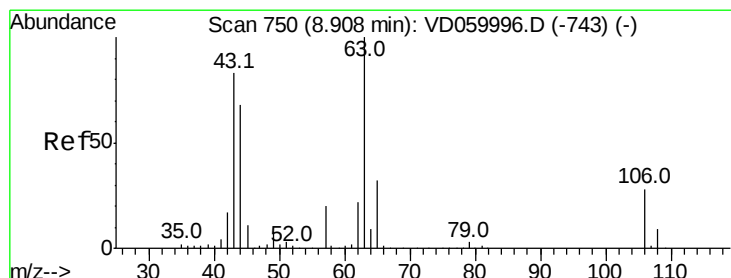
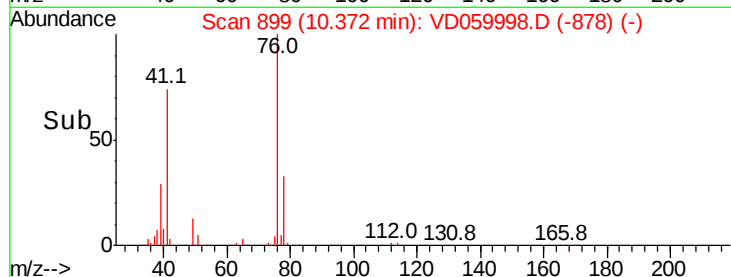
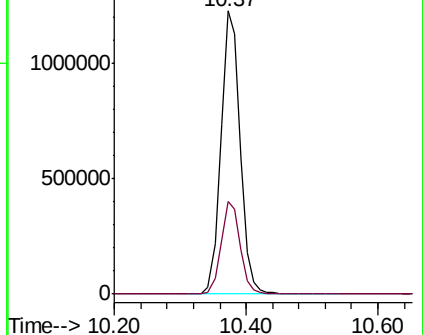
76 100

78 32.8 25.3 37.9



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: 590.192 ug/l

RT: 8.92 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD059998.D

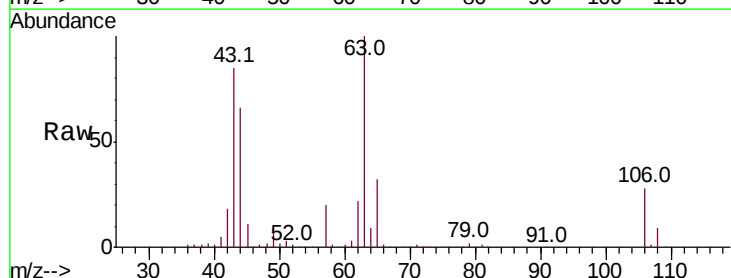
Acq: 13 Sep 2018 15:31

Tgt Ion: 63 Resp: 4036407

Ion Ratio Lower Upper

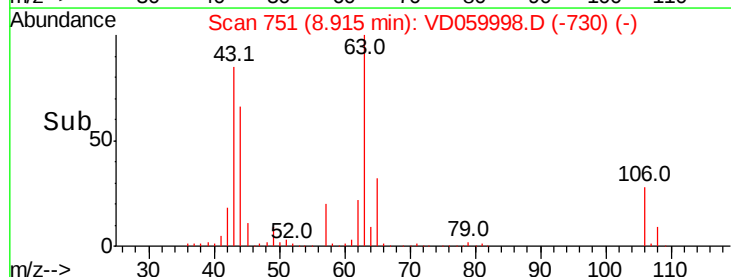
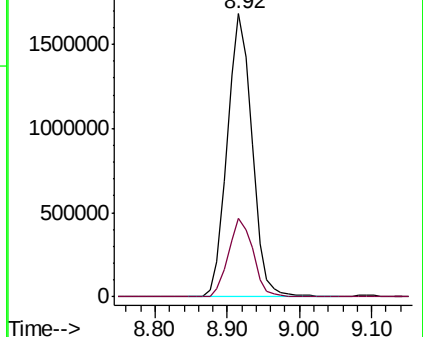
63 100

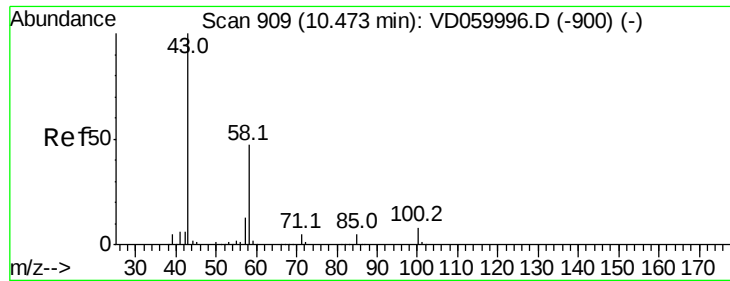
106 27.8 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

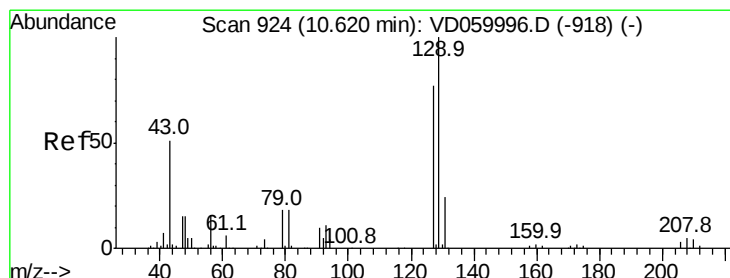
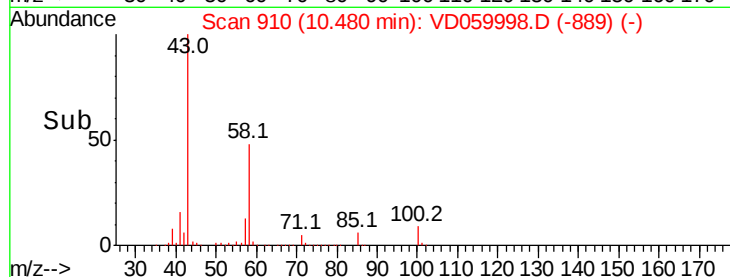
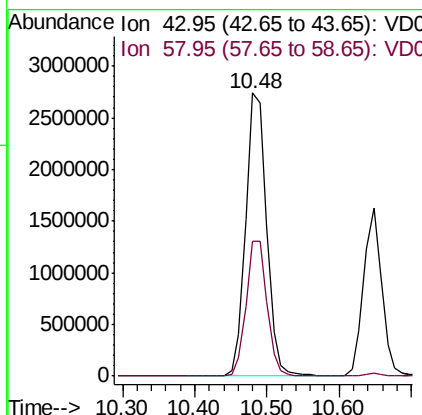
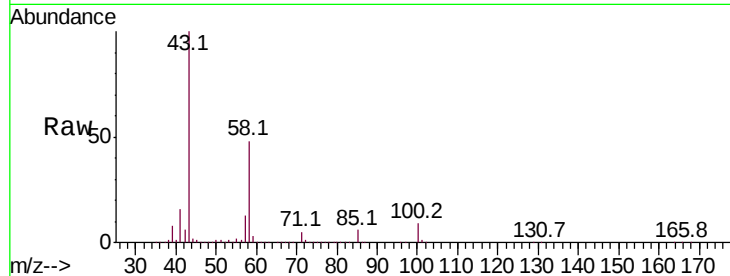




#59
2-Hexanone
Concen: 517.627 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

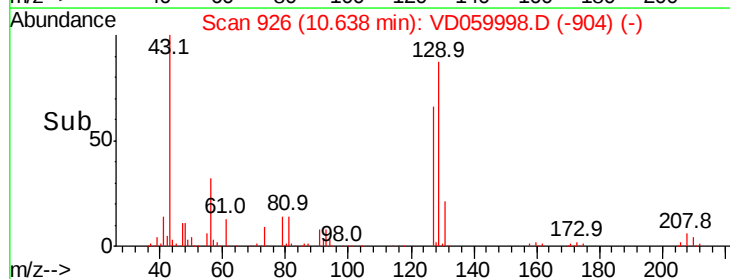
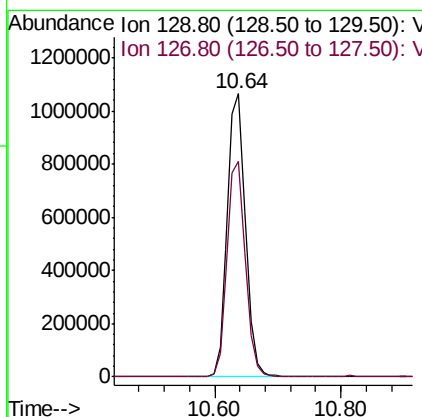
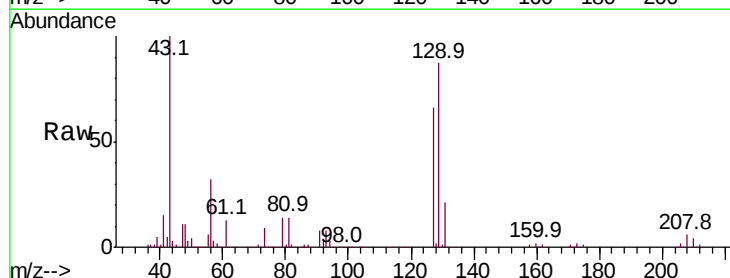
Instrument :
MSVOA_D
ClientSampleId :

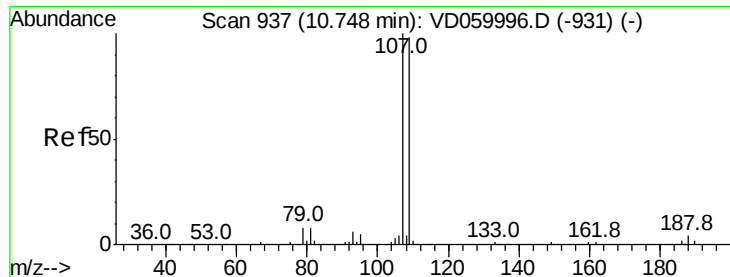
Tot Ion: 43 Resp: 5594539
Ion Ratio Lower Upper
43 100
58 47.5 23.4 70.0



#60
Dibromochloromethane
Concen: 135.418 ug/l
RT: 10.64 min Scan# 926
Delta R.T. 0.02 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion: 129 Resp: 2117852
Ion Ratio Lower Upper
129 100
127 76.2 38.6 116.0

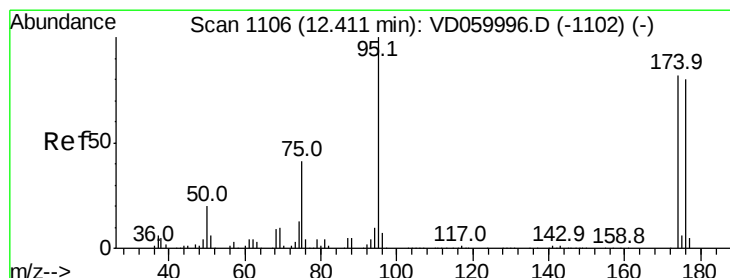
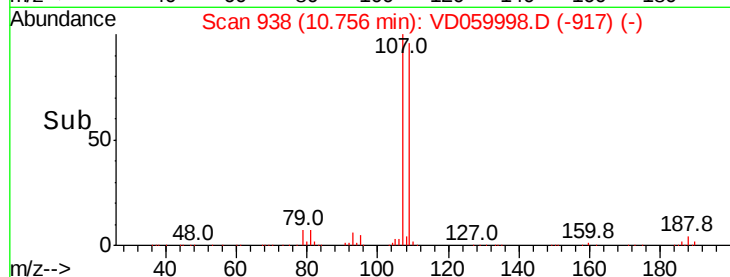
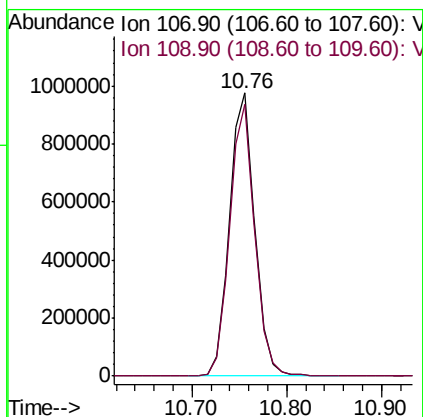
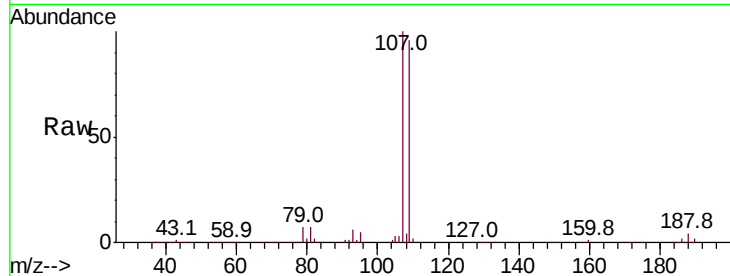




#61
 1,2-Dibromoethane
 Concen: 142.633 ug/l
 RT: 10.76 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

