

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058295.D
 Acq On : 22 Jun 2018 14:17
 Operator : VA/AP
 Sample : VD0622SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

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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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

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)
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

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Misc : 5.00g/5ml/MSVOA D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Quant Time: Jun 22 14:58:49 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

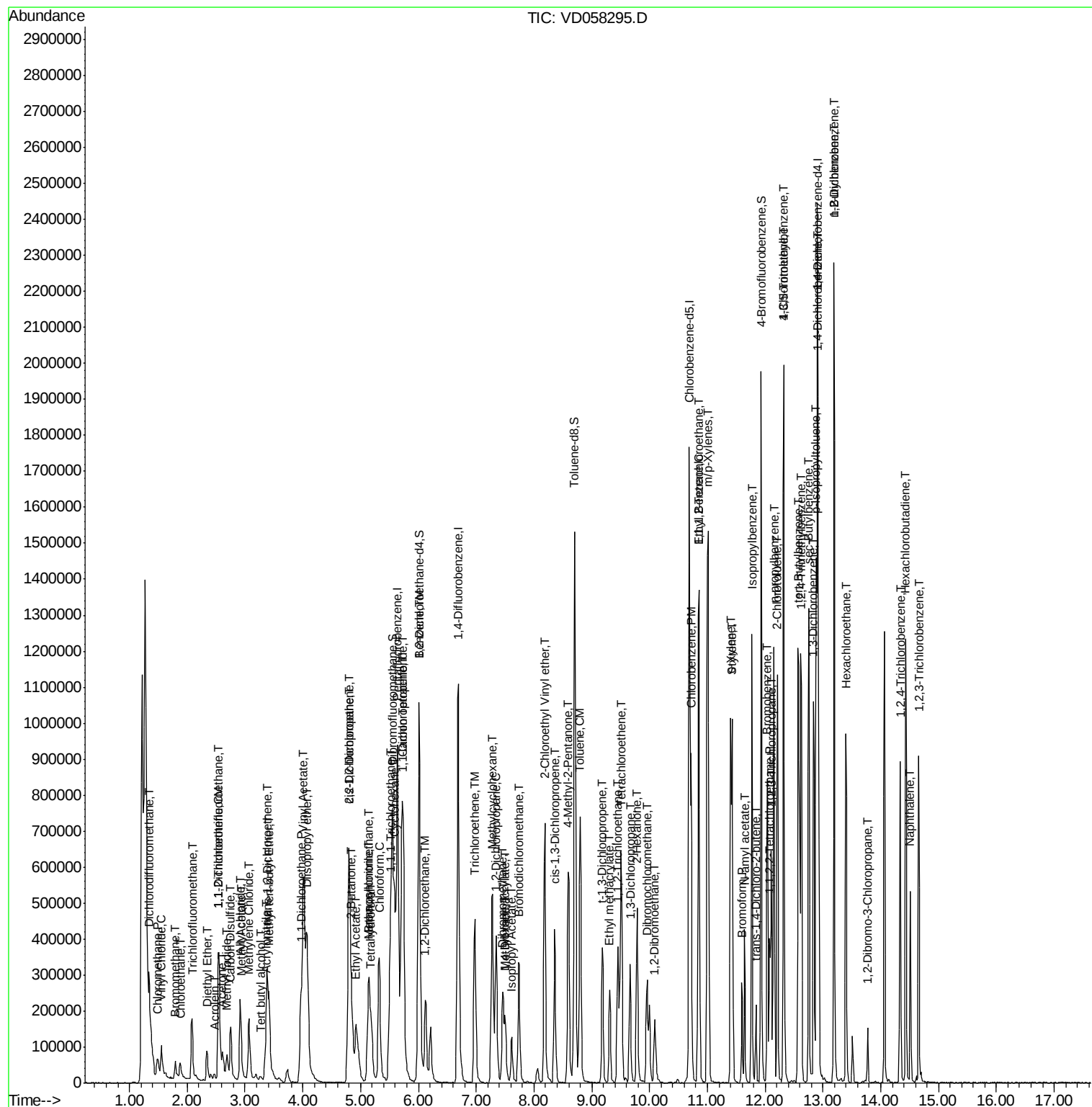
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	260839	21.52	ug/l	97
94) Hexachlorobutadiene	14.43	225	208008	21.94	ug/l	97
95) Naphthalene	14.52	128	340355	21.32	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	221143	20.84	ug/l	93

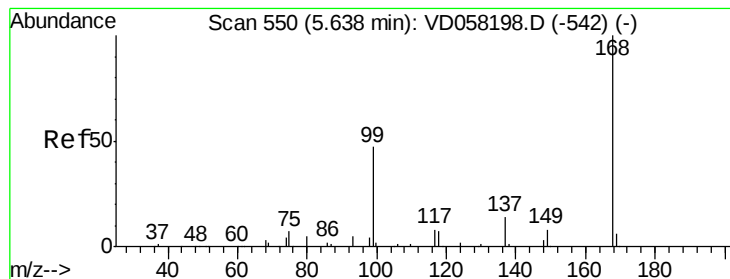
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058295.D
 Acq On : 22 Jun 2018 14:17
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 Sample : VD0622SBSD01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

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





#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 :

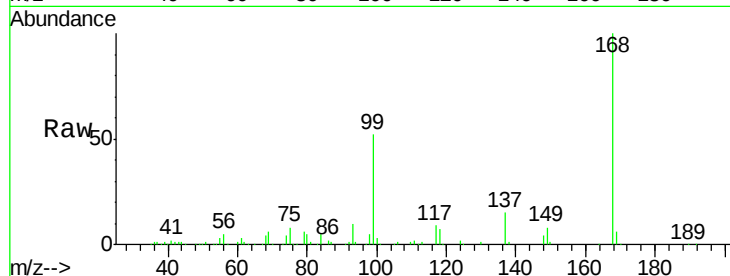
VD0622SBSD01

Tot Ion:168 Resp: 898404

Ion Ratio Lower Upper

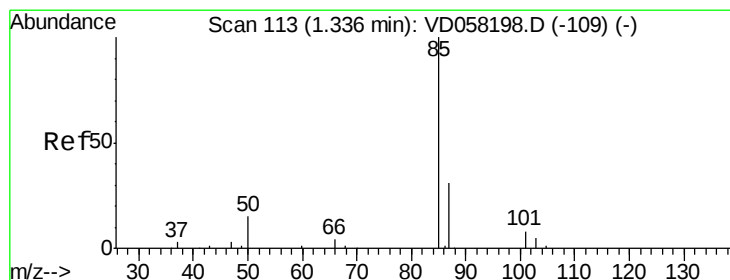
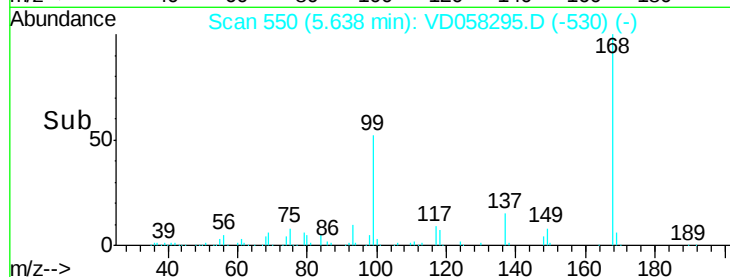
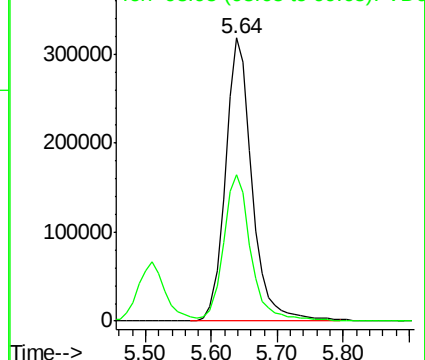
168 100

