

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058295.D
 Acq On : 22 Jun 2018 14:17
 Operator : VA/AP
 Sample : VD0622SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Quant Time: Jun 22 14:58:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	898404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1158874	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	921300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	478392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	512053	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	
35) Dibromofluoromethane	5.55	113	535662	56.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.58%	
50) Toluene-d8	8.70	98	1239344	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
62) 4-Bromofluorobenzene	11.93	95	490042	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	239822	26.60	ug/l	100
3) Chloromethane	1.48	50	103750	24.22	ug/l	95
4) Vinyl Chloride	1.55	62	102303	21.74	ug/l #	88
5) Bromomethane	1.79	94	38308	21.74	ug/l	93
6) Chloroethane	1.88	64	37132	20.22	ug/l	99
7) Trichlorofluoromethane	2.08	101	160311	24.84	ug/l	93
8) Diethyl Ether	2.34	74	31891	23.37	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.56	101	96522	23.53	ug/l	95
10) Methyl Iodide	2.69	142	108485	23.25	ug/l	96
11) Tert butyl alcohol	3.27	59	27036	90.33	ug/l #	87
12) 1,1-Dichloroethene	2.54	96	74037	23.99	ug/l	99
13) Acrolein	2.47	56	16785	98.24	ug/l	95
14) Allyl chloride	2.92	41	159101	22.15	ug/l	97
15) Acrylonitrile	3.35	53	75134	94.68	ug/l	95
16) Acetone	2.62	43	134779	108.60	ug/l	96
17) Carbon Disulfide	2.75	76	223463	21.28	ug/l	99
18) Methyl Acetate	2.94	43	53433	20.19	ug/l	99
19) Methyl tert-butyl Ether	3.41	73	244398	29.85	ug/l	99
20) Methylene Chloride	3.07	84	84017	23.40	ug/l	90
21) trans-1,2-Dichloroethene	3.38	96	96065	28.48	ug/l	97
22) Diisopropyl ether	4.07	45	613384	21.50	ug/l	98
23) Vinyl Acetate	4.01	43	1614481	105.56	ug/l	99
24) 1,1-Dichloroethane	3.96	63	368533	23.98	ug/l	99
25) 2-Butanone	4.84	43	282566	104.47	ug/l	96
26) 2,2-Dichloropropane	4.79	77	310780	24.15	ug/l	99
27) cis-1,2-Dichloroethene	4.80	96	201565	23.91	ug/l	100
28) Bromochloromethane	5.15	49	149157	21.65	ug/l	92
29) Tetrahydrofuran	5.18	42	143890	99.94	ug/l	97
30) Chloroform	5.32	83	384489	23.69	ug/l	91
31) Cyclohexane	5.59	56	296202	23.80	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	313764	23.40	ug/l	99
36) 1,1-Dichloropropene	5.75	75	277821	24.23	ug/l	99
37) Ethyl Acetate	4.93	43	132675	20.31	ug/l	98
38) Carbon Tetrachloride	5.72	117	265214	23.28	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	280583	25.13	ug/l	95
40) Benzene	6.01	78	639840	23.43	ug/l	97
41) Methacrylonitrile	5.13	41	62407	19.79	ug/l	92
42) 1,2-Dichloroethane	6.12	62	250592	22.76	ug/l	100
43) Isopropyl Acetate	7.62	43	167866	19.28	ug/l #	92
44) Trichloroethene	6.98	130	189770	23.14	ug/l	99
45) 1,2-Dichloropropane	7.35	63	172268	23.42	ug/l	95
46) Dibromomethane	7.46	93	110532	22.02	ug/l	96
47) Bromodichloromethane	7.73	83	258166	22.55	ug/l	97
48) Methyl methacrylate	7.50	41	98958	18.70	ug/l	97
49) 1,4-Dioxane	7.50	88	19620	410.67	ug/l	90
51) 4-Methyl-2-Pentanone	8.59	43	580815	102.25	ug/l	99
52) Toluene	8.80	92	354465	22.80	ug/l	98
53) t-1,3-Dichloropropene	9.18	75	218428	21.94	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	272024	23.31	ug/l	97
55) 1,1,2-Trichloroethane	9.45	97	126920	23.07	ug/l	93
56) Ethyl methacrylate	9.31	69	141776	21.55	ug/l	91
57) 1,3-Dichloropropane	9.66	76	214163	23.11	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.19	63	359192	110.27	ug/l	100
59) 2-Hexanone	9.78	43	445658	108.58	ug/l	99
60) Dibromochloromethane	9.96	129	160671	21.52	ug/l	95
61) 1,2-Dibromoethane	10.09	107	134182	22.28	ug/l	98
64) Tetrachloroethene	9.51	164	181933	23.47	ug/l	97
65) Chlorobenzene	10.72	112	413550	24.00	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	152643	22.95	ug/l	97
67) Ethyl Benzene	10.86	91	700791	23.03	ug/l	99
68) m/p-Xylenes	11.01	106	498973	49.18	ug/l	98
69) o-Xylene	11.41	106	239477	24.71	ug/l	99
70) Styrene	11.43	104	391589	23.68	ug/l	97
71) Bromoform	11.59	173	111195	20.96	ug/l #	97
73) Isopropylbenzene	11.77	105	656496	22.94	ug/l	98
74) N-amyl acetate	11.64	43	225726	20.40	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.08	83	140918	21.16	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	155310	22.24	ug/l	99
77) Bromobenzene	12.04	156	195770	22.85	ug/l	87
78) n-propylbenzene	12.15	91	890218	24.09	ug/l	97
79) 2-Chlorotoluene	12.21	91	495388	23.43	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	515705	23.11	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	32148	18.87	ug/l	97
82) 4-Chlorotoluene	12.32	91	559497	24.36	ug/l	93
83) tert-Butylbenzene	12.57	119	598394	23.32	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	556881	22.95	ug/l	100
85) sec-Butylbenzene	12.75	105	709710	23.60	ug/l	96
86) p-Isopropyltoluene	12.88	119	570384	23.40	ug/l	96
87) 1,3-Dichlorobenzene	12.83	146	352609	23.68	ug/l	95
88) 1,4-Dichlorobenzene	12.92	146	333813	22.95	ug/l	96
89) n-Butylbenzene	13.19	91	637837	24.90	ug/l	95
90) Hexachloroethane	13.39	117	147872	23.37	ug/l	68
91) 1,2-Dichlorobenzene	13.19	146	305719	24.12	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	21000	19.82	ug/l	67

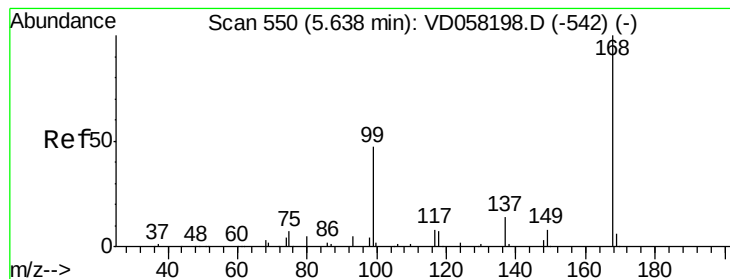
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
Data File : VD058295.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	260839	21.52	ug/l	97
94) Hexachlorobutadiene	14.43	225	208008	21.94	ug/l	97
95) Naphthalene	14.52	128	340355	21.32	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	221143	20.84	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

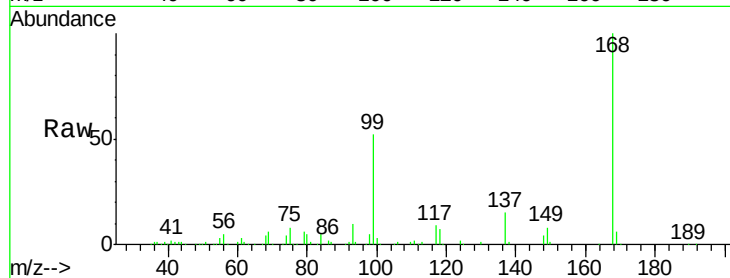
VD0622SBSD01

Tot Ion:168 Resp: 898404

Ion Ratio Lower Upper

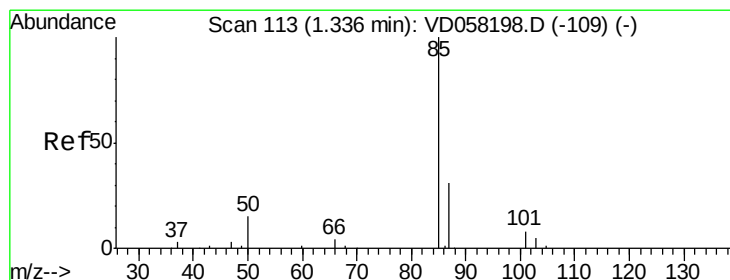
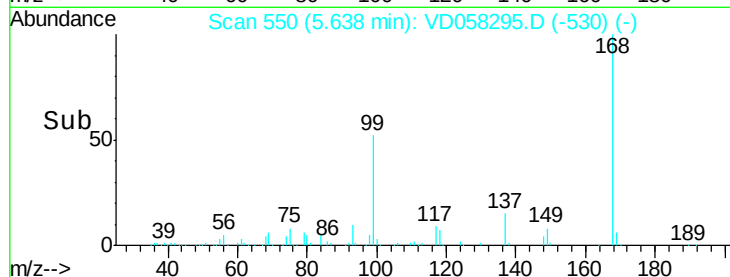
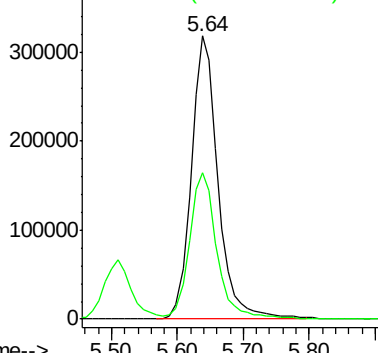
168 100

99 51.8 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 26.60 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058295.D

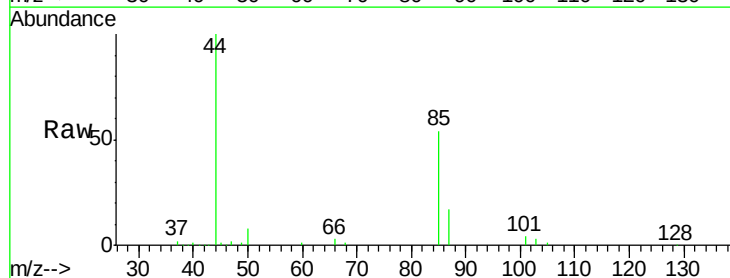
Acq: 22 Jun 2018 14:17

Tgt Ion: 85 Resp: 239822

Ion Ratio Lower Upper

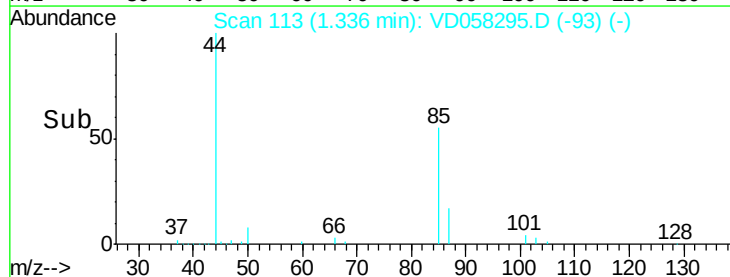
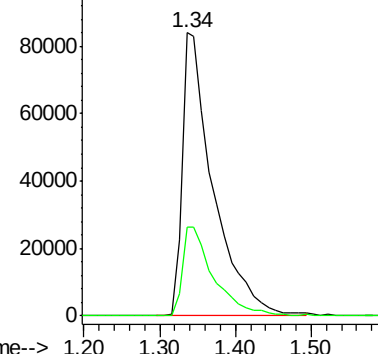
85 100

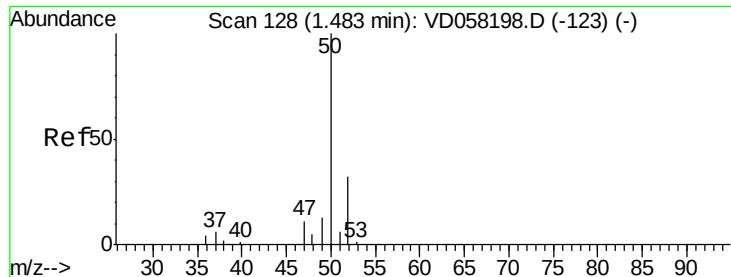
87 31.3 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 24.22 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

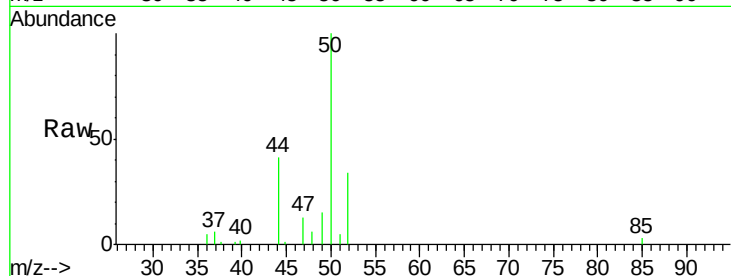
VD0622SBS01

Tot Ion: 50 Resp: 103750

Ion Ratio Lower Upper

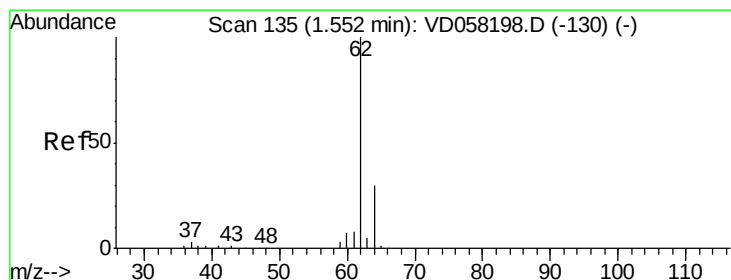
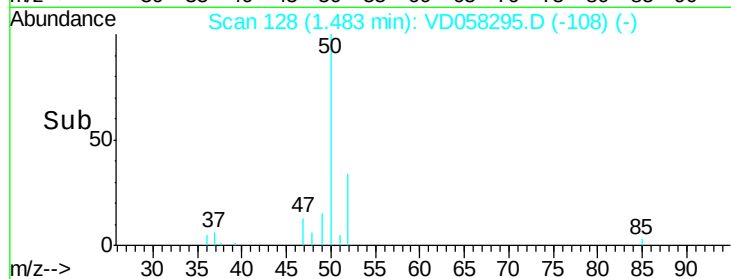
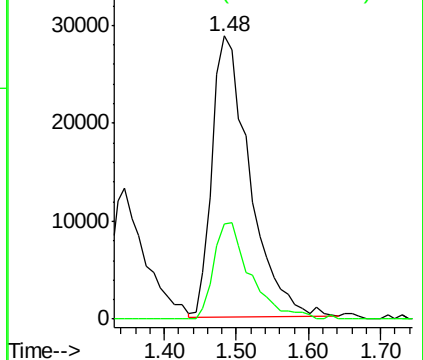
50 100

52 33.7 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.74 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD058295.D

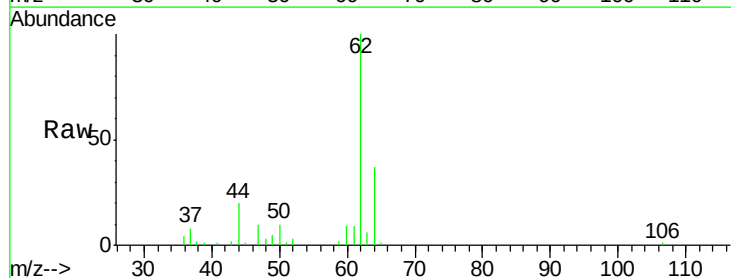
Acq: 22 Jun 2018 14:17

Tgt Ion: 62 Resp: 102303

Ion Ratio Lower Upper

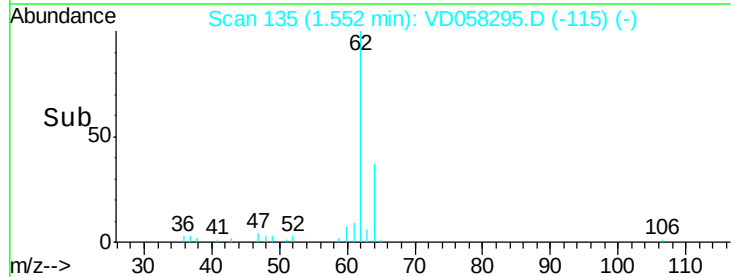
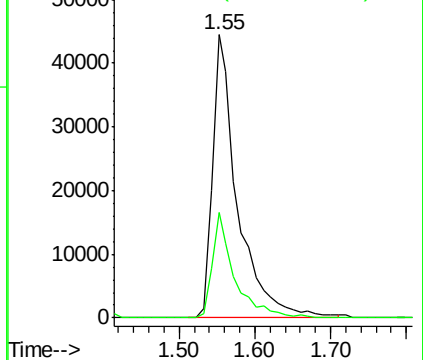
62 100

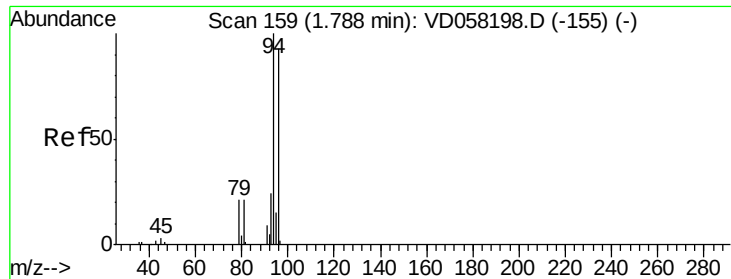
64 37.3 24.4 36.6#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 21.74 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

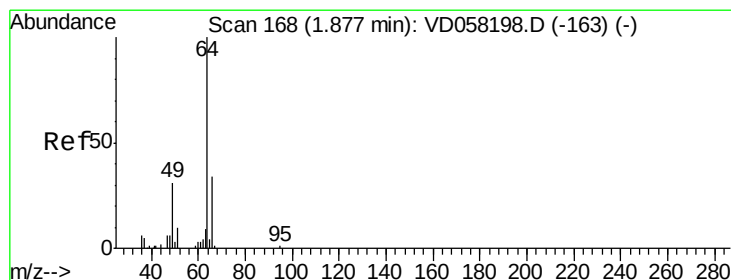
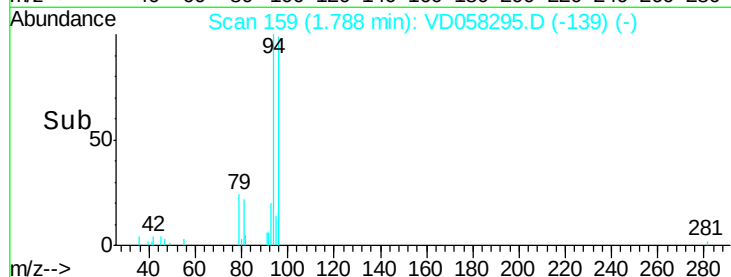
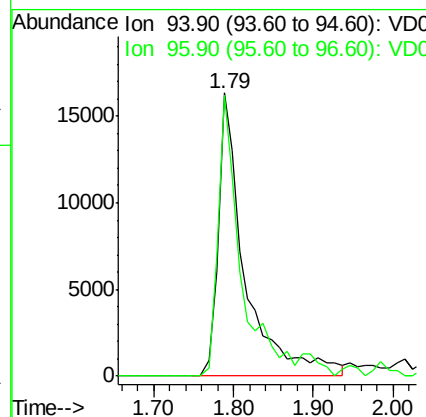
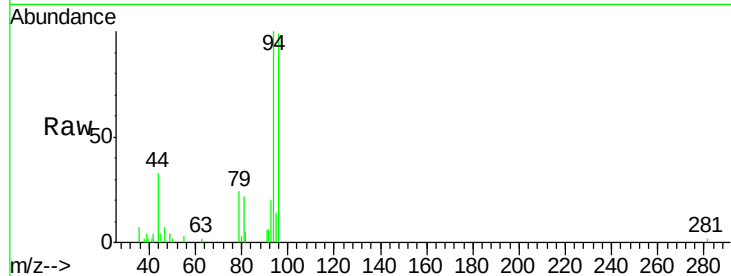
VD0622SBSD01

Tot Ion: 94 Resp: 38308

Ion Ratio Lower Upper

94 100

96 99.3 74.2 111.2



#6

Chloroethane

Concen: 20.22 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.00 min

Lab File: VD058295.D

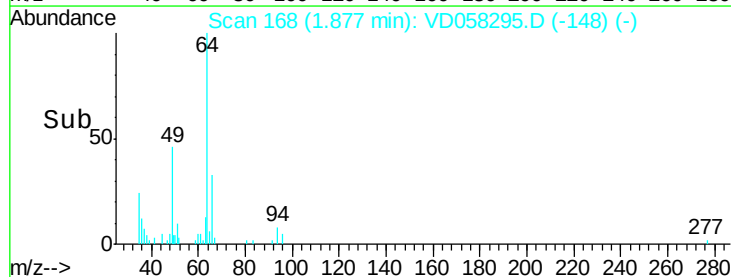
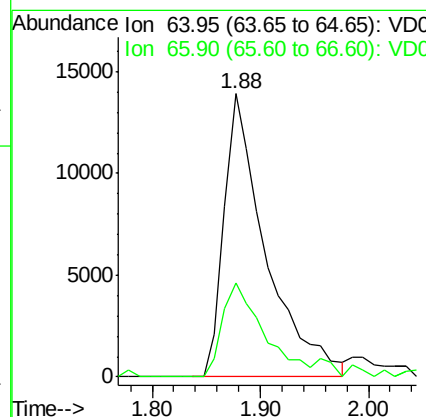
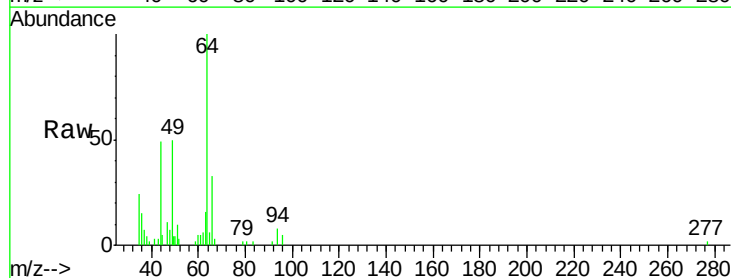
Acq: 22 Jun 2018 14:17

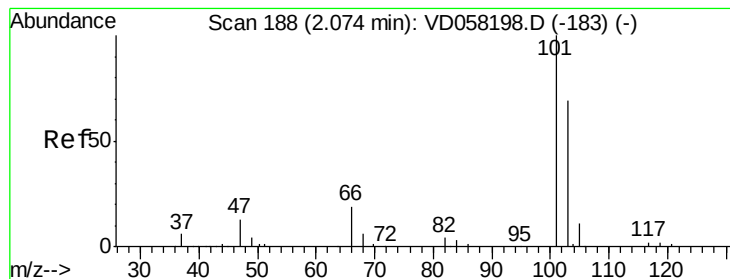
Tgt Ion: 64 Resp: 37132

Ion Ratio Lower Upper

64 100

66 33.4 27.3 40.9



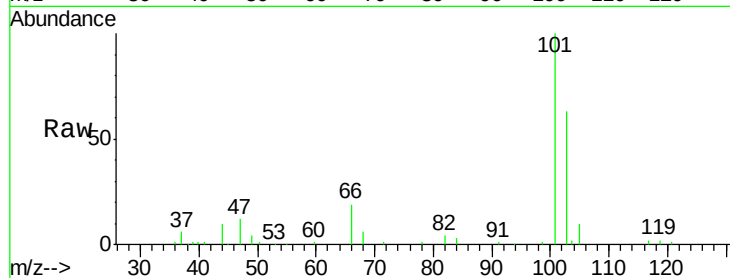


#7

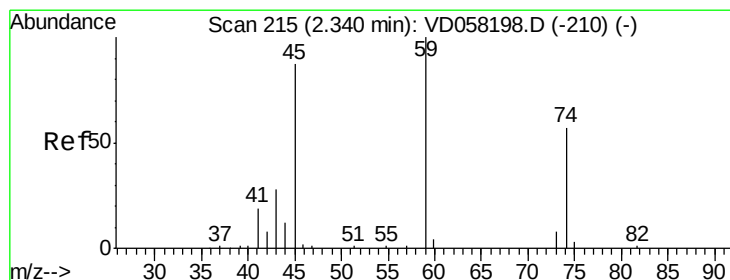
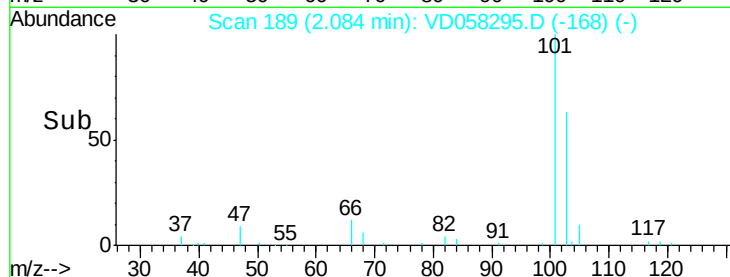
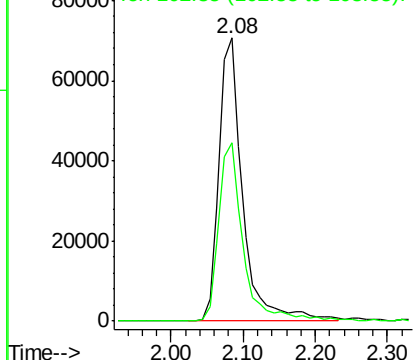
Trichlorofluoromethane
 Concen: 24.84 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion:101 Resp: 160311
 Ion Ratio Lower Upper
 101 100
 103 63.1 55.1 82.7



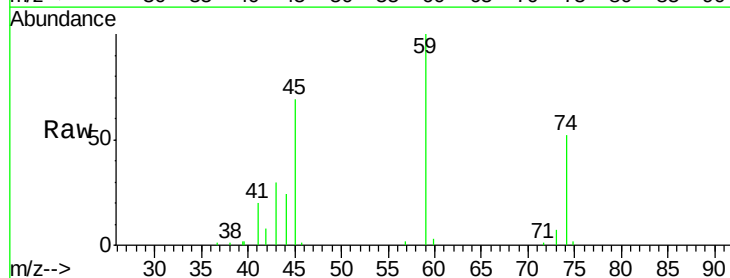
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



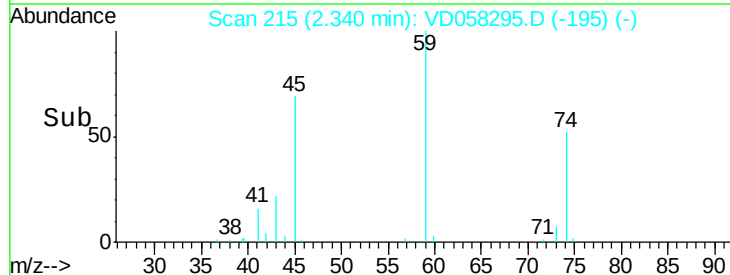
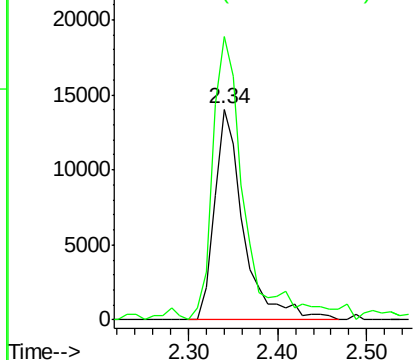
#8

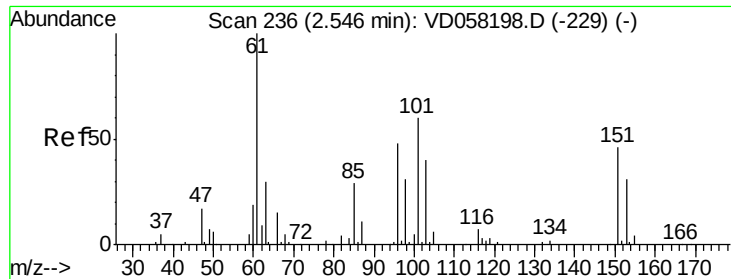
Diethyl Ether
 Concen: 23.37 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. -0.00 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Tgt Ion: 74 Resp: 31891
 Ion Ratio Lower Upper
 74 100
 45 134.3 77.5 232.6



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

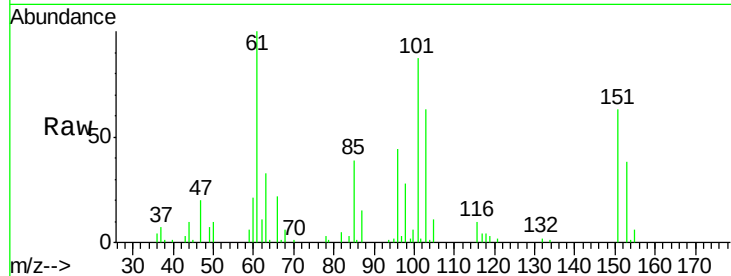




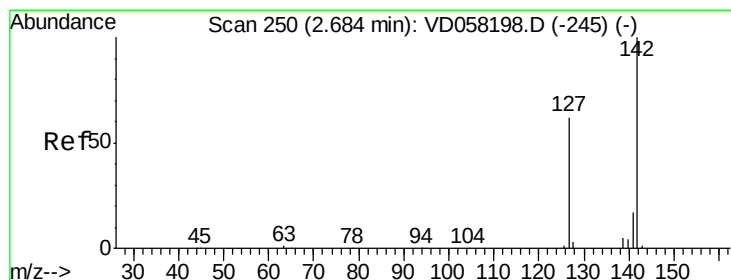
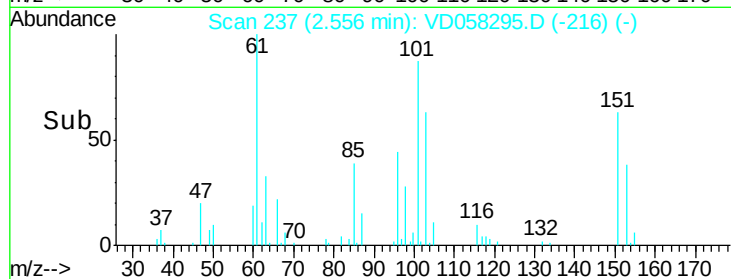
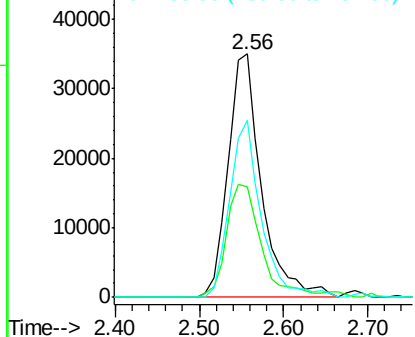
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 23.53 ug/l
 RT: 2.56 min Scan# 237
 Delta R.T. 0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion:101 Resp: 96522
 Ion Ratio Lower Upper
 101 100
 85 45.2 39.0 58.4
 151 72.9 61.8 92.8

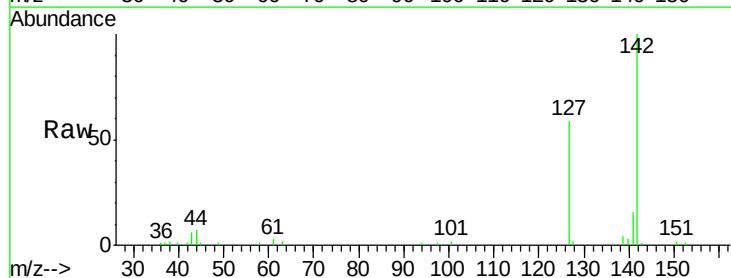


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

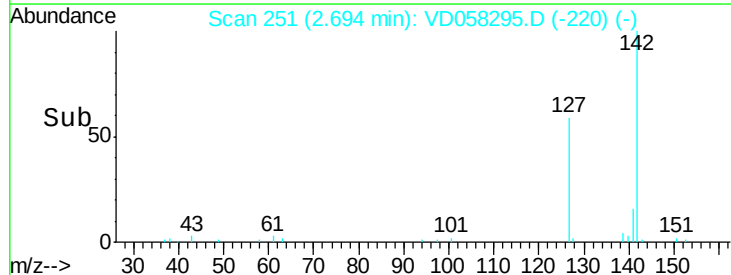
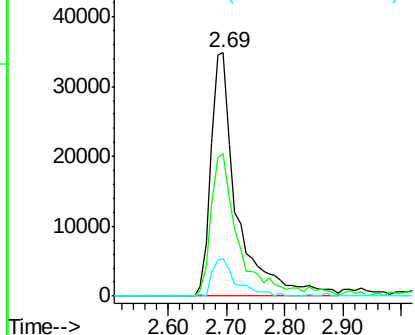