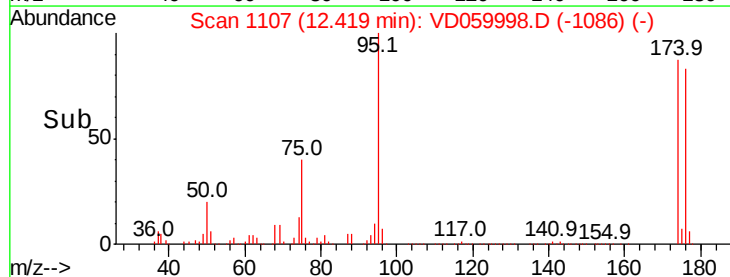
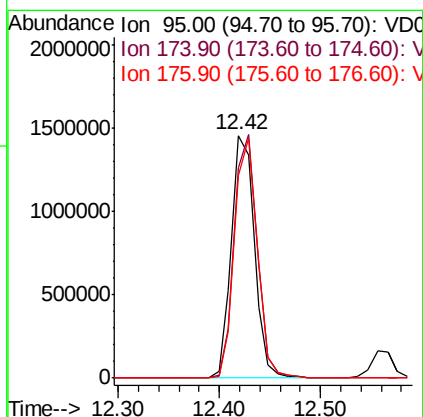
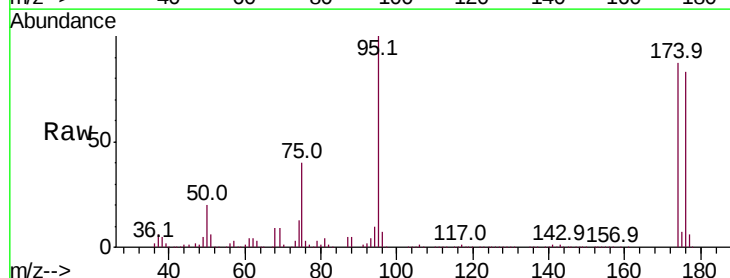
Instrument :
 MSVOA_D
 ClientSampled :

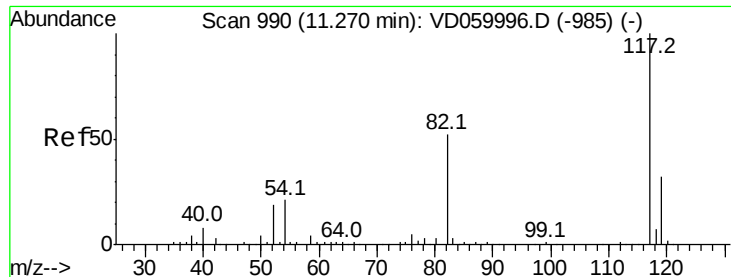
Tot Ion:107 Resp: 1796165
 Ion Ratio Lower Upper
 107 100
 109 96.0 78.2 117.2



#62
 4-Bromofluorobenzene
 Concen: 142.633 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion: 95 Resp: 2318064
 Ion Ratio Lower Upper
 95 100
 174 86.6 0.0 165.0
 176 83.4 0.0 160.2

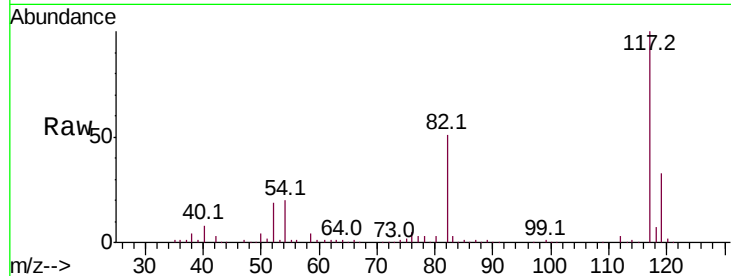




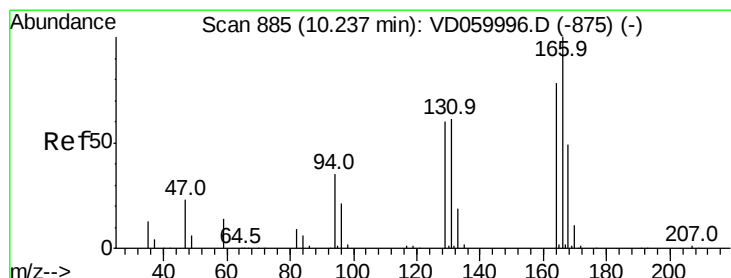
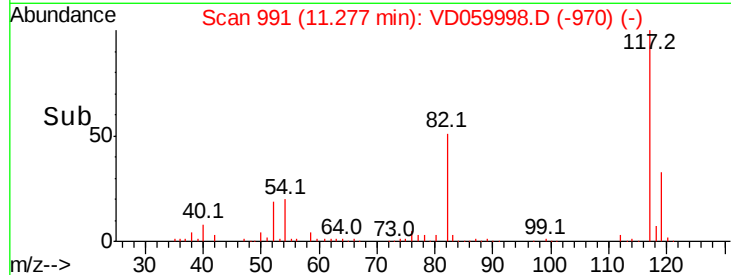
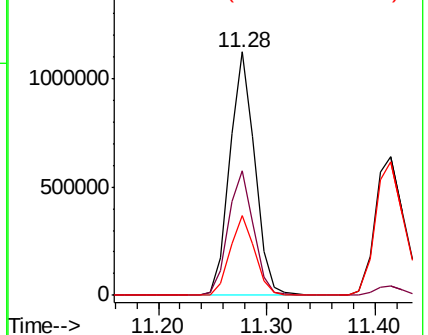
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1805408
Ion Ratio Lower Upper
117 100
82 51.4 41.7 62.5
119 33.0 26.0 39.0

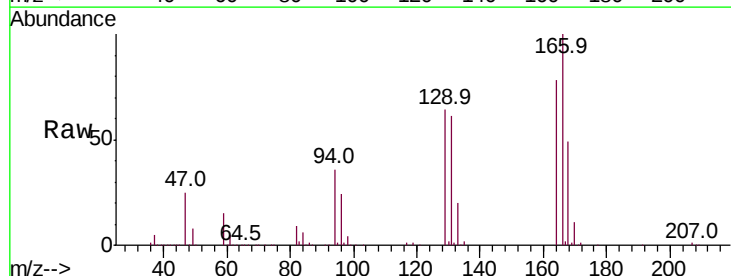


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

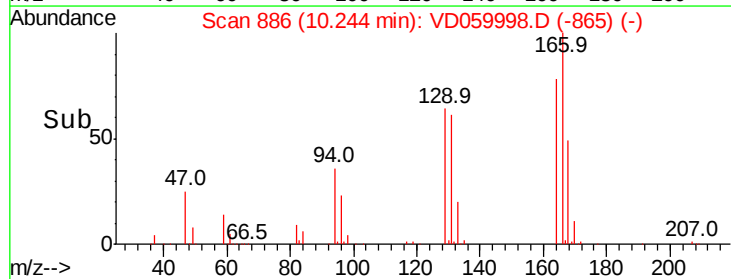
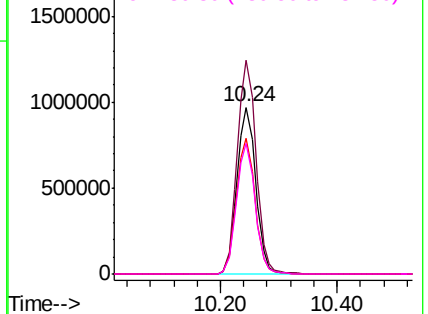


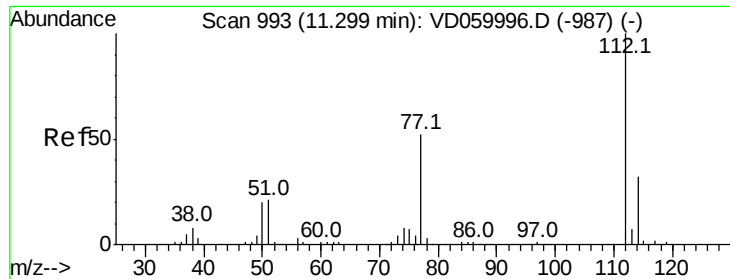
#64
Tetrachloroethene
Concen: 150.930 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion:164 Resp: 2186267
Ion Ratio Lower Upper
164 100
166 128.2 103.0 154.6
129 81.6 61.9 92.9
131 78.1 62.6 93.8



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

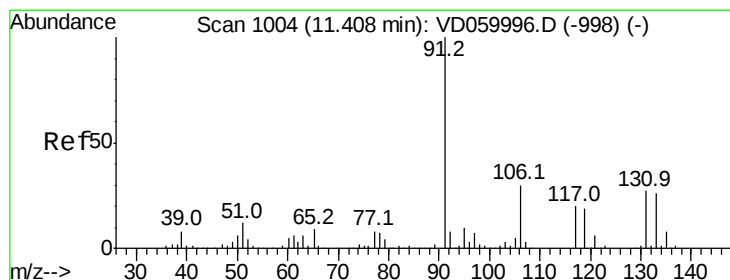
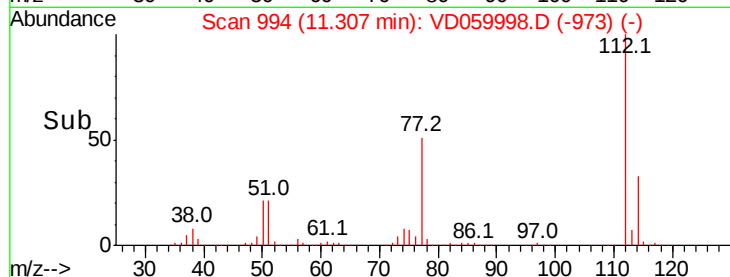
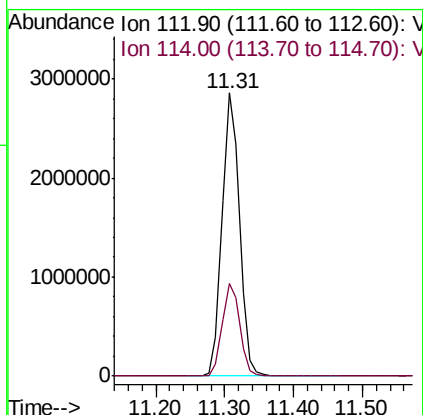
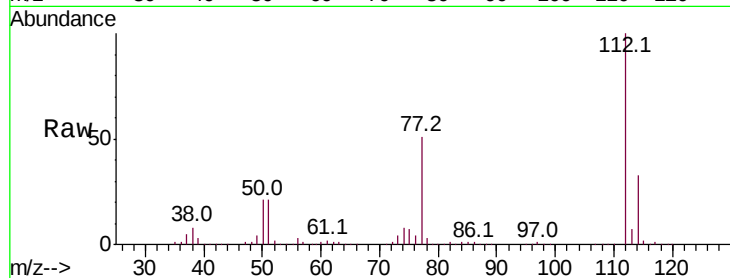




#65
Chlorobenzene
Concen: 136.494 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

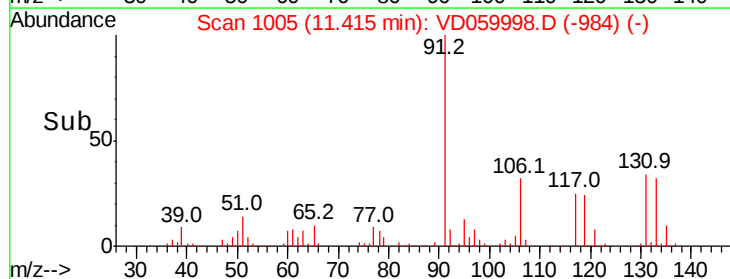
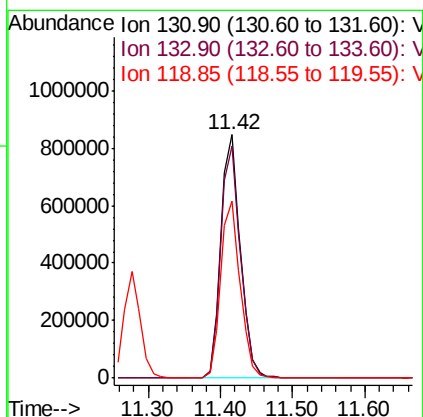
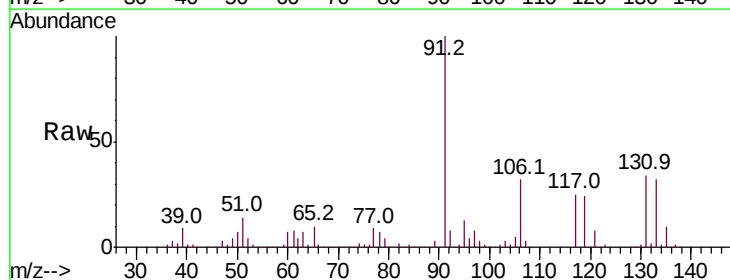
Instrument :
MSVOA_D
ClientSampled :

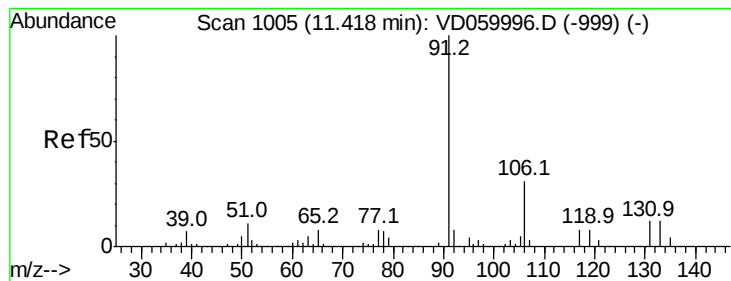
Tot Ion:112 Resp: 5026217
Ion Ratio Lower Upper
112 100
114 33.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 118.739 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion:131 Resp: 1575728
Ion Ratio Lower Upper
131 100
133 95.4 47.4 142.3
119 72.6 35.6 106.9