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

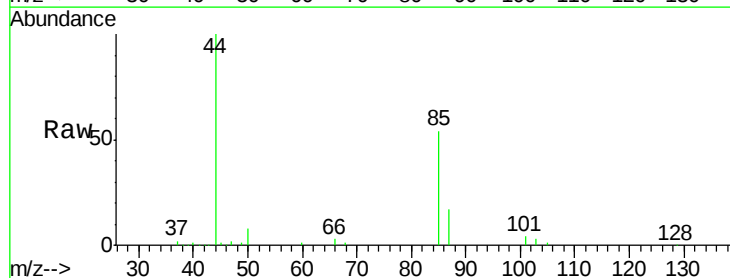
Acq: 22 Jun 2018 14:17

Tgt Ion: 85 Resp: 239822

Ion Ratio Lower Upper

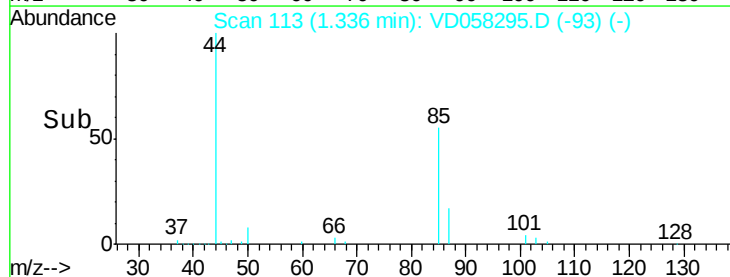
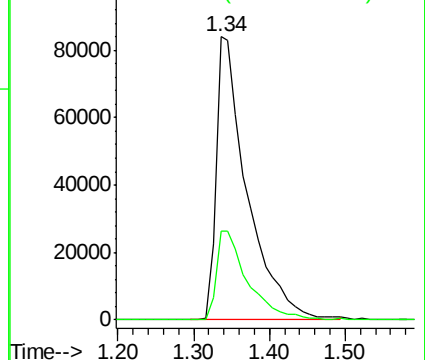
85 100

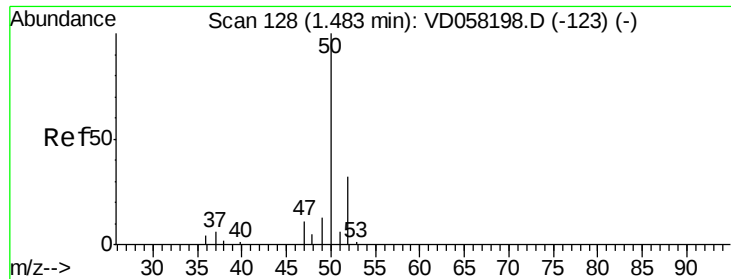
87 31.3 15.7 47.0



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 :

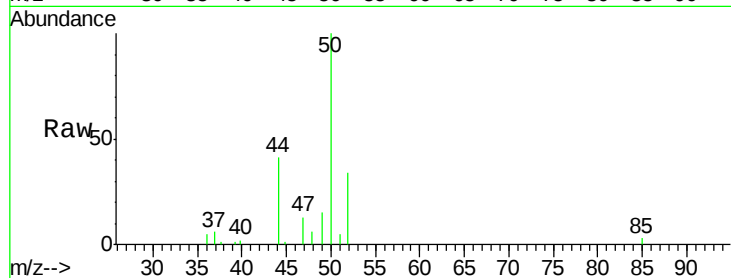
VD0622SBS01

Tot Ion: 50 Resp: 103750

Ion Ratio Lower Upper

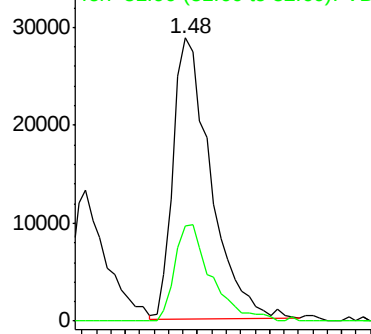
50 100

52 33.7 25.0 37.4

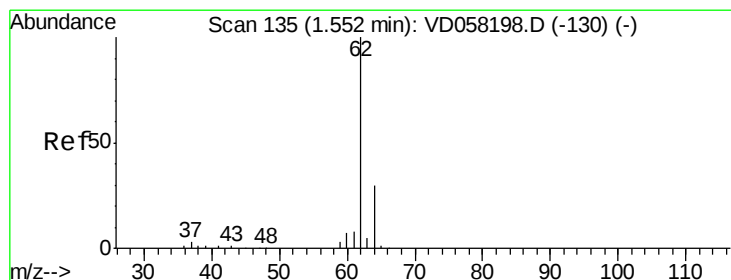
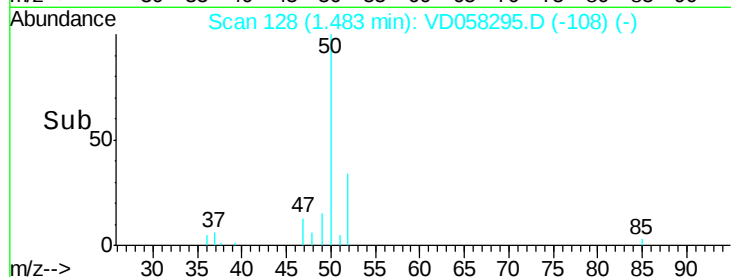


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 21.74 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD058295.D

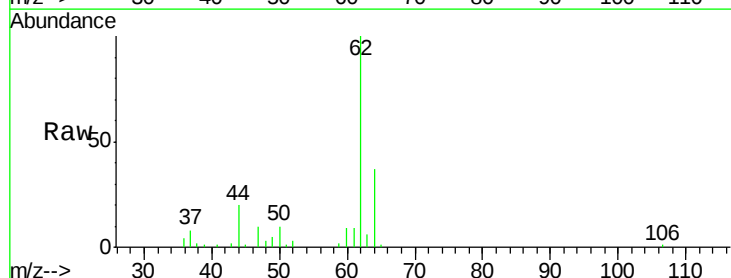
Acq: 22 Jun 2018 14:17

Tgt Ion: 62 Resp: 102303

Ion Ratio Lower Upper

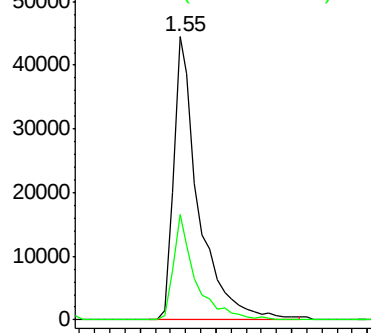
62 100

64 37.3 24.4 36.6#

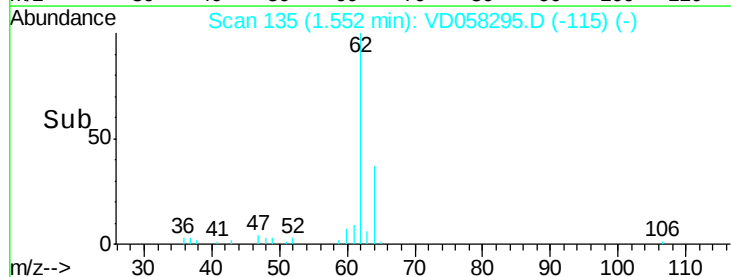


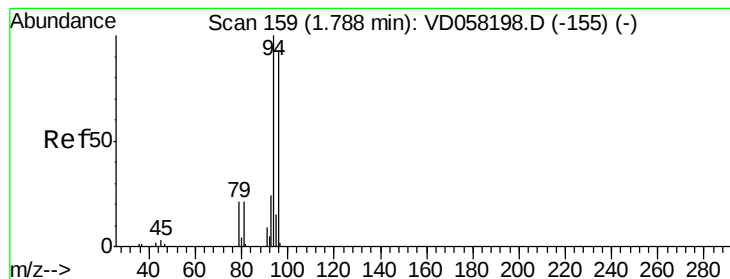
Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