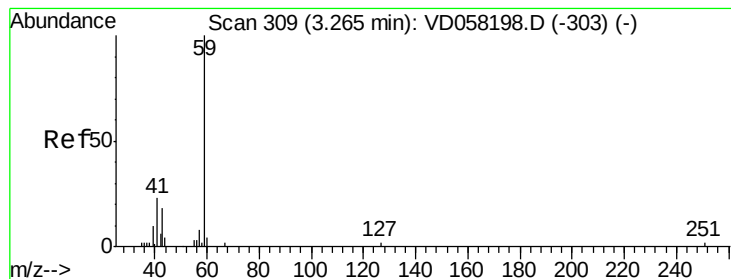
#10
 Methyl Iodide
 Concen: 23.25 ug/l
 RT: 2.69 min Scan# 251
 Delta R.T. 0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Tgt Ion:142 Resp: 108485
 Ion Ratio Lower Upper
 142 100
 127 58.8 49.4 74.0
 141 15.6 13.5 20.3



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



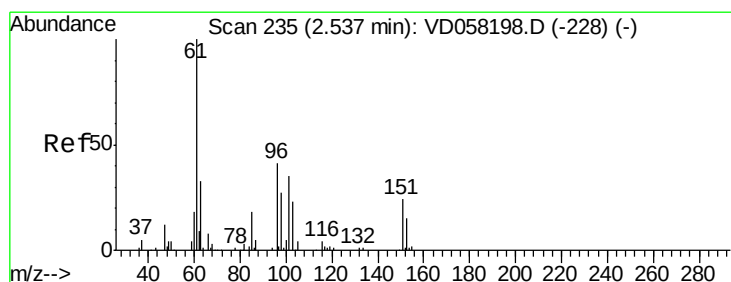
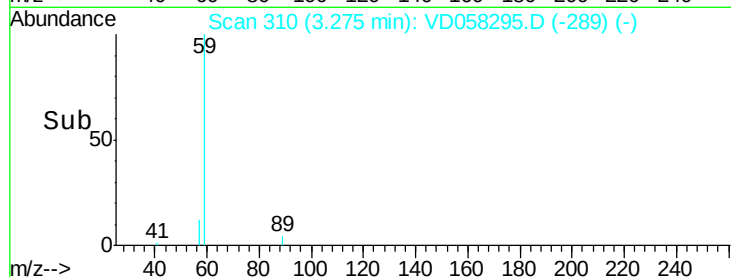
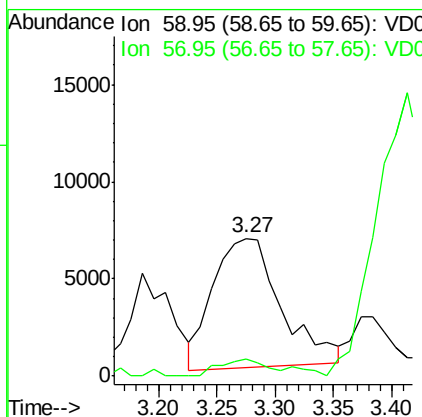
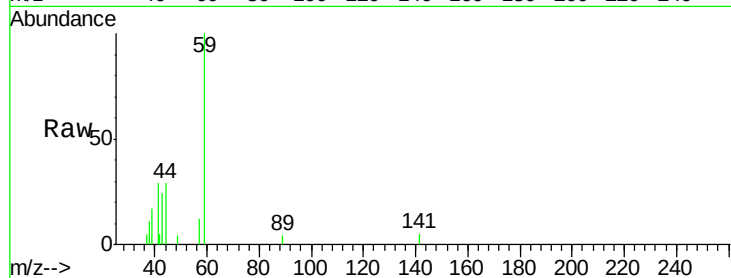


#11

Tert butyl alcohol
 Concen: 90.33 ug/l
 RT: 3.27 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

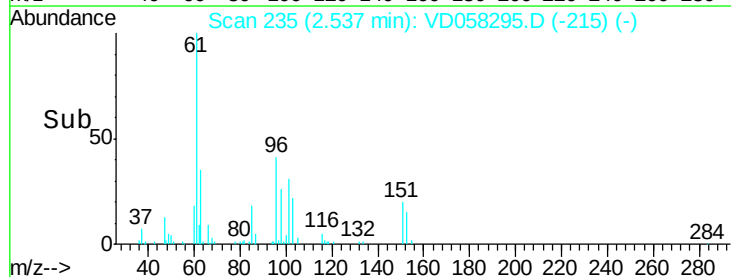
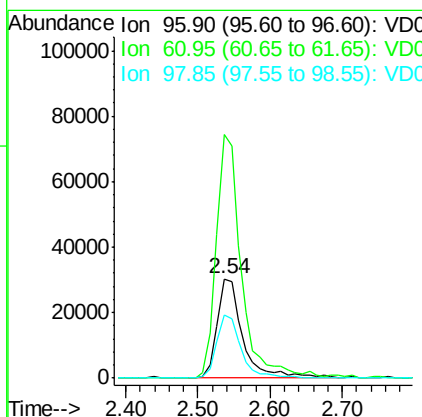
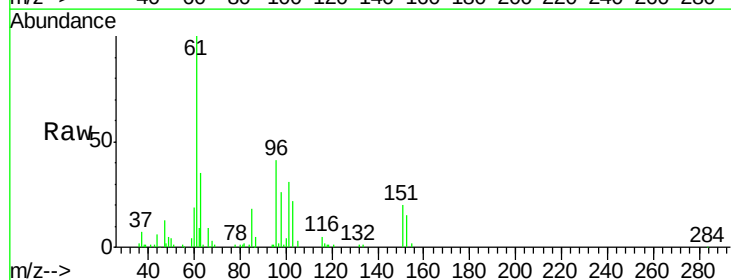
Tot Ion: 59 Resp: 27036
 Ion Ratio Lower Upper
 59 100
 57 12.4 6.2 9.4#

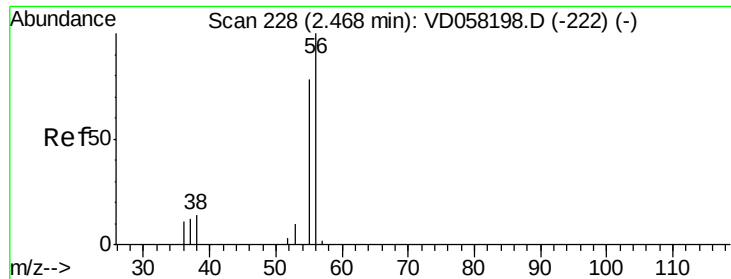


#12

1,1-Dichloroethene
 Concen: 23.99 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. -0.00 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Tgt Ion: 96 Resp: 74037
 Ion Ratio Lower Upper
 96 100
 61 244.4 193.9 290.9
 98 62.9 51.7 77.5





#13

Acrolein

Concen: 98.24 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

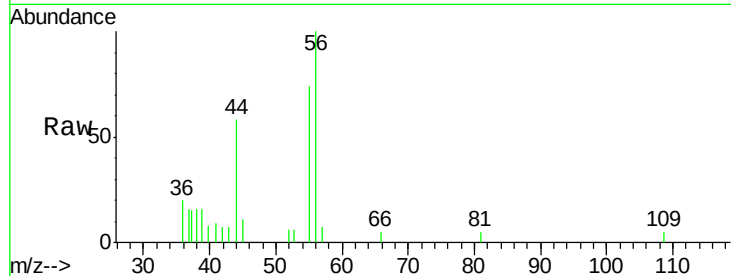
VD0622SBS01

Tot Ion: 56 Resp: 16785

Ion Ratio Lower Upper

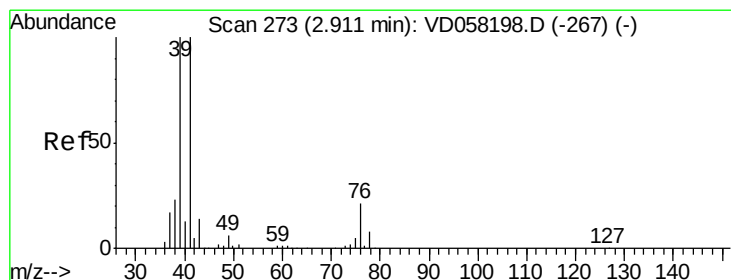
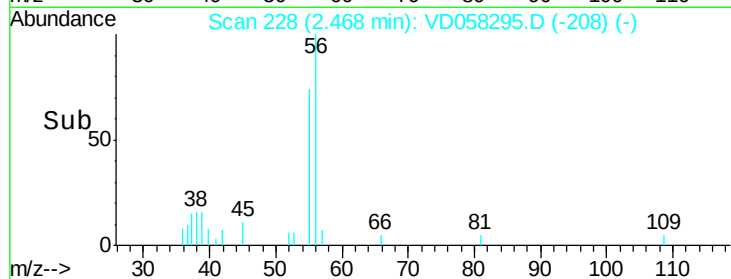
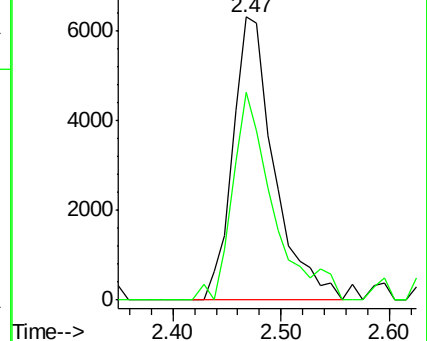
56 100

55 73.5 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.15 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

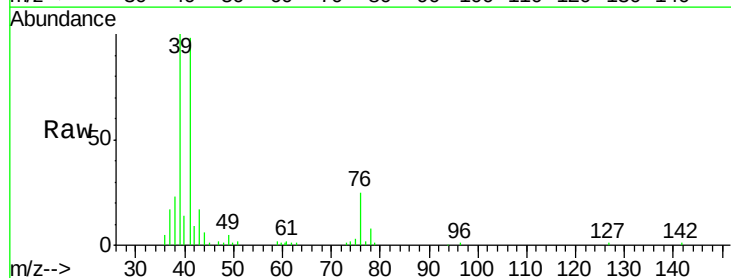
Tgt Ion: 41 Resp: 159101

Ion Ratio Lower Upper

41 100

39 102.5 80.1 120.1

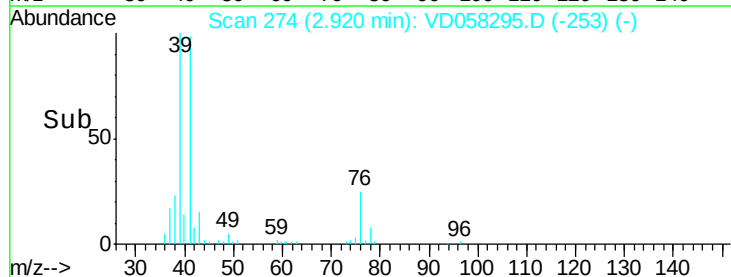
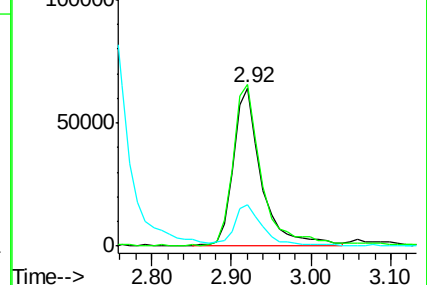
76 25.9 19.4 29.2

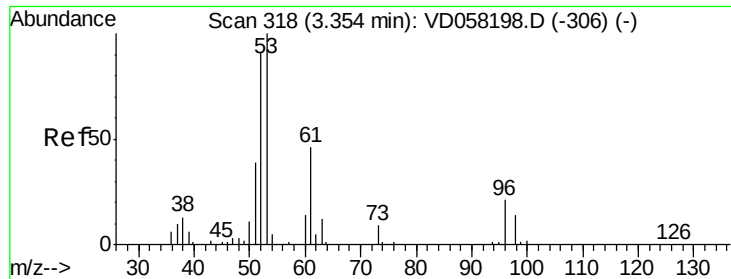


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 94.68 ug/l

RT: 3.35 min Scan# 318

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

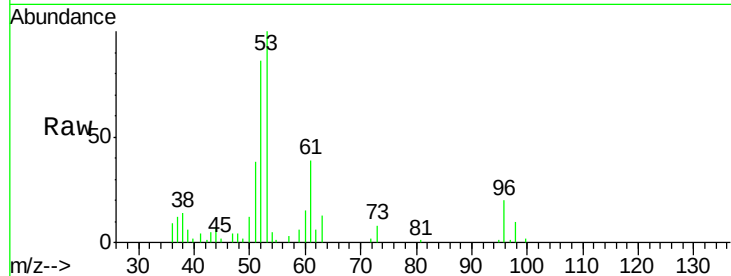
Tot Ion: 53 Resp: 75134

Ion Ratio Lower Upper

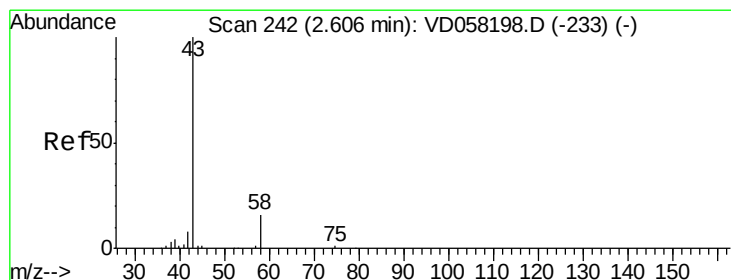
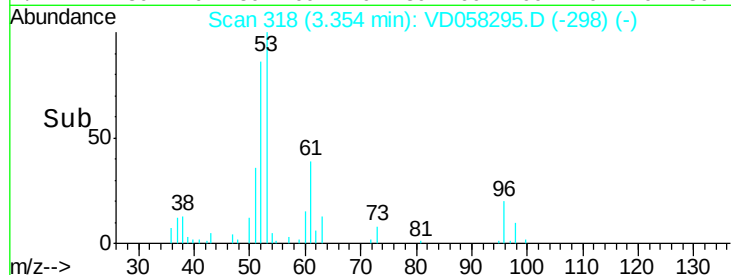
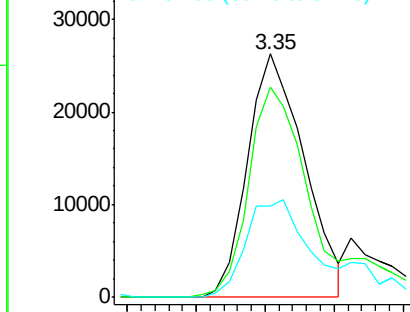
53 100

52 86.1 72.6 108.8

51 37.7 32.2 48.4



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 108.60 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058295.D

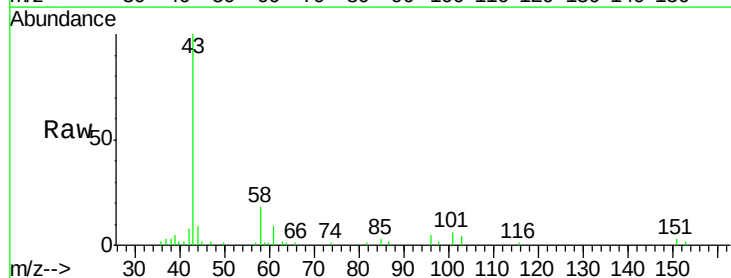
Acq: 22 Jun 2018 14:17

Tgt Ion: 43 Resp: 134779

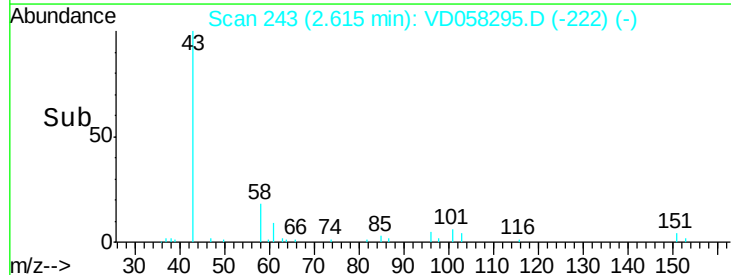
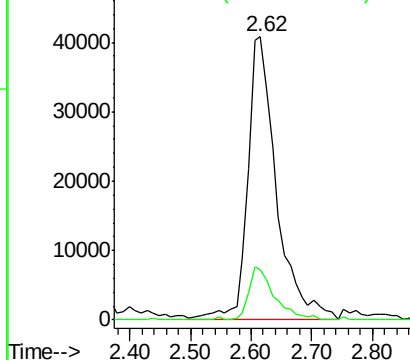
Ion Ratio Lower Upper

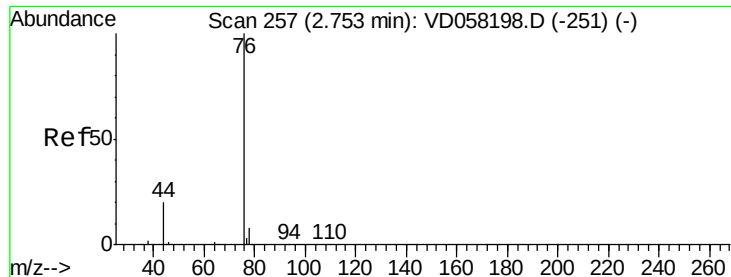
43 100

58 17.8 12.7 19.1



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





#17

Carbon Disulfide

Concen: 21.28 ug/l

RT: 2.75 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

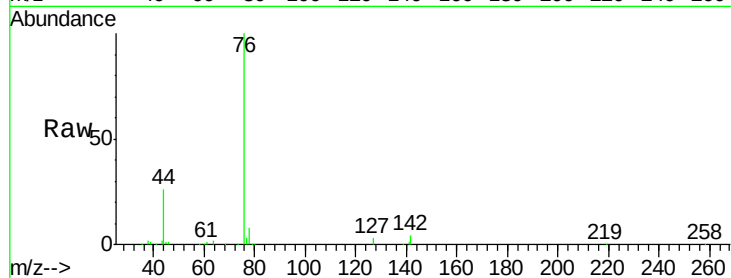
VD0622SBS01

Tot Ion: 76 Resp: 223463

Ion Ratio Lower Upper

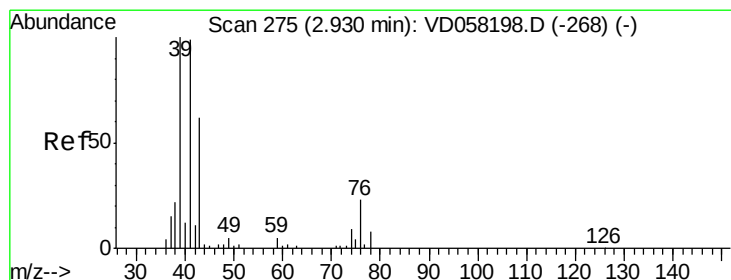
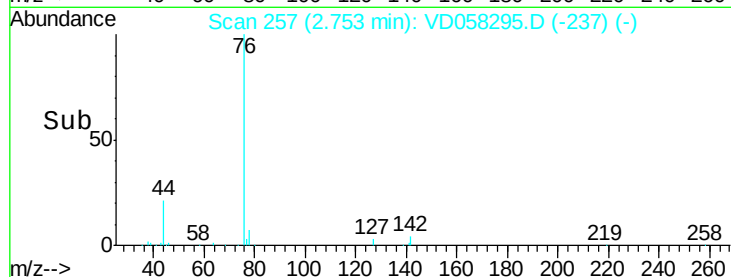
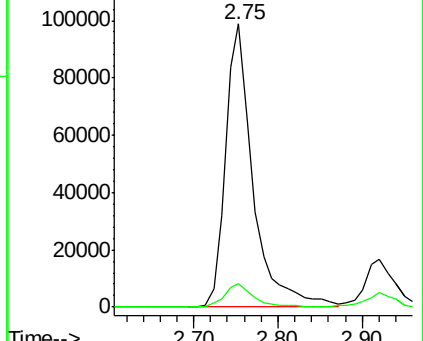
76 100

78 8.2 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.19 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.01 min

Lab File: VD058295.D

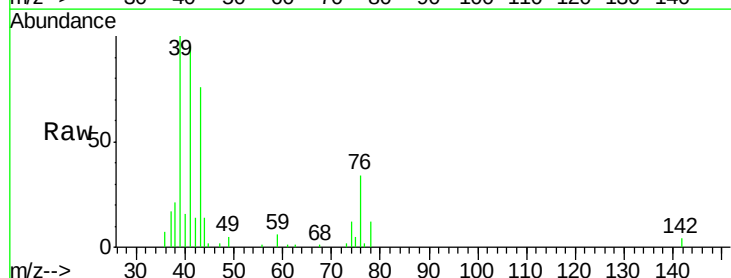
Acq: 22 Jun 2018 14:17

Tgt Ion: 43 Resp: 53433

Ion Ratio Lower Upper

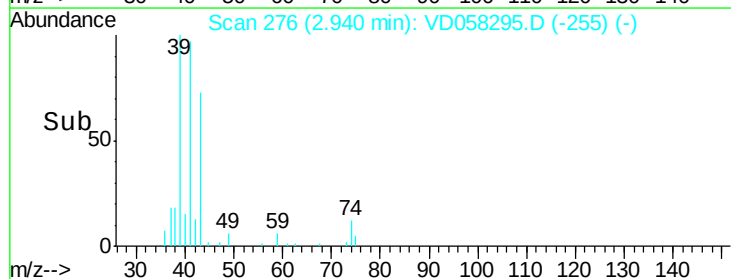
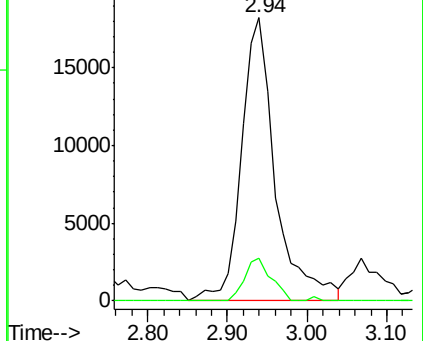
43 100

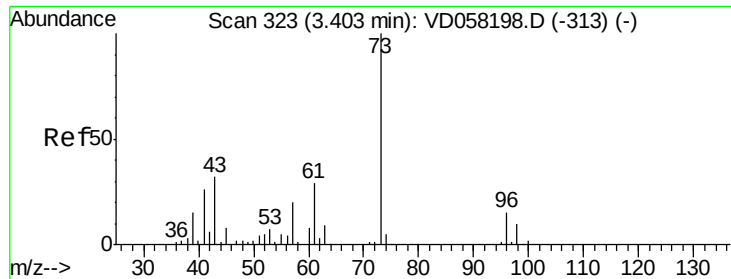
74 15.1 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



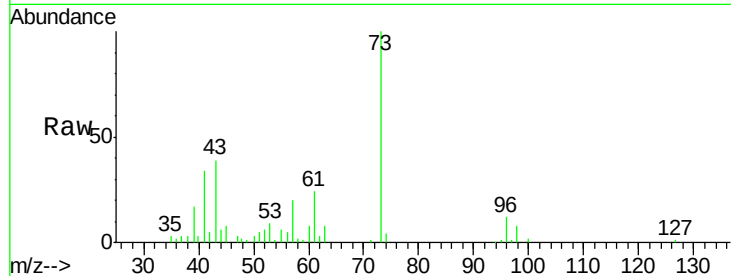


#19

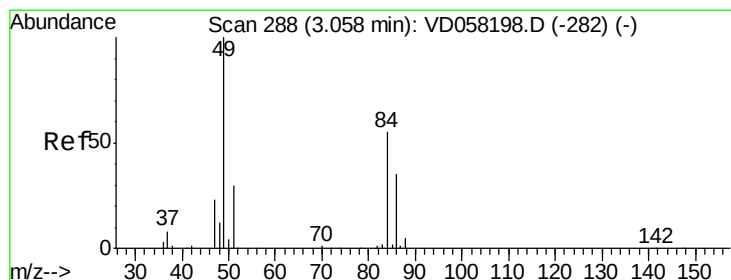
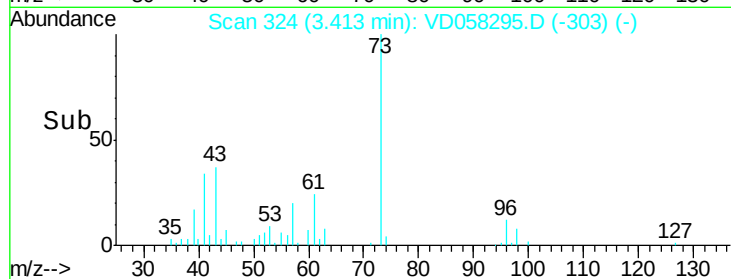
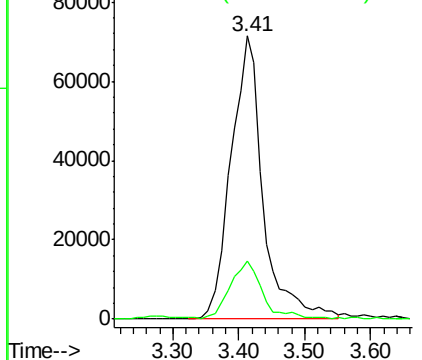
Methyl tert-butyl Ether
 Concen: 29.85 ug/l
 RT: 3.41 min Scan# 324
 Delta R.T. 0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion: 73 Resp: 244398
 Ion Ratio Lower Upper
 73 100
 57 20.4 16.6 24.8



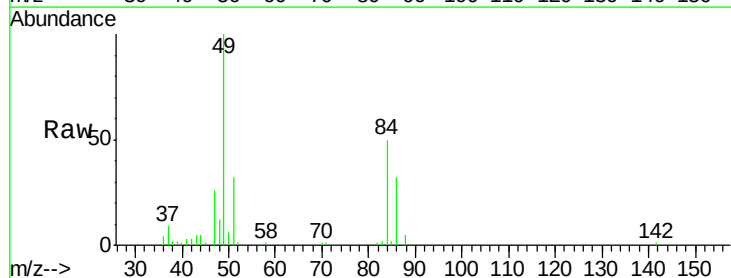
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



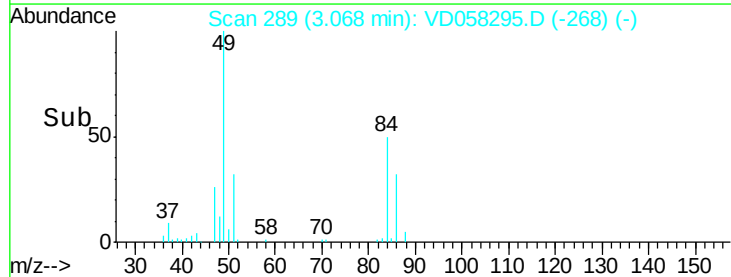
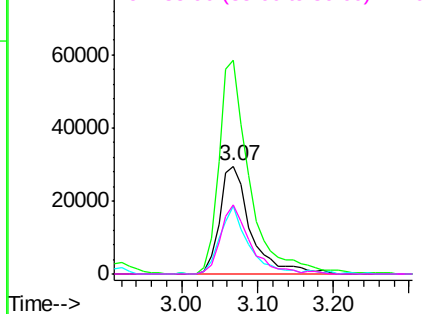
#20

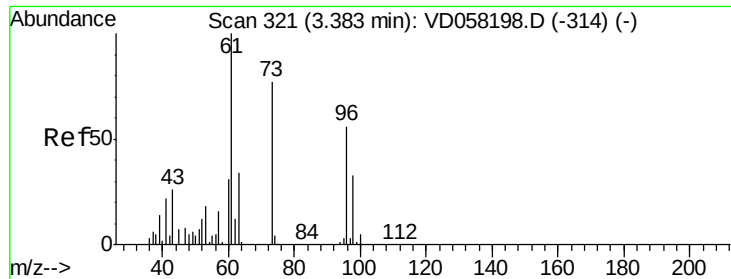
Methylene Chloride
 Concen: 23.40 ug/l
 RT: 3.07 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Tgt Ion: 84 Resp: 84017
 Ion Ratio Lower Upper
 84 100
 49 198.5 145.0 217.6
 51 63.1 42.9 64.3
 86 63.8 50.1 75.1



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: 28.48 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

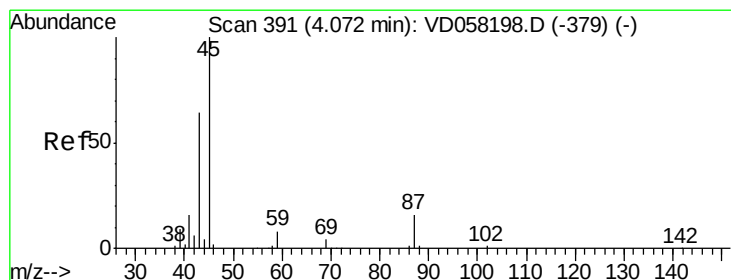
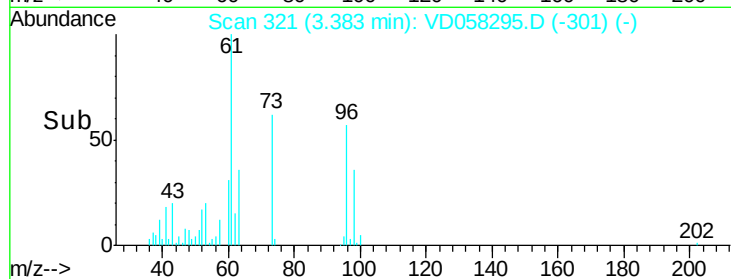
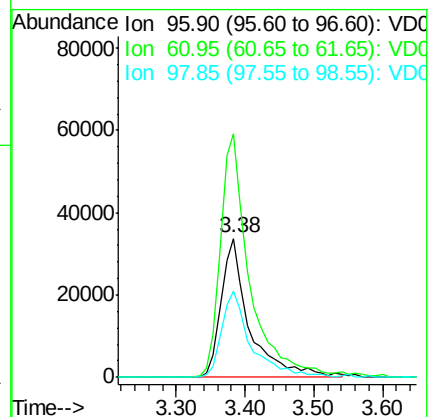
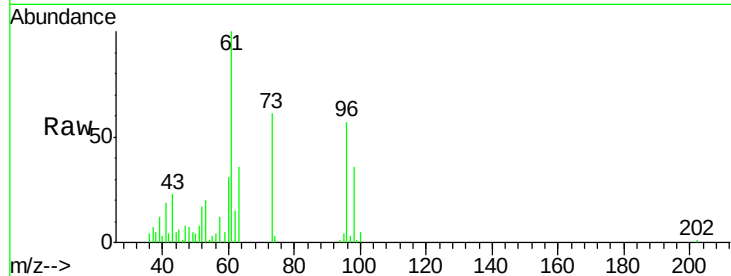
Tot Ion: 96 Resp: 96065

Ion Ratio Lower Upper

96 100

61 175.4 143.8 215.6

98 62.4 48.0 72.0



#22

Diisopropyl ether

Concen: 21.50 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Tgt Ion: 45 Resp: 613384

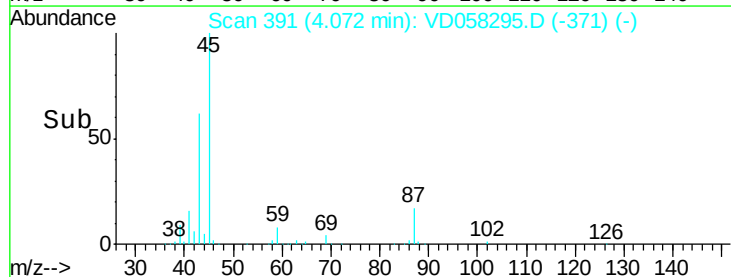
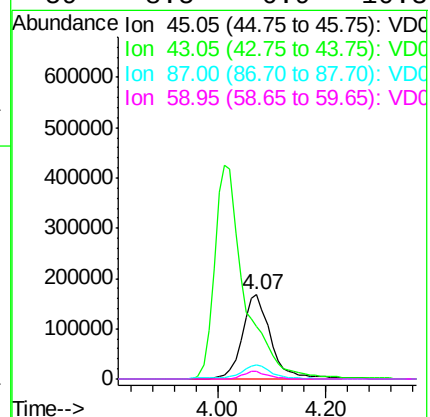
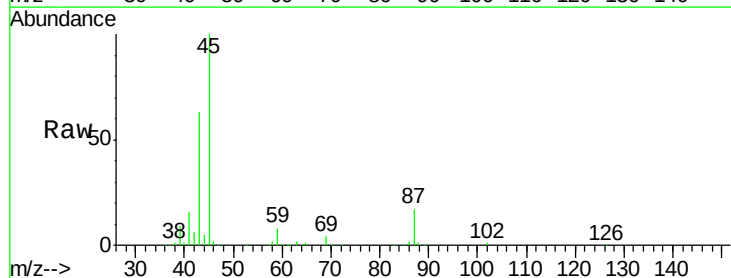
Ion Ratio Lower Upper