#67

Ethyl Benzene

Concen: 111.781 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

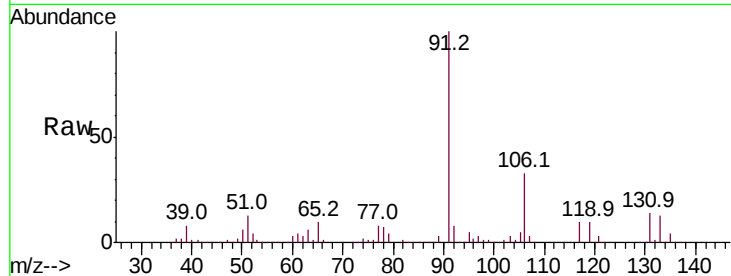
ClientSampled :

Tot Ion: 91 Resp: 6876372

Ion Ratio Lower Upper

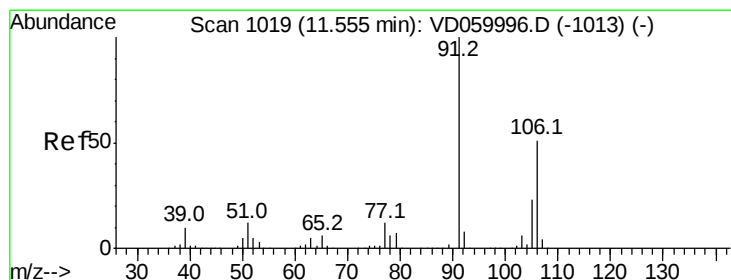
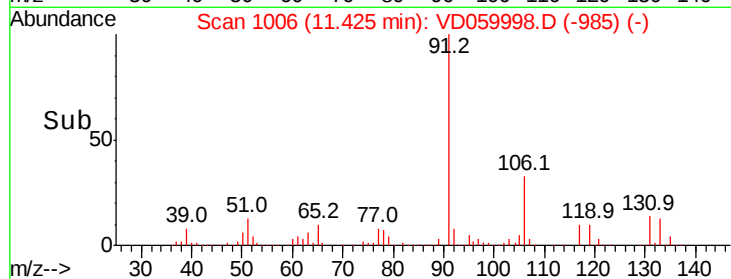
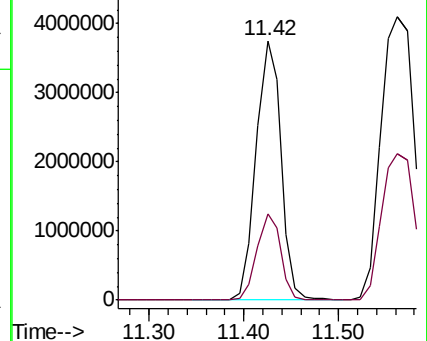
91 100

106 33.0 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 225.458 ug/l

RT: 11.56 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD059998.D

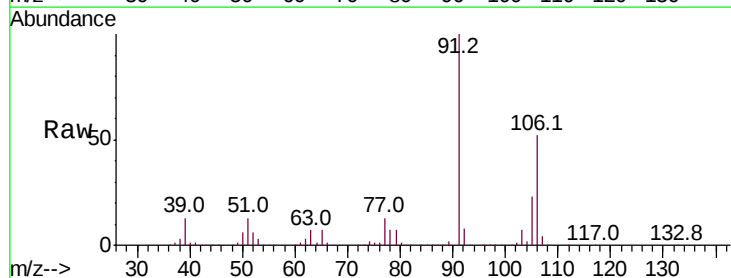
Acq: 13 Sep 2018 15:31

Tgt Ion:106 Resp: 5098974

Ion Ratio Lower Upper

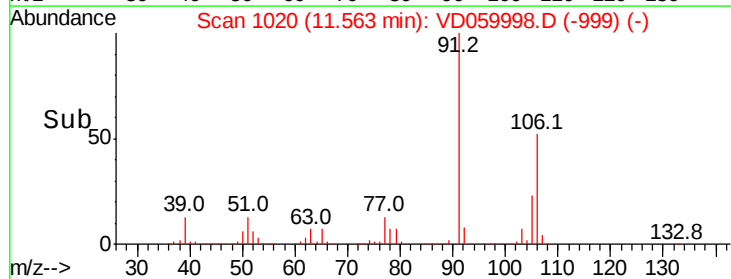
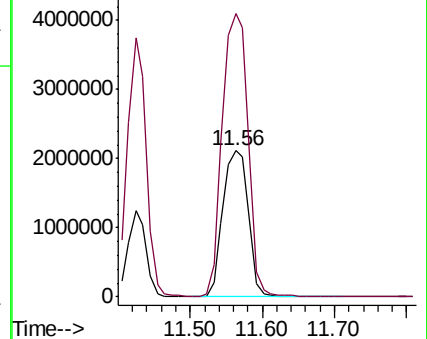
106 100

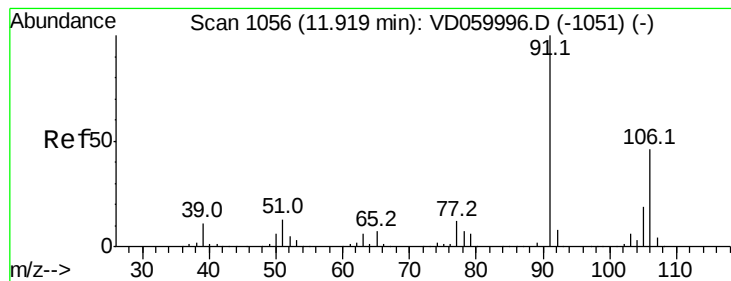
91 194.0 157.0 235.6



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC





#69

o-Xylene

Concen: 122.230 ug/l

RT: 11.93 min Scan# 1057

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

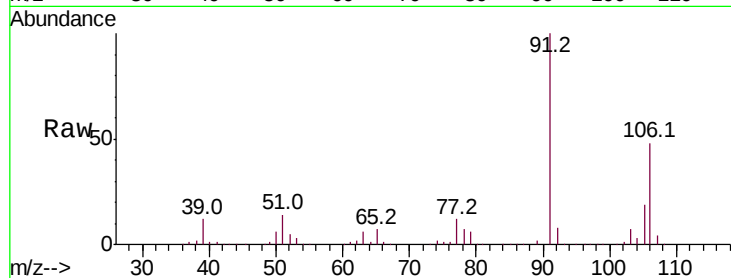
ClientSampled :

Tot Ion:106 Resp: 2696269

Ion Ratio Lower Upper

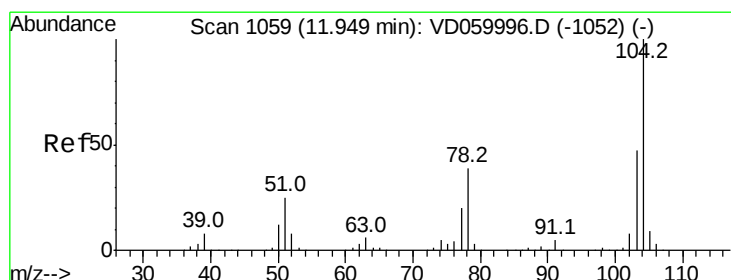
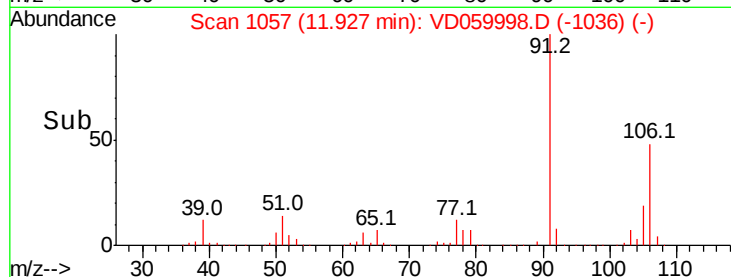
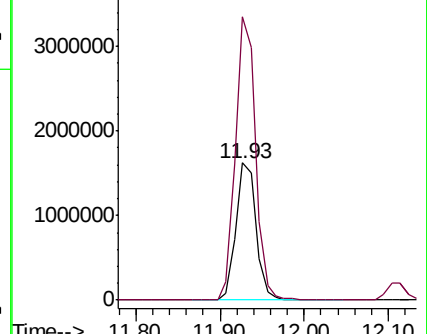
106 100

91 206.7 107.7 323.1



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 119.165 ug/l

RT: 11.96 min Scan# 1060

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

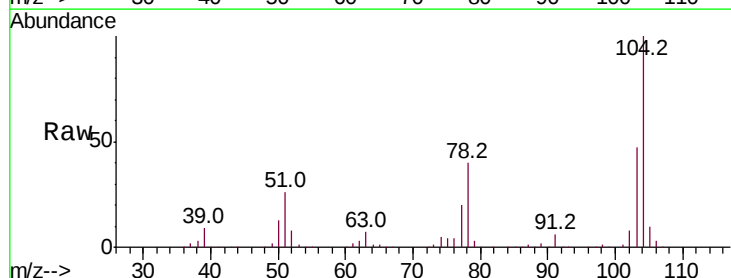
Tgt Ion:104 Resp: 4520093

Ion Ratio Lower Upper

104 100

78 40.1 31.0 46.4

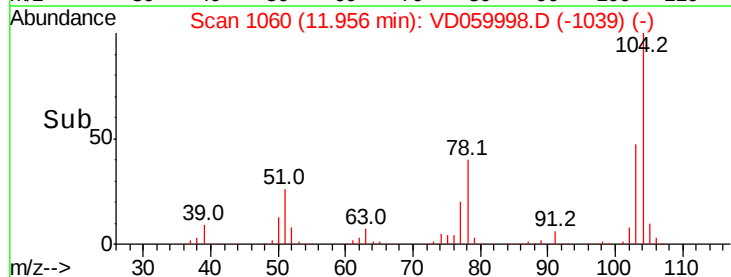
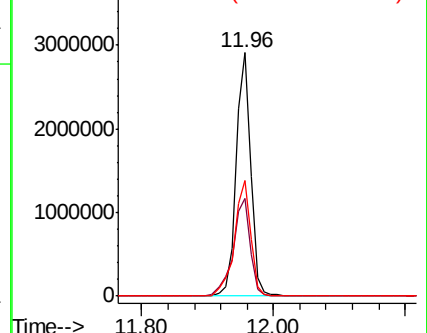
103 47.3 37.6 56.4

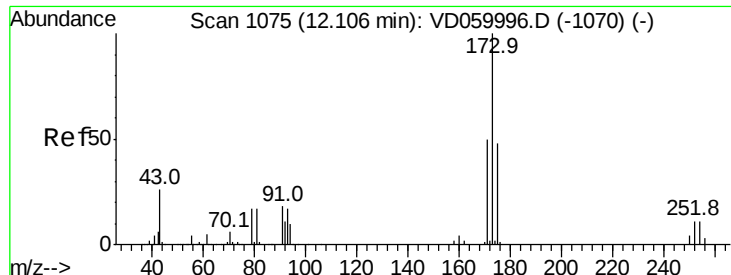


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 143.111 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampled :

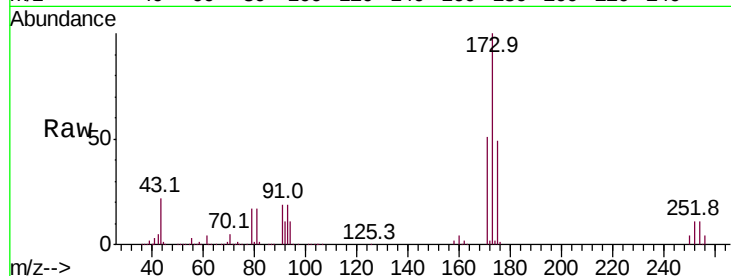
Tot Ion:173 Resp: 1640403

Ion Ratio Lower Upper

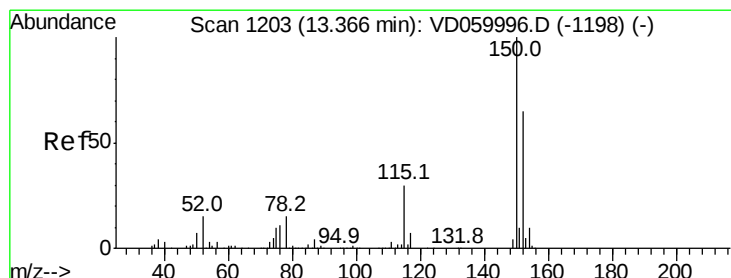
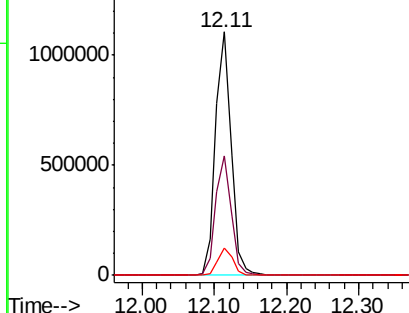
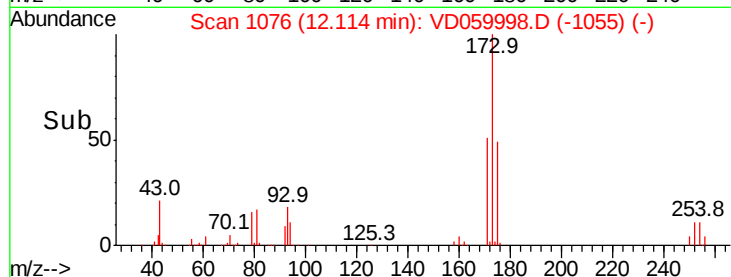
173 100