Time-->





#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 :

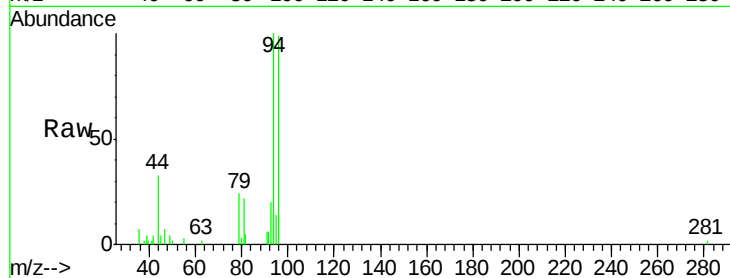
VD0622SBS01

Tot Ion: 94 Resp: 38308

Ion Ratio Lower Upper

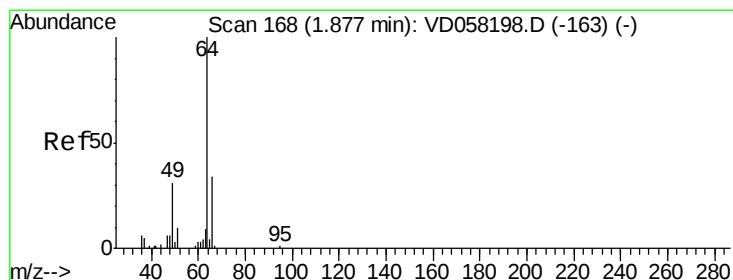
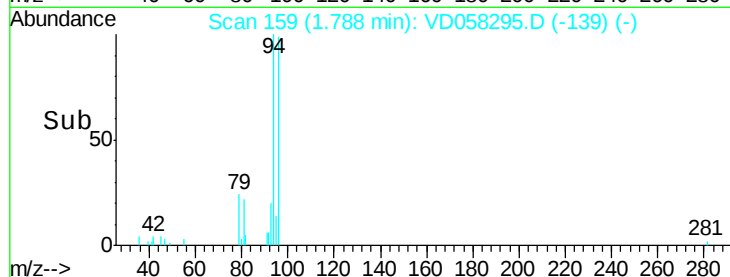
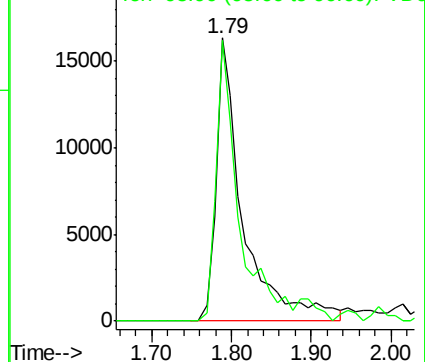
94 100

96 99.3 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.22 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.00 min

Lab File: VD058295.D

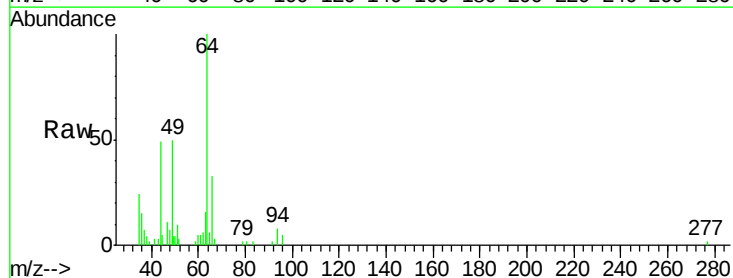
Acq: 22 Jun 2018 14:17

Tgt Ion: 64 Resp: 37132

Ion Ratio Lower Upper

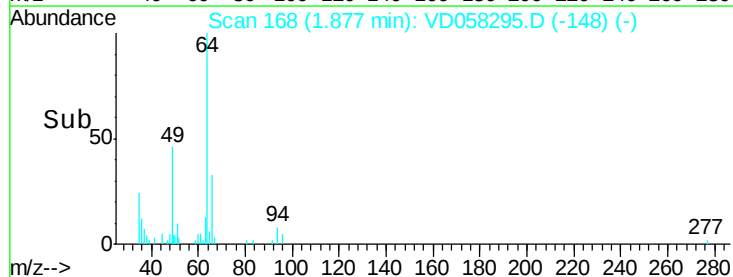
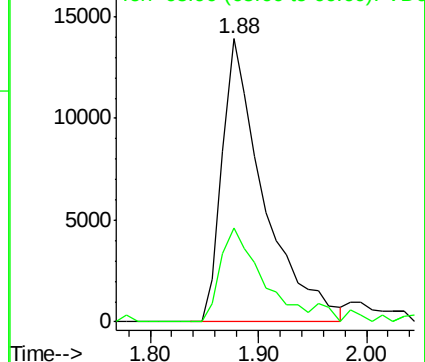
64 100

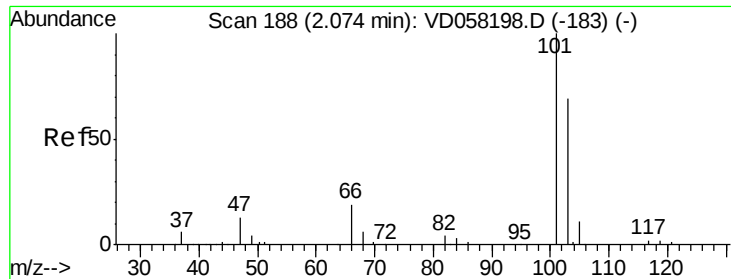
66 33.4 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



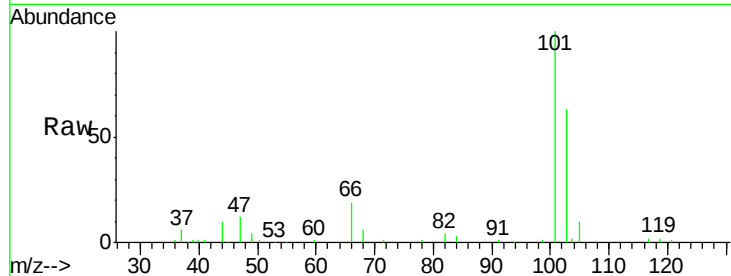


#7

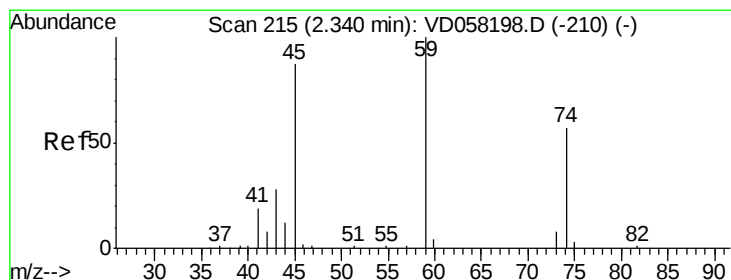
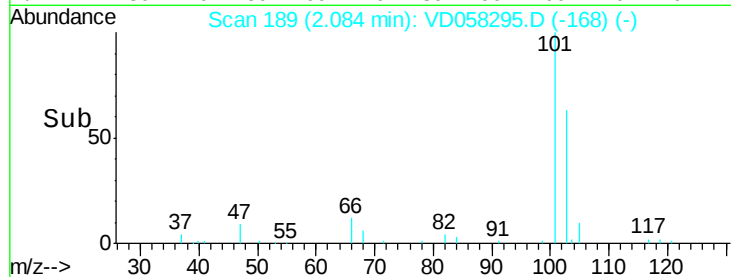
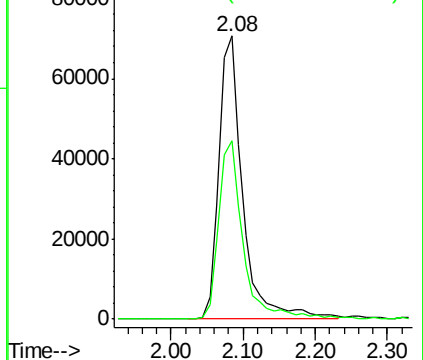
Trichlorofluoromethane
Concen: 24.84 ug/l
RT: 2.08 min Scan# 189
Delta R.T. 0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