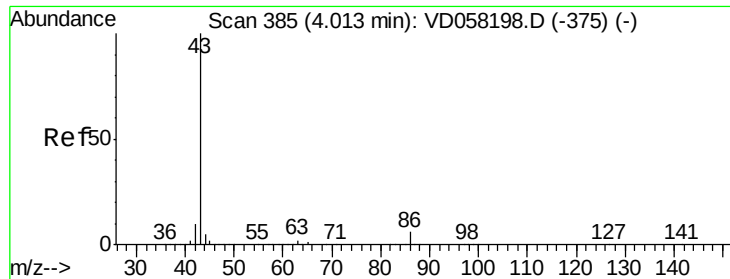
45 100

43 62.5 51.4 77.0

87 17.1 13.0 19.4

59 8.5 6.9 10.3





#23

Vinyl Acetate

Concen: 105.56 ug/l

RT: 4.01 min Scan# 385

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

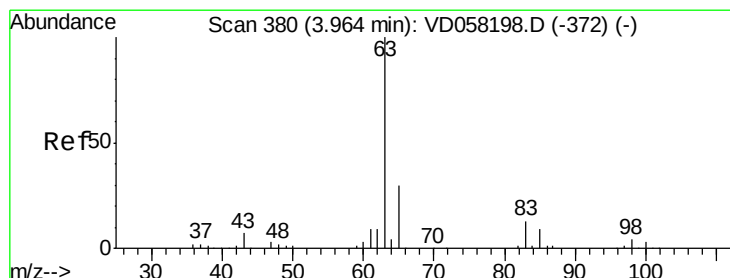
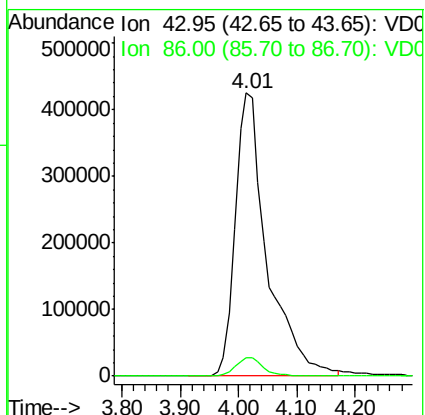
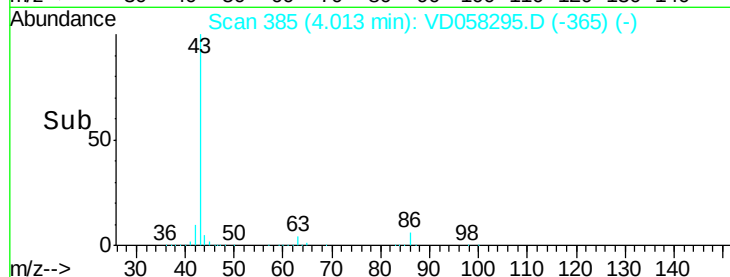
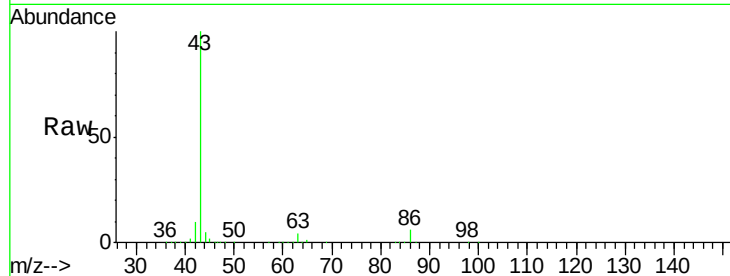
VD0622SBS01

Tot Ion: 43 Resp: 1614481

Ion Ratio Lower Upper

43 100

86 6.4 5.0 7.4



#24

1,1-Dichloroethane

Concen: 23.98 ug/l

RT: 3.96 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

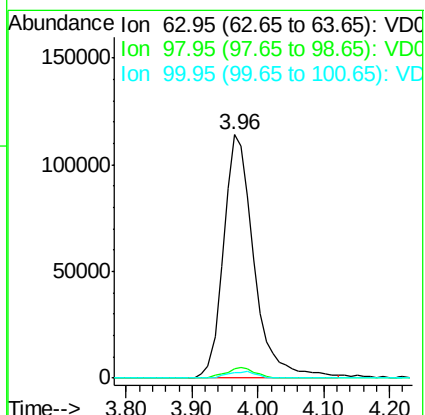
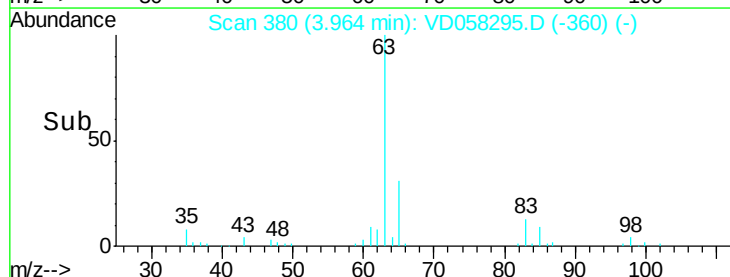
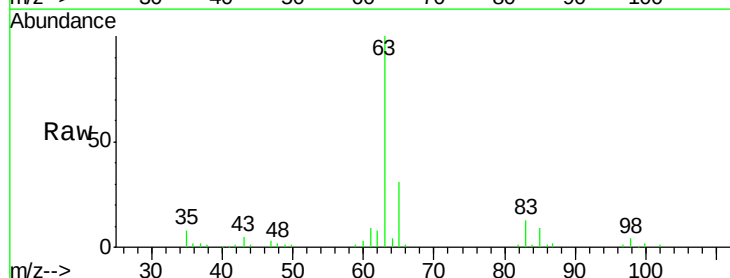
Tgt Ion: 63 Resp: 368533

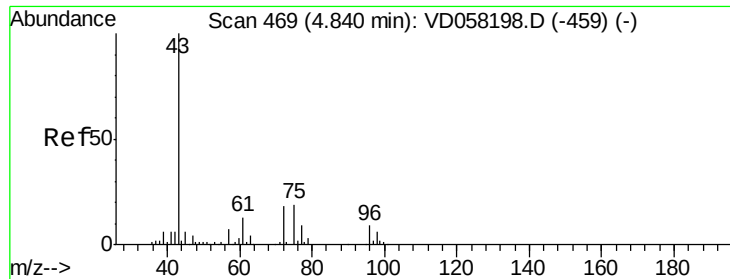
Ion Ratio Lower Upper

63 100

98 4.1 1.9 5.7

100 2.5 1.3 3.9





#25

2-Butanone

Concen: 104.47 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

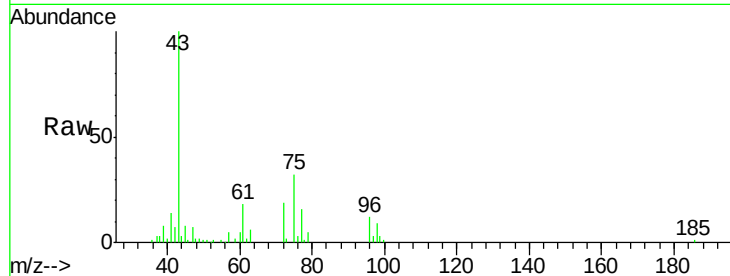
VD0622SBS01

Tot Ion: 43 Resp: 282566

Ion Ratio Lower Upper

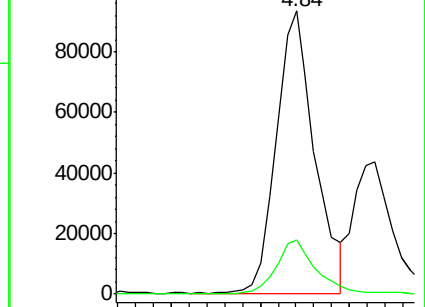
43 100

72 19.2 14.1 21.1

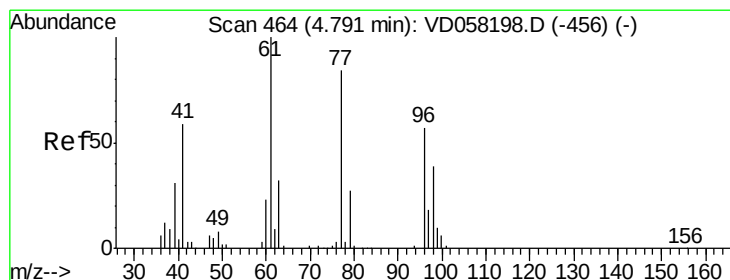
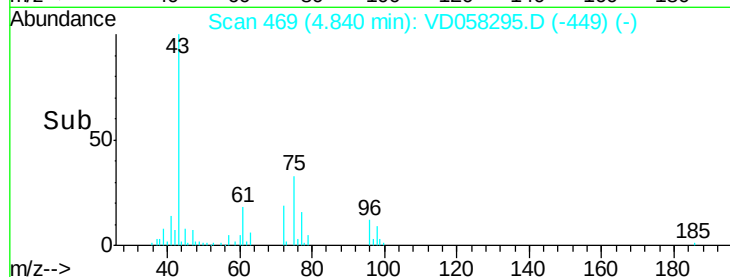


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 24.15 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD058295.D

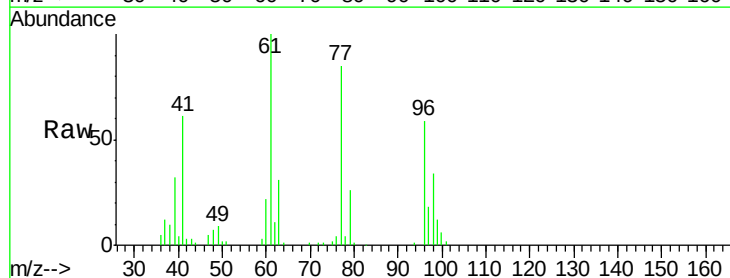
Acq: 22 Jun 2018 14:17

Tgt Ion: 77 Resp: 310780

Ion Ratio Lower Upper

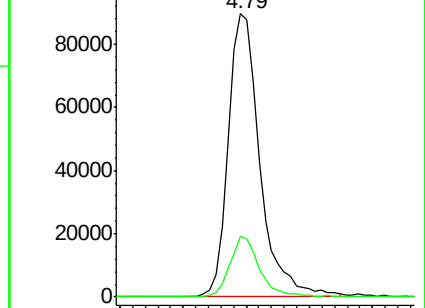
77 100

97 21.4 10.5 31.6

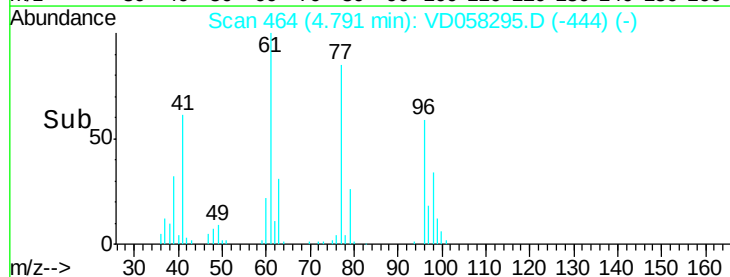


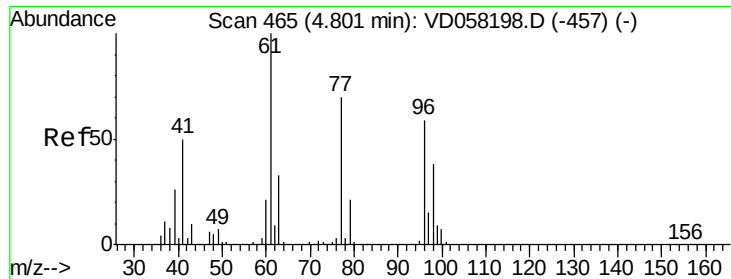
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->





#27

cis-1,2-Dichloroethene

Concen: 23.91 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

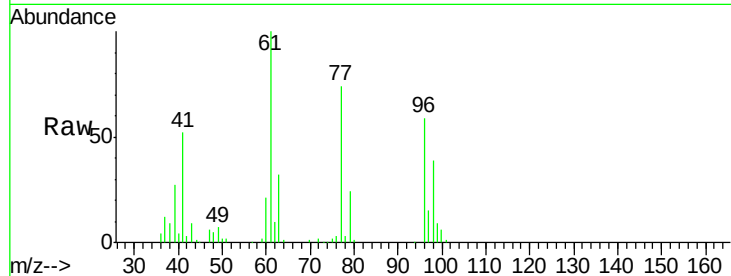
Tot Ion: 96 Resp: 201565

Ion Ratio Lower Upper

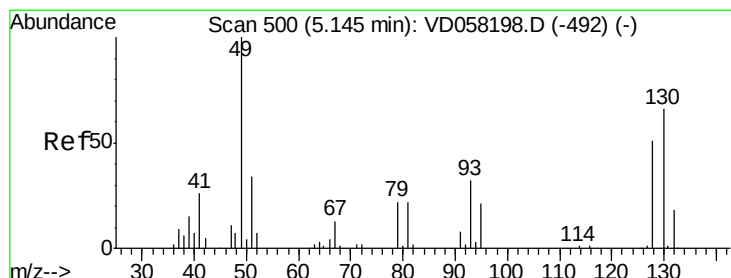
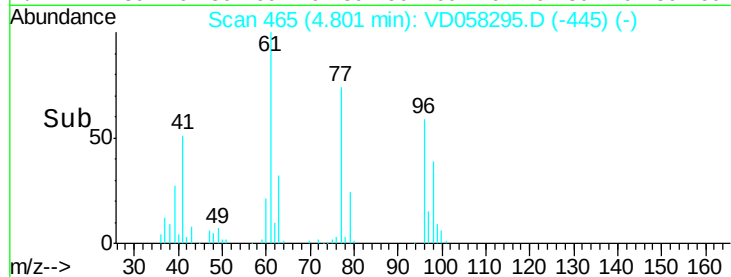
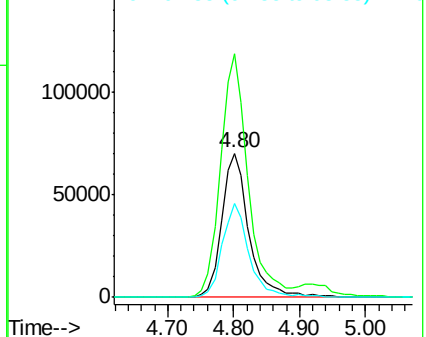
96 100

61 169.3 0.0 338.6

98 65.6 0.0 130.2



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



#28

Bromochloromethane

Concen: 21.65 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

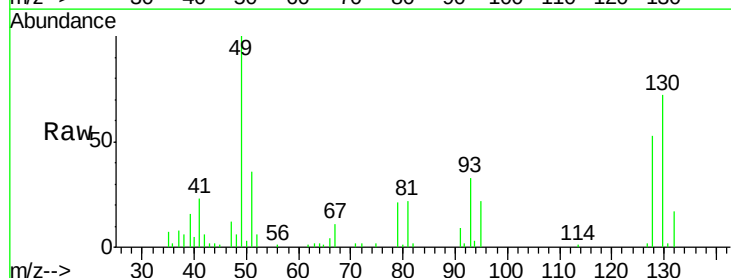
Tgt Ion: 49 Resp: 149157

Ion Ratio Lower Upper

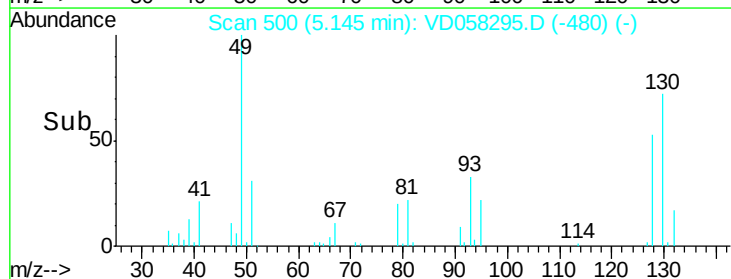
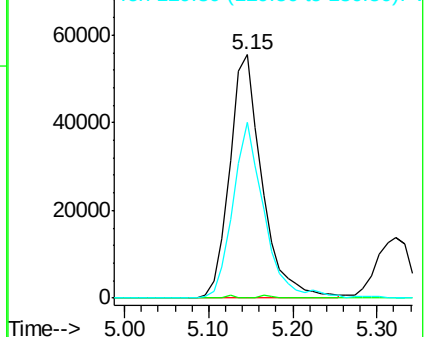
49 100

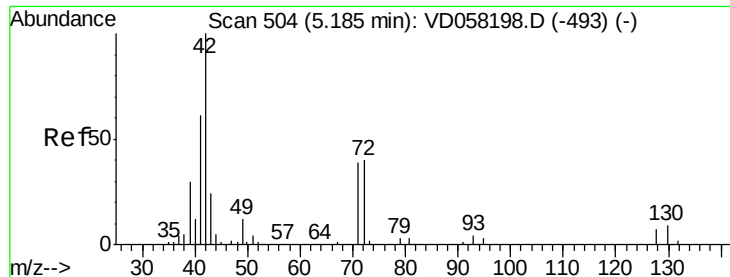
129 0.0 0.0 0.0

130 72.0 52.6 79.0



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

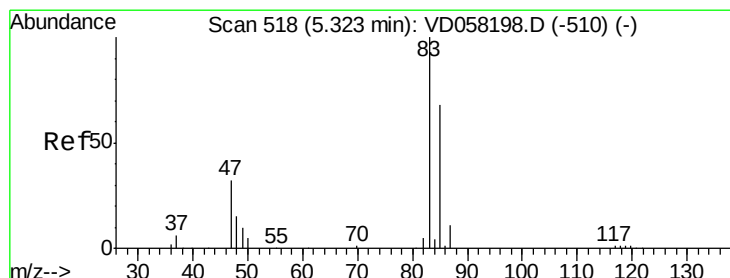
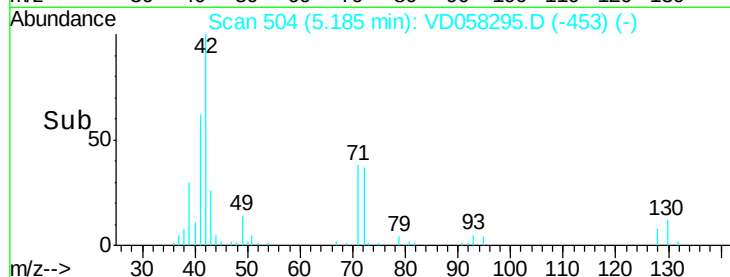
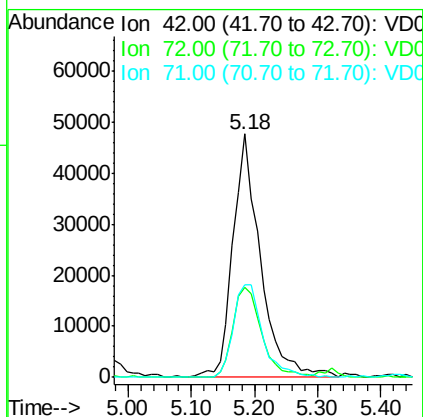
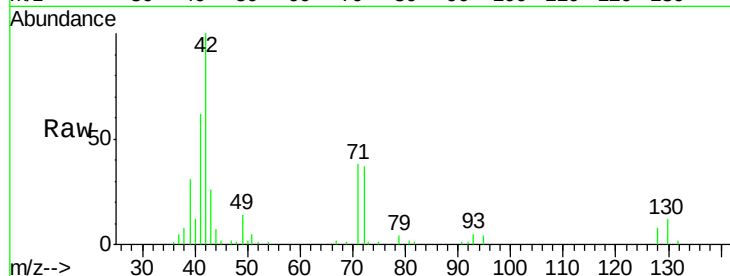




#29
Tetrahydrofuran
Concen: 99.94 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

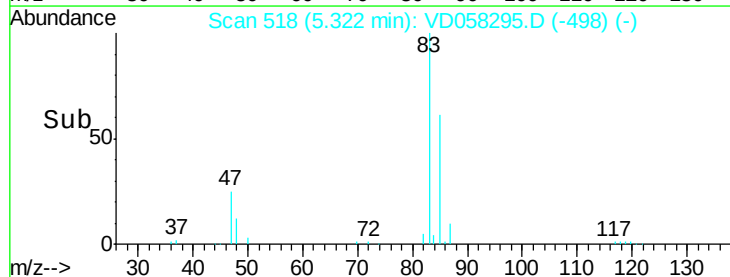
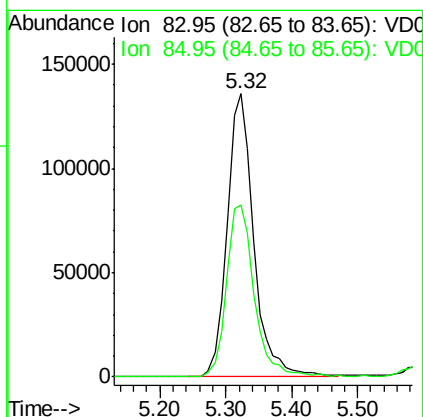
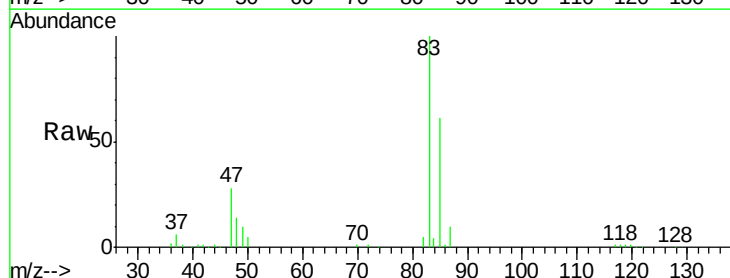
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

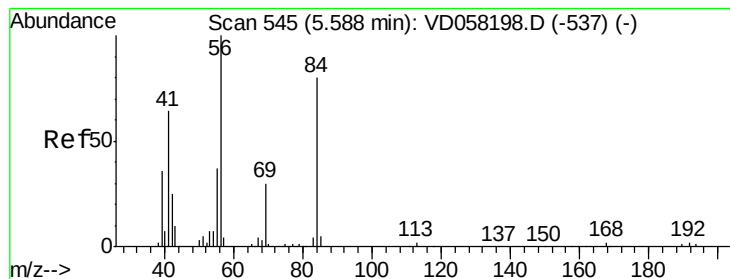
Tot Ion: 42 Resp: 143890
Ion Ratio Lower Upper
42 100
72 38.7 30.2 45.2
71 40.4 30.1 45.1



#30
Chloroform
Concen: 23.69 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

Tgt Ion: 83 Resp: 384489
Ion Ratio Lower Upper
83 100
85 60.8 54.8 82.2





#31

Cyclohexane

Concen: 23.80 ug/l

RT: 5.59 min Scan# 545

Delta R.T. 0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

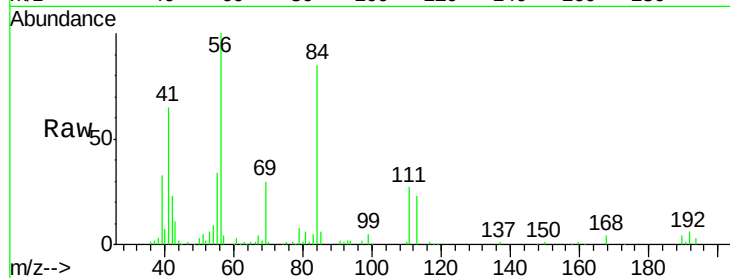
Tot Ion: 56 Resp: 296202

Ion Ratio Lower Upper

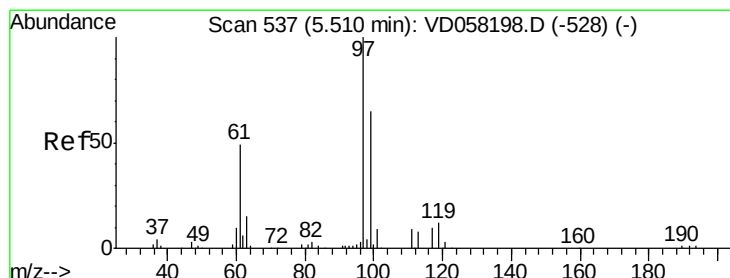
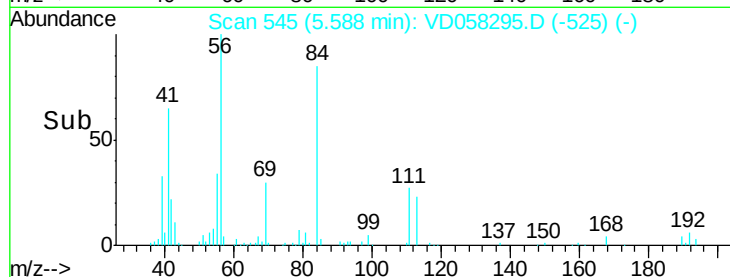
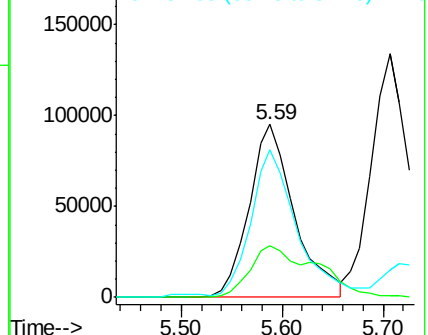
56 100

69 29.7 23.6 35.4

84 85.3 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 23.40 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

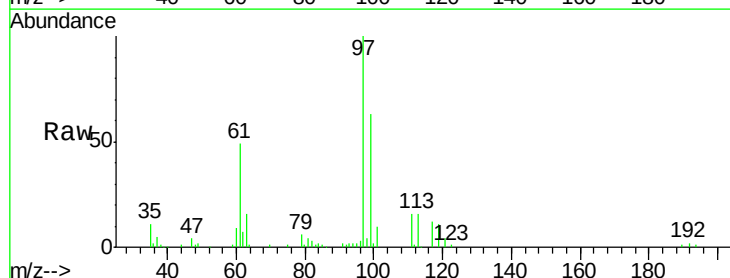
Tgt Ion: 97 Resp: 313764

Ion Ratio Lower Upper

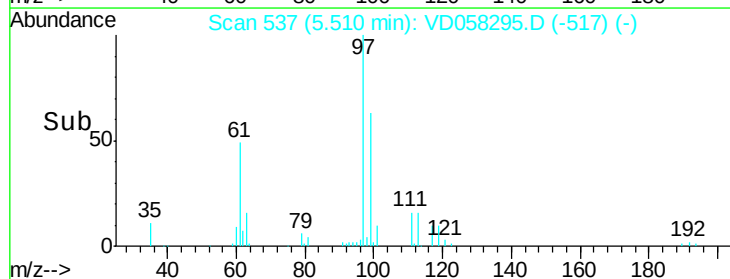
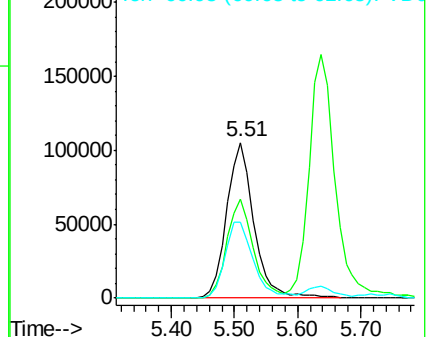
97 100

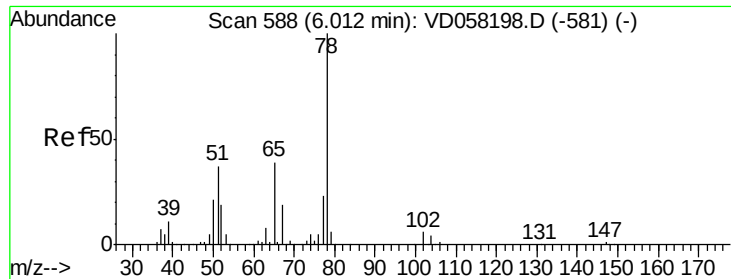
99 63.5 52.2 78.4

61 48.6 39.0 58.4



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

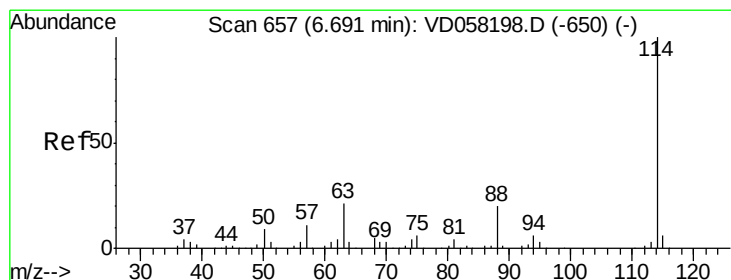
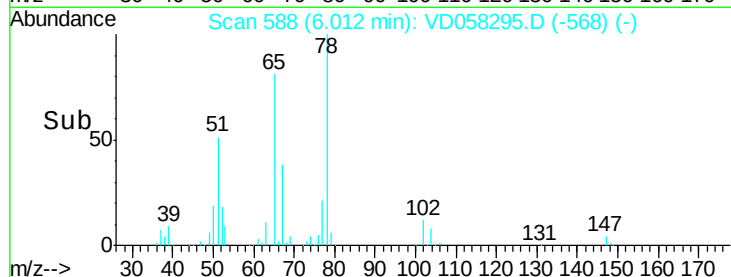
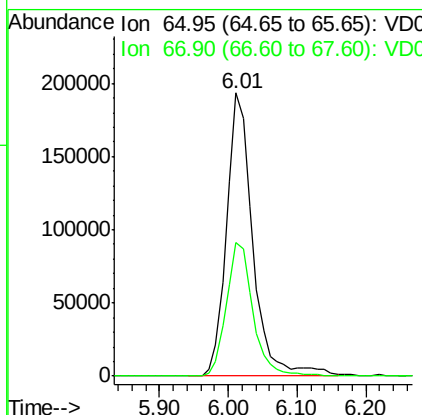
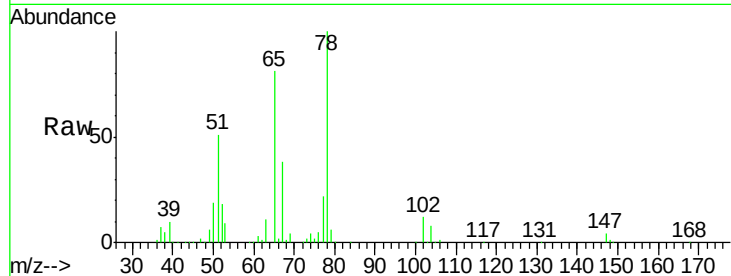




#33
 1,2-Dichloroethane-d4
 Concen: 23.40 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

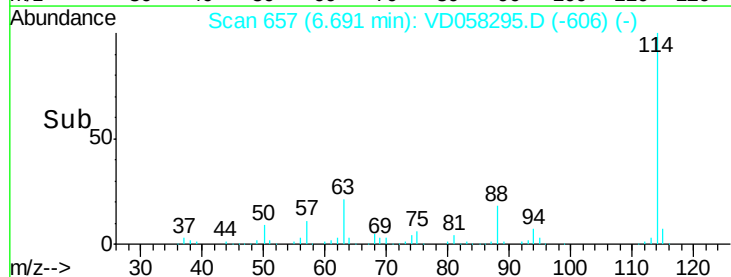
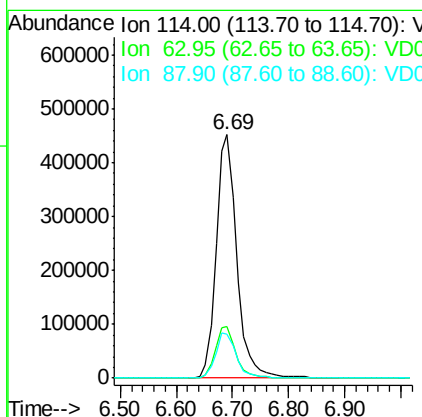
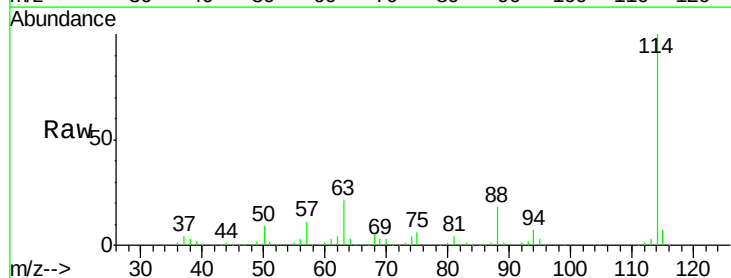
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

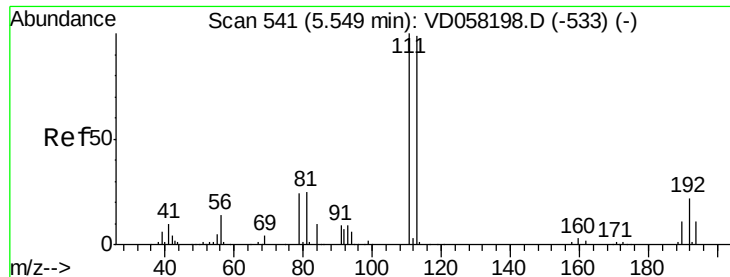
Tot Ion: 65 Resp: 512053
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Tgt Ion: 114 Resp: 1158874
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.6
 88 17.8 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