175 49.1 24.0 72.0

254 11.1 8.6 13.0



Abundance Ion 172.80 (172.50 to 173.50): V
1500000
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

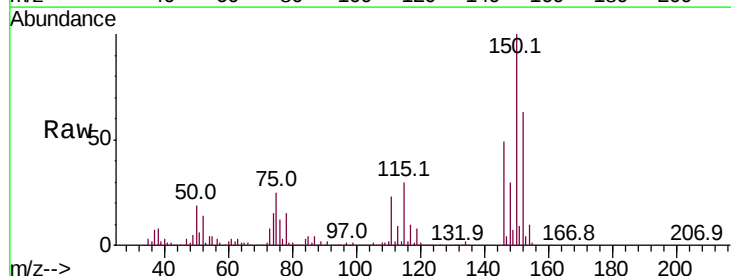
Tgt Ion:152 Resp: 915420

Ion Ratio Lower Upper

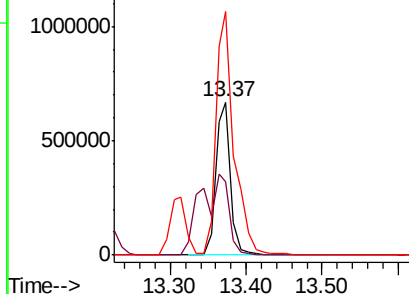
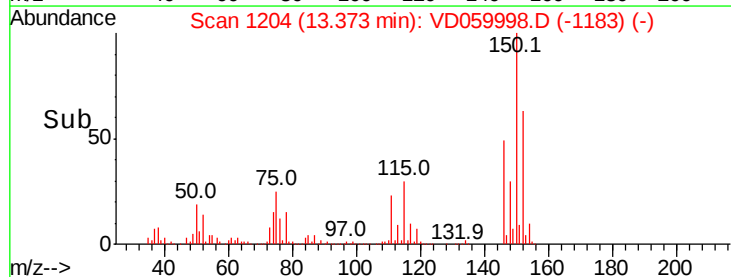
152 100

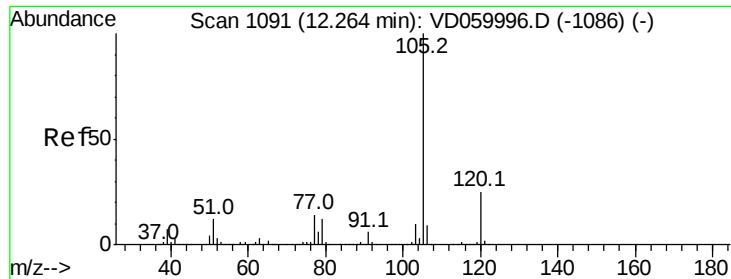
115 48.0 24.6 73.8

150 159.2 0.0 313.4



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: 122.583 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

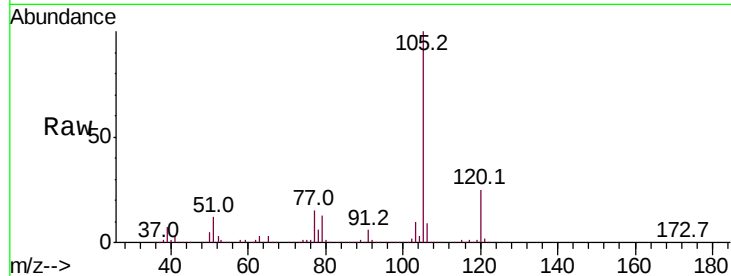
ClientSampled :

Tot Ion:105 Resp: 7299039

Ion Ratio Lower Upper

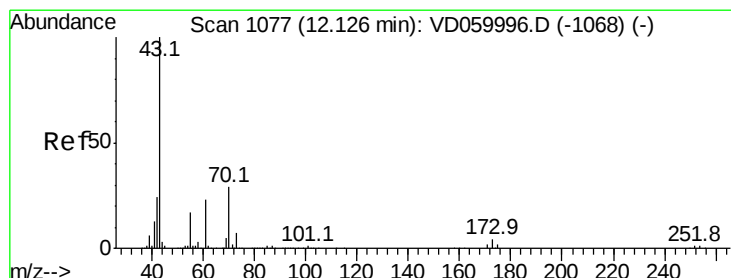
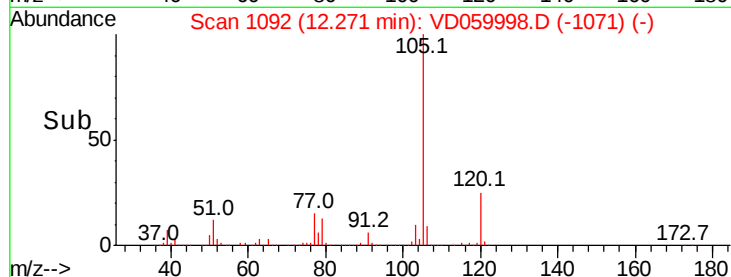
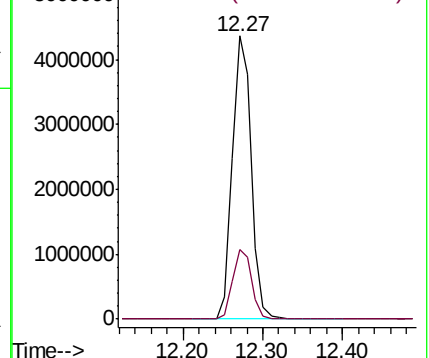
105 100

120 24.6 12.3 36.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 123.212 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Tgt Ion: 43 Resp: 3133439

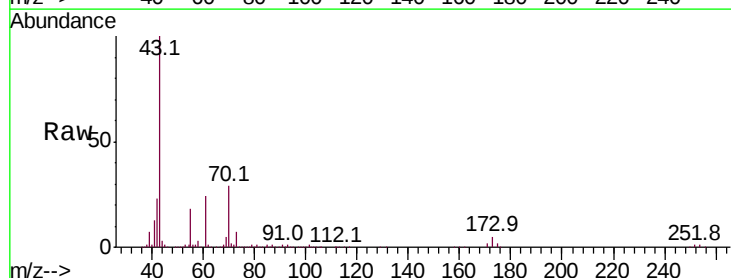
Ion Ratio Lower Upper

43 100

70 29.1 22.9 34.3

55 18.2 14.0 21.0

61 24.3 18.7 28.1

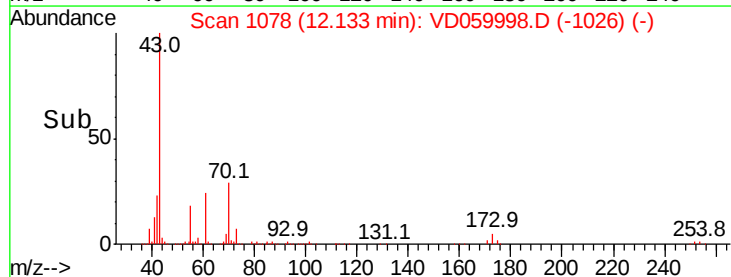
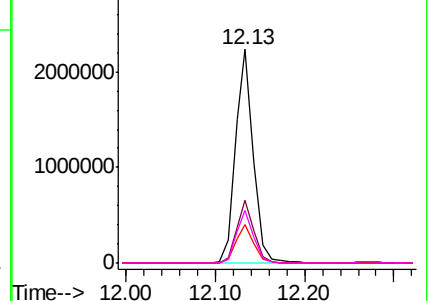


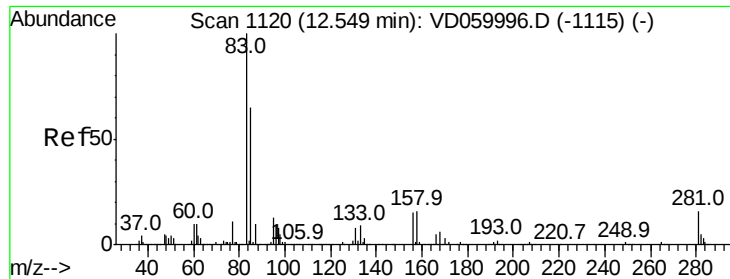
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 133.561 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

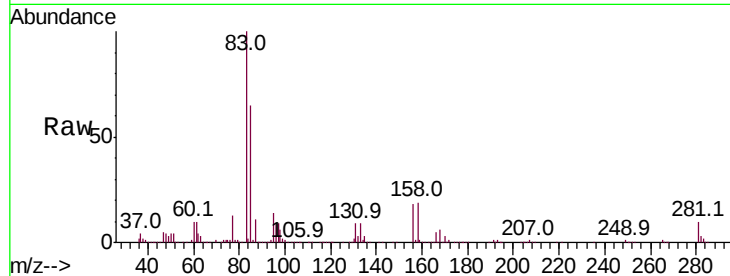
Tot Ion: 83 Resp: 1827880

Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.1	12.3
85	64.8	32.4	97.2

83 100

131 8.5 4.1 12.3

85 64.8 32.4 97.2



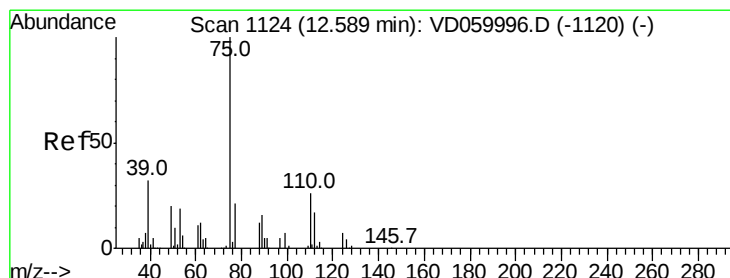
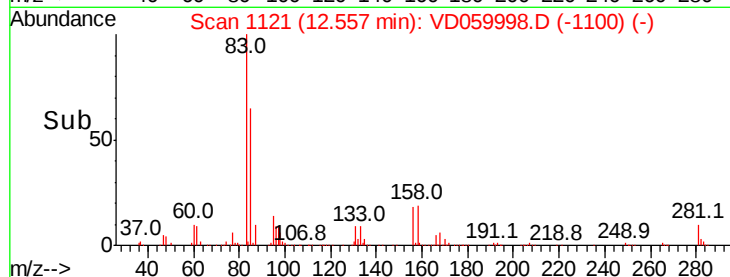
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

12.56

Time-->



#76

1,2,3-Trichloropropane

Concen: 133.288 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD059998.D

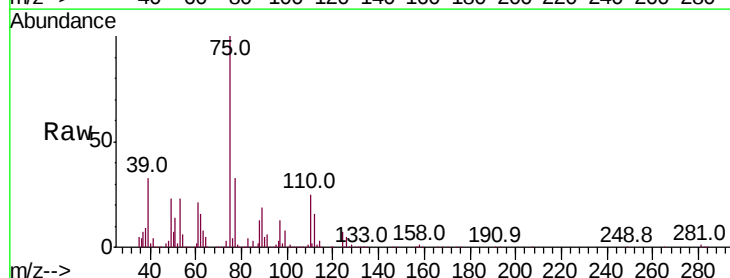
Acq: 13 Sep 2018 15:31

Tgt Ion: 75 Resp: 1900150

Ion	Ratio	Lower	Upper
75	100		
77	33.1	16.4	49.4

75 100

77 33.1 16.4 49.4

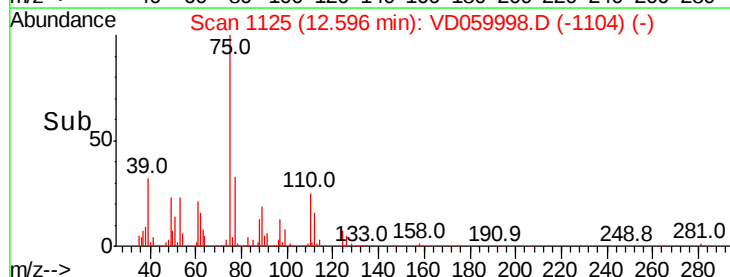


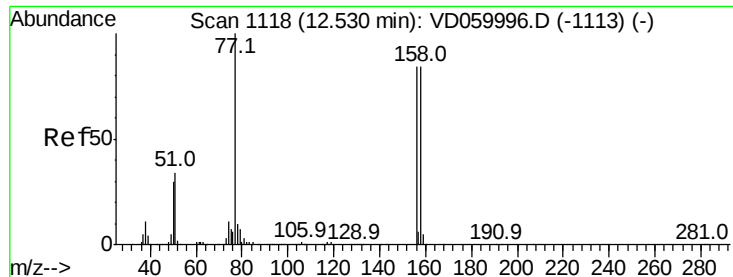
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.60