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



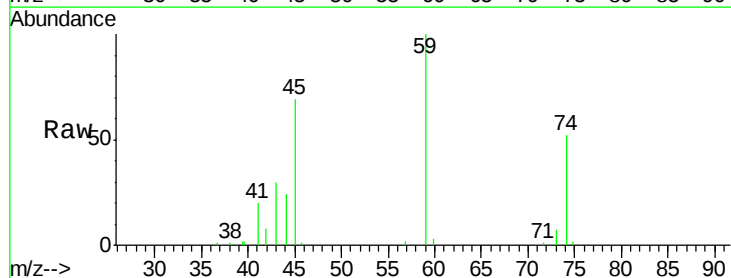
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



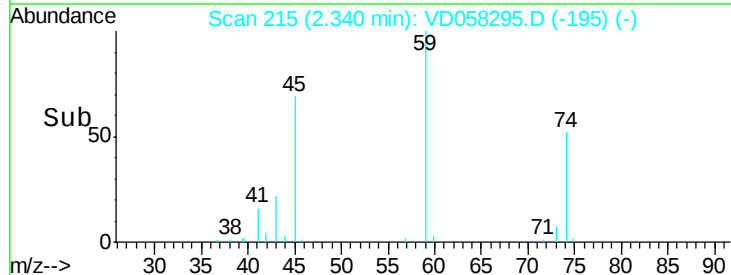
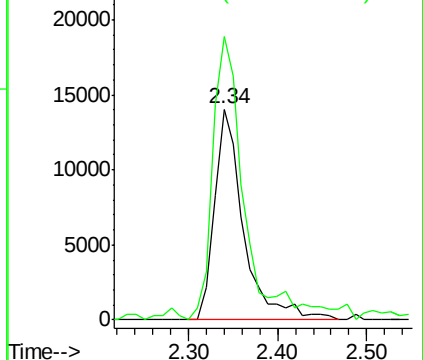
#8

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

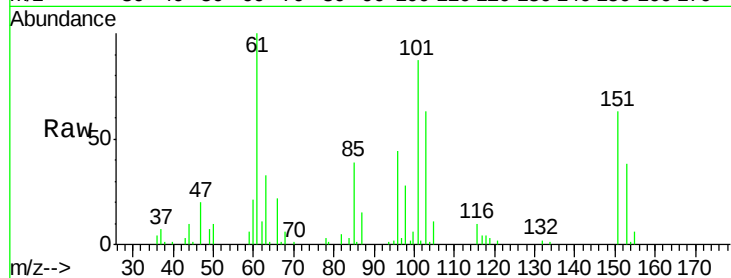
Tot Ion:101 Resp: 96522

Ion Ratio Lower Upper

101 100

85 45.2 39.0 58.4

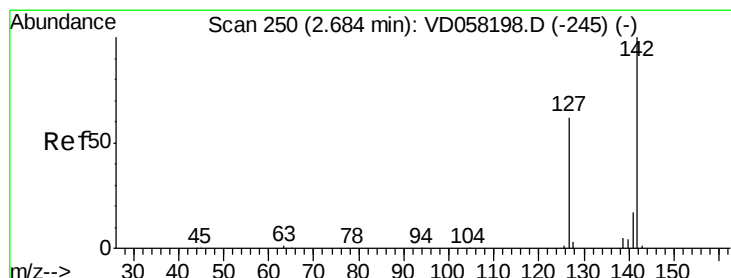
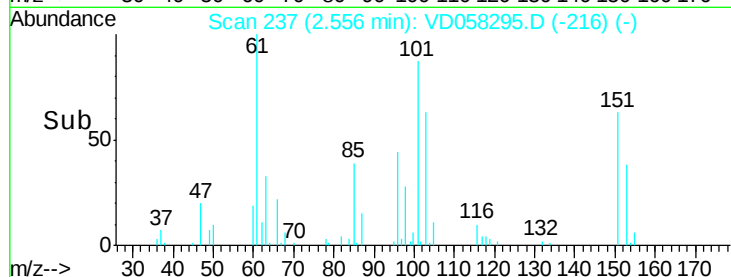
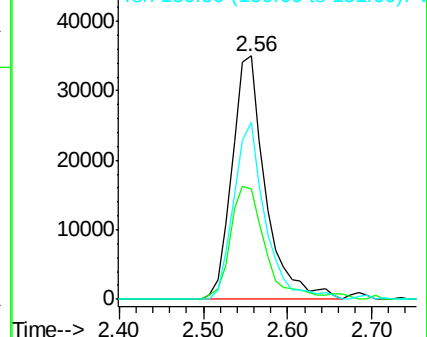
151 72.9 61.8 92.8



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

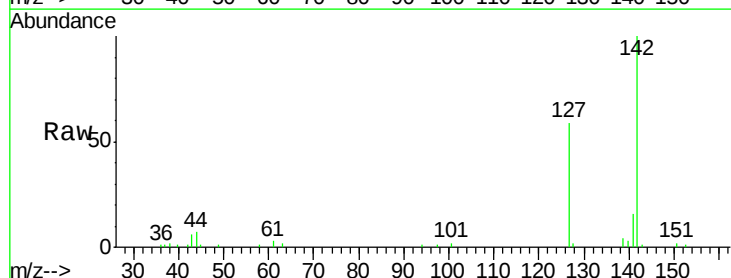
Tgt Ion:142 Resp: 108485

Ion Ratio Lower Upper

142 100

127 58.8 49.4 74.0

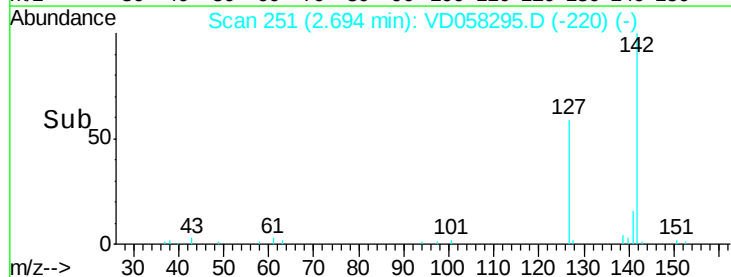
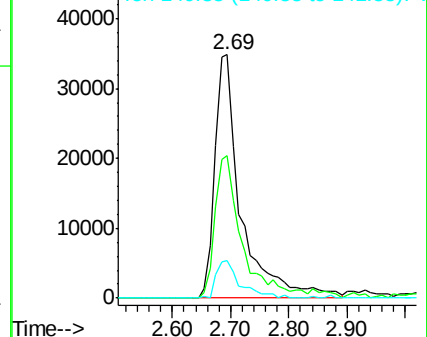
141 15.6 13.5 20.3