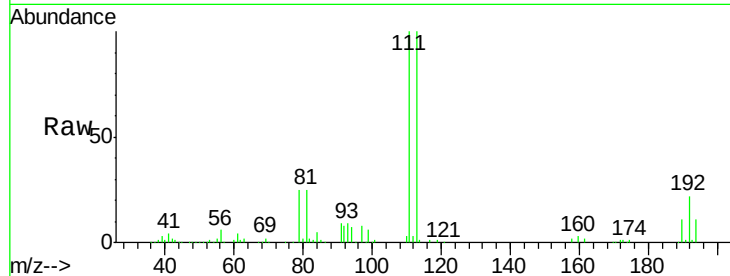
Tot Ion:113 Resp: 535662

Ion Ratio Lower Upper

113 100

111 100.5 80.6 121.0

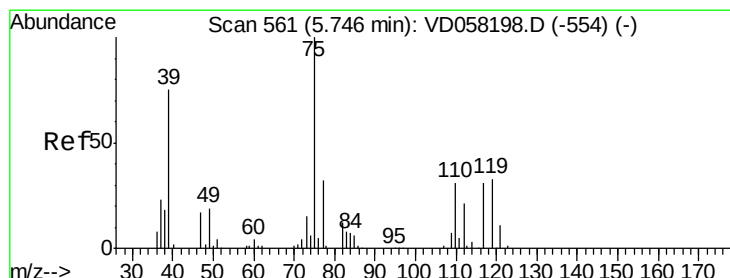
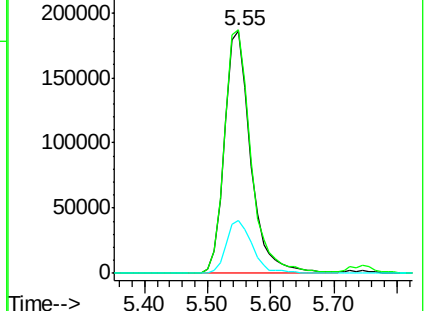
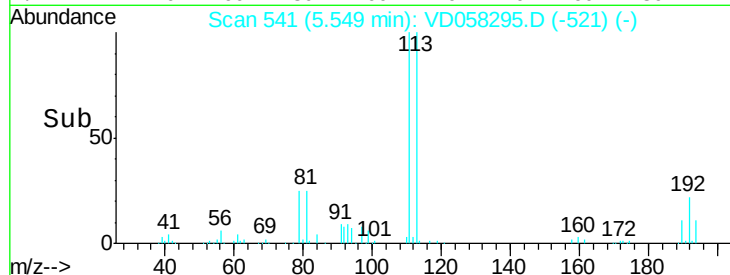
192 21.9 17.8 26.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 24.23 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

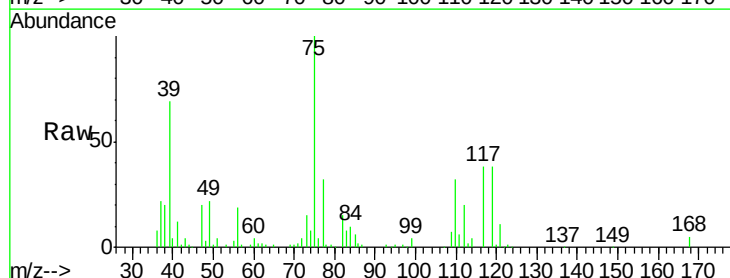
Tgt Ion: 75 Resp: 277821

Ion Ratio Lower Upper

75 100

110 31.7 15.4 46.4

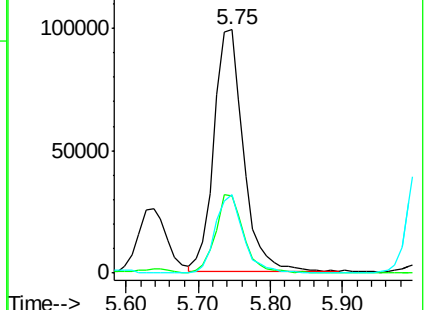
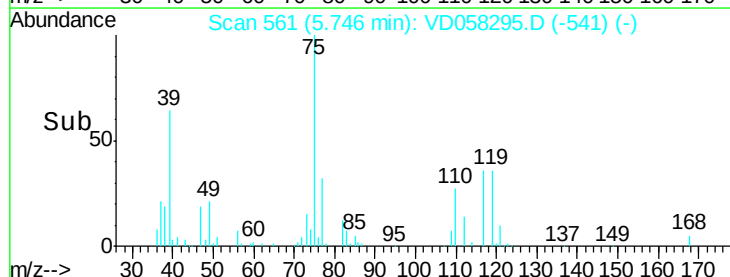
77 32.5 25.4 38.2

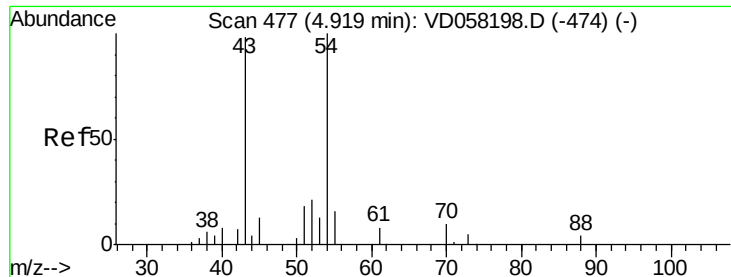


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

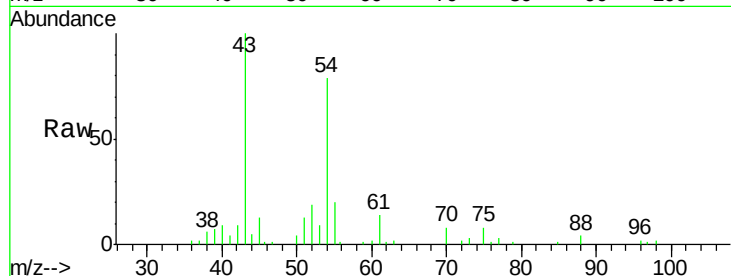




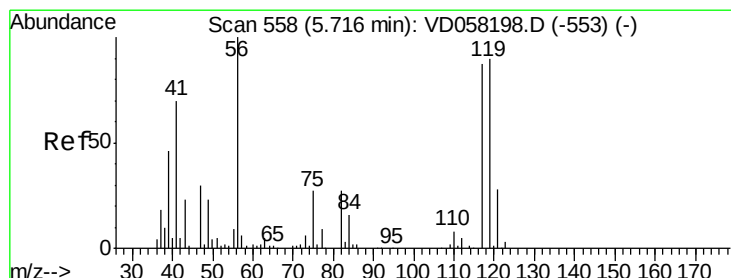
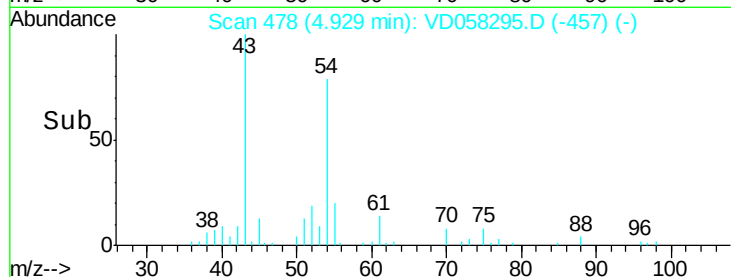
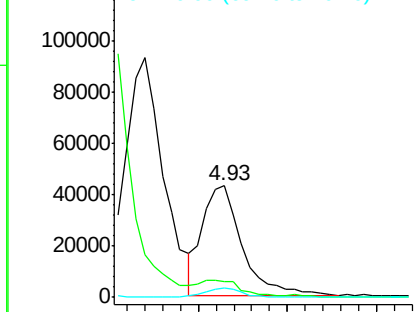
#37
Ethyl Acetate
Concen: 20.31 ug/l
RT: 4.93 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 43 Resp: 132675
Ion Ratio Lower Upper
43 100
61 13.6 10.3 15.5
70 8.0 5.7 8.5

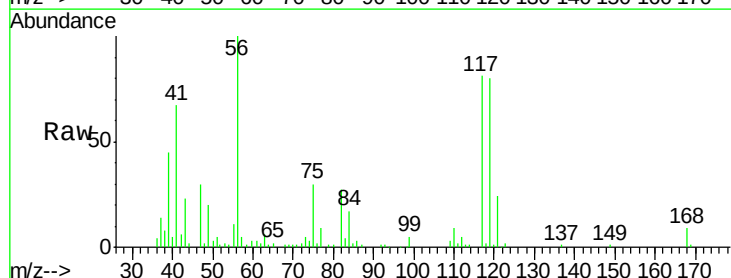


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

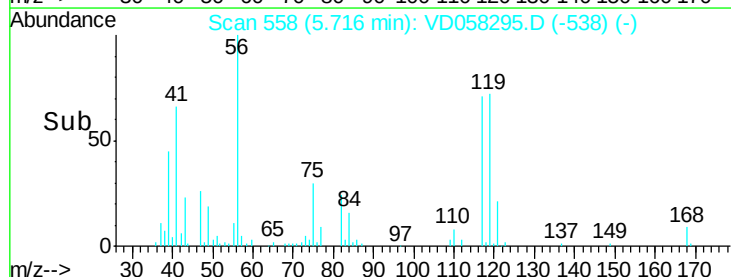
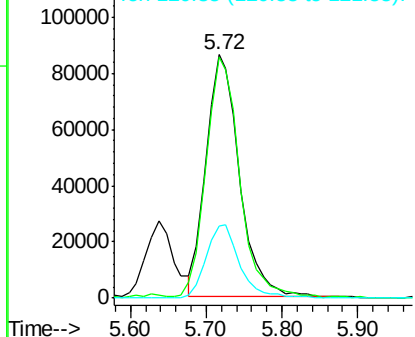


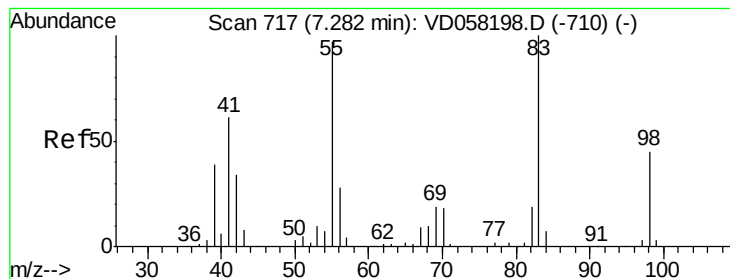
#38
Carbon Tetrachloride
Concen: 23.28 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

Tgt Ion: 117 Resp: 265214
Ion Ratio Lower Upper
117 100
119 99.0 78.8 118.2
121 29.6 25.0 37.6



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





#39

Methylvlcyclohexane

Concen: 25.13 ug/l

RT: 7.28 min Scan# 717

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

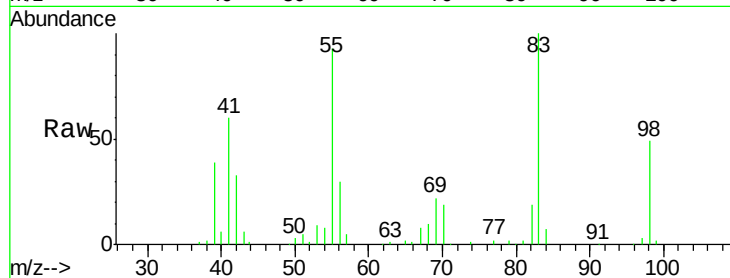
Tot Ion: 83 Resp: 280583

Ion Ratio Lower Upper

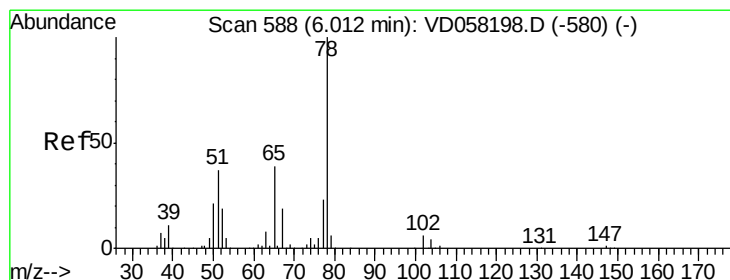
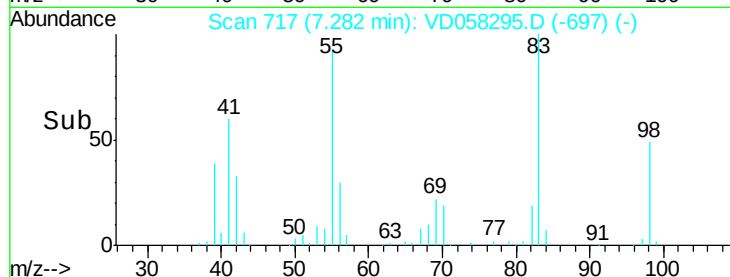
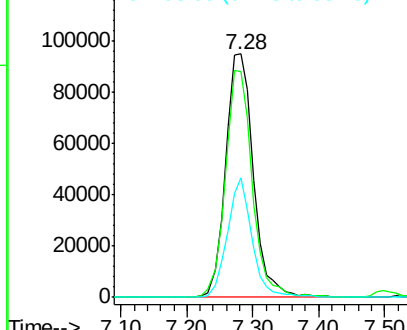
83 100

55 93.0 77.4 116.2

98 49.0 35.9 53.9



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: 23.43 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.00 min

Lab File: VD058295.D

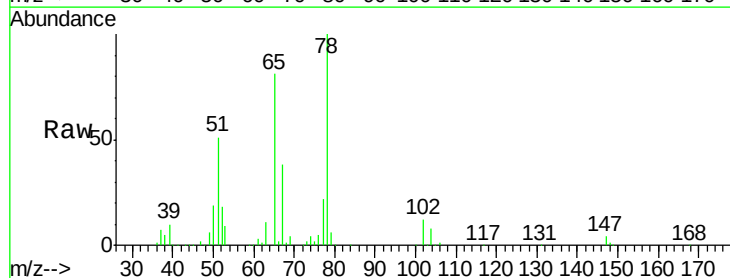
Acq: 22 Jun 2018 14:17

Tgt Ion: 78 Resp: 639840

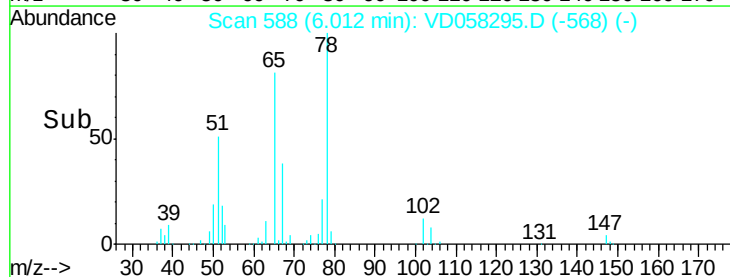
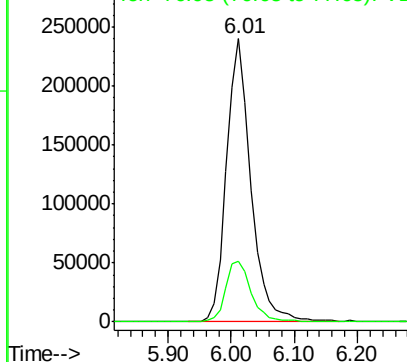
Ion Ratio Lower Upper

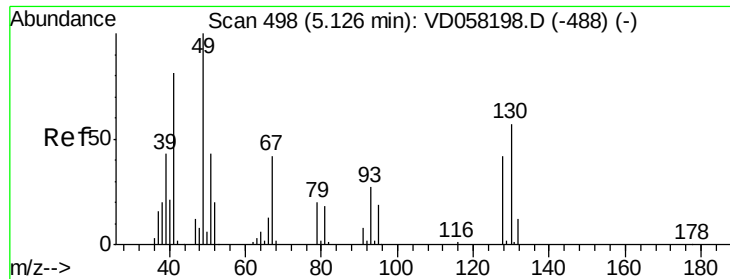
78 100

77 21.6 18.5 27.7



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





#41

Methacrylonitrile

Concen: 19.79 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 41 Resp: 62407

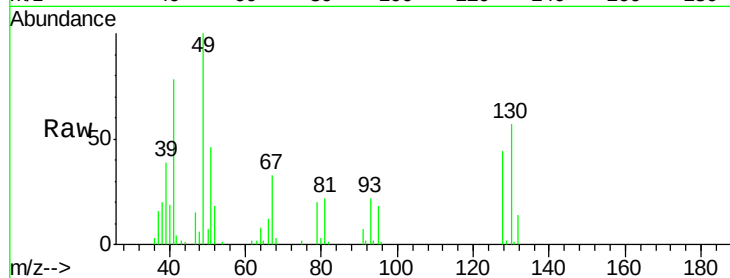
Ion Ratio Lower Upper

41 100

39 50.5 43.4 65.2

67 42.5 41.7 62.5

52 23.8 20.6 30.8

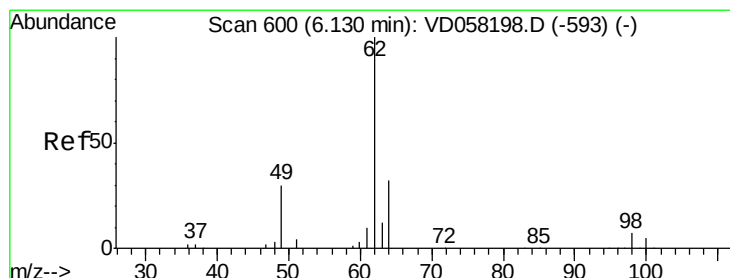
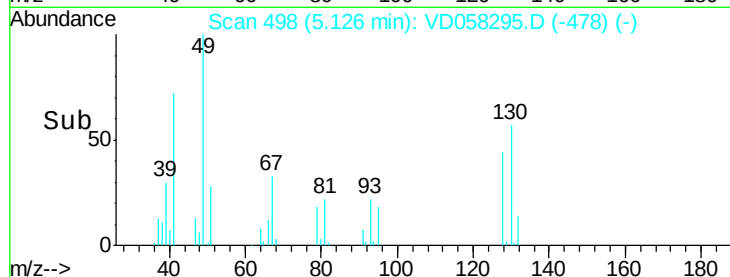
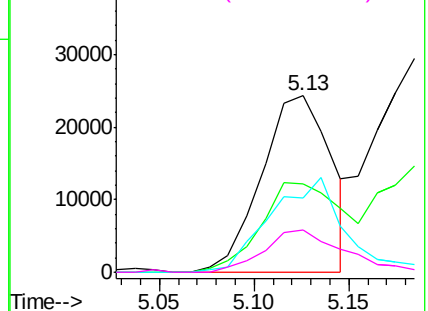


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.76 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.01 min

Lab File: VD058295.D

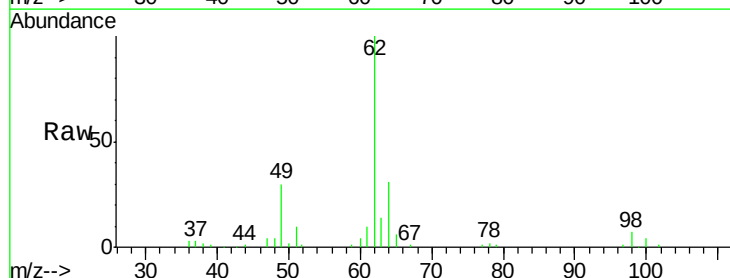
Acq: 22 Jun 2018 14:17

Tgt Ion: 62 Resp: 250592

Ion Ratio Lower Upper

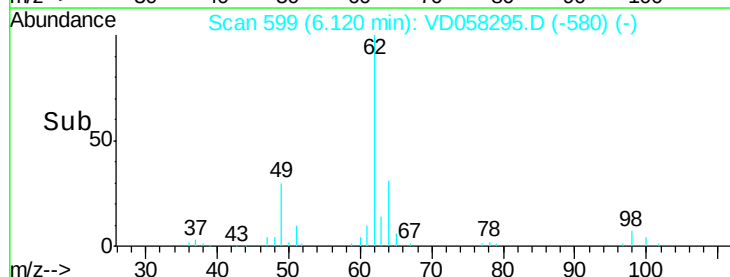
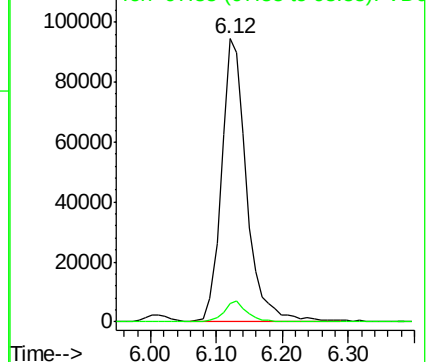
62 100

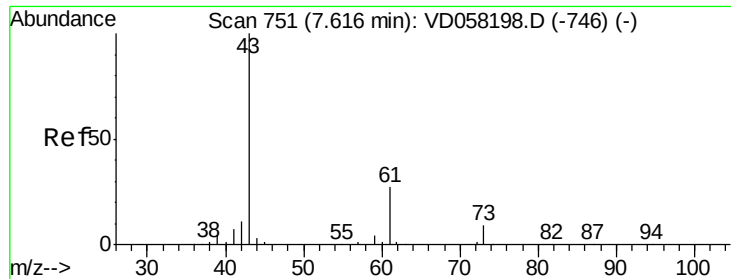
98 6.7 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



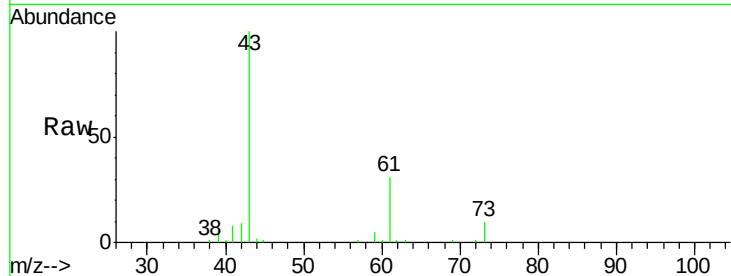


#43

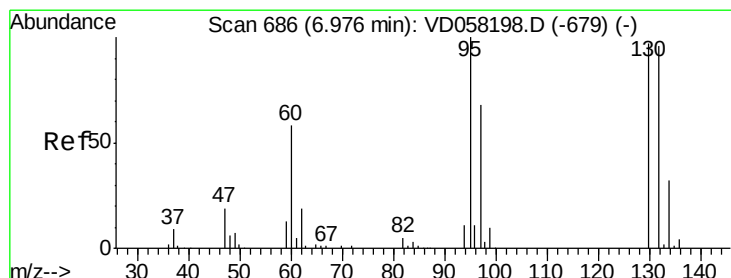
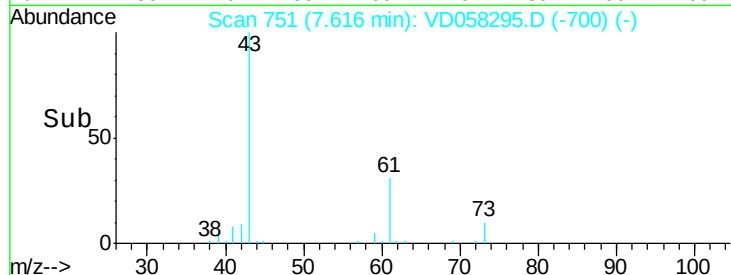
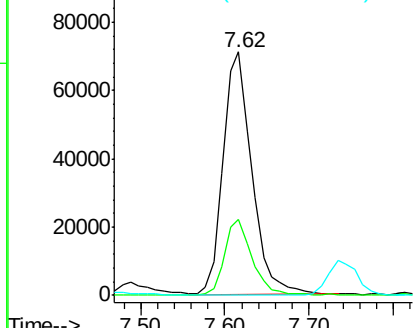
Isopropyl Acetate
 Concen: 19.28 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion: 43 Resp: 167866
 Ion Ratio Lower Upper
 43 100
 61 31.3 21.8 32.6
 87 0.0 0.3 0.5#



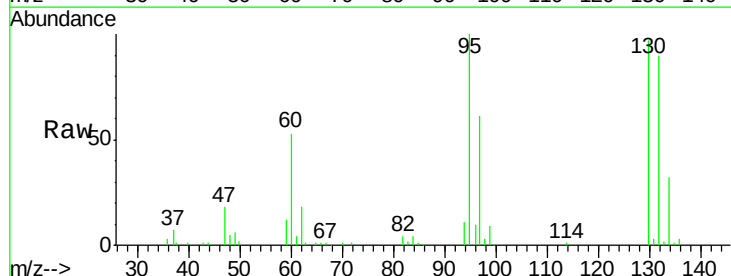
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



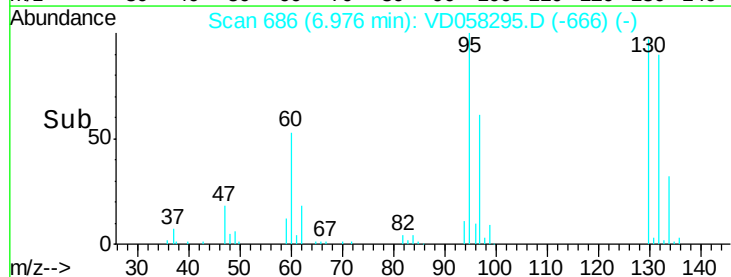
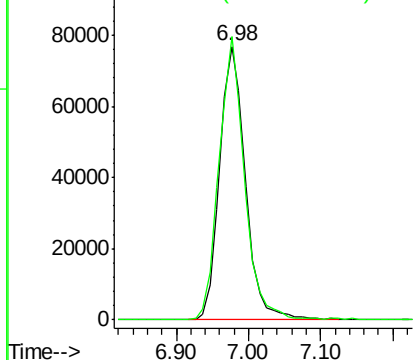
#44

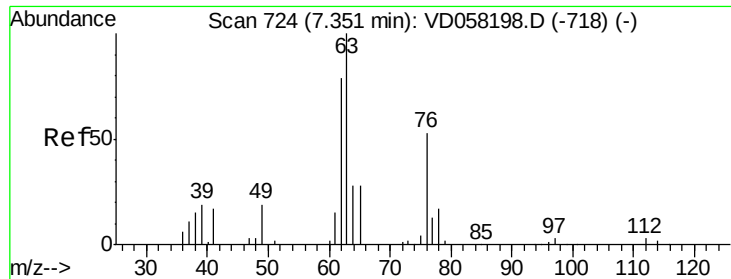
Trichloroethene
 Concen: 23.14 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Tgt Ion:130 Resp: 189770
 Ion Ratio Lower Upper
 130 100
 95 103.5 0.0 205.6



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

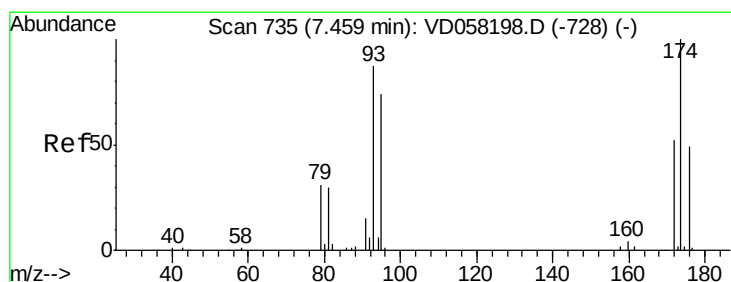
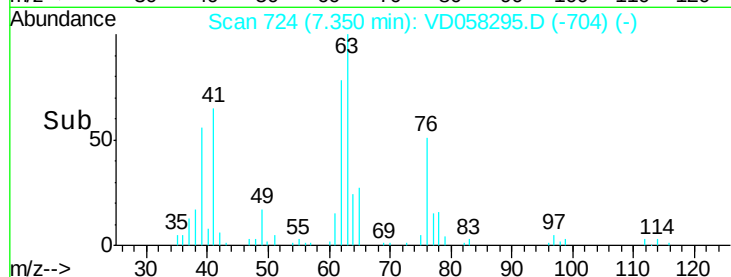
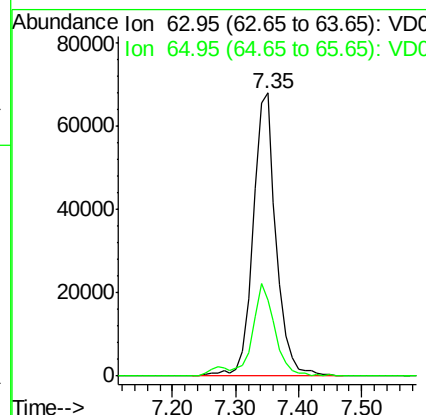
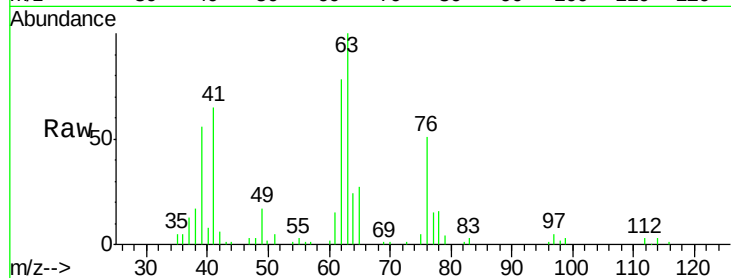




#45
 1,2-Dichloropropane
 Concen: 23.42 ug/l
 RT: 7.35 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

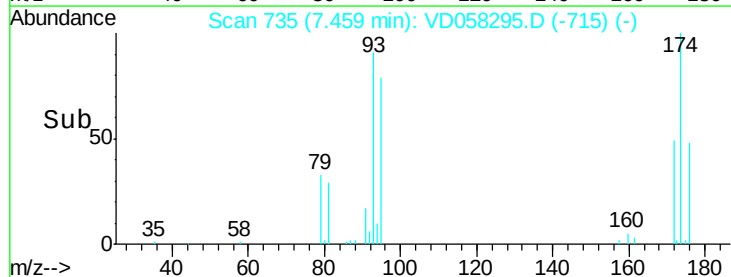
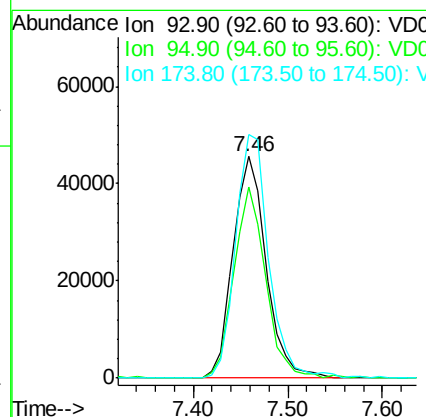
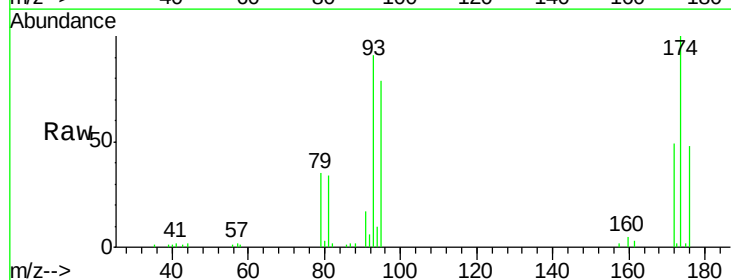
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

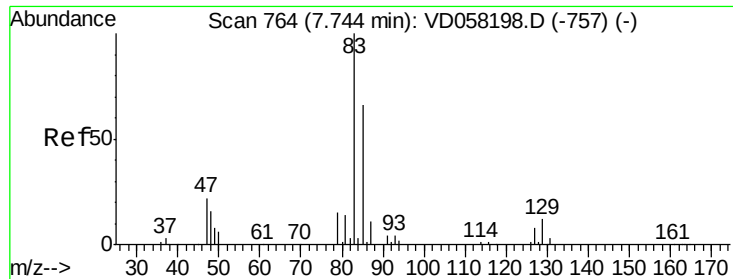
Tot Ion: 63 Resp: 172268
 Ion Ratio Lower Upper
 63 100
 65 27.1 24.0 36.0



#46
 Dibromomethane
 Concen: 22.02 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Tgt Ion: 93 Resp: 110532
 Ion Ratio Lower Upper
 93 100
 95 86.4 67.8 101.6
 174 109.8 92.2 138.2