Time-->





#77

Bromobenzene

Concen: 136.376 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

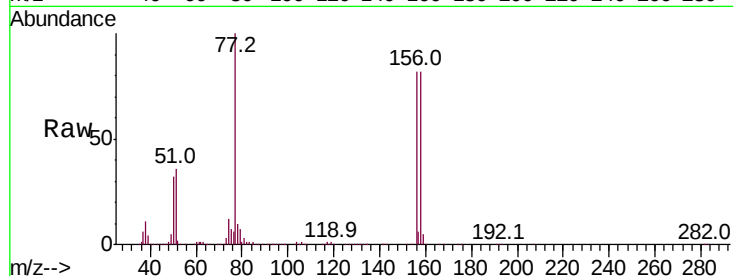
ClientSampleId :

Tot Ion:156 Resp: 2249312

Ion	Ratio	Lower	Upper
156	100		
77	121.5	59.5	178.4
158	99.2	50.0	149.8

77 121.5 59.5 178.4

158 99.2 50.0 149.8

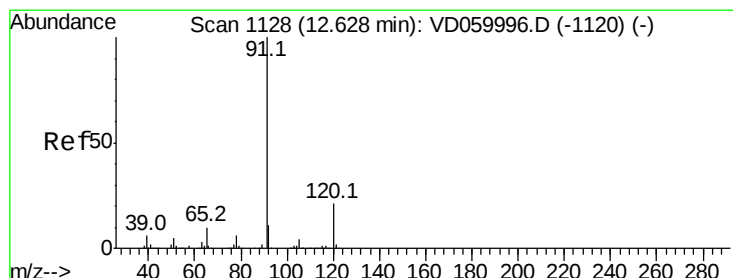
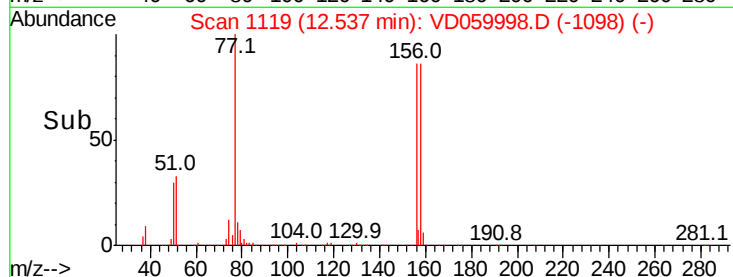
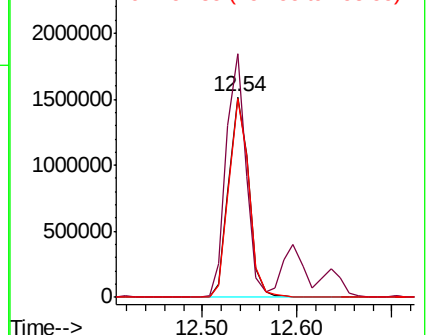


Abundance Ion 155.90 (155.60 to 156.60): V

2500000

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 118.711 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD059998.D

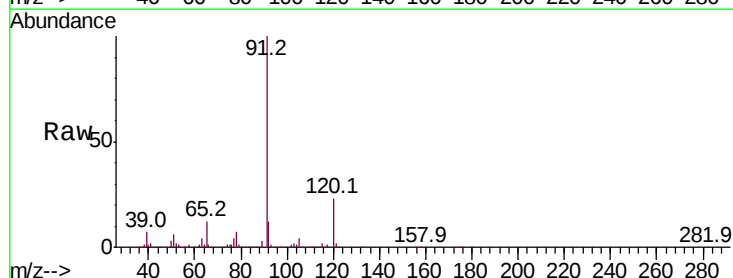
Acq: 13 Sep 2018 15:31

Tgt Ion: 91 Resp: 8910610

Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.7	31.9

91 100

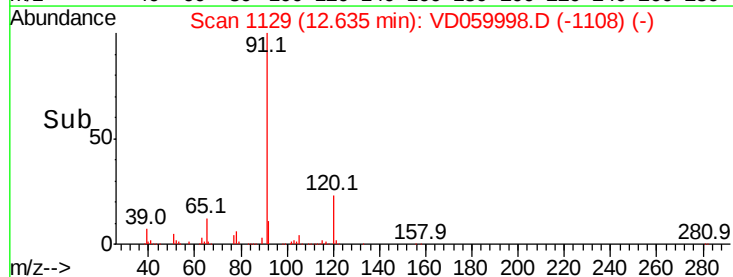
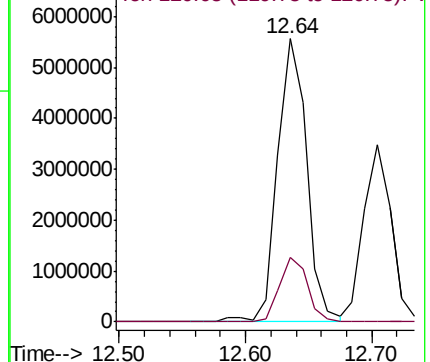
120 22.7 10.7 31.9

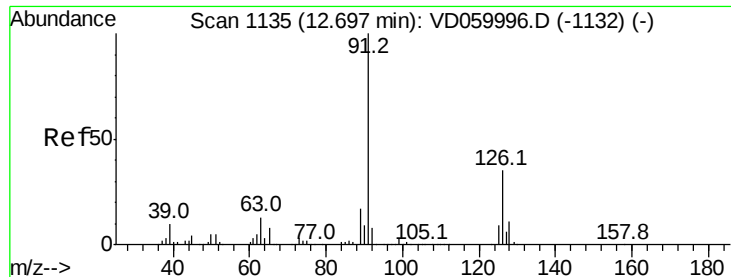


Abundance Ion 91.00 (90.70 to 91.70): V

6000000

Ion 120.05 (119.75 to 120.75): V

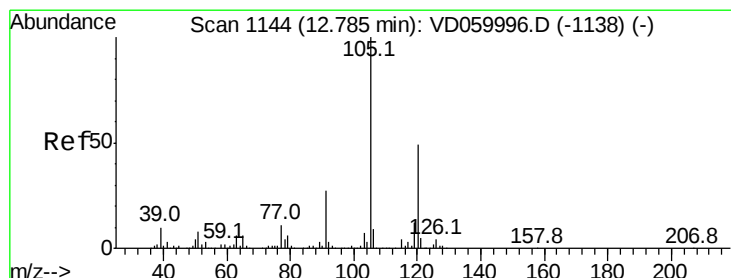
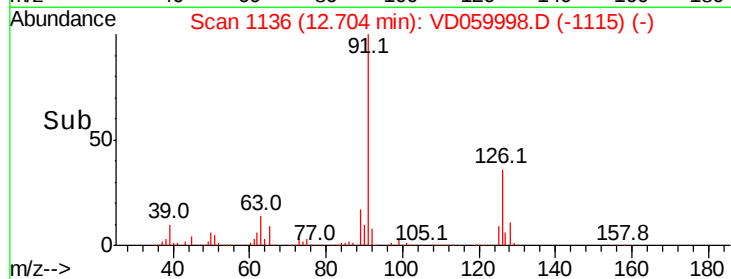
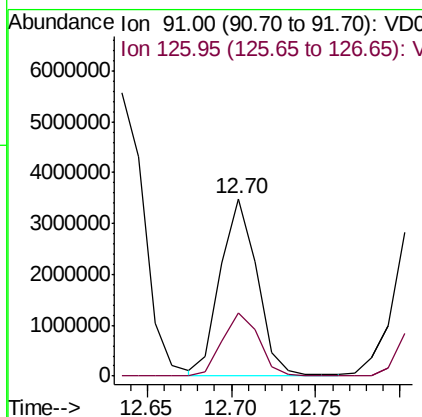
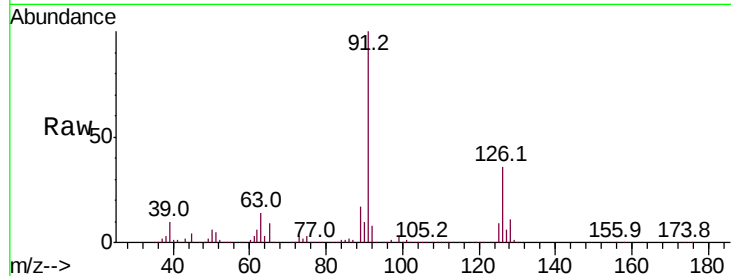




#79
2-Chlorotoluene
Concen: 124.648 ug/l
RT: 12.70 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

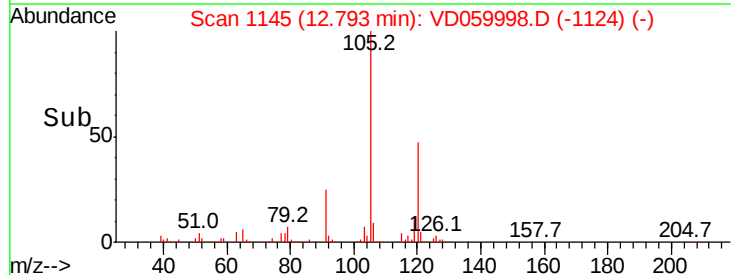
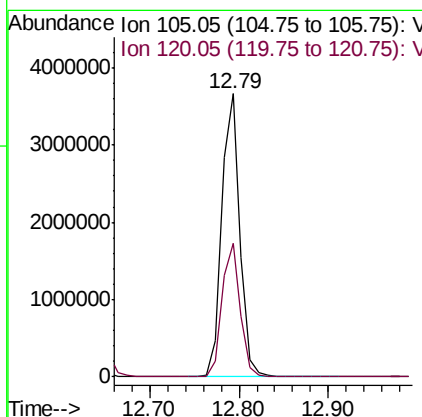
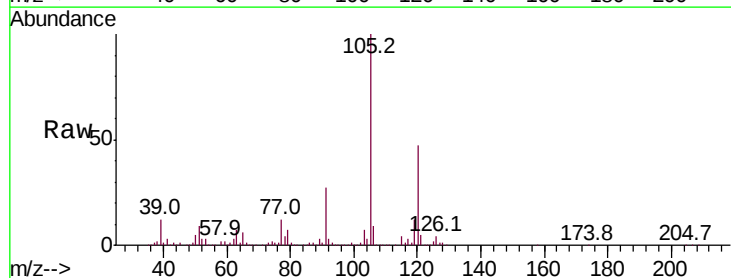
Instrument :
MSVOA_D
ClientSampled :

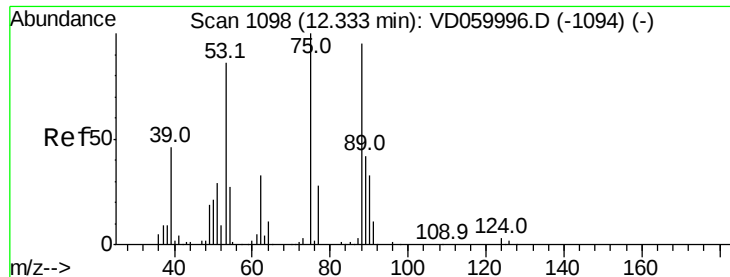
Tot Ion: 91 Resp: 5284120
Ion Ratio Lower Upper
91 100
126 35.7 17.3 52.0



#80
1,3,5-Trimethylbenzene
Concen: 110.583 ug/l
RT: 12.79 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion:105 Resp: 5210862
Ion Ratio Lower Upper
105 100
120 47.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 141.909 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

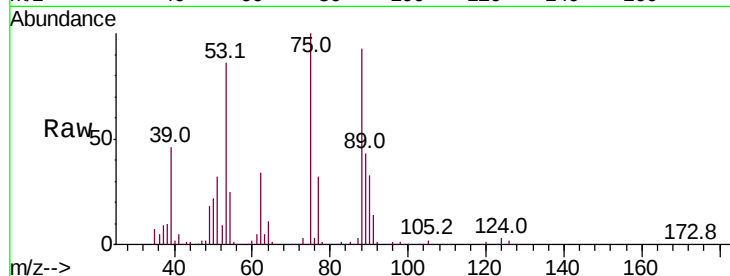
Tot Ion: 75 Resp: 624575

Ion Ratio Lower Upper

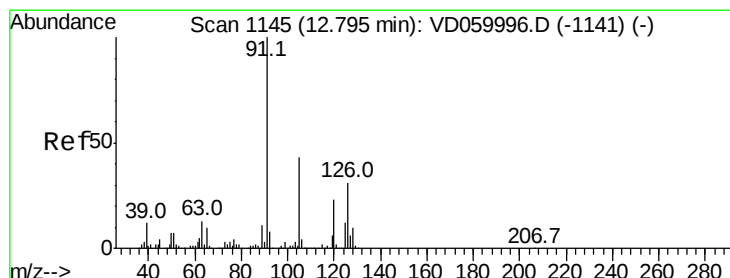
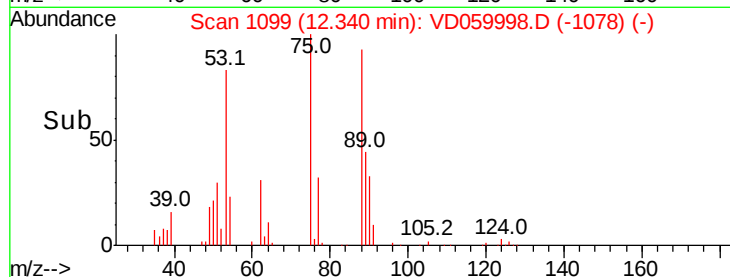
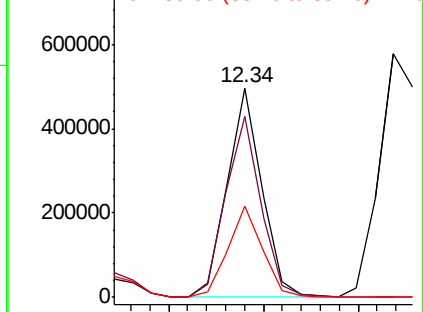
75 100