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



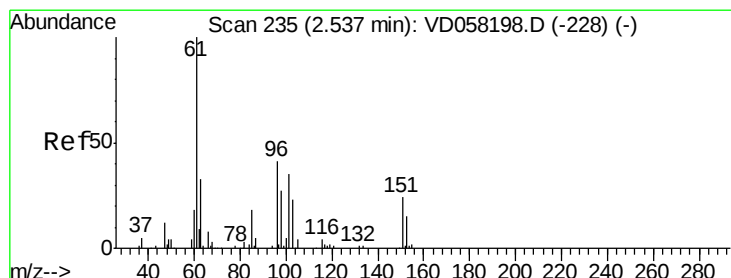
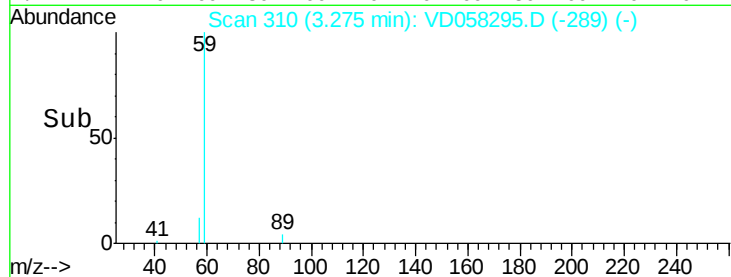
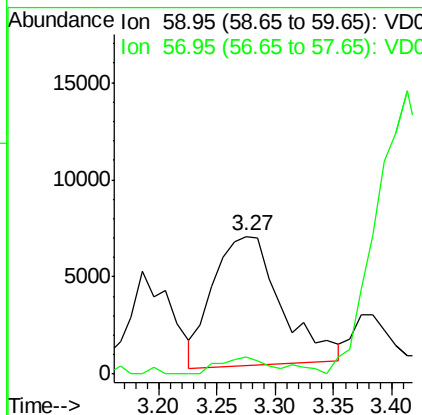
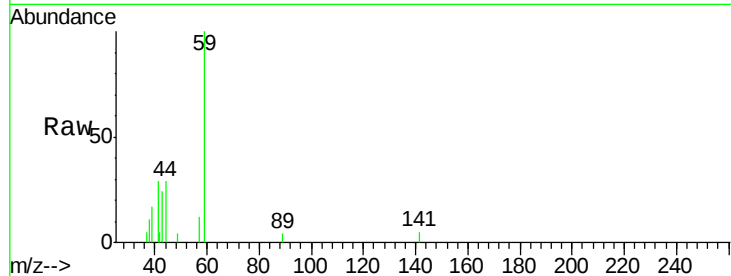


#11

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

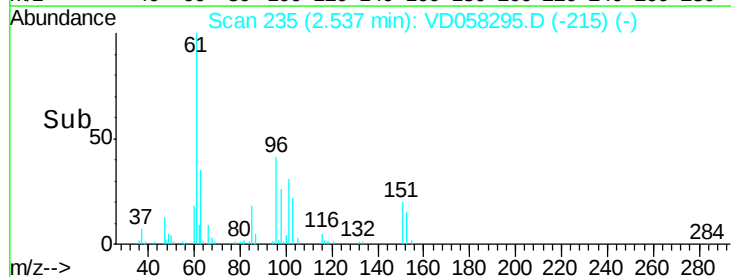
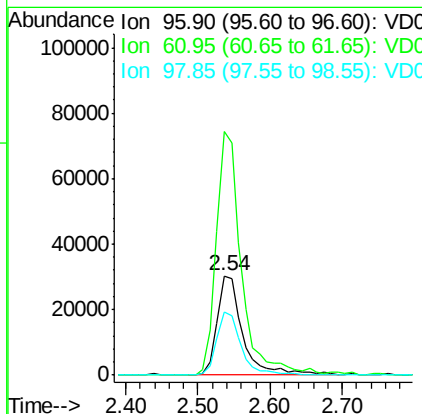
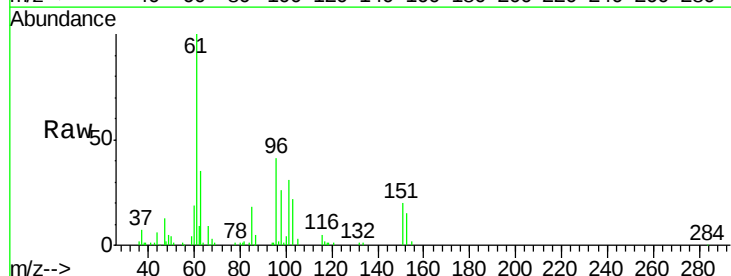
Tot Ion: 59 Resp: 27036
 Ion Ratio Lower Upper
 59 100
 57 12.4 6.2 9.4#

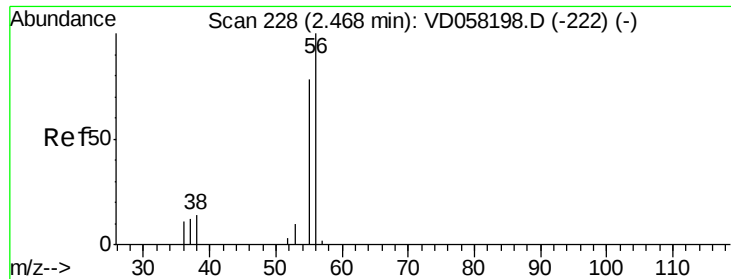


#12

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 :

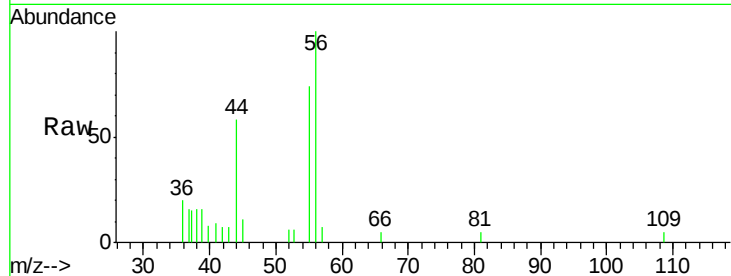
VD0622SBS01

Tot Ion: 56 Resp: 16785

Ion Ratio Lower Upper

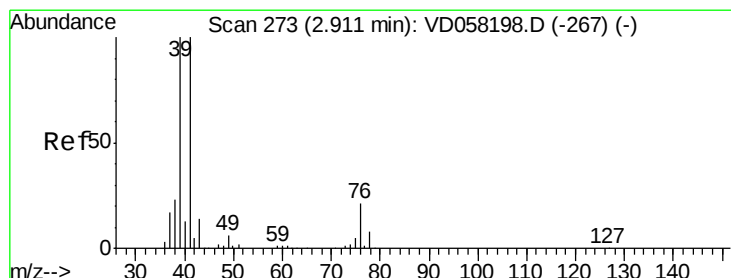
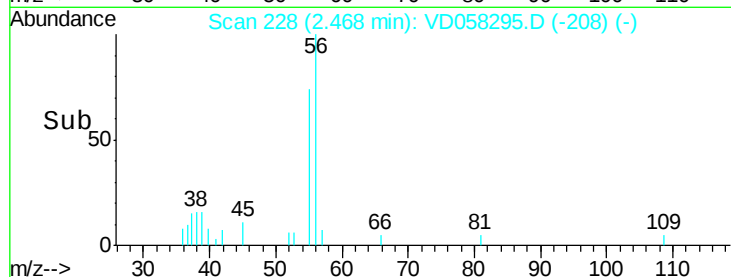
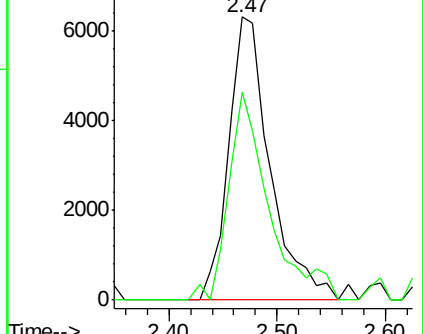
56 100