#47

Bromodichloromethane

Concen: 22.55 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

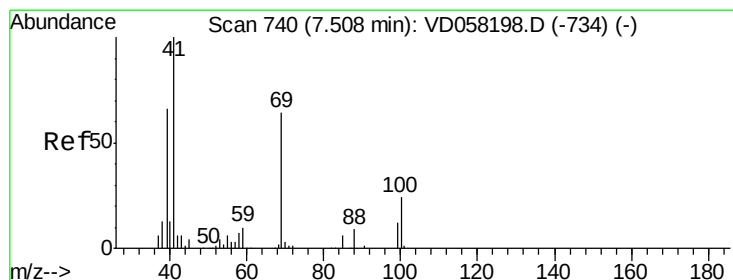
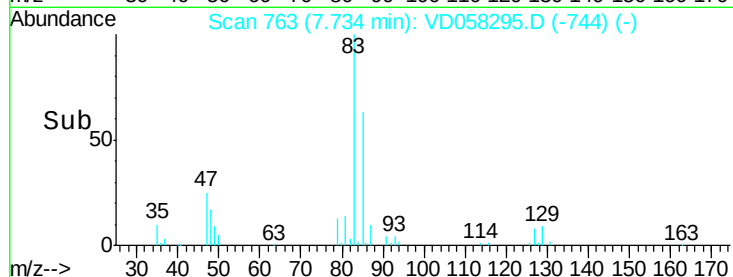
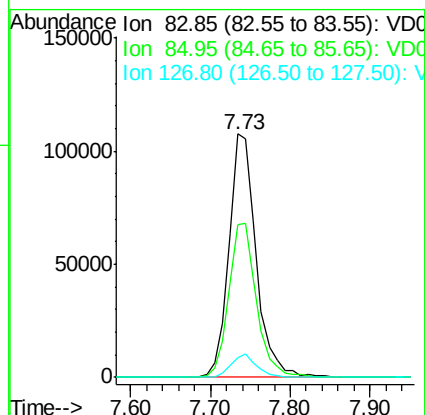
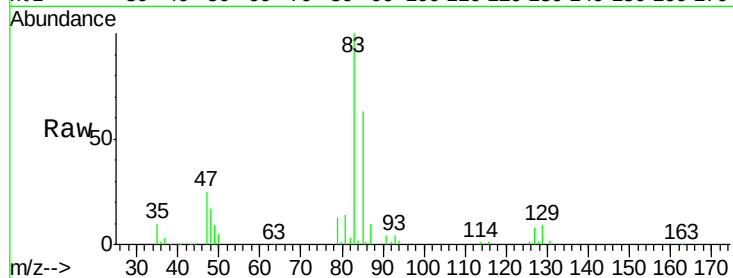
Tot Ion: 83 Resp: 258166

Ion Ratio Lower Upper

83 100

85 62.9 52.6 78.8

127 8.0 6.2 9.4



#48

Methyl methacrylate

Concen: 18.70 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

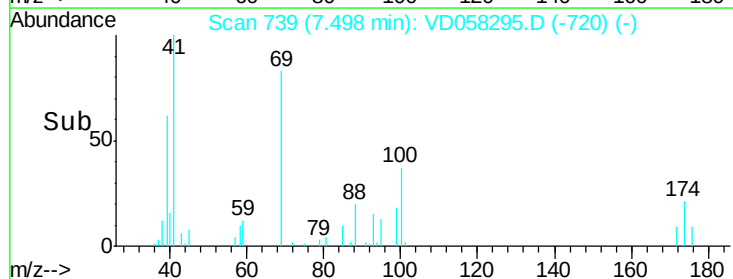
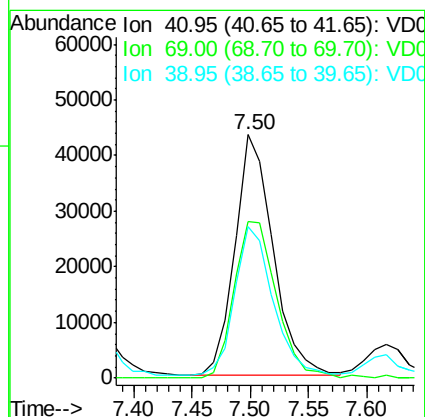
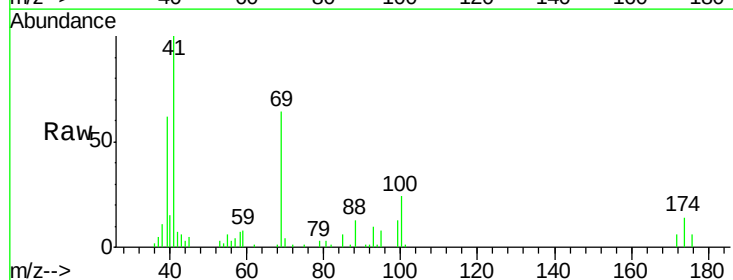
Tgt Ion: 41 Resp: 98958

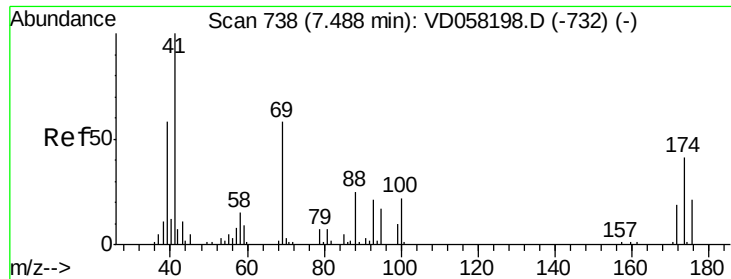
Ion Ratio Lower Upper

41 100

69 64.2 50.7 76.1

39 62.2 52.6 78.8





#49

1,4-Dioxane

Concen: 410.67 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

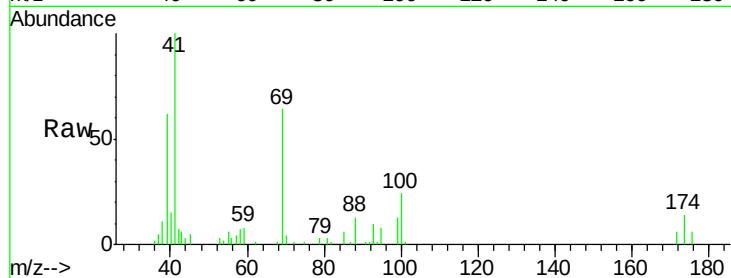
Tot Ion: 88 Resp: 19620

Ion Ratio Lower Upper

88 100

43 49.8 34.2 51.2

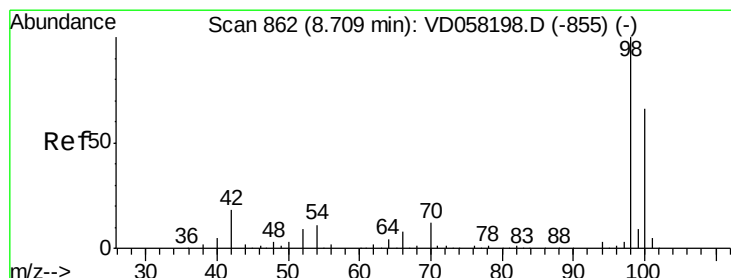
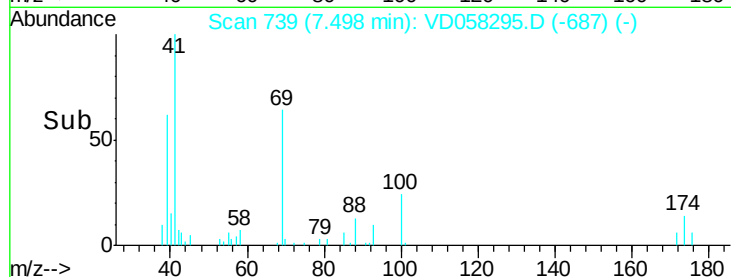
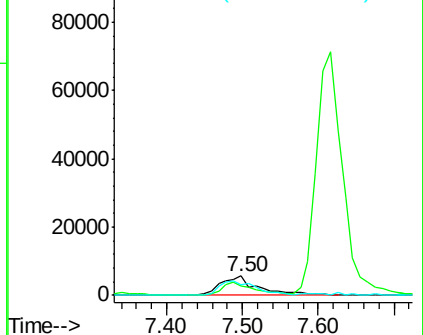
58 53.0 47.9 71.9



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: 410.67 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058295.D

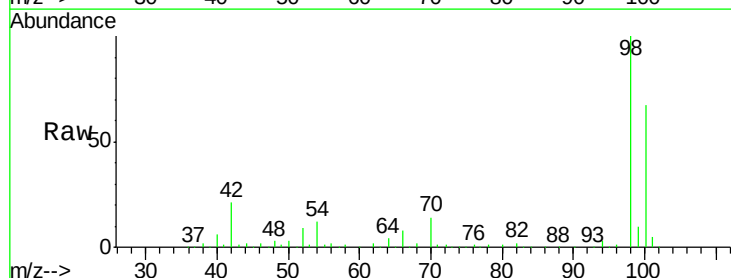
Acq: 22 Jun 2018 14:17

Tgt Ion: 98 Resp: 1239344

Ion Ratio Lower Upper

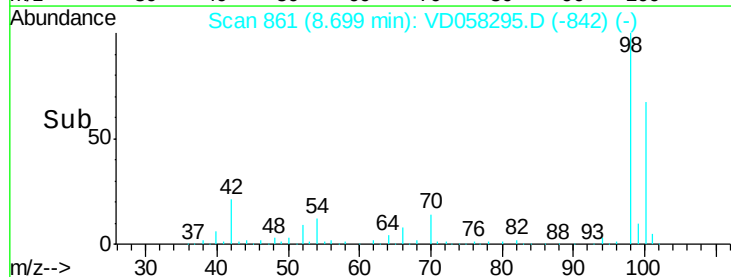
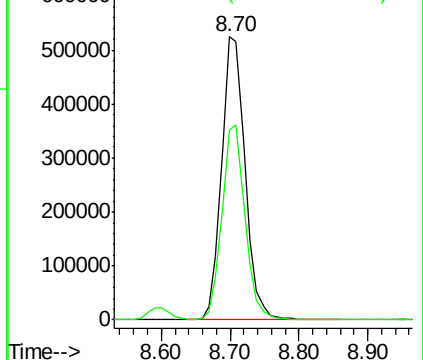
98 100

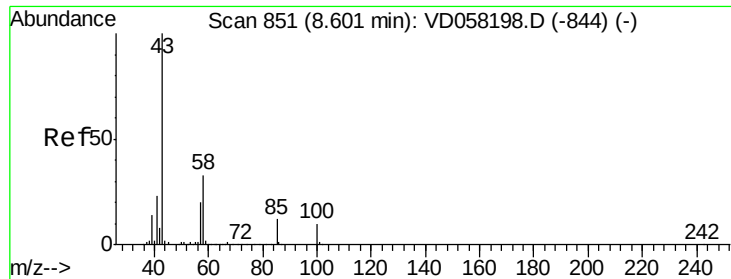
100 67.2 53.6 80.4



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: 102.25 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

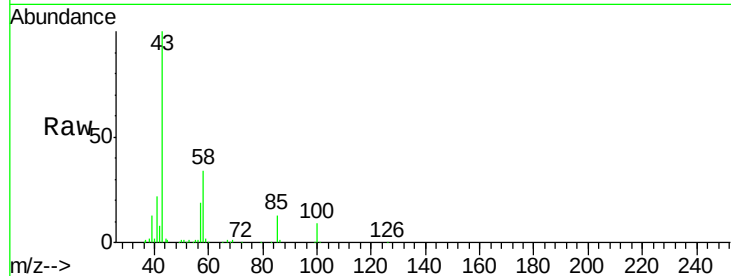
VD0622SBS01

Tot Ion: 43 Resp: 580815

Ion Ratio Lower Upper

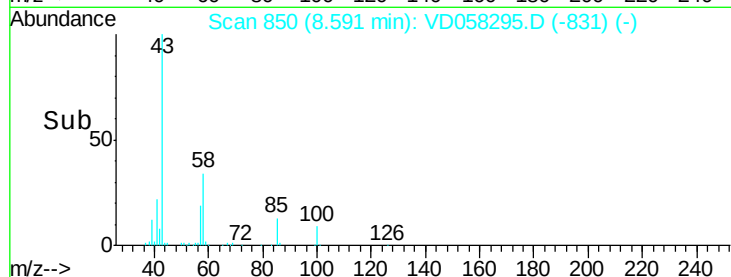
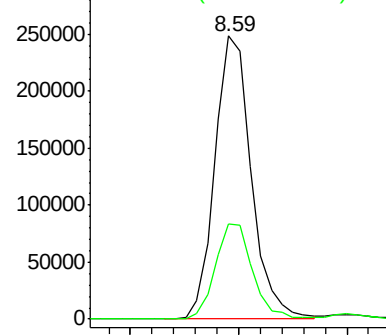
43 100

58 33.7 26.7 40.1

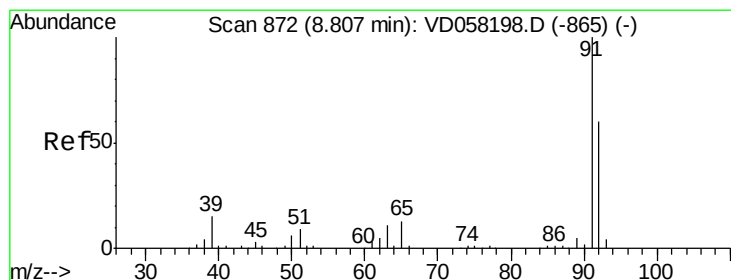


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#52

Toluene

Concen: 22.80 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058295.D

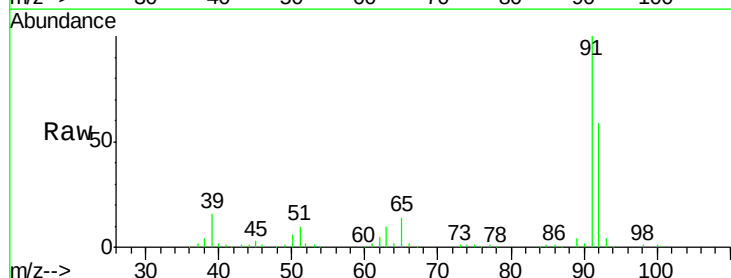
Acq: 22 Jun 2018 14:17

Tgt Ion: 92 Resp: 354465

Ion Ratio Lower Upper

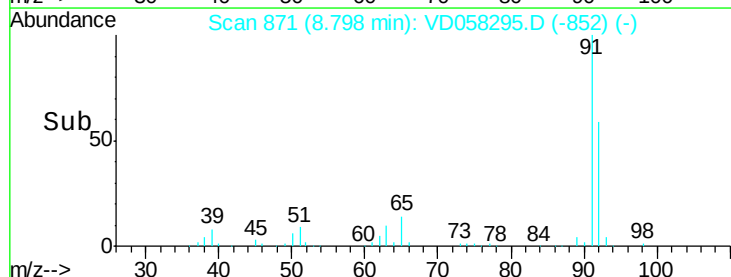
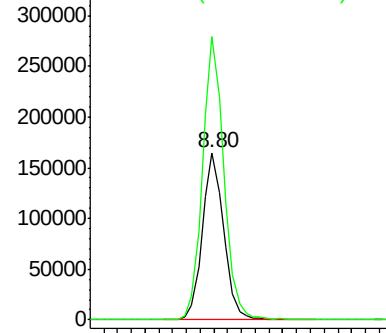
92 100

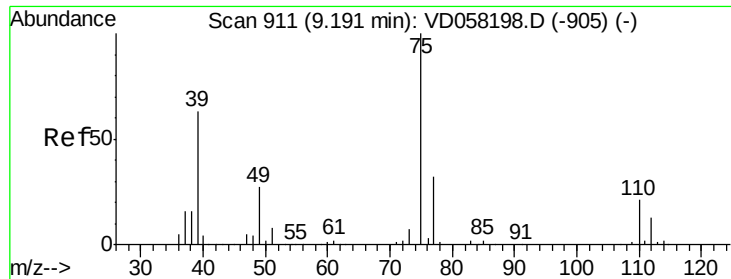
91 169.4 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

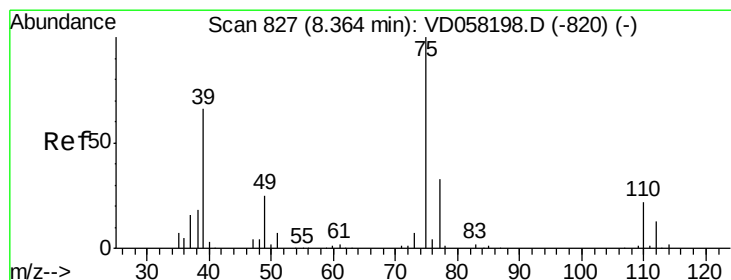
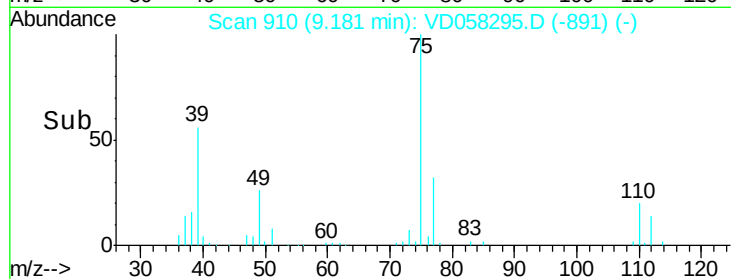
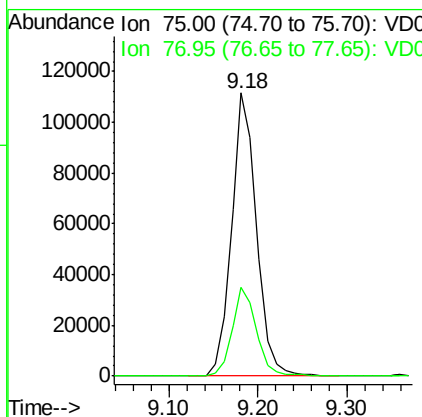
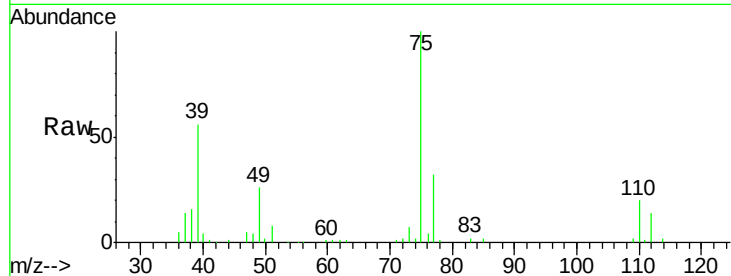




#53
 t-1,3-Dichloropropene
 Concen: 21.94 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

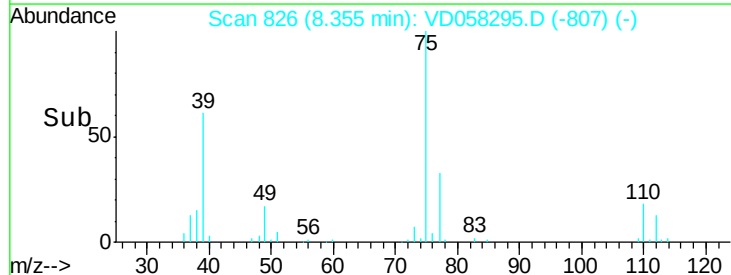
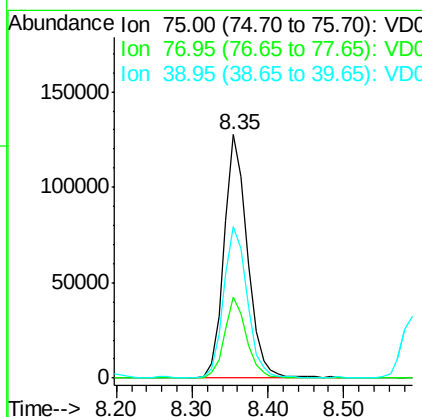
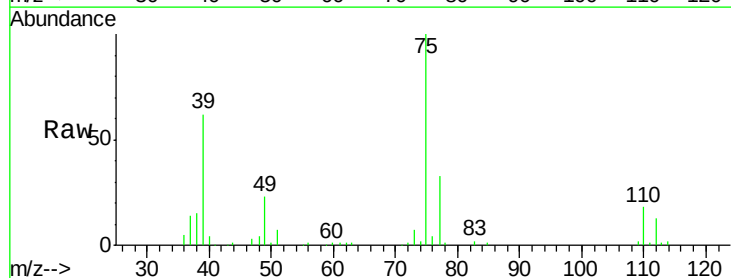
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

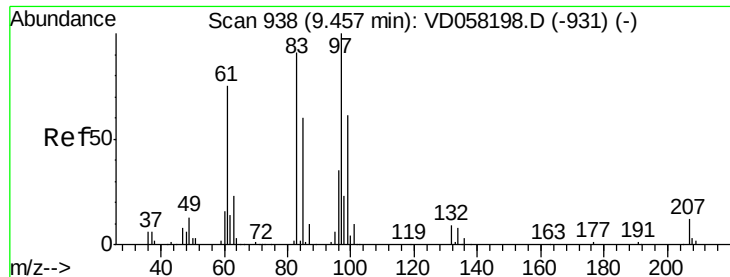
Tot Ion: 75 Resp: 218428
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 23.31 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Tgt Ion: 75 Resp: 272024
 Ion Ratio Lower Upper
 75 100
 77 33.1 26.5 39.7
 39 62.2 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 23.07 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

Tot Ion: 97 Resp: 126920

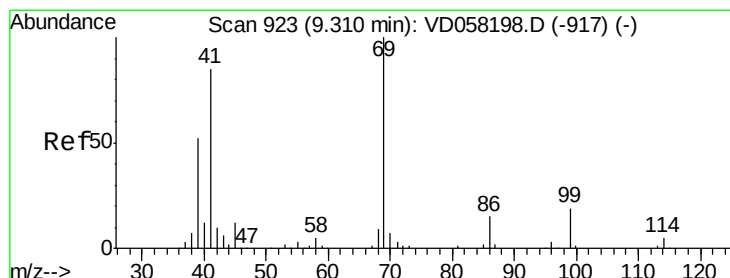
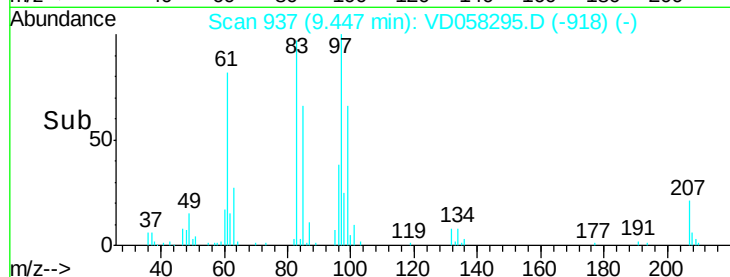
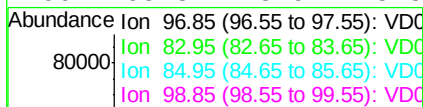
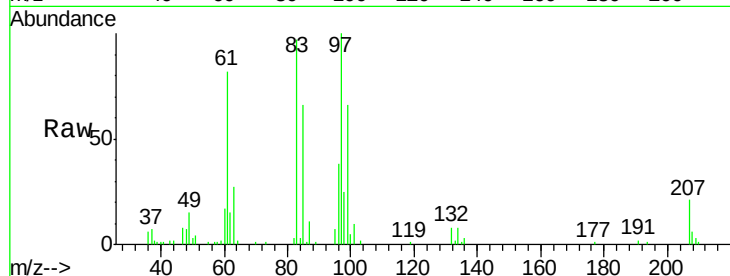
Ion	Ratio	Lower	Upper
97	100		
83	97.0	72.9	109.3
85	65.9	48.2	72.4
99	65.8	48.9	73.3

97 100

83 97.0 72.9 109.3

85 65.9 48.2 72.4

99 65.8 48.9 73.3



#56

Ethyl methacrylate

Concen: 21.55 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

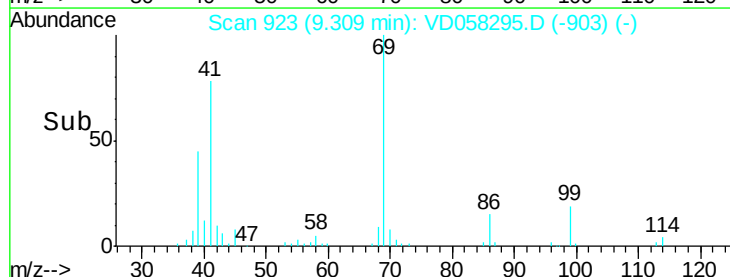
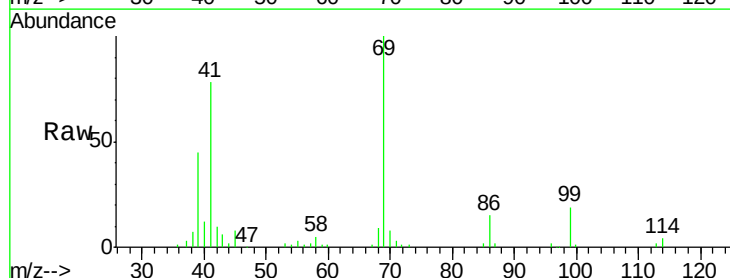
Tgt Ion: 69 Resp: 141776

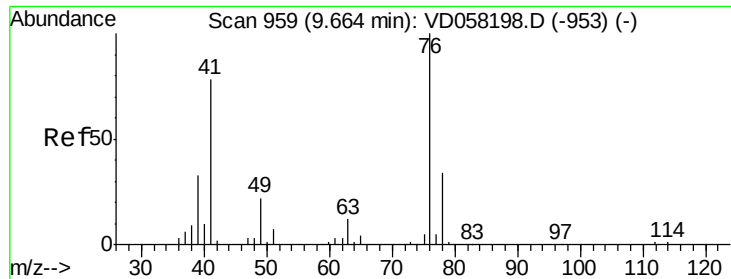
Ion	Ratio	Lower	Upper
69	100		
41	77.5	67.6	101.4
39	45.4	42.2	63.2

69 100

41 77.5 67.6 101.4

39 45.4 42.2 63.2

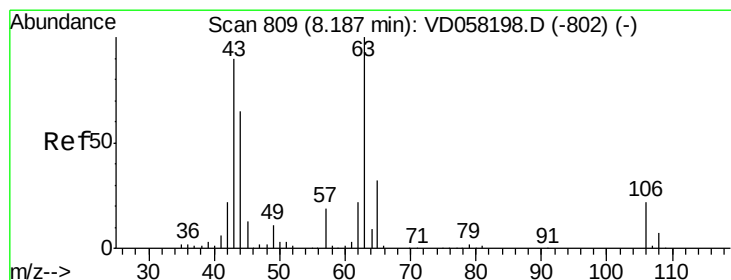
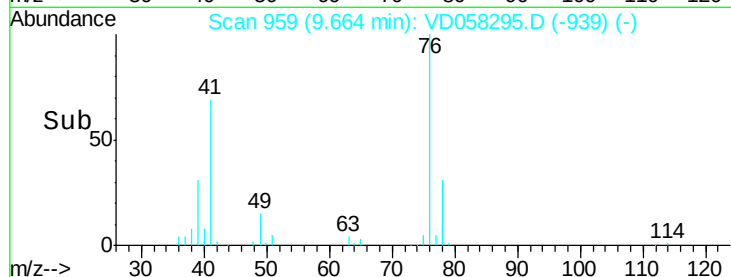
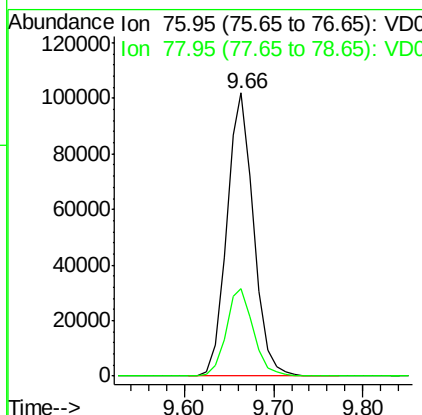
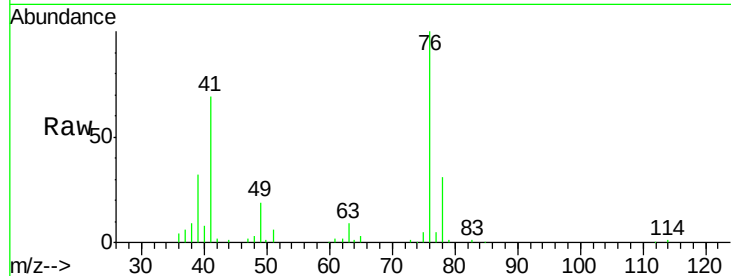




#57
 1,3-Dichloropropane
 Concen: 23.11 ug/l
 RT: 9.66 min Scan# 959
 Delta R.T. -0.00 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

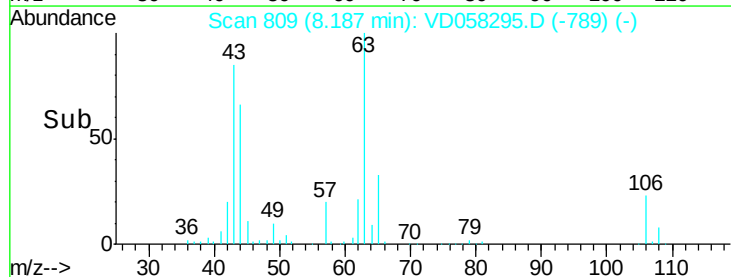
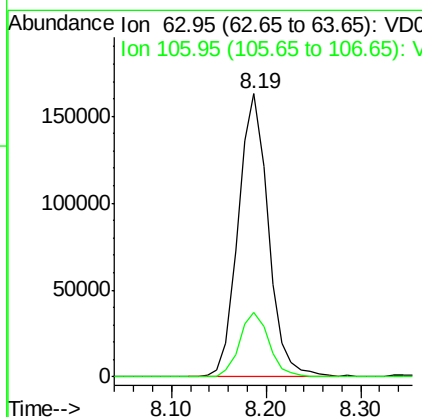
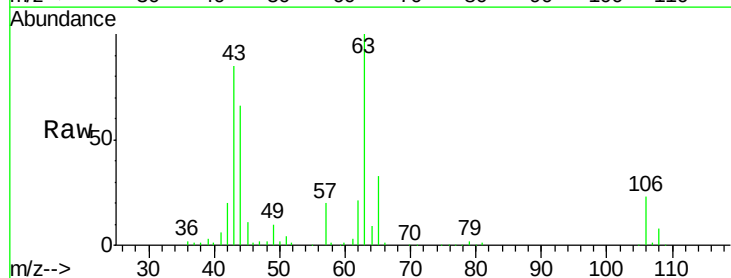
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

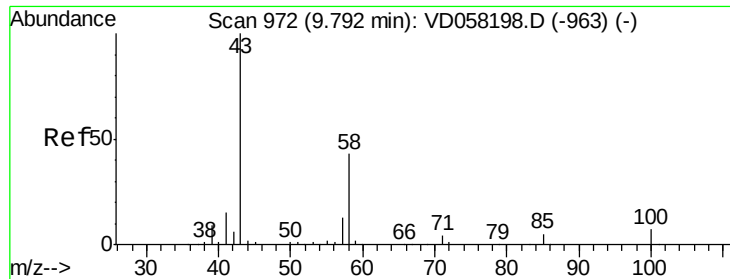
Tot Ion: 76 Resp: 214163
 Ion Ratio Lower Upper
 76 100
 78 31.1 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.27 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Tgt Ion: 63 Resp: 359192
 Ion Ratio Lower Upper
 63 100
 106 22.6 18.0 27.0

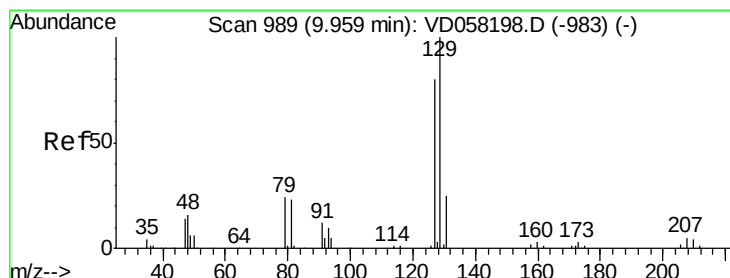
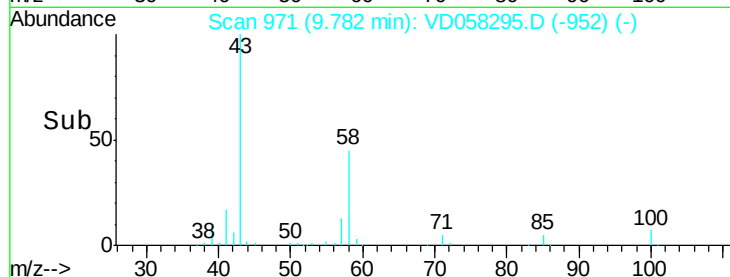
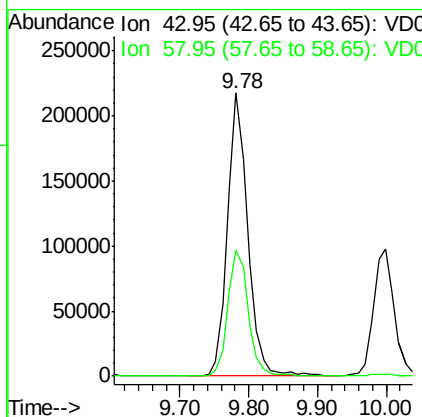
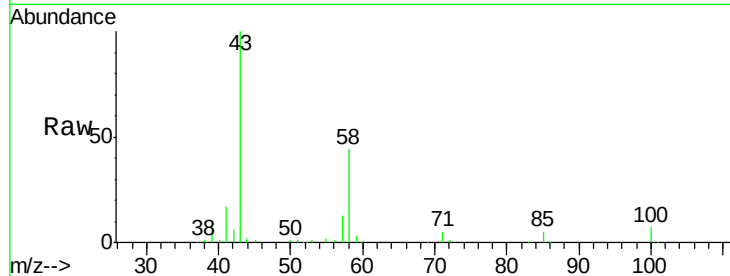