53 86.4 68.4 102.6

89 43.4 33.8 50.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 106.560 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.02 min

Lab File: VD059998.D

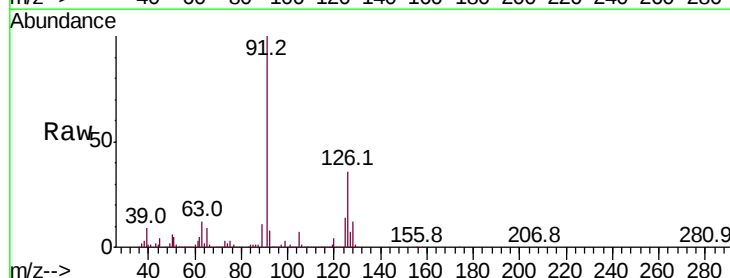
Acq: 13 Sep 2018 15:31

Tgt Ion: 91 Resp: 5121531

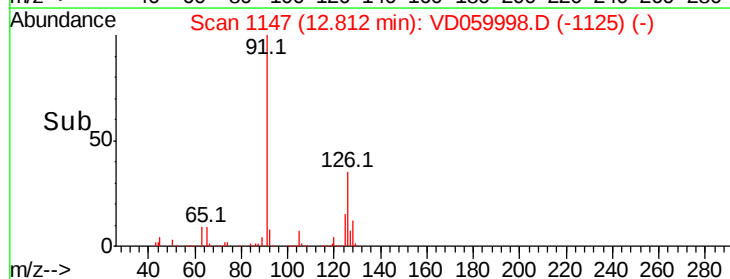
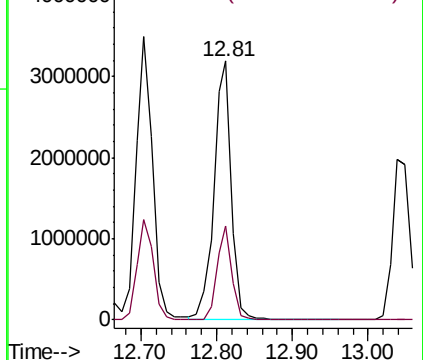
Ion Ratio Lower Upper

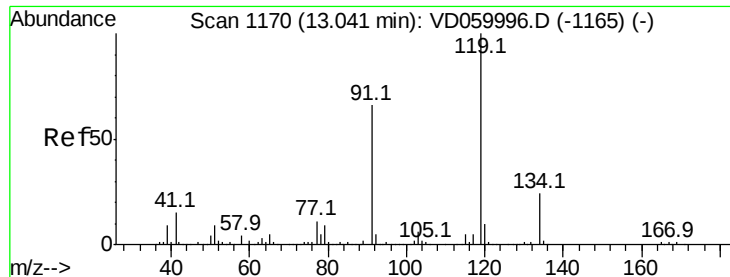
91 100

126 36.2 15.4 46.1



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

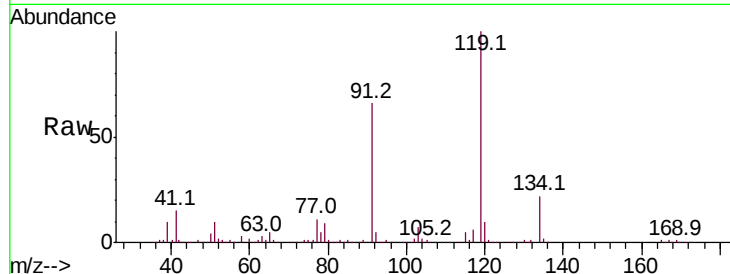




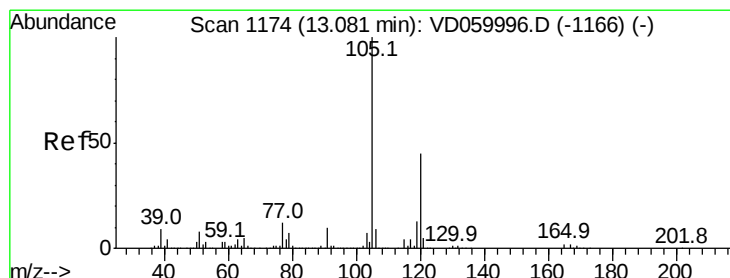
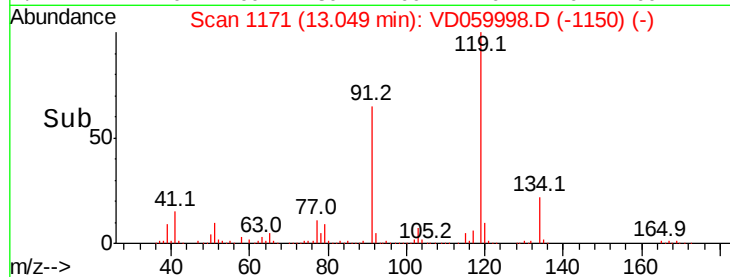
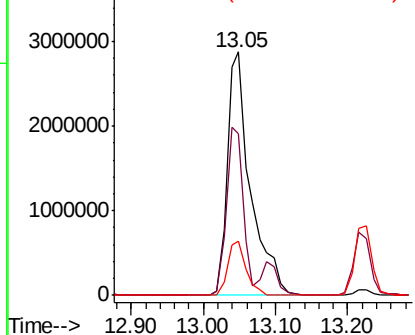
#83
 tert-Butylbenzene
 Concen: 119.640 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 6403328
 Ion Ratio Lower Upper
 119 100
 91 66.5 32.9 98.6
 134 22.3 12.0 36.0

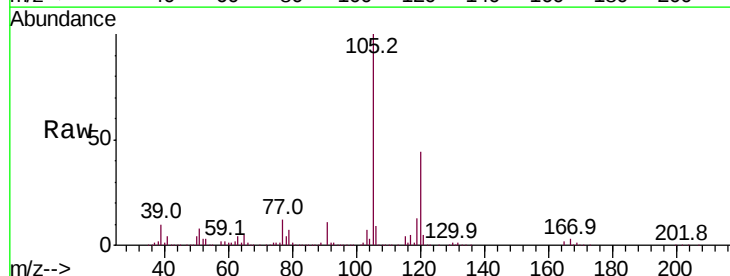


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

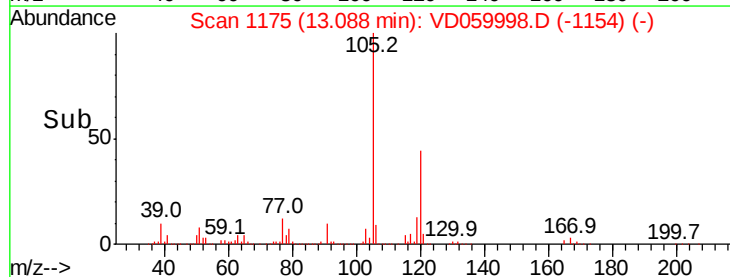
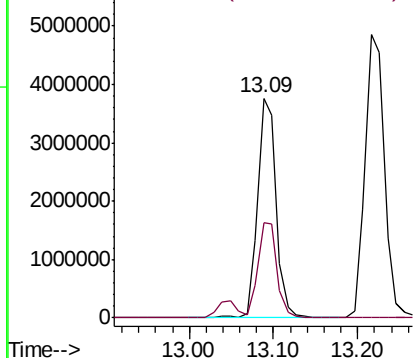


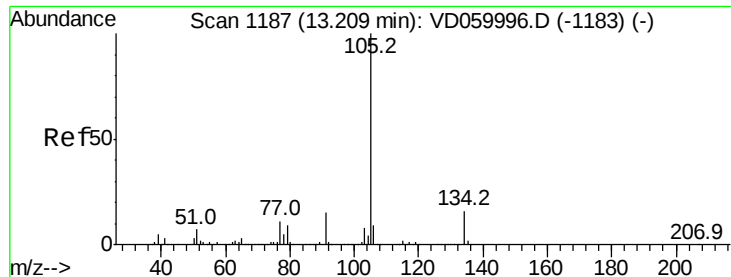
#84
 1,2,4-Trimethylbenzene
 Concen: 119.955 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion:105 Resp: 5869978
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.4 67.0



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

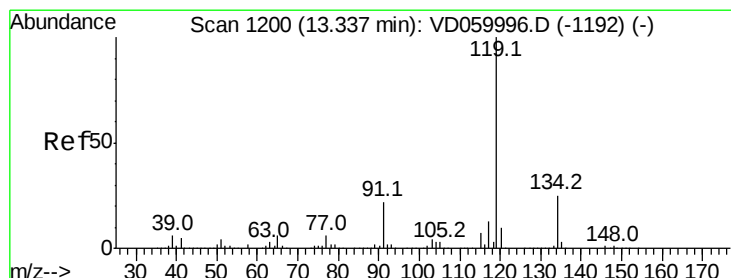
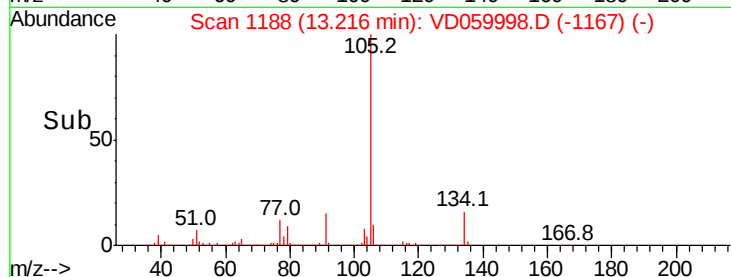
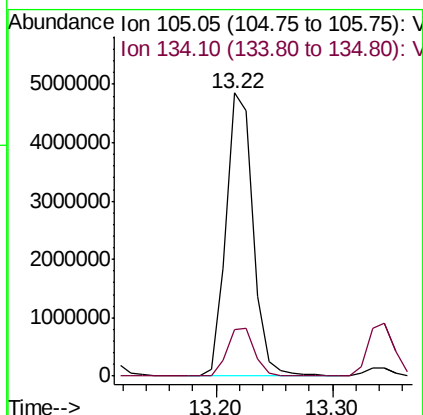
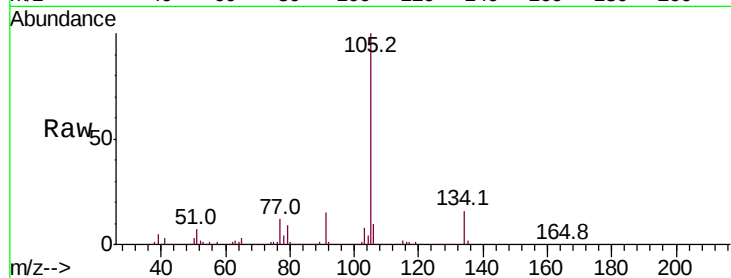




#85
 sec-Butylbenzene
 Concen: 123.659 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

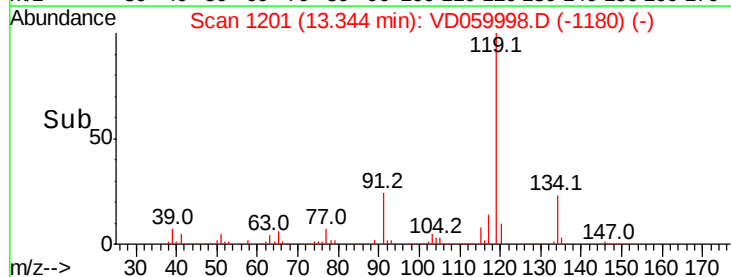
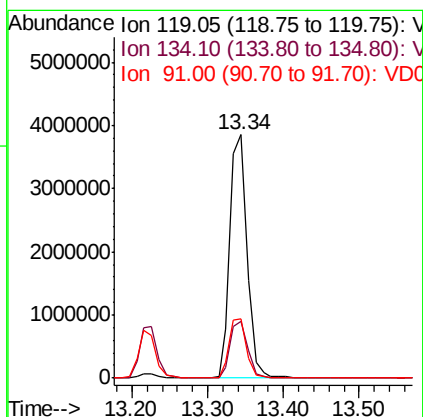
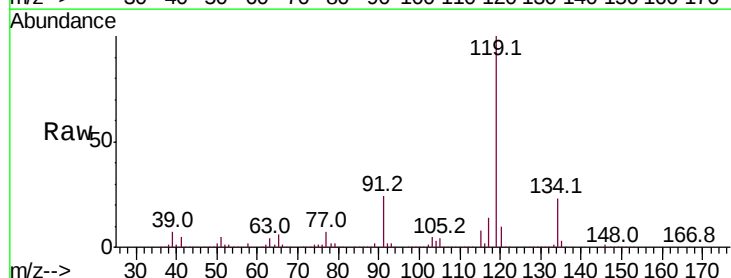
Instrument :
 MSVOA_D
 ClientSampleId :