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

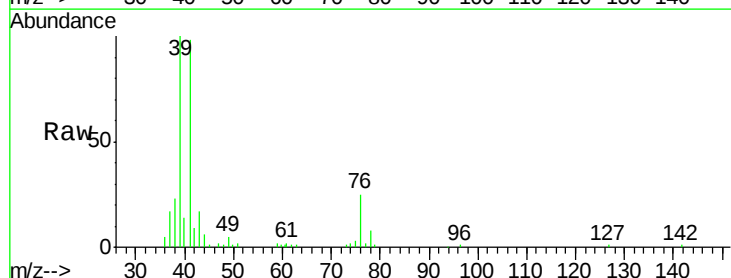
Tgt Ion: 41 Resp: 159101

Ion Ratio Lower Upper

41 100

39 102.5 80.1 120.1

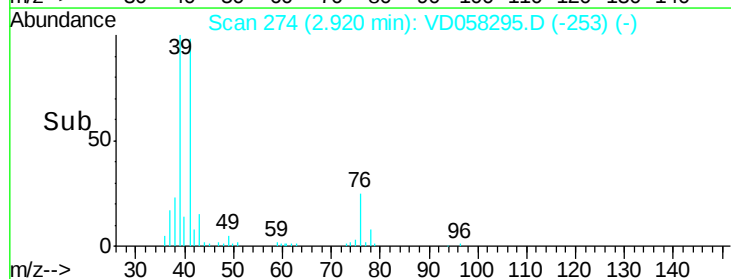
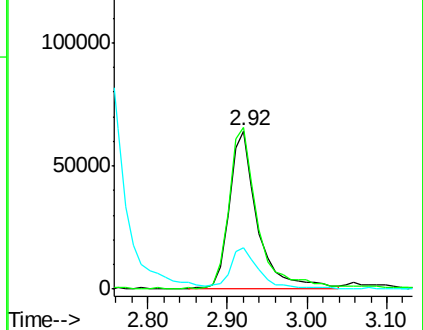
76 25.9 19.4 29.2

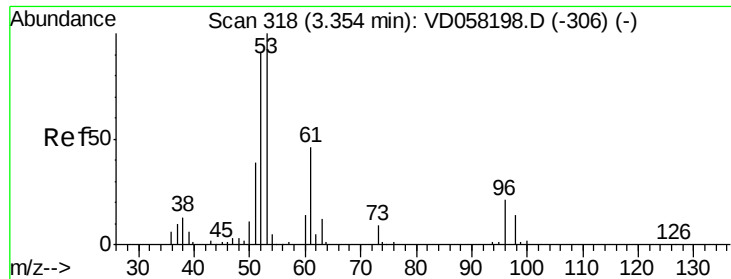


Abundance Ion 41.05 (40.75 to 41.75): VDC

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

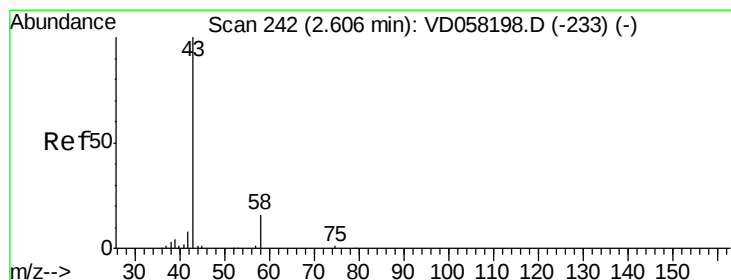
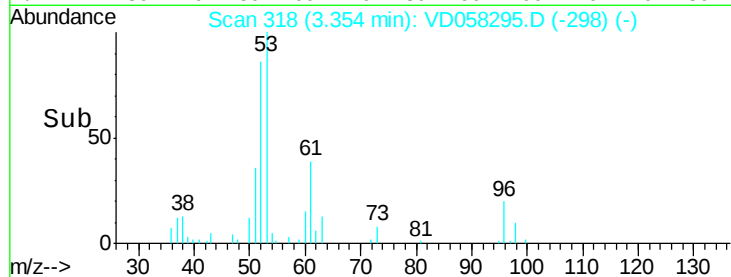
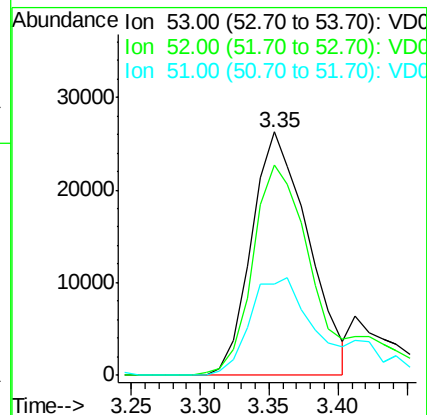
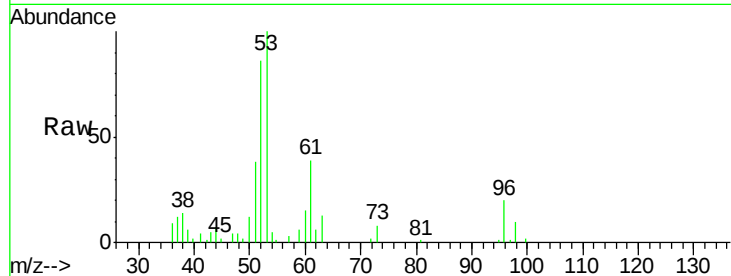
Tot Ion: 53 Resp: 75134

Ion Ratio Lower Upper

53 100

52 86.1 72.6 108.8

51 37.7 32.2 48.4



#16

Acetone

Concen: 108.60 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058295.D

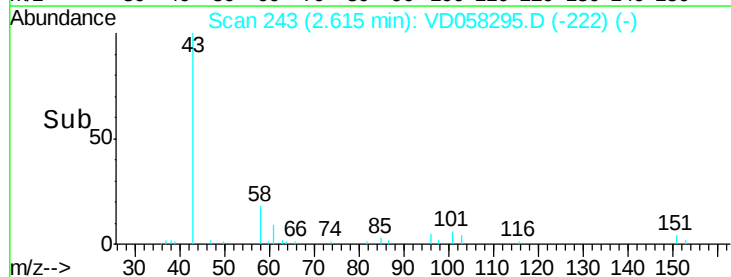
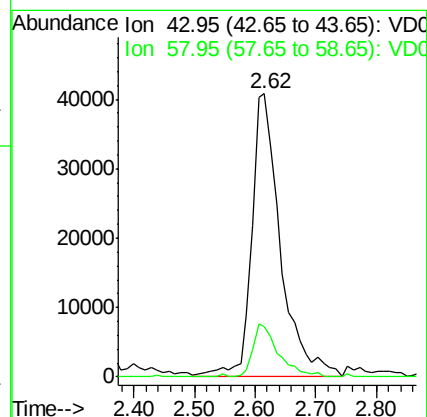
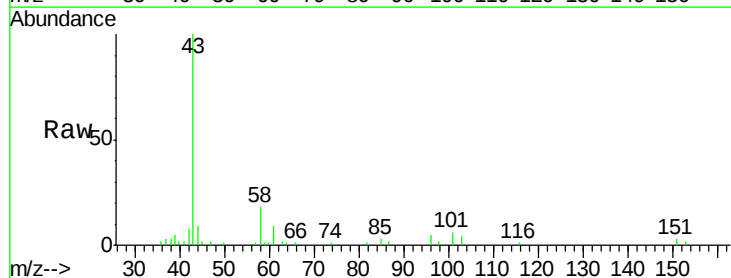
Acq: 22 Jun 2018 14:17