#59
2-Hexanone
Concen: 108.58 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

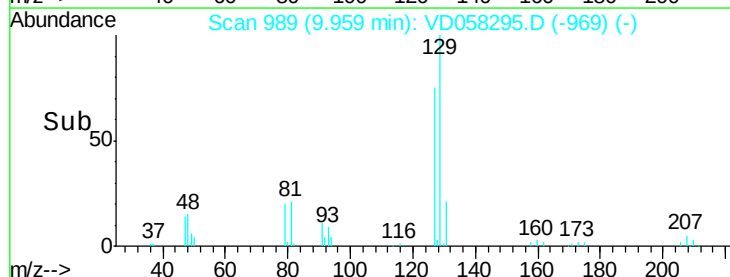
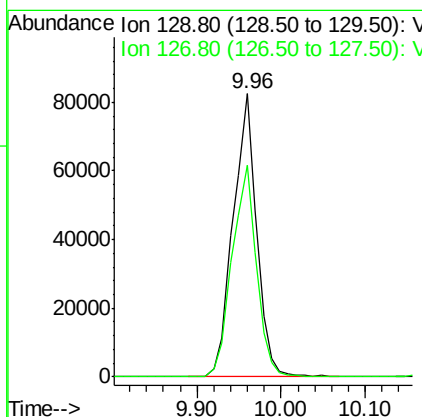
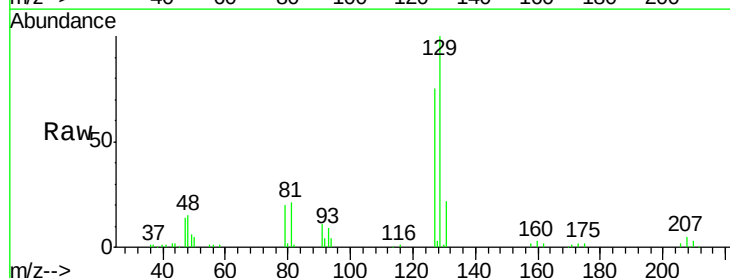
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

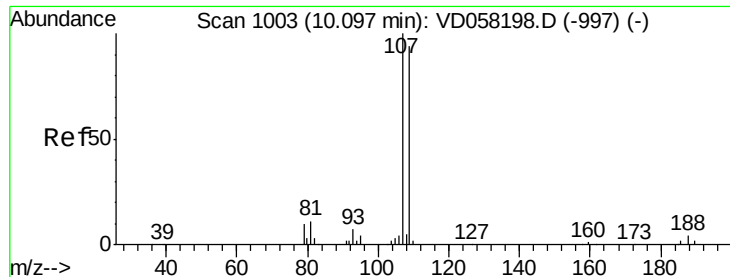
Tot Ion: 43 Resp: 445658
Ion Ratio Lower Upper
43 100
58 44.3 21.7 65.1



#60
Dibromochloromethane
Concen: 21.52 ug/l
RT: 9.96 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

Tgt Ion: 129 Resp: 160671
Ion Ratio Lower Upper
129 100
127 74.8 39.8 119.4





#61

1,2-Dibromoethane

Concen: 22.28 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

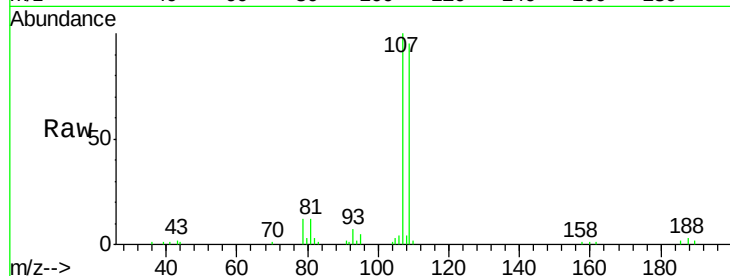
VD0622SBSD01

Tot Ion:107 Resp: 134182

Ion Ratio Lower Upper

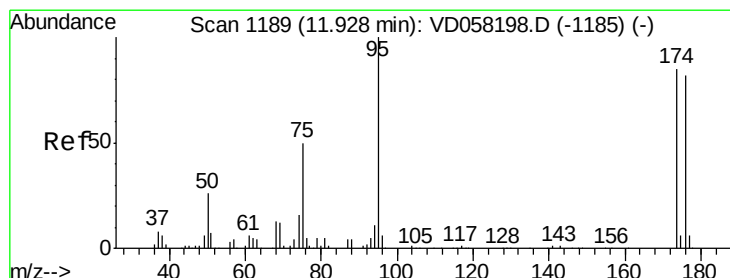
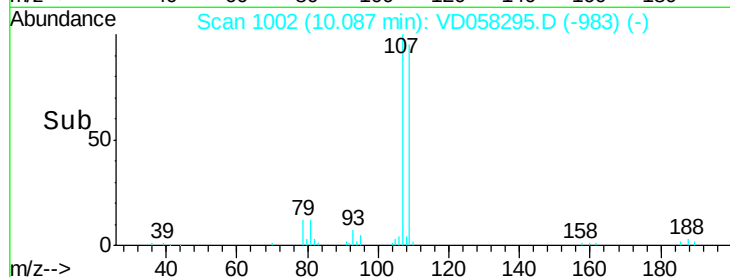
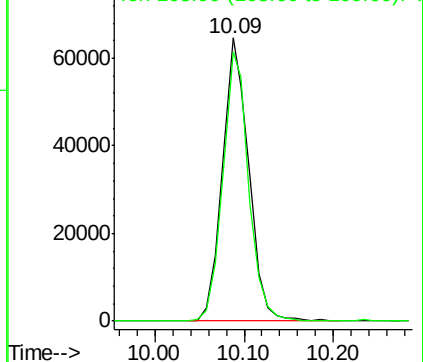
107 100

109 95.1 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.28 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

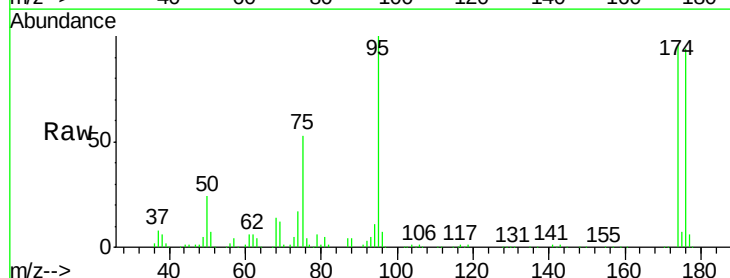
Tgt Ion: 95 Resp: 490042

Ion Ratio Lower Upper

95 100

174 96.3 0.0 170.2

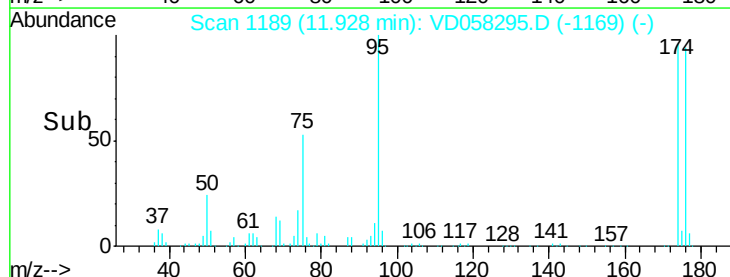
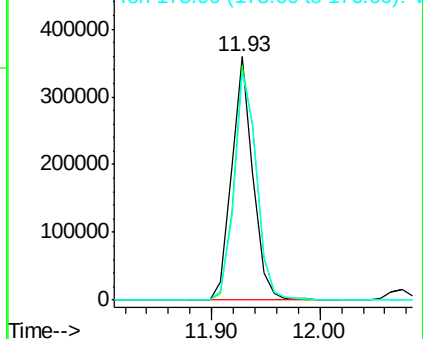
176 93.7 0.0 164.6

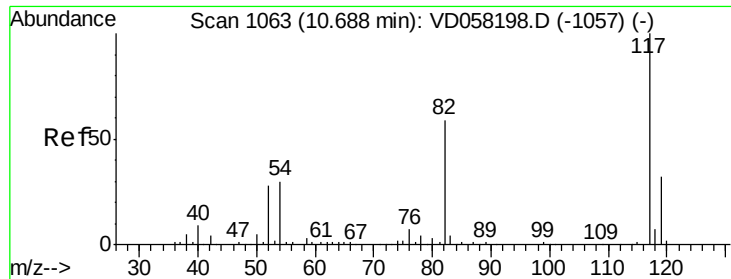


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

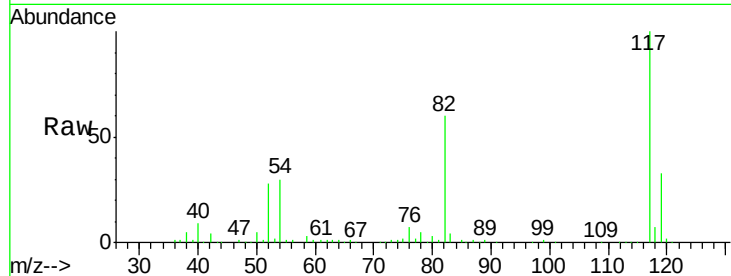




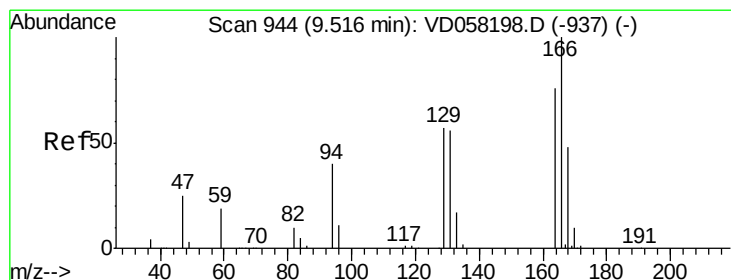
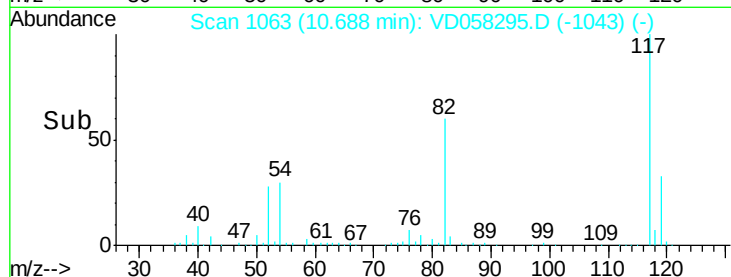
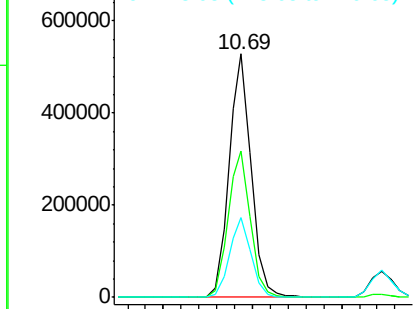
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion:117 Resp: 921300
Ion Ratio Lower Upper
117 100
82 60.2 47.0 70.6
119 32.6 25.3 37.9

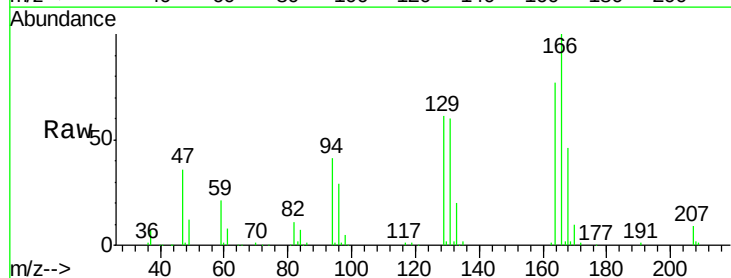


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

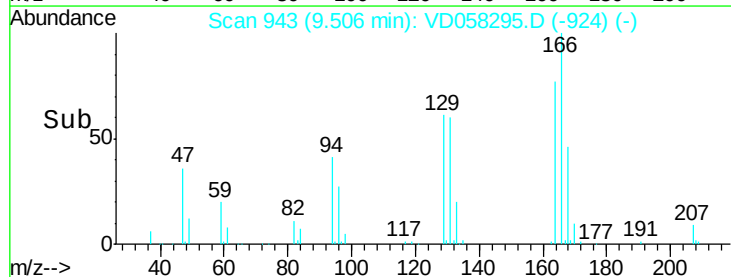
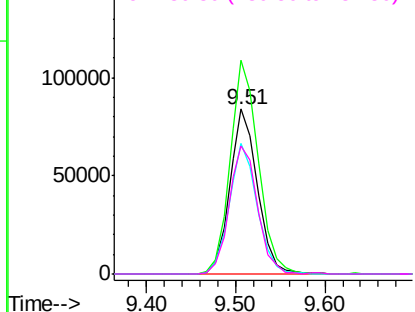


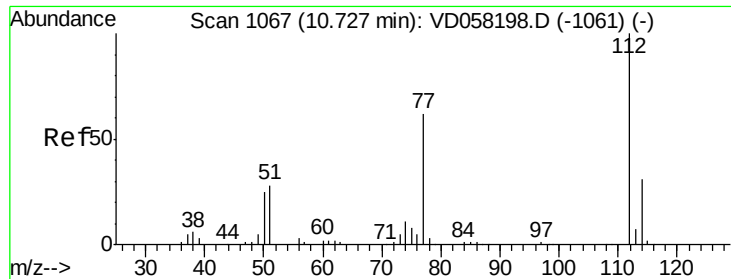
#64
Tetrachloroethene
Concen: 23.47 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

Tgt Ion:164 Resp: 181933
Ion Ratio Lower Upper
164 100
166 129.7 105.4 158.0
129 79.0 59.6 89.4
131 78.0 59.4 89.2



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

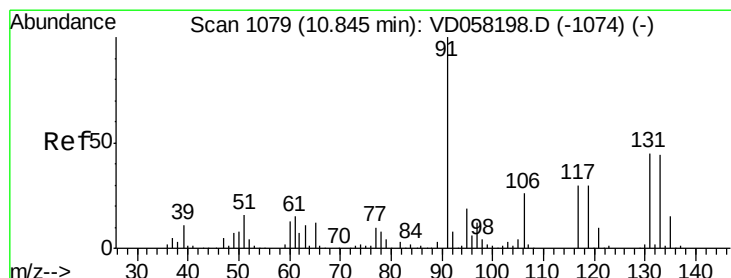
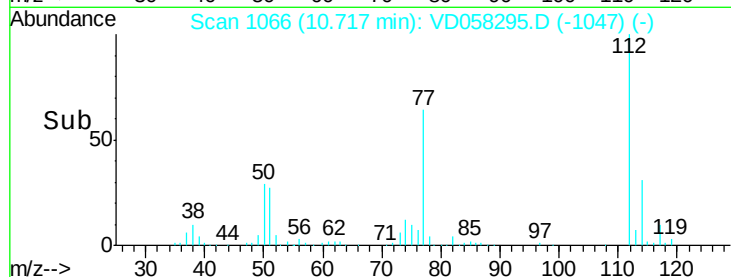
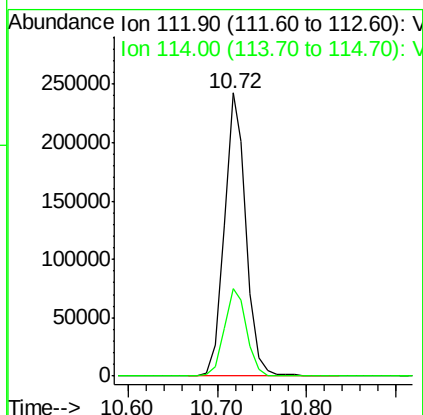
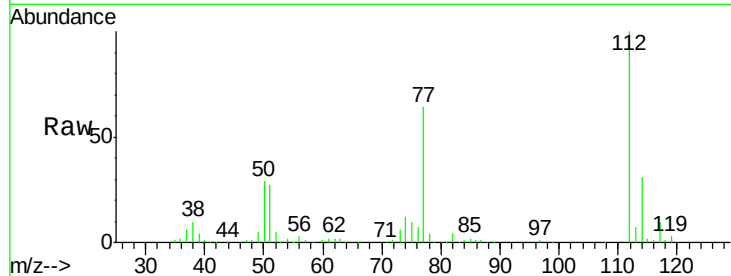




#65
Chlorobenzene
Concen: 24.00 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

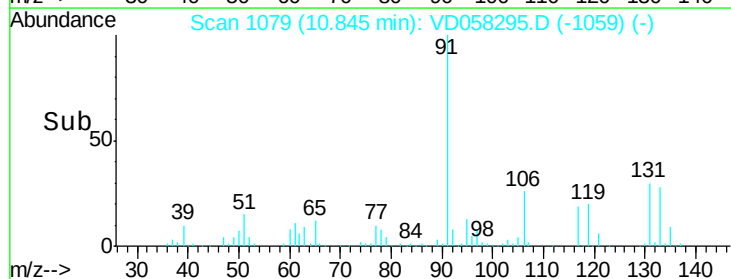
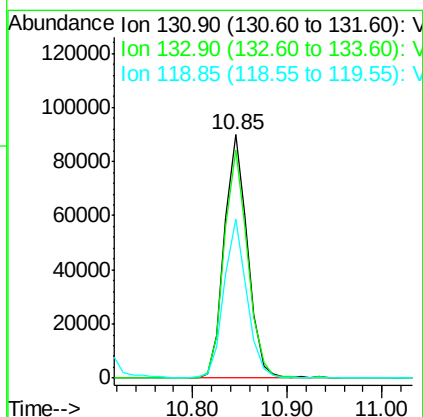
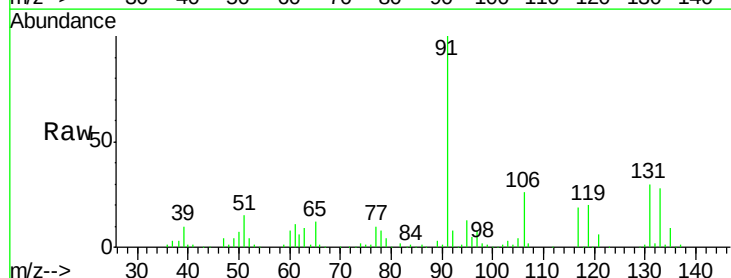
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

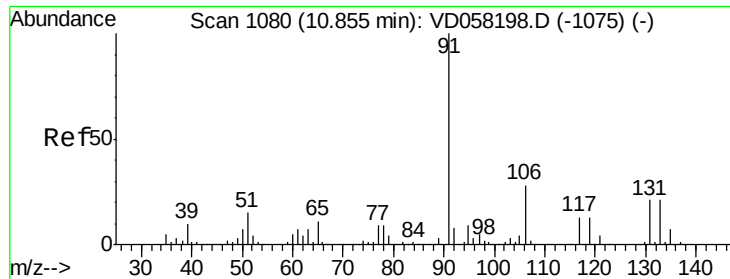
Tot Ion:112 Resp: 413550
Ion Ratio Lower Upper
112 100
114 31.1 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.95 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

Tgt Ion:131 Resp: 152643
Ion Ratio Lower Upper
131 100
133 93.8 48.6 145.9
119 65.1 33.0 99.0

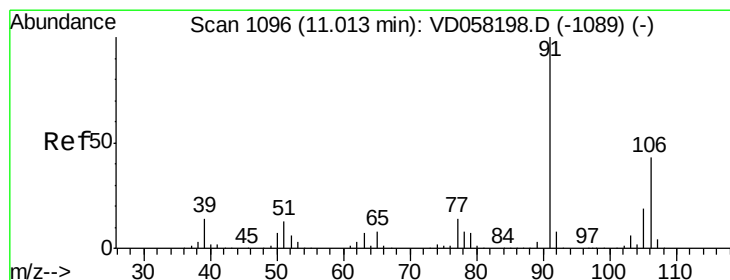
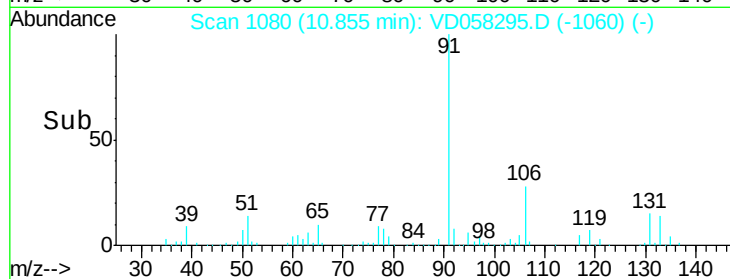
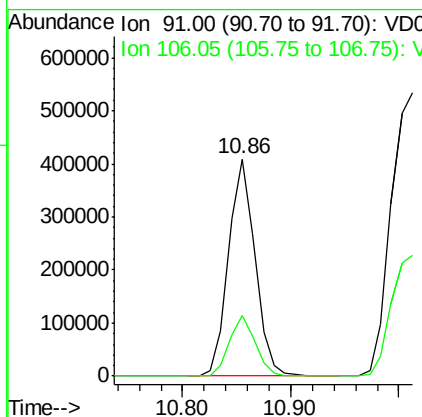
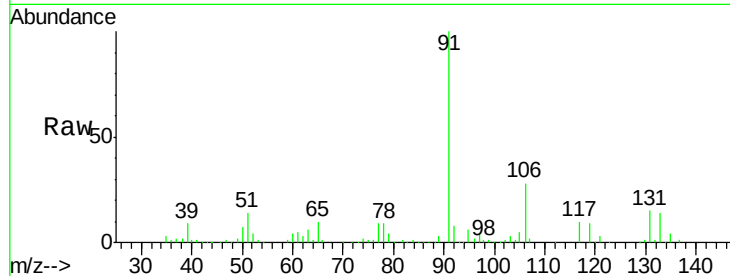




#67
Ethyl Benzene
Concen: 23.03 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

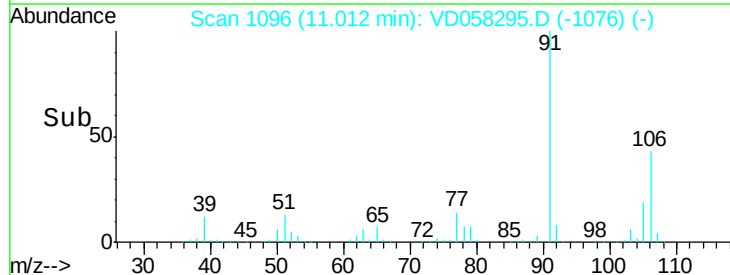
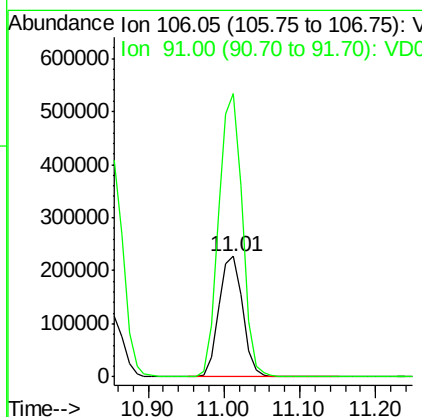
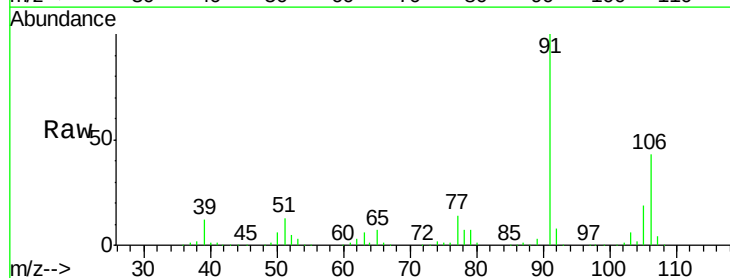
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

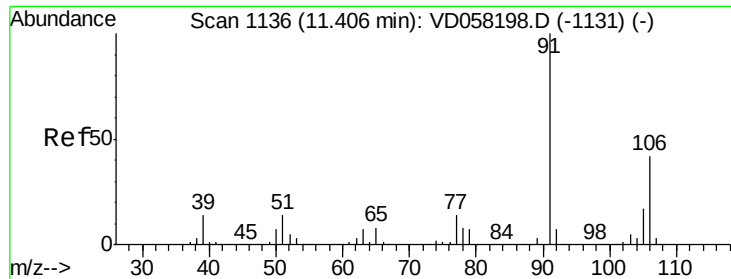
Tot Ion: 91 Resp: 700791
Ion Ratio Lower Upper
91 100
106 28.0 22.0 33.0



#68
m/p-Xylenes
Concen: 49.18 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

Tgt Ion: 106 Resp: 498973
Ion Ratio Lower Upper
106 100
91 235.0 185.0 277.6

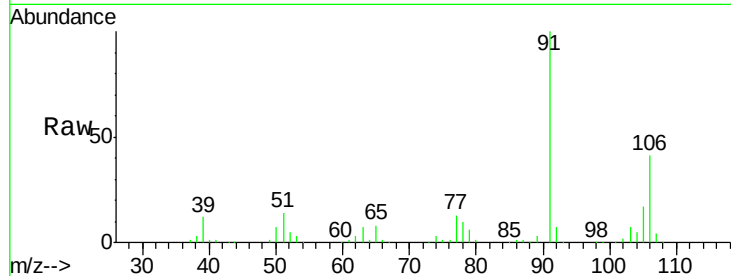




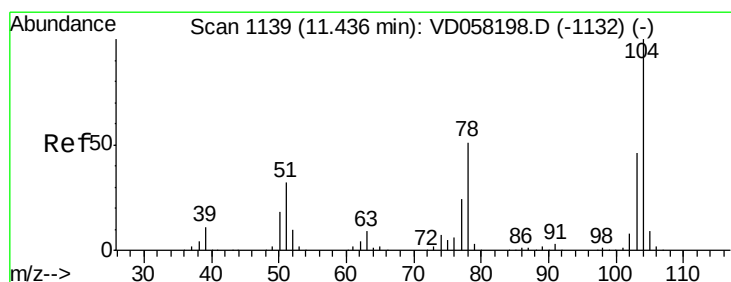
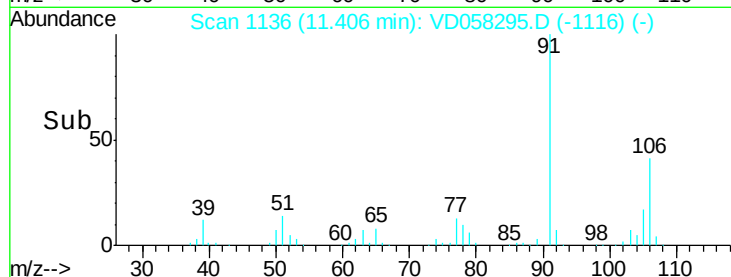
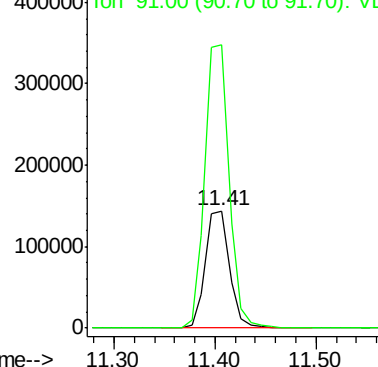
#69
o-Xylene
Concen: 24.71 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion:106 Resp: 239477
Ion Ratio Lower Upper
106 100
91 241.7 120.2 360.6

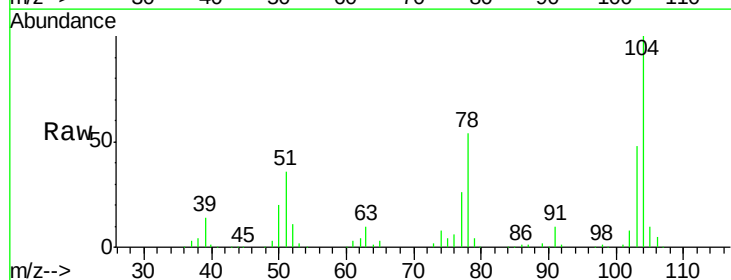


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

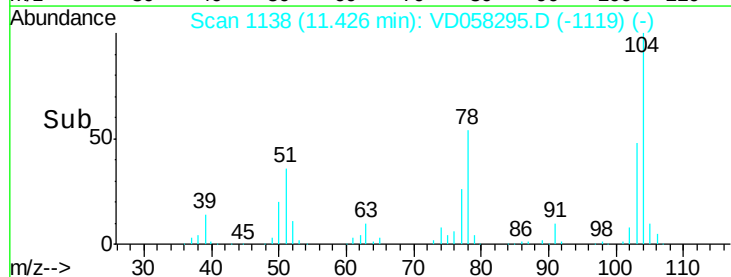
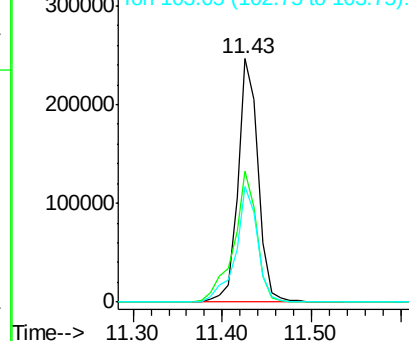


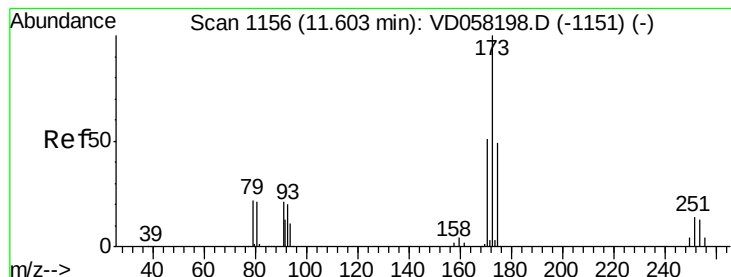
#70
Styrene
Concen: 23.68 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

Tgt Ion:104 Resp: 391589
Ion Ratio Lower Upper
104 100
78 53.7 40.8 61.2
103 47.6 37.0 55.6



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: 20.96 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

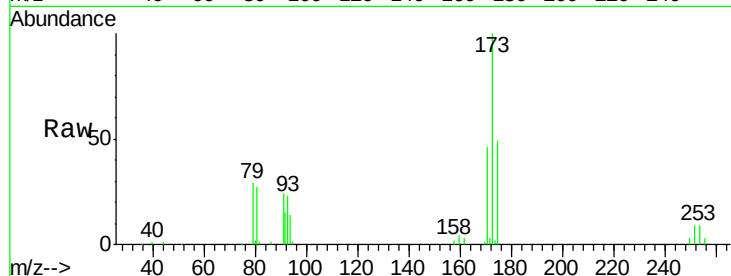
Tot Ion:173 Resp: 111195

Ion Ratio Lower Upper

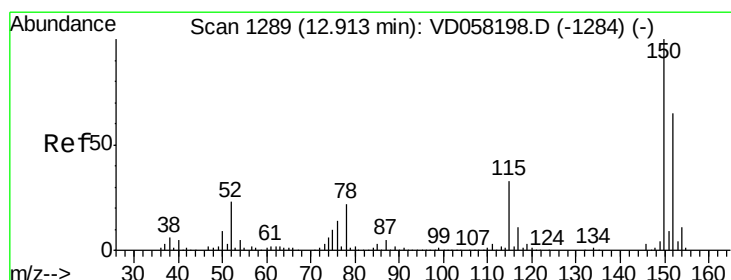
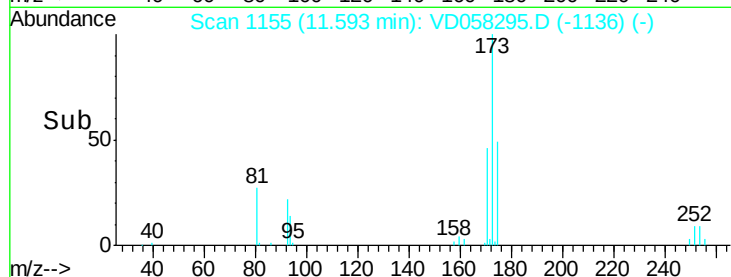
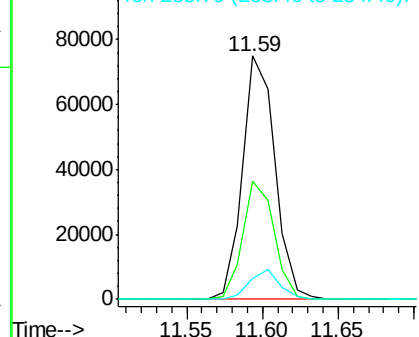
173 100