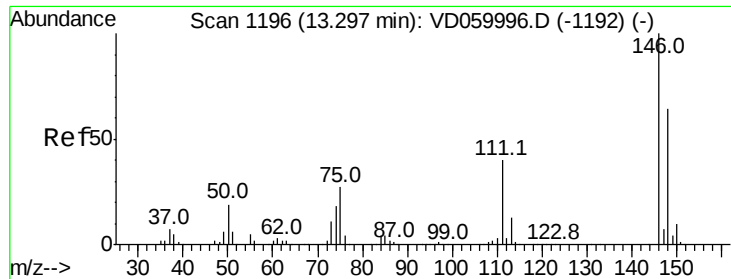
Tot Ion:105 Resp: 7765328
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 116.663 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion:119 Resp: 6014657
 Ion Ratio Lower Upper
 119 100
 134 23.5 12.8 38.3
 91 24.2 11.1 33.3

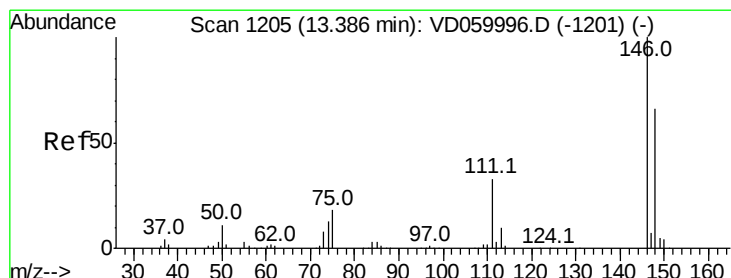
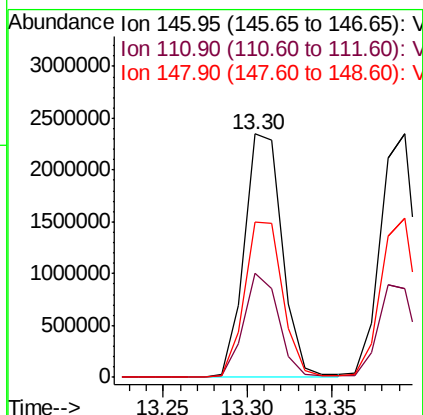
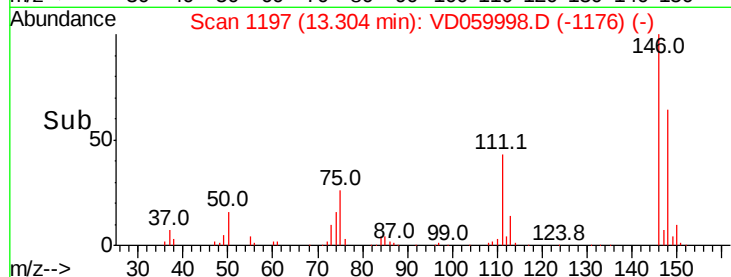
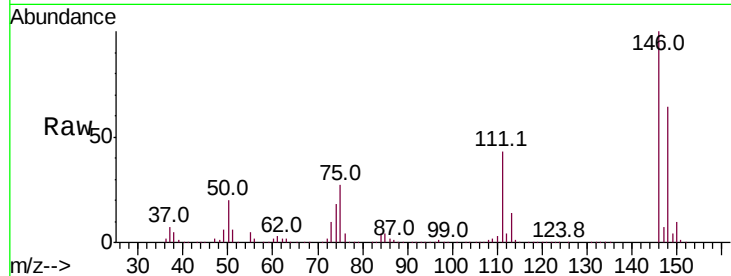




#87
 1,3-Dichlorobenzene
 Concen: 124.628 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

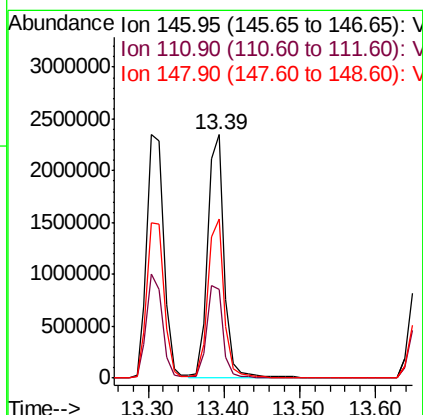
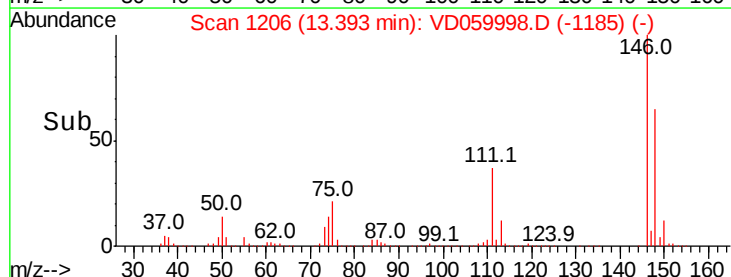
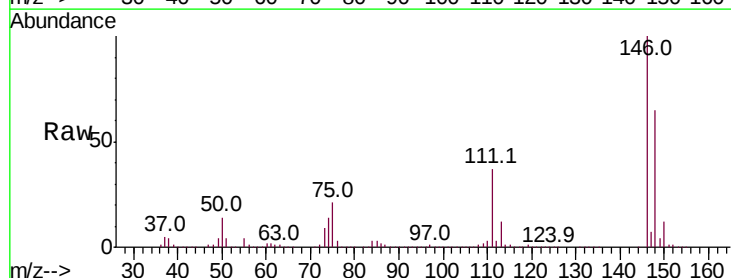
Instrument :
 MSVOA_D
 ClientSampleId :

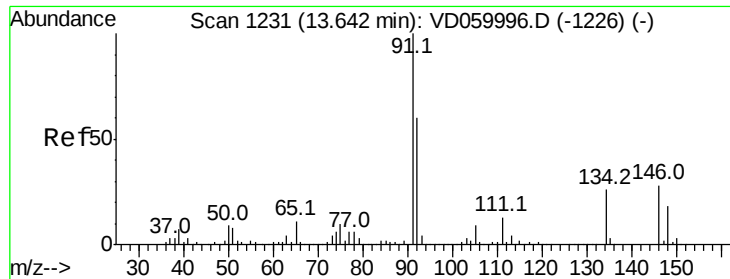
Tot Ion:146 Resp: 3667156
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.2 60.5
 148 64.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 121.540 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion:146 Resp: 3581134
 Ion Ratio Lower Upper
 146 100
 111 36.5 16.7 50.0
 148 65.4 32.9 98.6

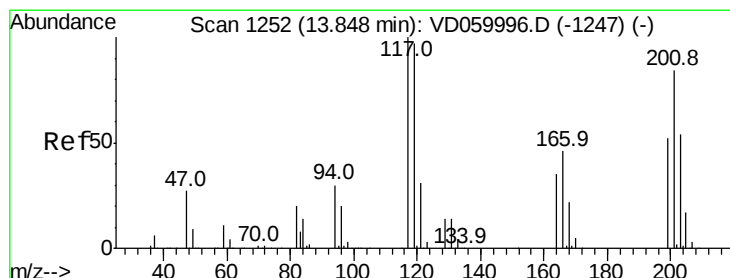
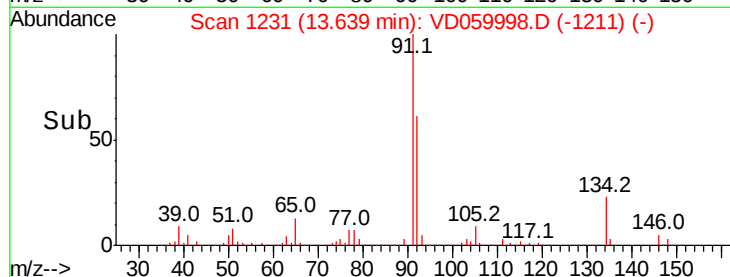
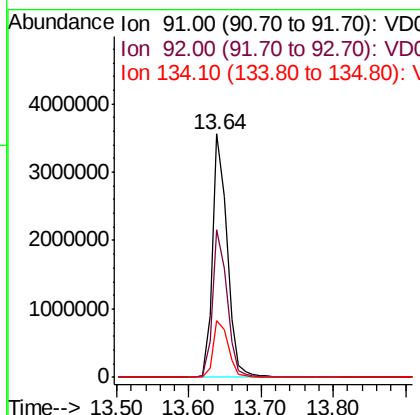
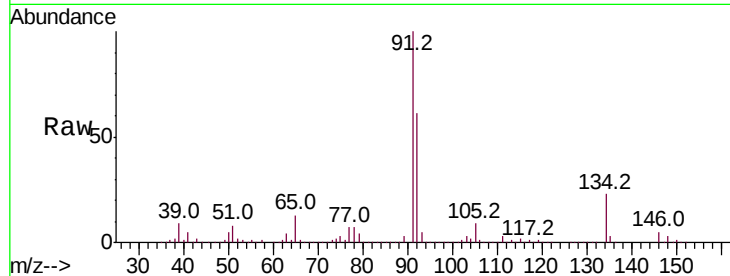




#89
n-Butylbenzene
Concen: 95.946 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

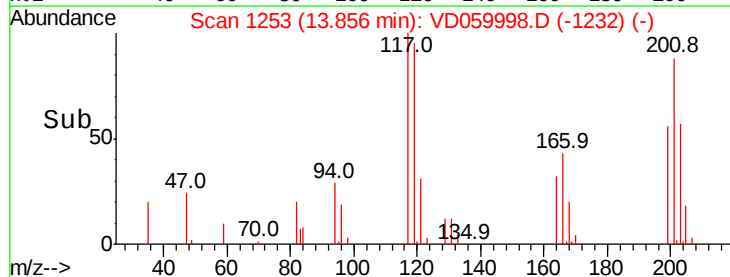
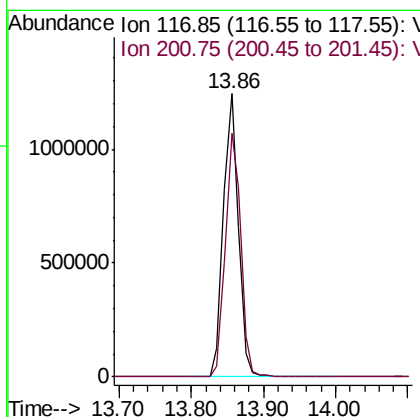
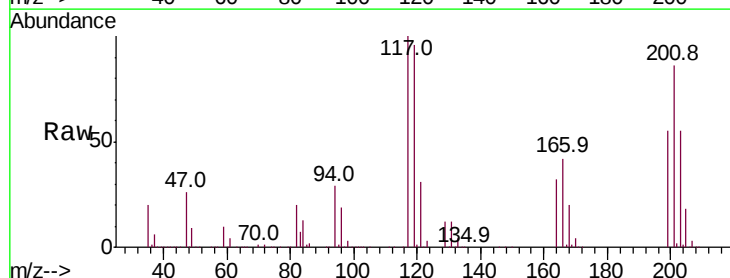
Instrument :
MSVOA_D
ClientSampled :

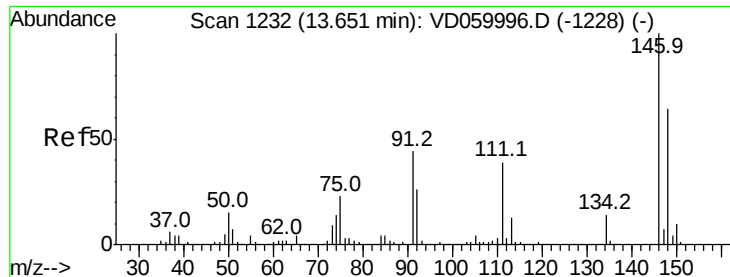
Tot Ion: 91 Resp: 4941411
Ion Ratio Lower Upper
91 100
92 60.6 29.8 89.3
134 23.1 13.2 39.6



#90
Hexachloroethane
Concen: 129.744 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD059998.D
Acq: 13 Sep 2018 15:31