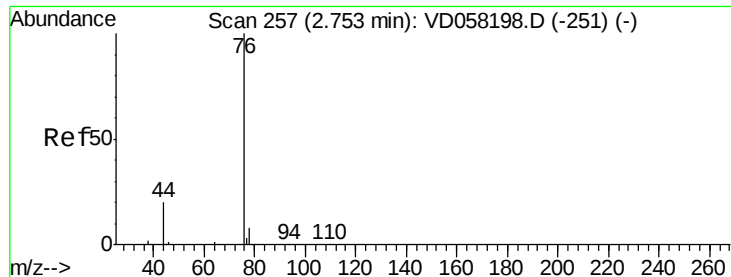
Tgt Ion: 43 Resp: 134779

Ion Ratio Lower Upper

43 100

58 17.8 12.7 19.1

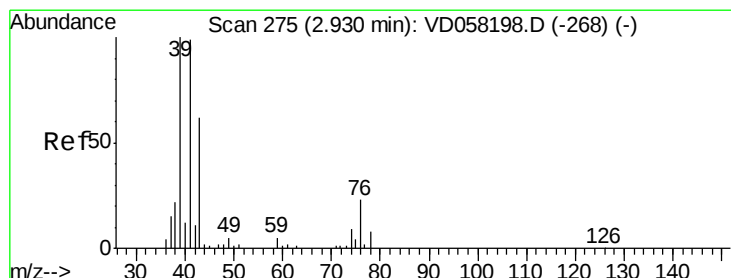
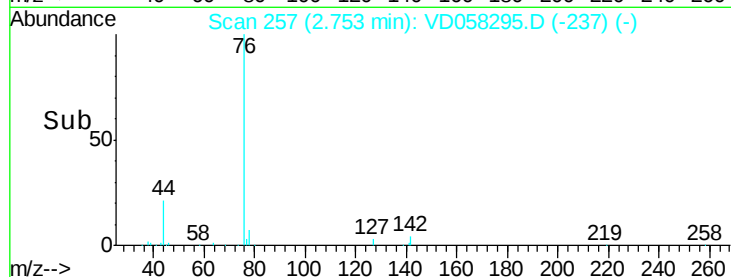
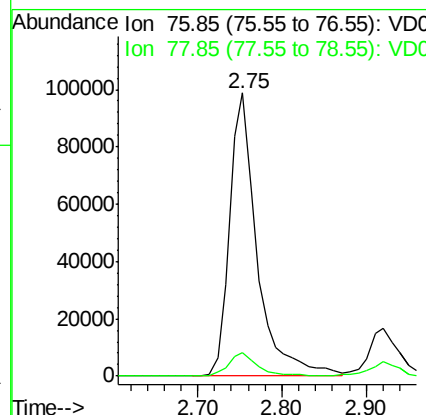
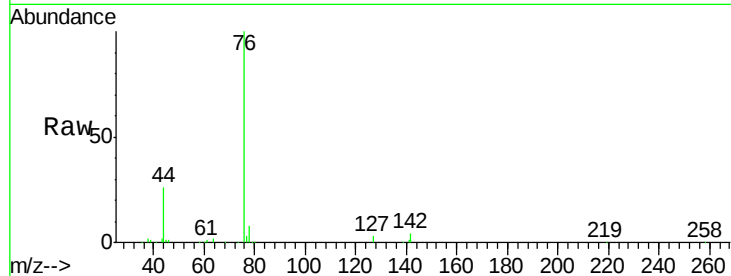




#17
Carbon Disulfide
Concen: 21.28 ug/l
RT: 2.75 min Scan# 257
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

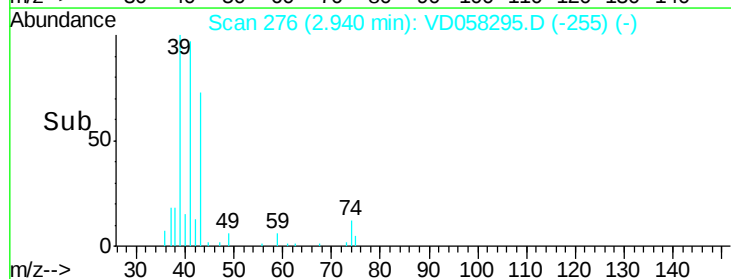
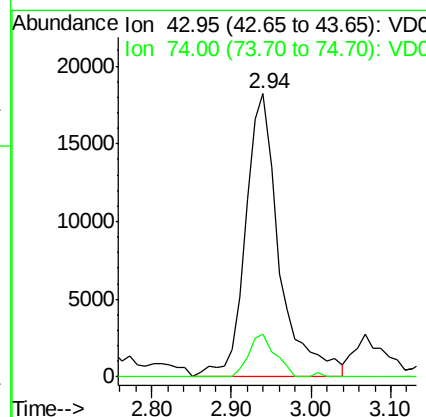
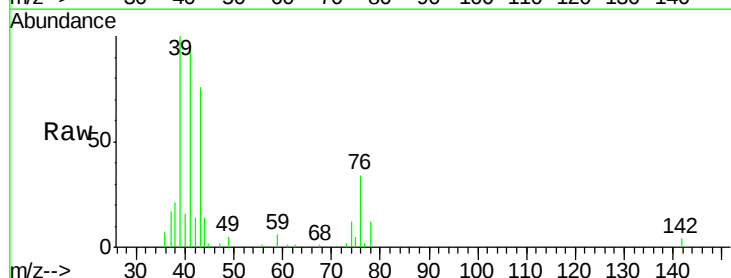
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

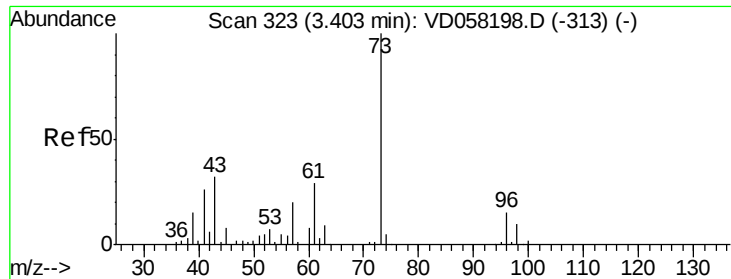
Tot Ion: 76 Resp: 223463
Ion Ratio Lower Upper
76 100
78 8.2 6.8 10.2



#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

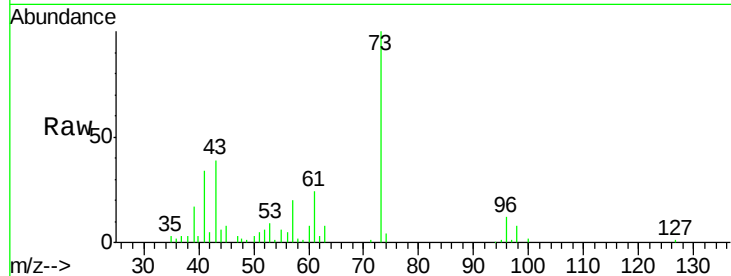




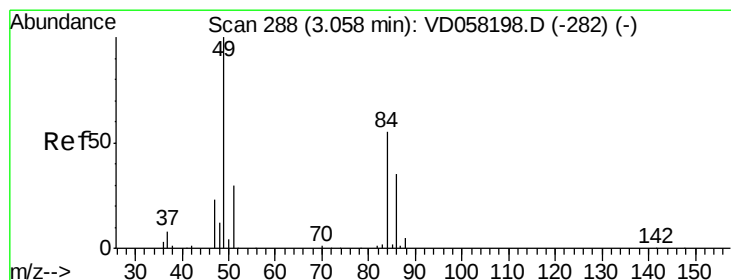
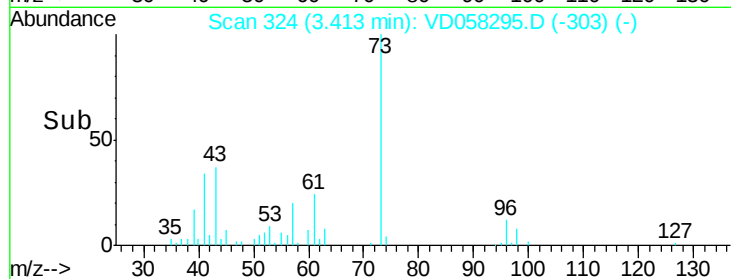
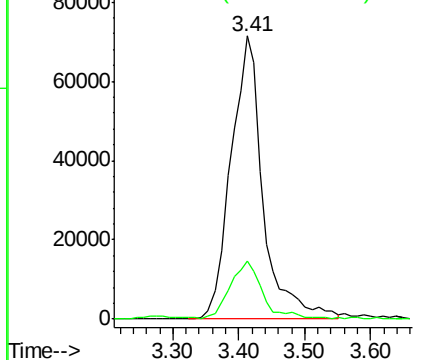
#19
Methvl tert-butvl Ether
Concen: 29.85 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