175 48.6 24.6 74.0

254 8.8 10.3 15.5#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

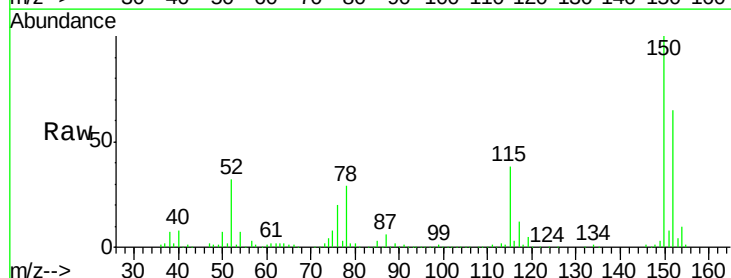
Tgt Ion:152 Resp: 478392

Ion Ratio Lower Upper

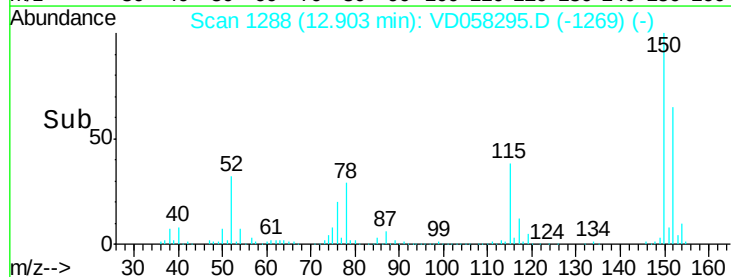
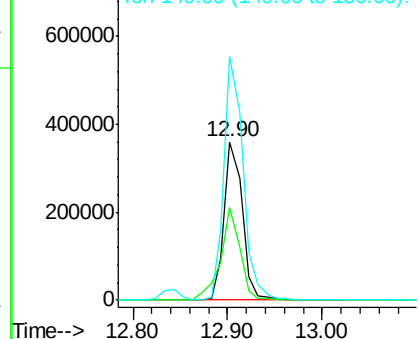
152 100

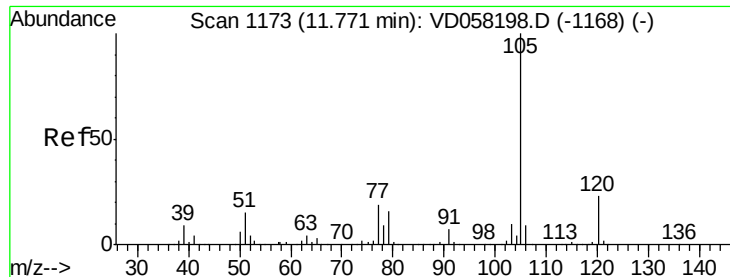
115 58.3 25.1 75.3

150 154.1 0.0 308.8



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: 22.94 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

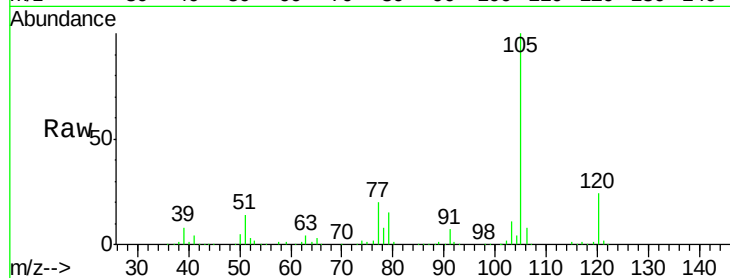
VD0622SBS01

Tot Ion: 105 Resp: 656496

Ion Ratio Lower Upper

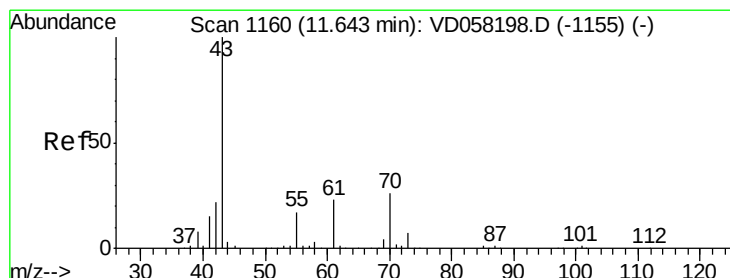
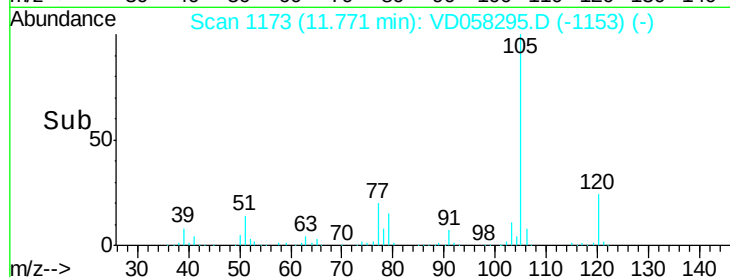
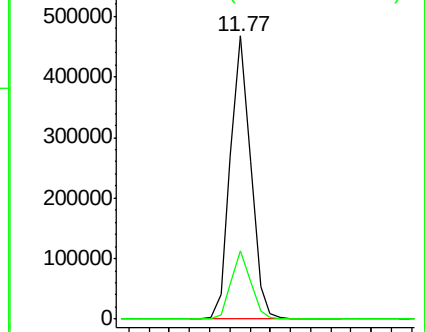
105 100

120 24.1 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.40 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Tgt Ion: 43 Resp: 225726

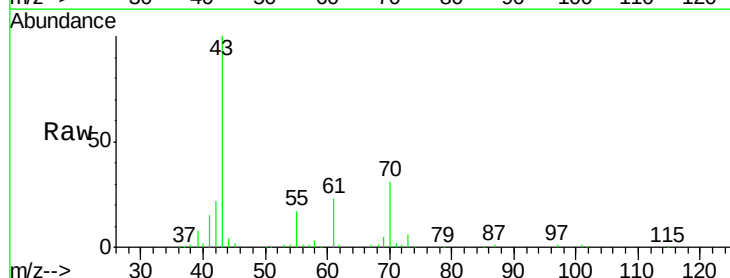
Ion Ratio Lower Upper

43 100

70 30.8 20.9 31.3

55 17.3 13.5 20.3

61 22.5 18.2 27.2

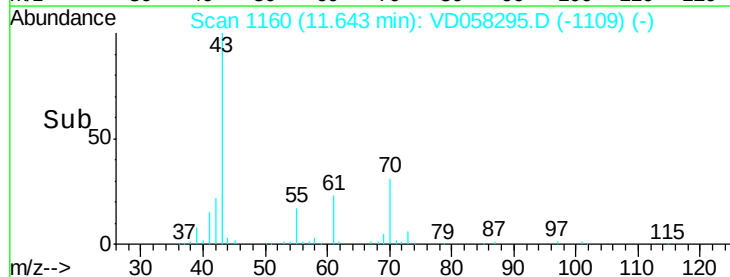
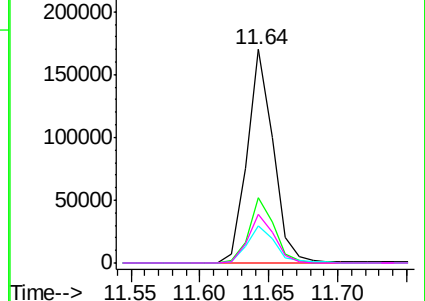


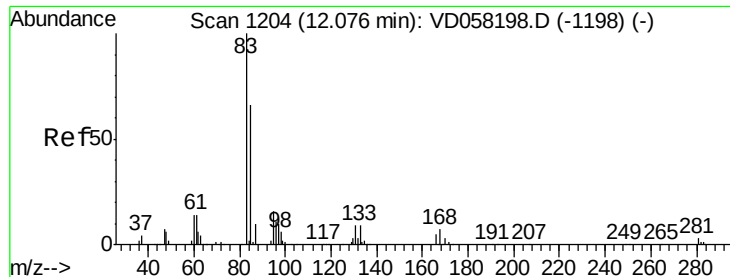
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.16 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

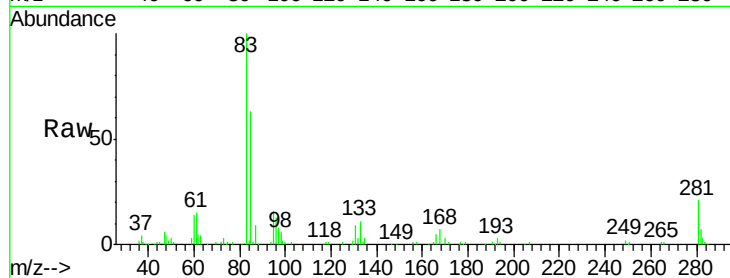
Tot Ion: 83 Resp: 140918

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	63.3	33.1	99.5

83 100

131 9.5 4.8 14.3

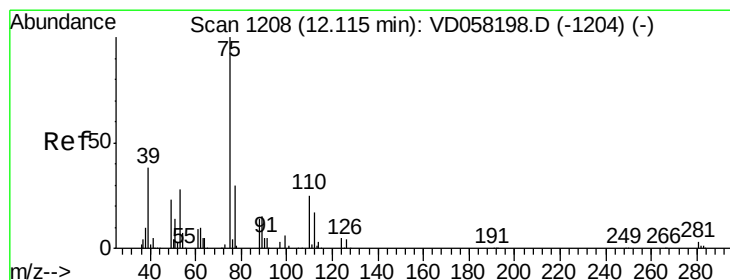
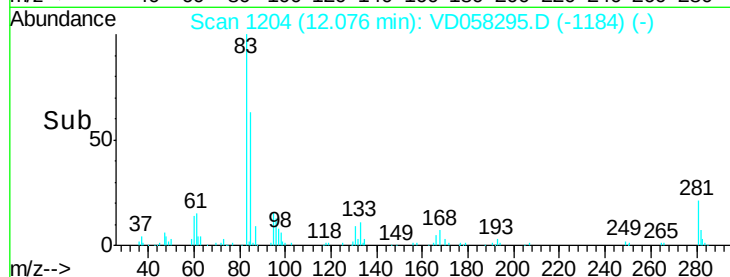
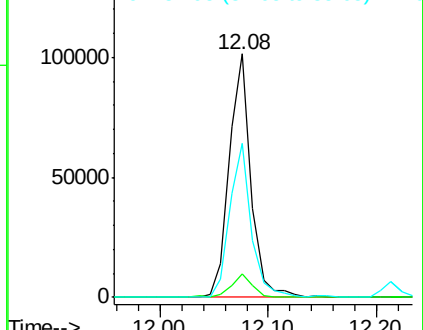
85 63.3 33.1 99.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.24 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD058295.D

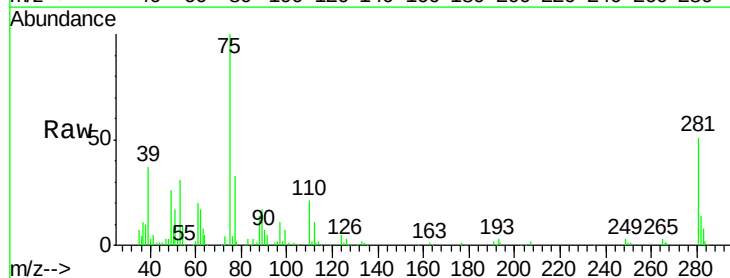
Acq: 22 Jun 2018 14:17

Tgt Ion: 75 Resp: 155310

Ion	Ratio	Lower	Upper
75	100		
77	32.6	16.0	47.9

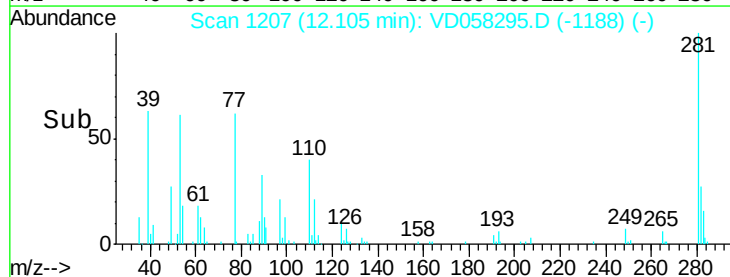
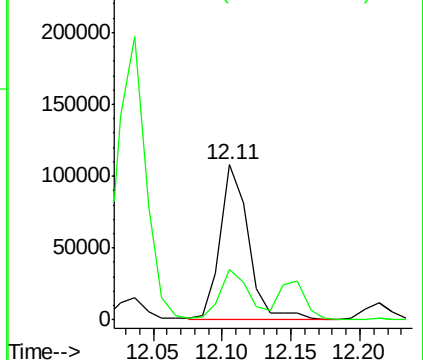
75 100

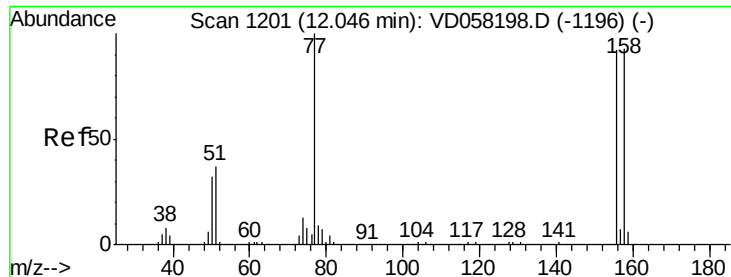
77 32.6 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.85 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

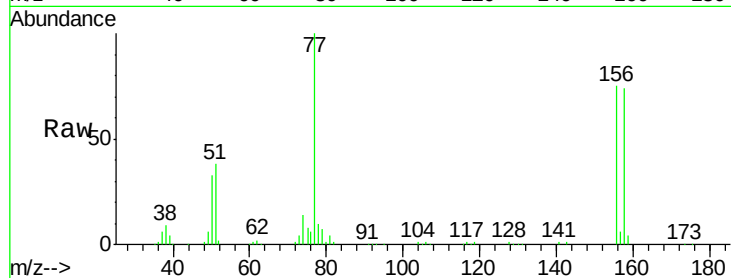
Tot Ion:156 Resp: 195770

Ion Ratio Lower Upper

156 100

77 133.5 54.5 163.6

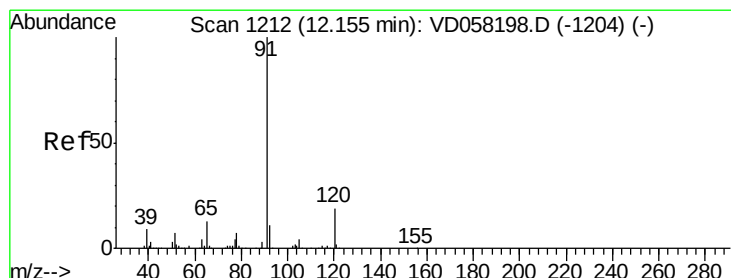
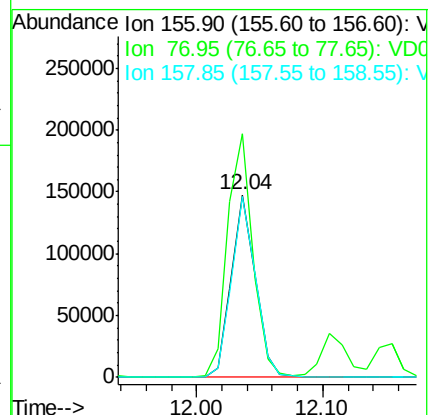
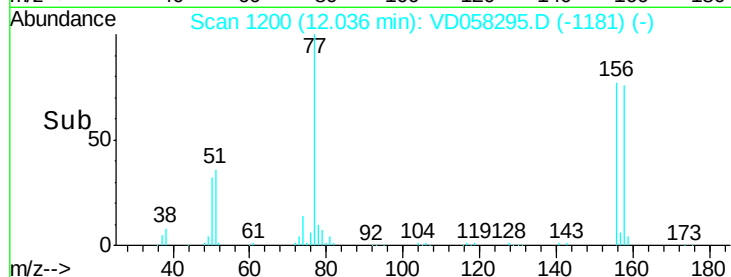
158 98.9 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 24.09 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058295.D

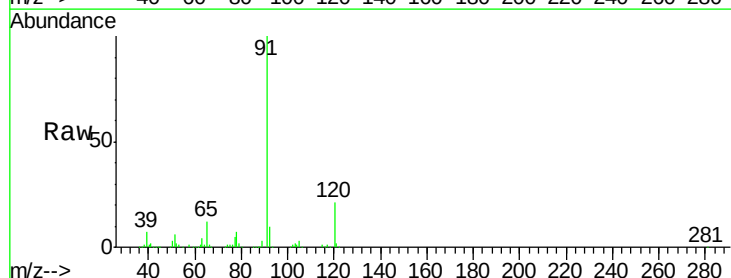
Acq: 22 Jun 2018 14:17

Tgt Ion: 91 Resp: 890218

Ion Ratio Lower Upper

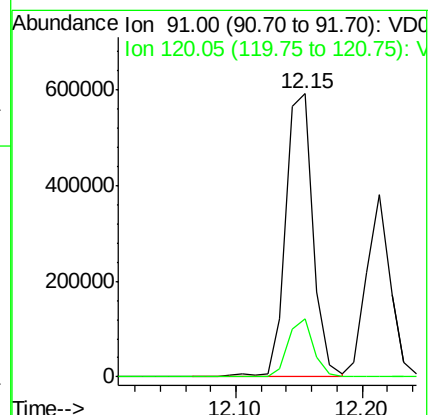
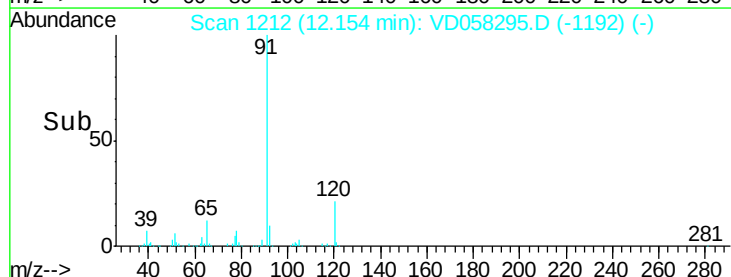
91 100

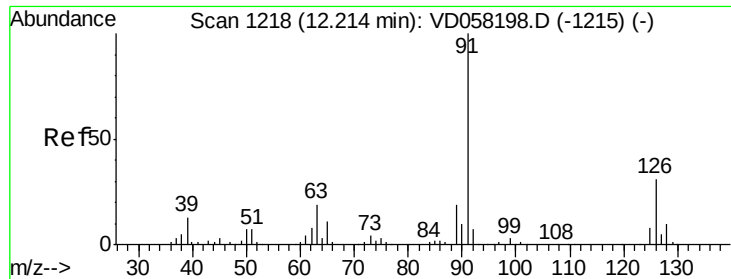
120 20.7 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

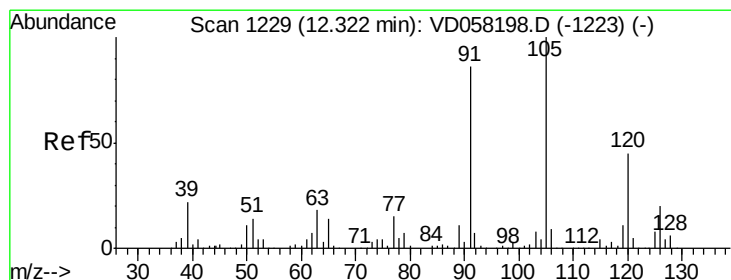
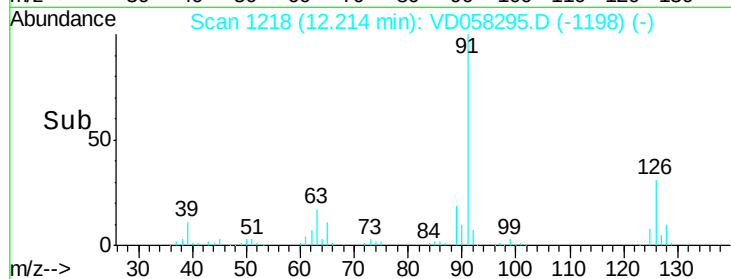
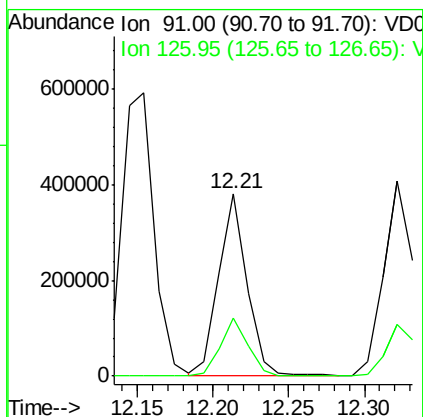
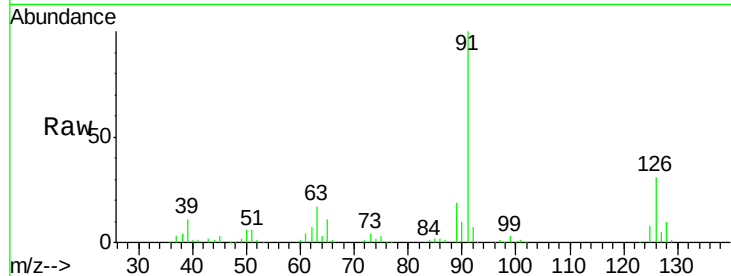




#79
 2-Chlorotoluene
 Concen: 23.43 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

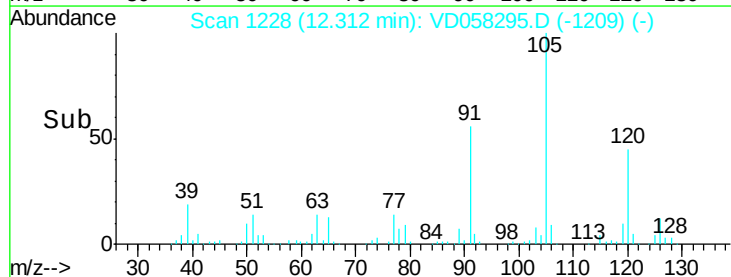
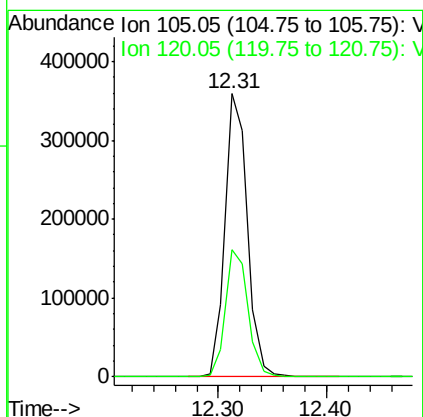
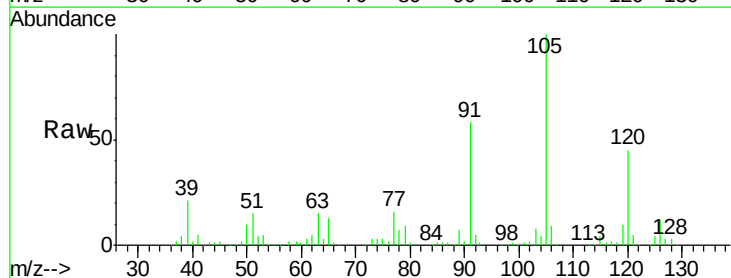
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

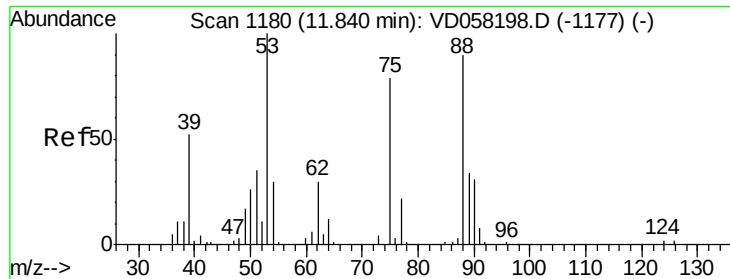
Tot Ion: 91 Resp: 495388
 Ion Ratio Lower Upper
 91 100
 126 31.5 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 23.11 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Tgt Ion: 105 Resp: 515705
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.5 67.5

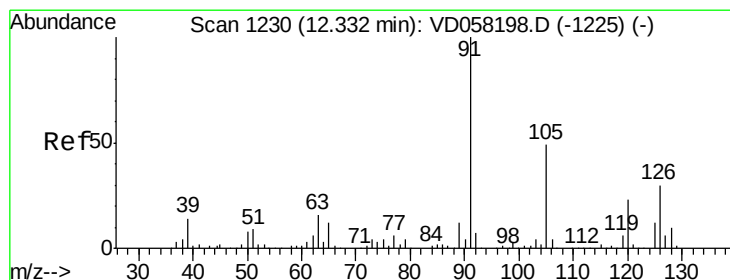
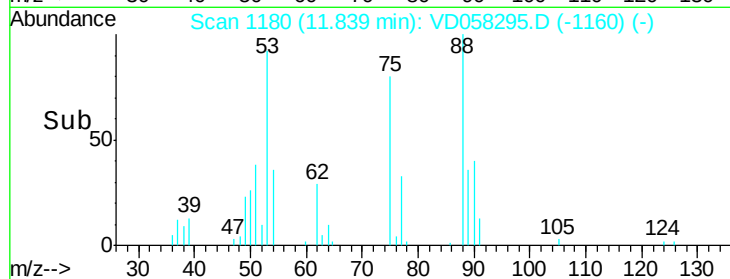
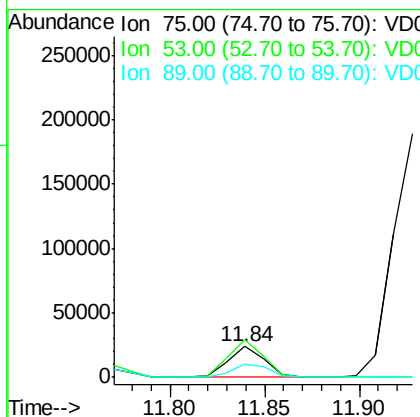
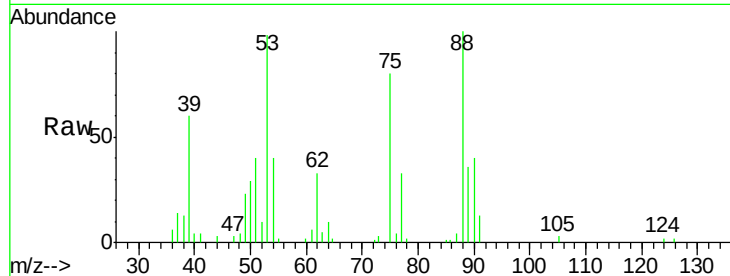




#81
trans-1,4-Dichloro-2-butene
Concen: 18.87 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

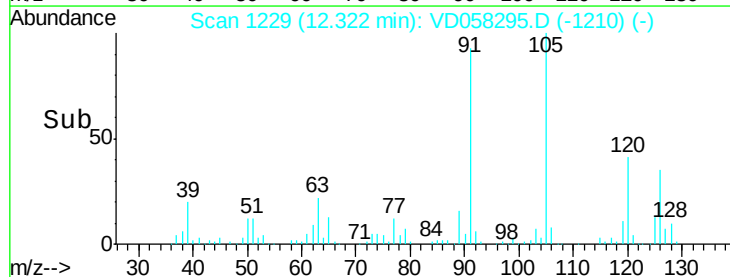
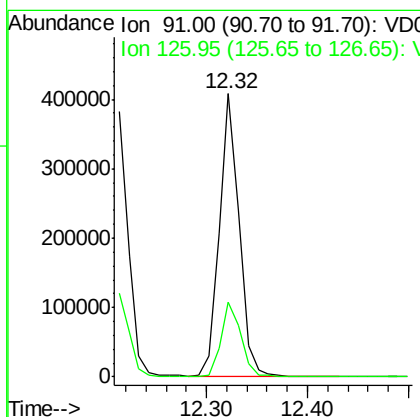
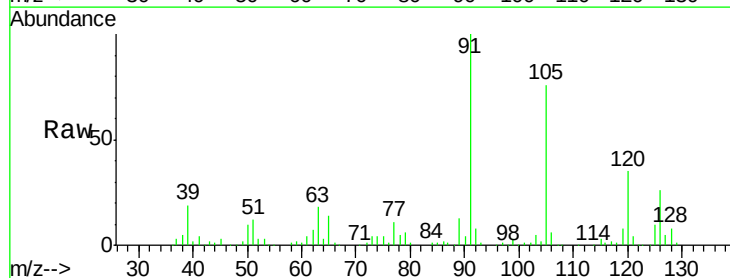
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

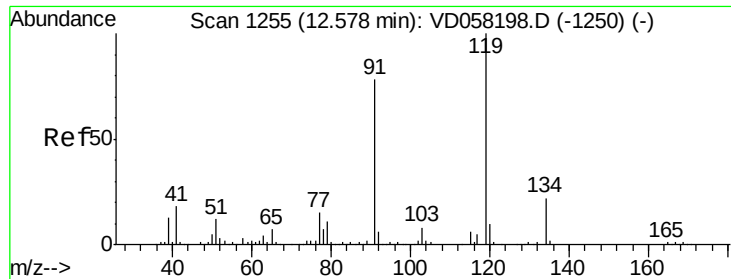
Tot Ion: 75 Resp: 32148
Ion Ratio Lower Upper
75 100
53 122.4 100.8 151.2
89 45.2 34.6 52.0



#82
4-Chlorotoluene
Concen: 24.36 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

Tgt Ion: 91 Resp: 559497
Ion Ratio Lower Upper
91 100
126 26.4 14.9 44.9

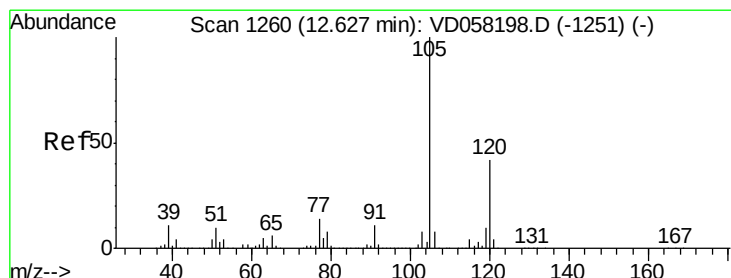
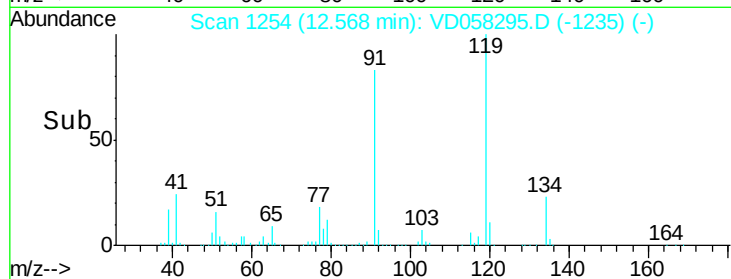
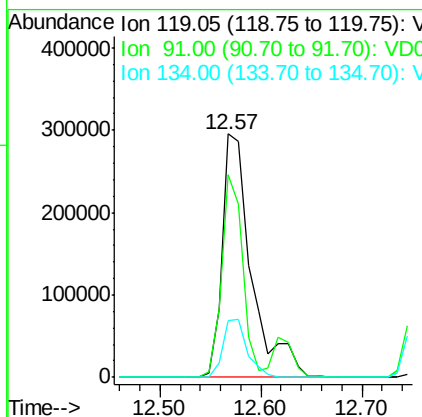
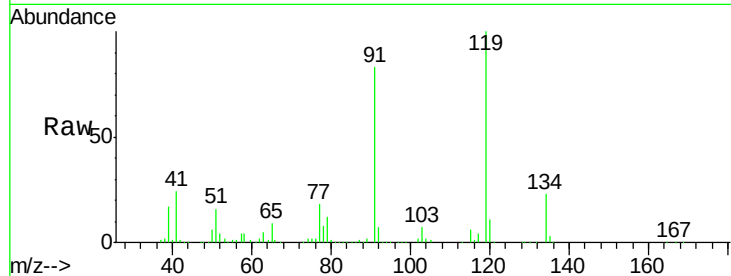




#83
 tert-Butylbenzene
 Concen: 23.32 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