Tgt Ion: 117 Resp: 1771700
Ion Ratio Lower Upper
117 100
201 86.2 42.1 126.4

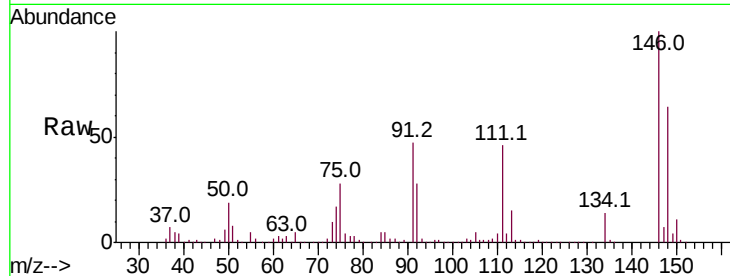




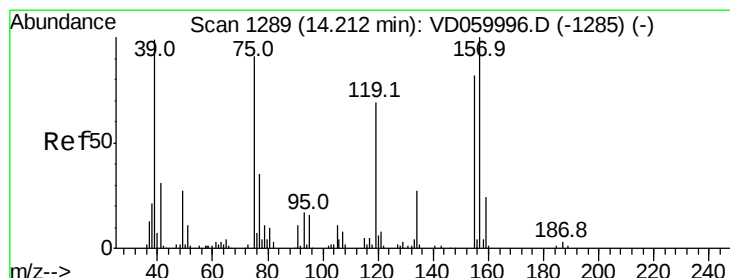
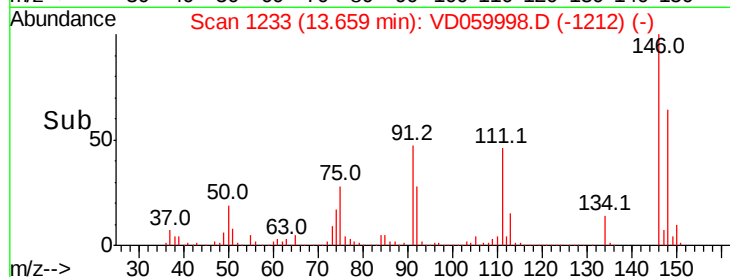
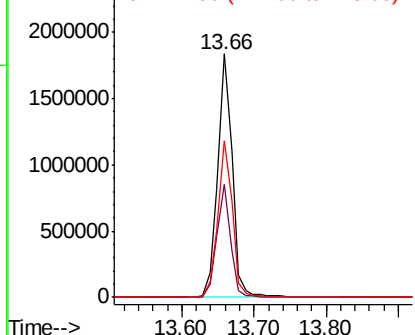
#91
 1,2-Dichlorobenzene
 Concen: 100.412 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 2490182
 Ion Ratio Lower Upper
 146 100
 111 46.3 19.6 58.7
 148 64.3 31.9 95.7

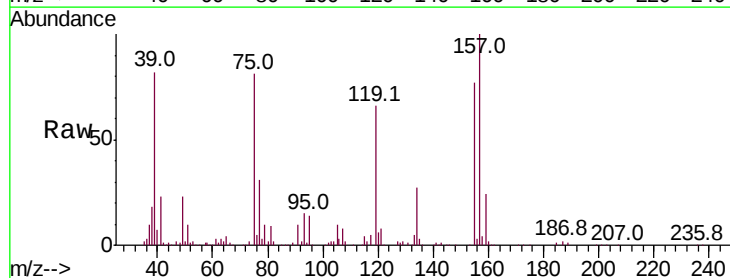


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

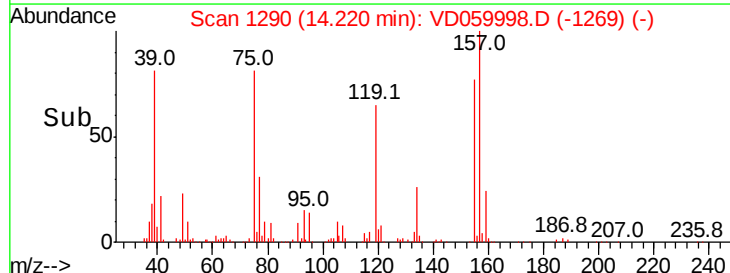
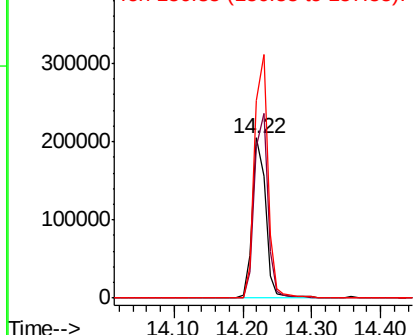


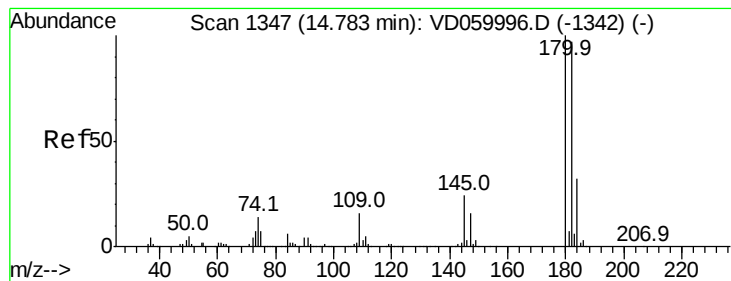
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 134.778 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD059998.D
 Acq: 13 Sep 2018 15:31

Tgt Ion: 75 Resp: 275833
 Ion Ratio Lower Upper
 75 100
 155 94.4 44.7 134.1
 157 123.0 54.7 164.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V





#93

1,2,4-Trichlorobenzene

Concen: 124.375 ug/l

RT: 14.78 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

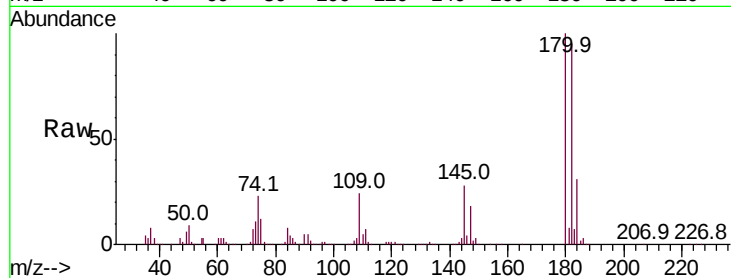
Tot Ion:180 Resp: 2652816

Ion Ratio Lower Upper

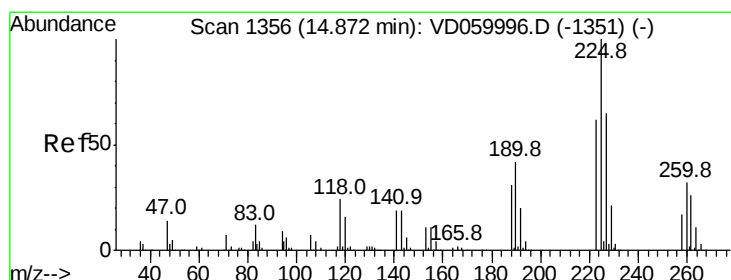
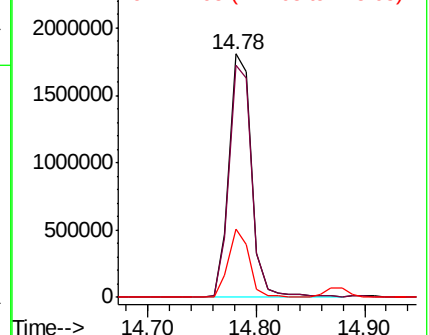
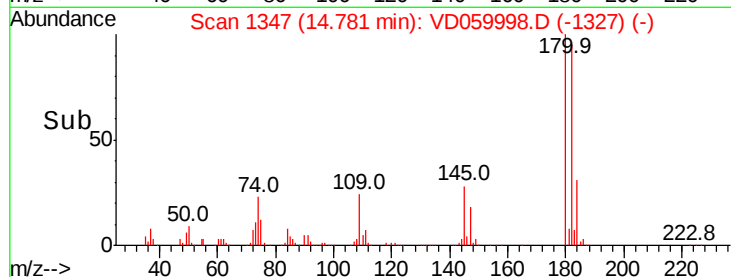
180 100

182 95.1 48.5 145.6

145 27.9 11.9 35.7



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: 129.216 ug/l

RT: 14.88 min Scan# 1357

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

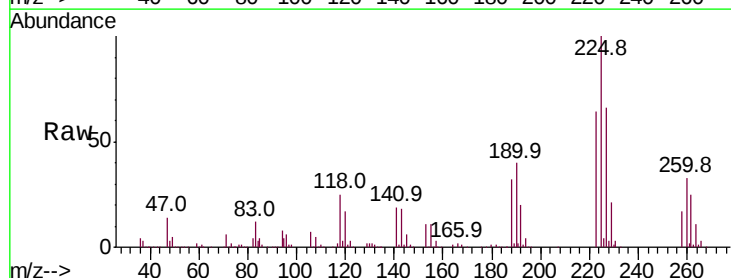
Tgt Ion:225 Resp: 1812379

Ion Ratio Lower Upper

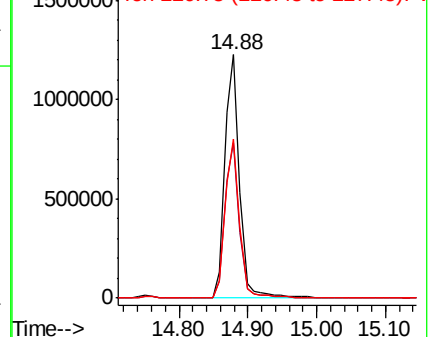
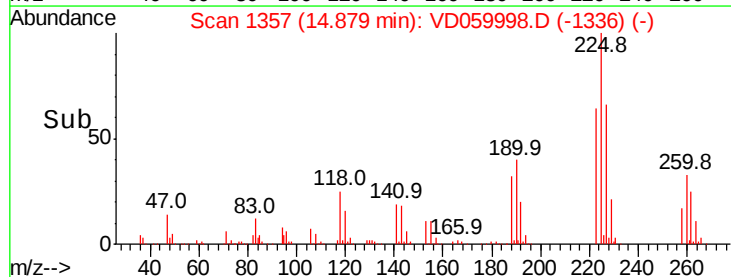
225 100

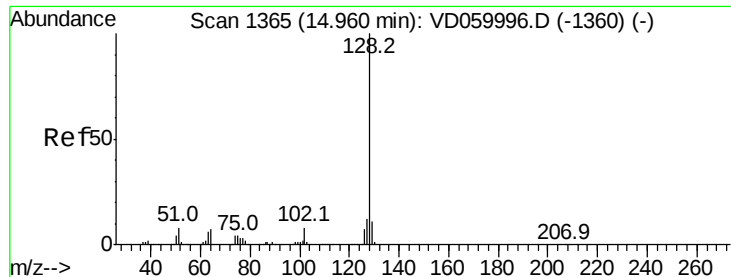
223 63.7 31.2 93.6

227 65.6 32.3 96.8



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: 138.175 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

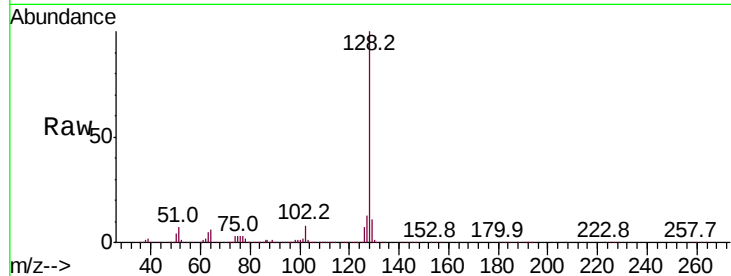
Tot Ion:128 Resp: 4483770

Ion Ratio Lower Upper

128 100

127 12.9 9.7 14.5

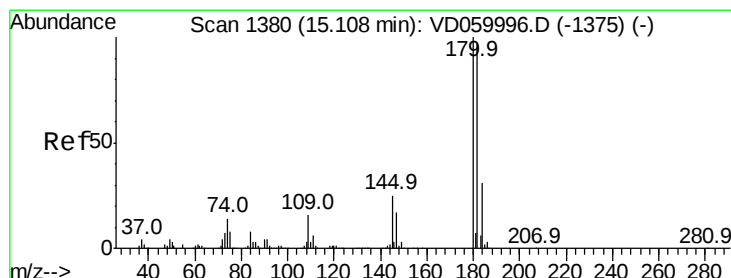
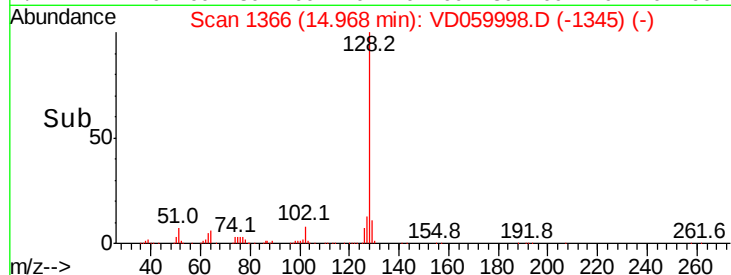
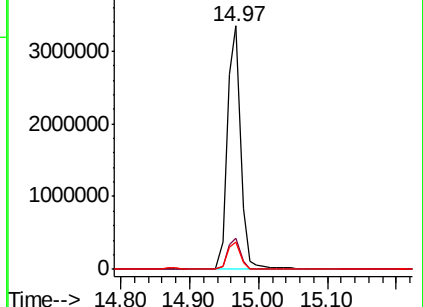
129 11.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 130.605 ug/l

RT: 15.12 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD059998.D

Acq: 13 Sep 2018 15:31

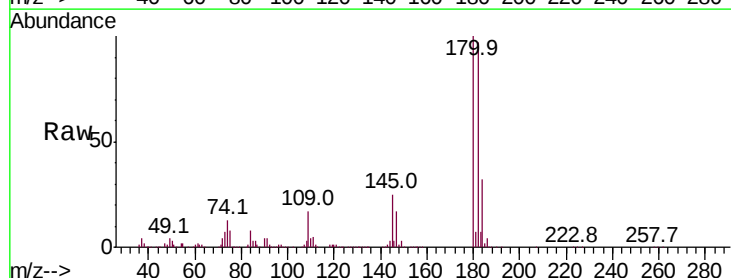
Tgt Ion:180 Resp: 2388750

Ion Ratio Lower Upper

180 100

182 96.8 48.6 145.9

145 24.8 12.7 38.1



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