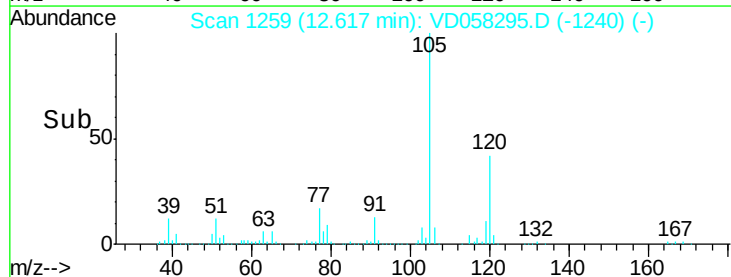
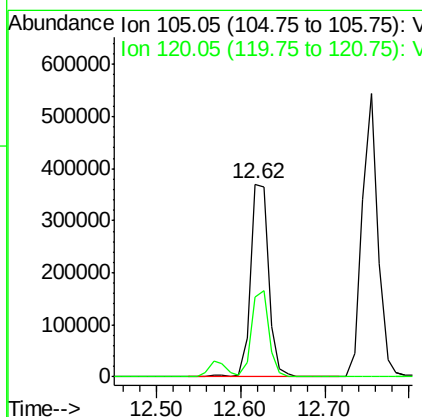
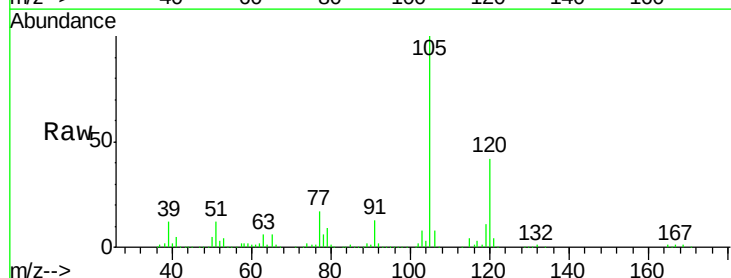
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

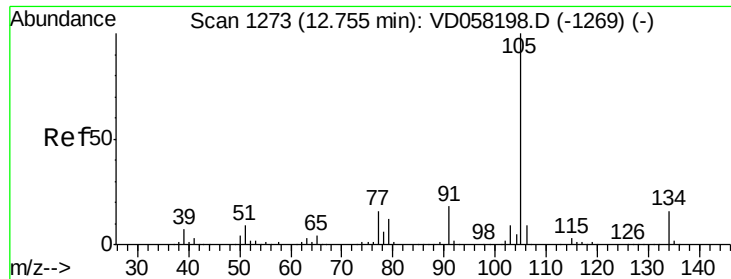
Tot Ion:119 Resp: 598394
 Ion Ratio Lower Upper
 119 100
 91 83.3 38.9 116.6
 134 23.1 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 22.95 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Tgt Ion:105 Resp: 556881
 Ion Ratio Lower Upper
 105 100
 120 41.8 20.8 62.4





#85

sec-Butylbenzene

Concen: 23.60 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

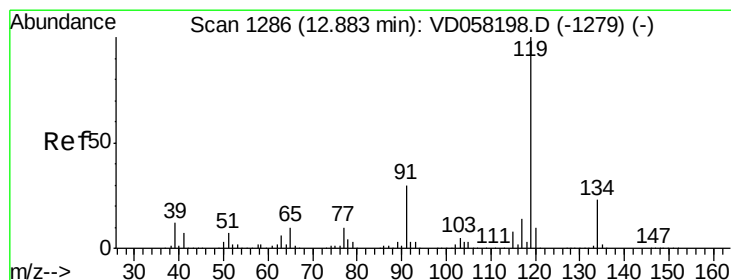
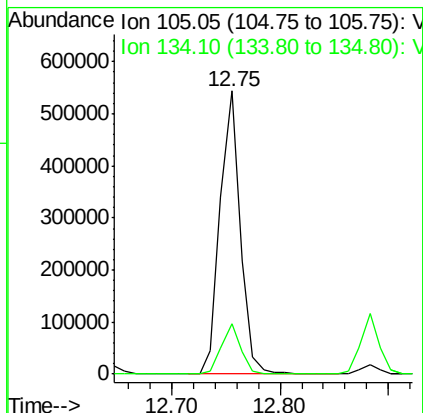
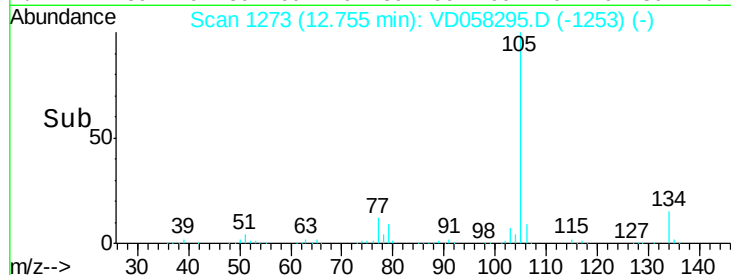
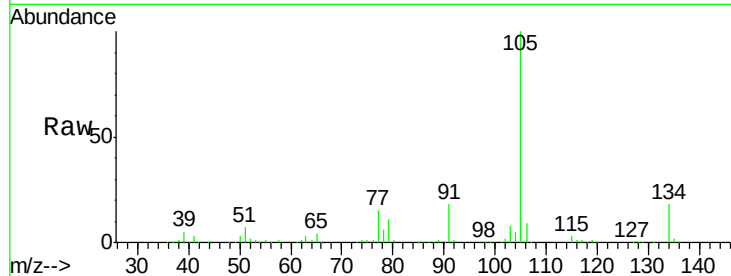
VD0622SBS01

Tot Ion:105 Resp: 709710

Ion Ratio Lower Upper

105 100

134 17.8 8.1 24.3



#86

p-Isopropyltoluene

Concen: 23.40 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

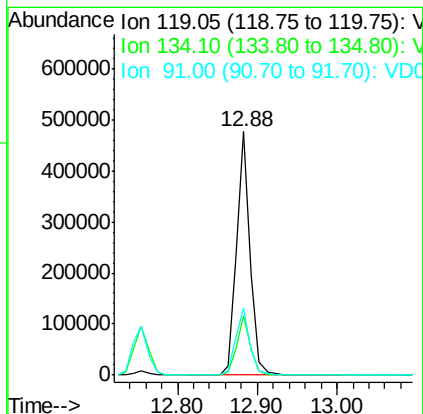
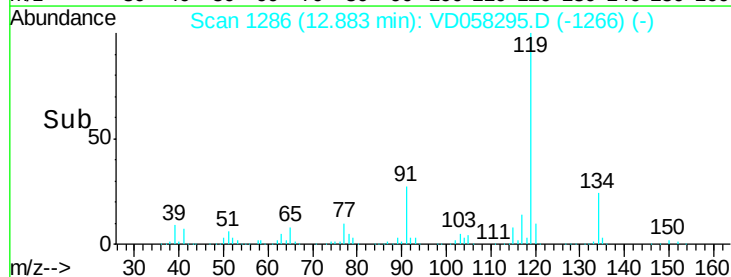
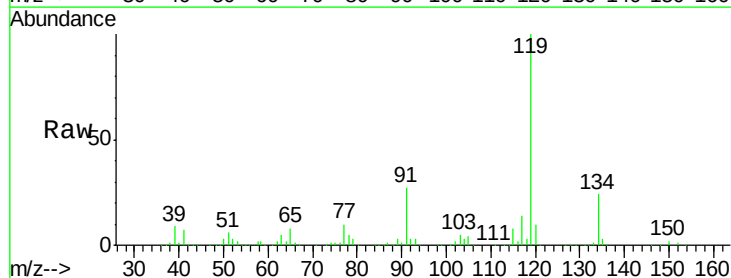
Tgt Ion:119 Resp: 570384

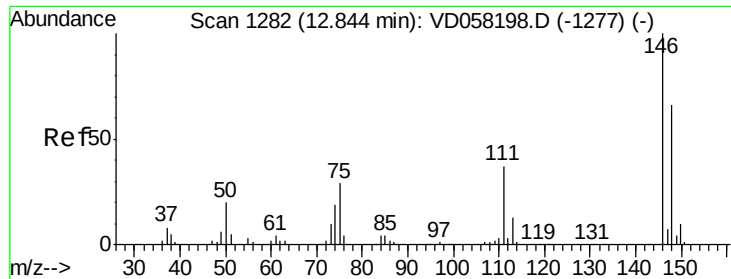
Ion Ratio Lower Upper

119 100

134 24.5 11.6 34.8

91 27.4 15.0 45.1

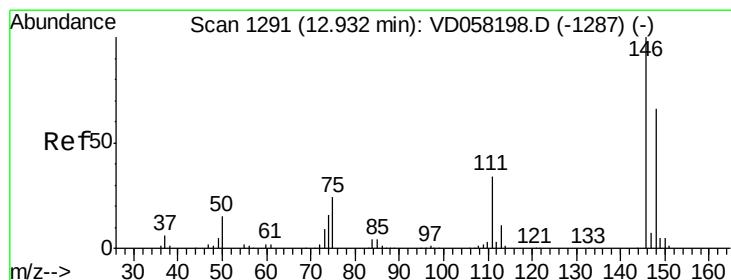
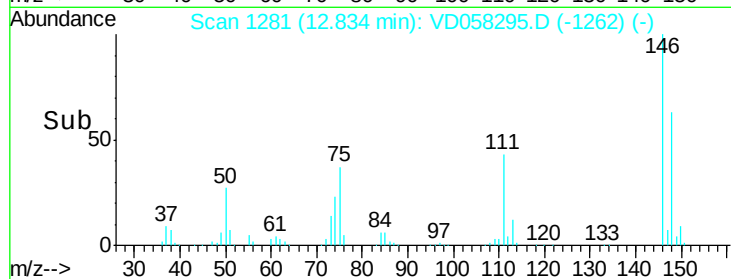
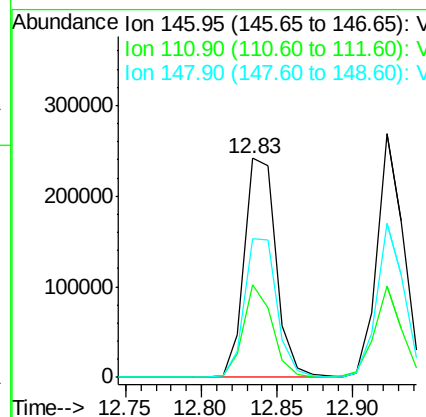
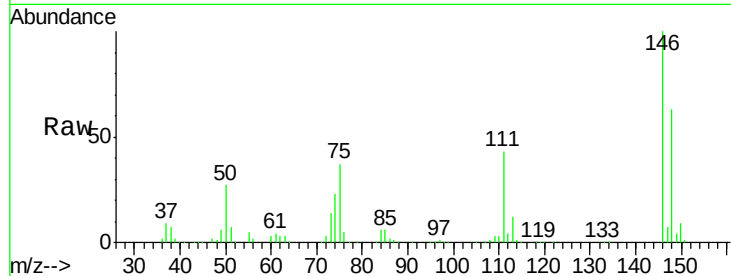




#87
 1,3-Dichlorobenzene
 Concen: 23.68 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

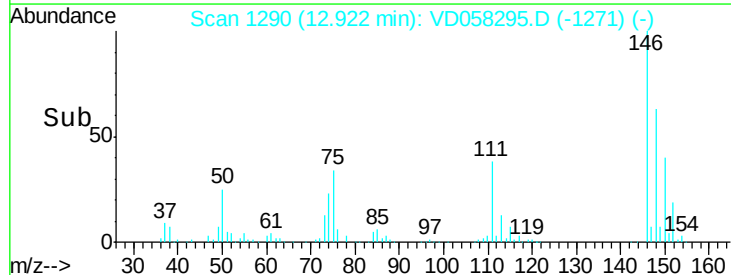
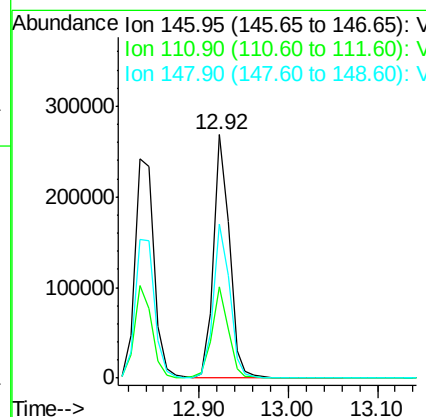
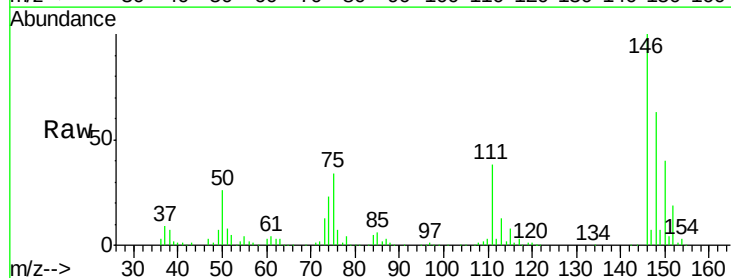
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

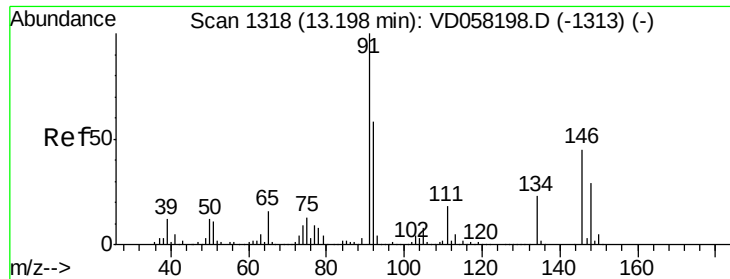
Tot Ion:146 Resp: 352609
 Ion Ratio Lower Upper
 146 100
 111 42.5 18.4 55.0
 148 63.4 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 22.95 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Tgt Ion:146 Resp: 333813
 Ion Ratio Lower Upper
 146 100
 111 37.5 17.2 51.5
 148 63.3 33.1 99.3

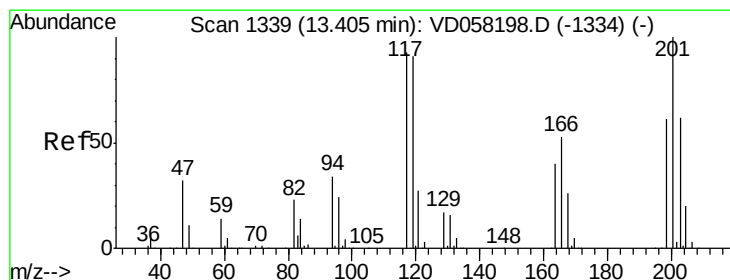
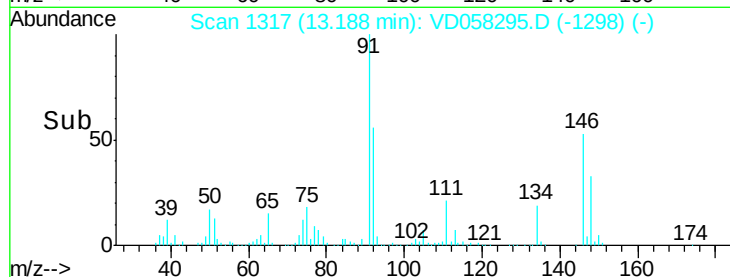
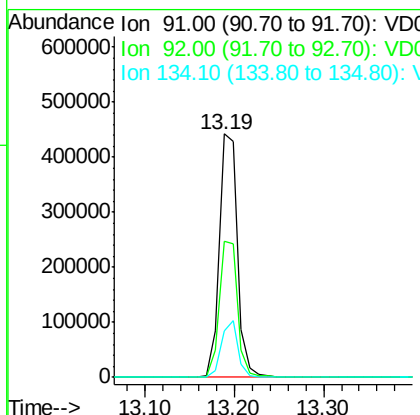
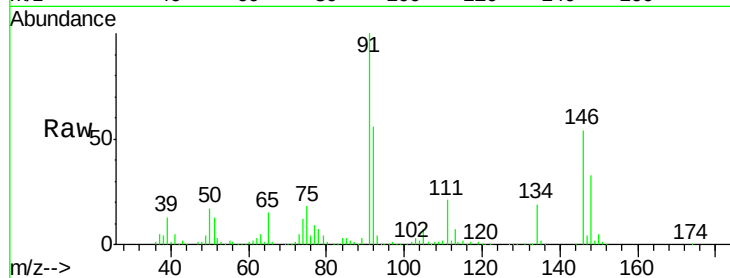




#89
n-Butylbenzene
Concen: 24.90 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

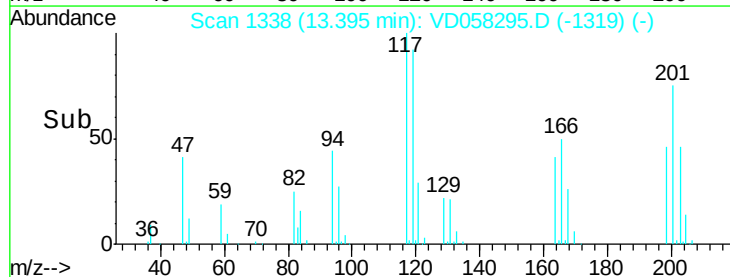
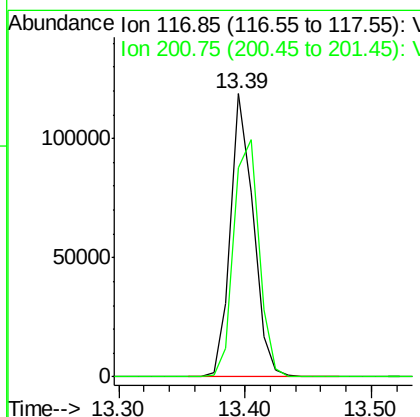
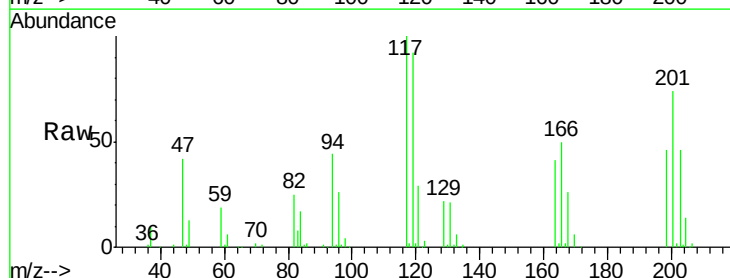
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

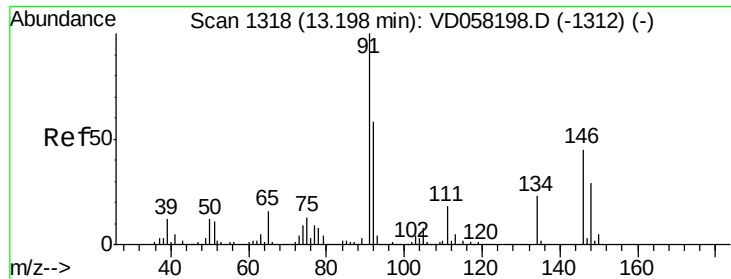
Tot Ion: 91 Resp: 637837
Ion Ratio Lower Upper
91 100
92 55.7 29.2 87.6
134 19.1 11.3 33.8



#90
Hexachloroethane
Concen: 23.37 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

Tgt Ion: 117 Resp: 147872
Ion Ratio Lower Upper
117 100
201 74.0 53.8 161.4

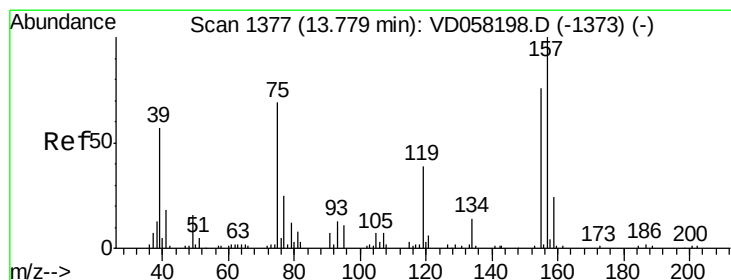
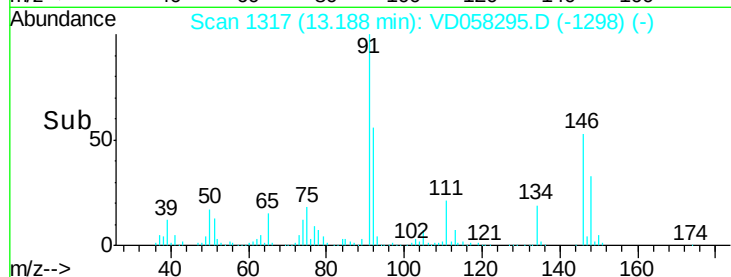
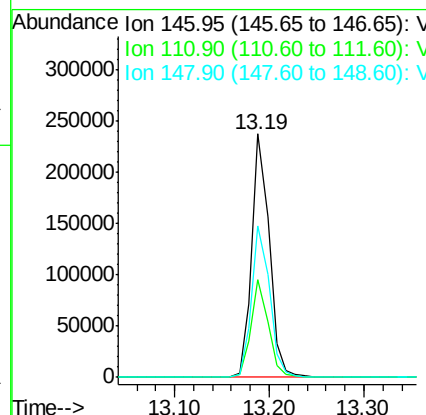
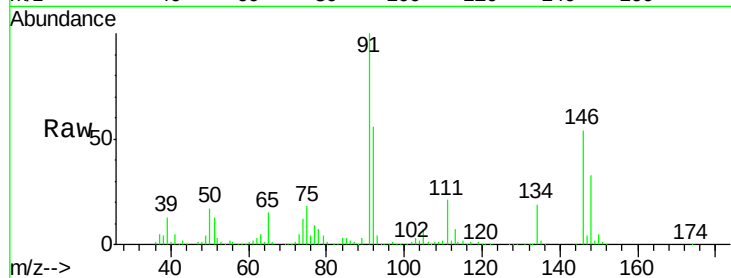




#91
 1,2-Dichlorobenzene
 Concen: 24.12 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

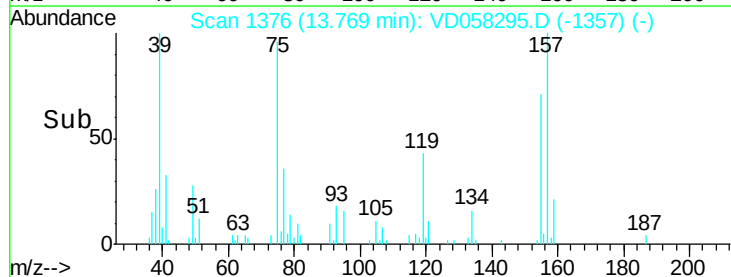
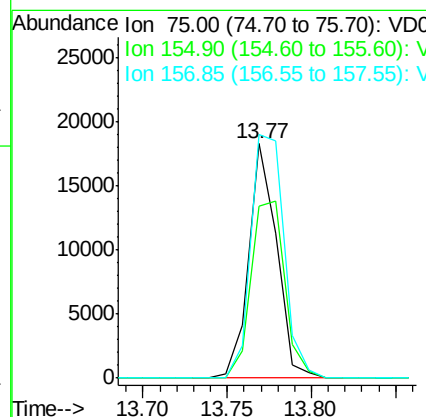
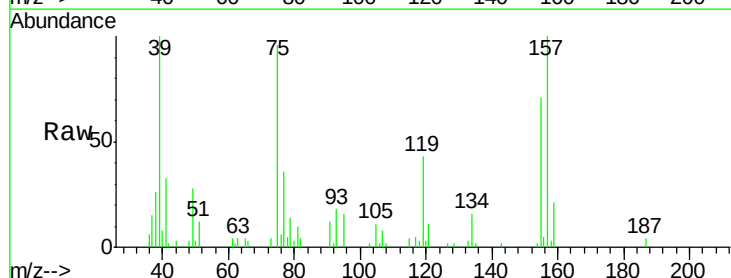
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

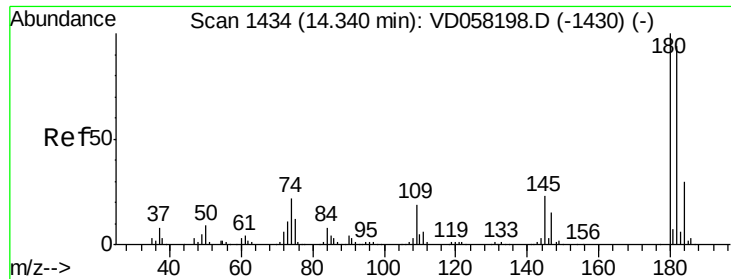
Tot Ion:146 Resp: 305719
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.6 58.7
 148 62.2 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.82 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Tgt Ion: 75 Resp: 21000
 Ion Ratio Lower Upper
 75 100
 155 73.6 54.5 163.5
 157 103.8 72.0 215.9

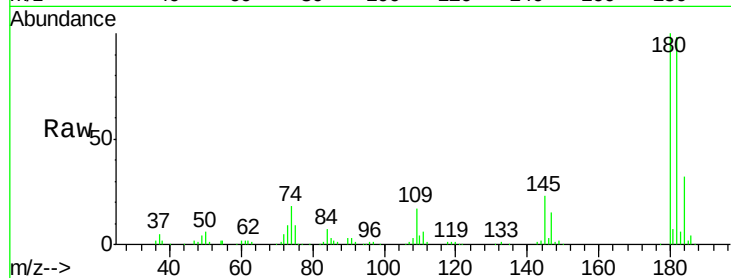




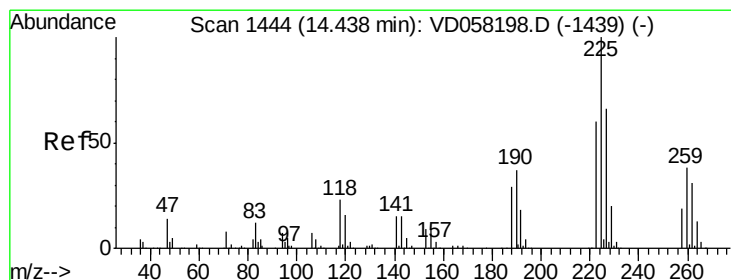
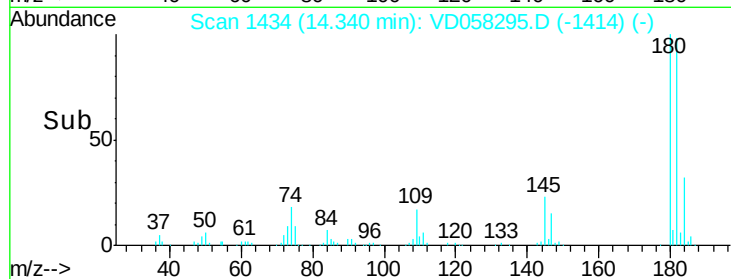
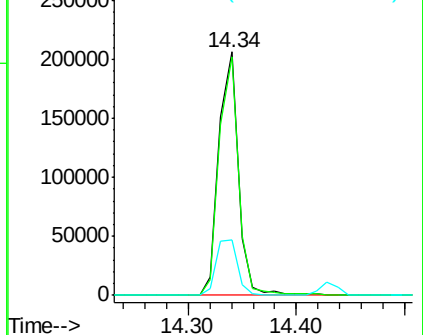
#93
 1,2,4-Trichlorobenzene
 Concen: 21.52 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion:180 Resp: 260839
 Ion Ratio Lower Upper
 180 100
 182 97.8 47.1 141.3
 145 22.7 11.7 35.0

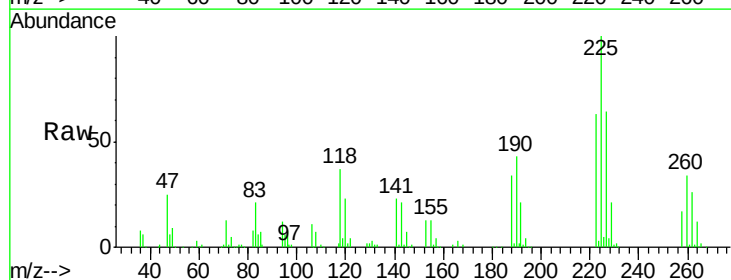


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

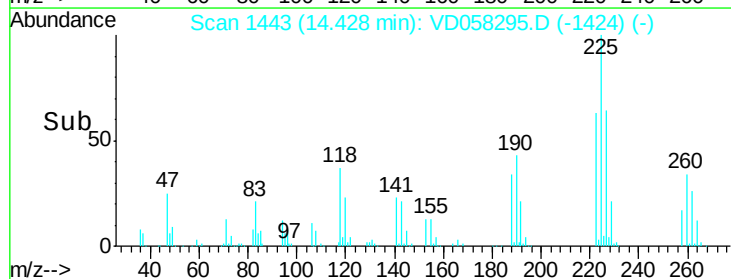
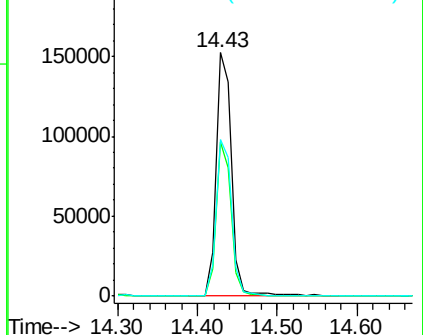


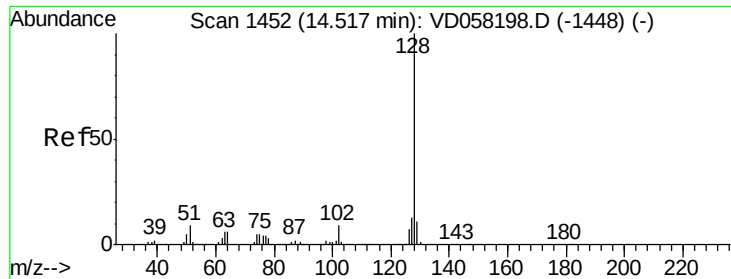
#94
 Hexachlorobutadiene
 Concen: 21.94 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Tgt Ion:225 Resp: 208008
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.1 90.3
 227 64.4 33.0 98.9



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: 21.32 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

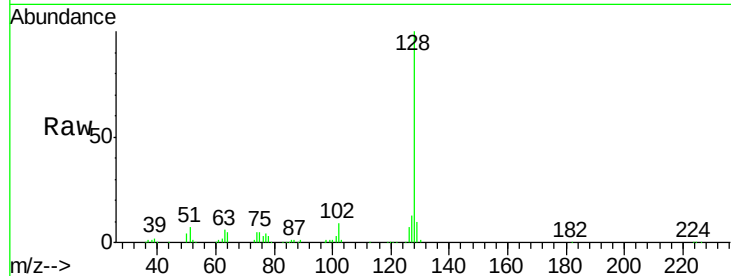
Tot Ion:128 Resp: 340355

Ion Ratio Lower Upper

128 100

127 13.2 10.0 15.0

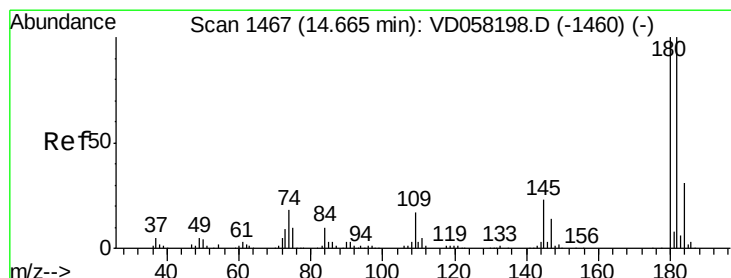
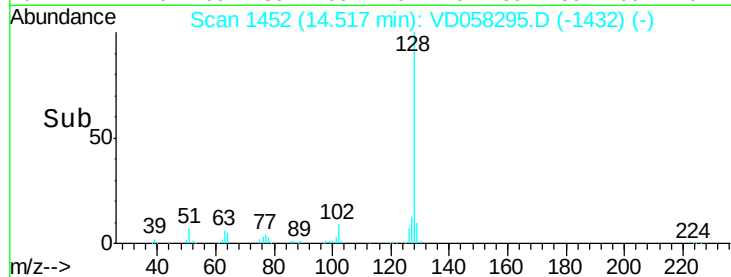
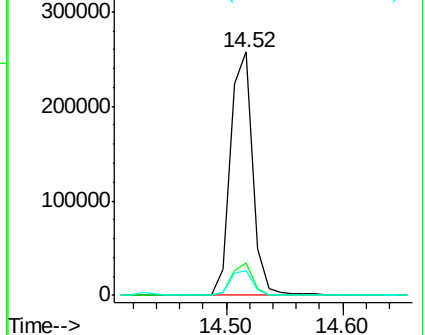
129 10.1 8.7 13.1



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: 20.84 ug/l

RT: 14.65 min Scan# 1466

Delta R.T. -0.01 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

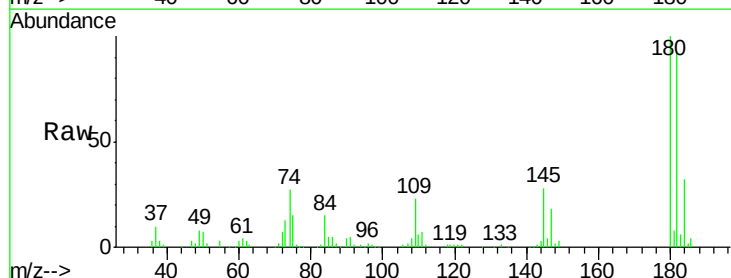
Tgt Ion:180 Resp: 221143

Ion Ratio Lower Upper

180 100

182 93.5 49.9 149.6

145 28.2 11.7 35.1



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