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

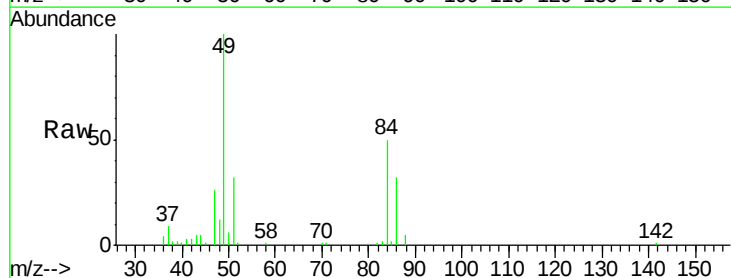


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

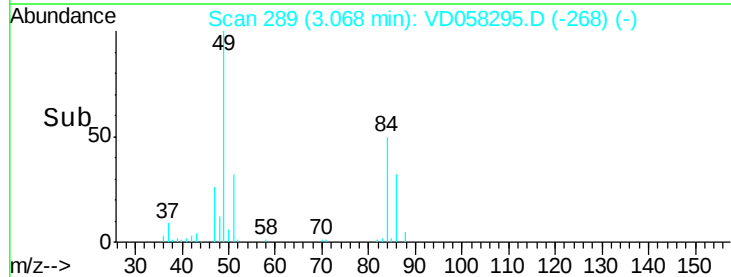
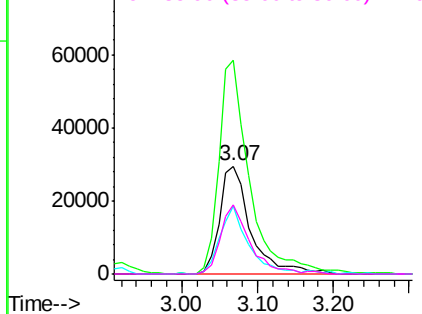


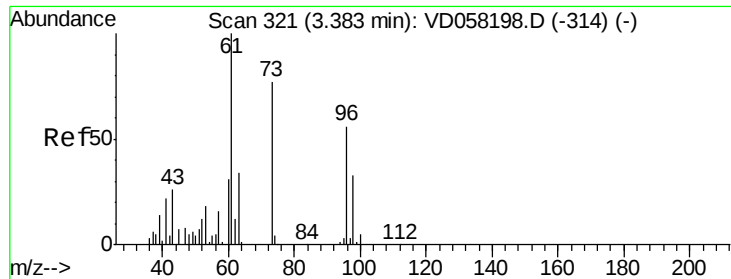
#20
Methylene Chloride
Concen: 23.40 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

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

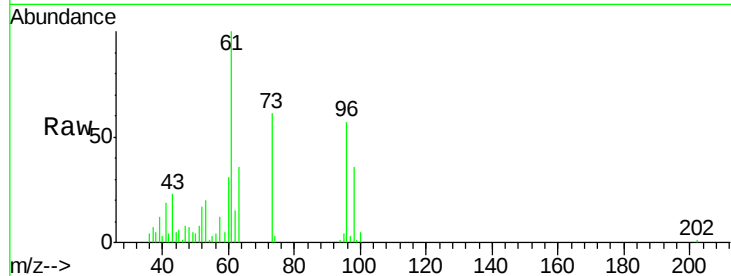




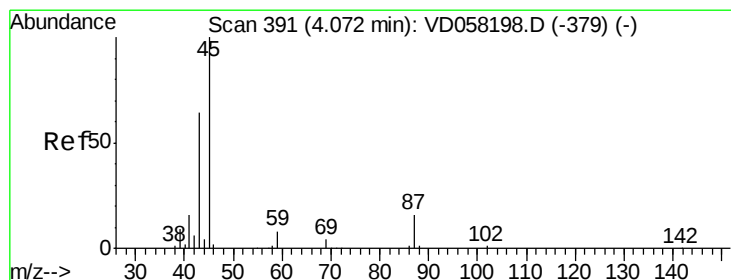
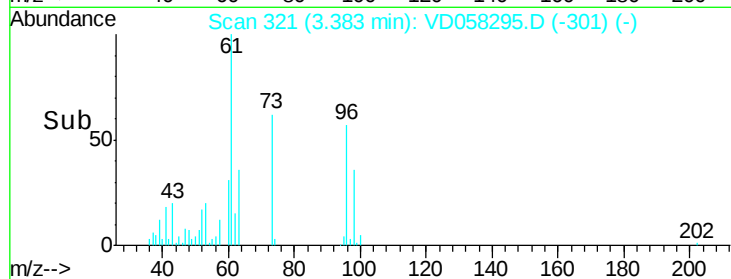
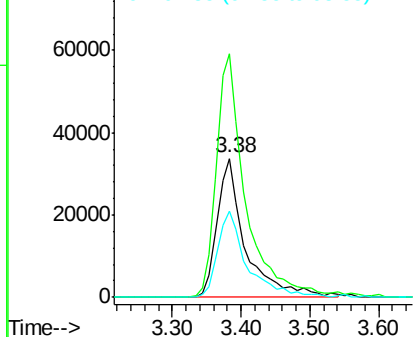
#21
trans-1,2-Dichloroethene
Concen: 28.48 ug/l
RT: 3.38 min Scan# 321
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

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

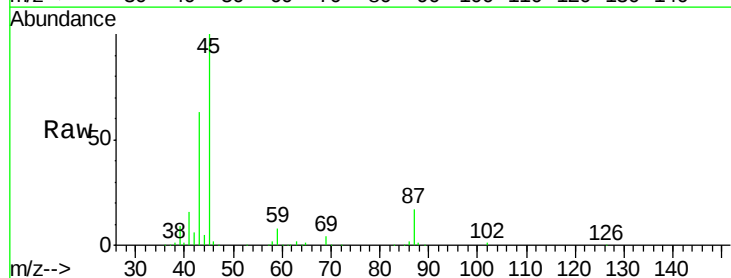


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

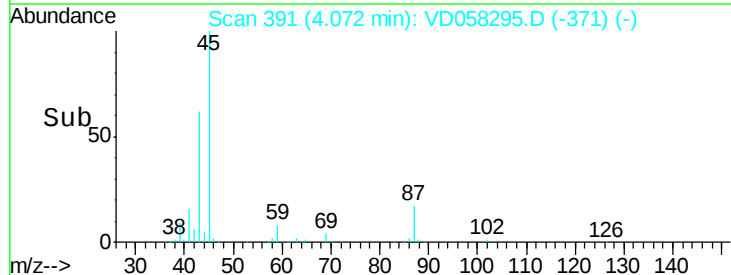
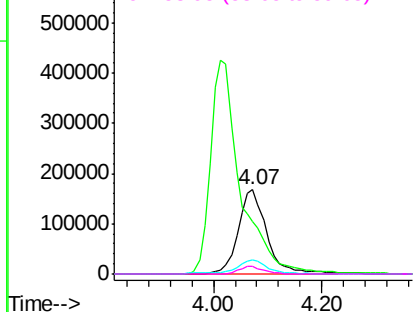


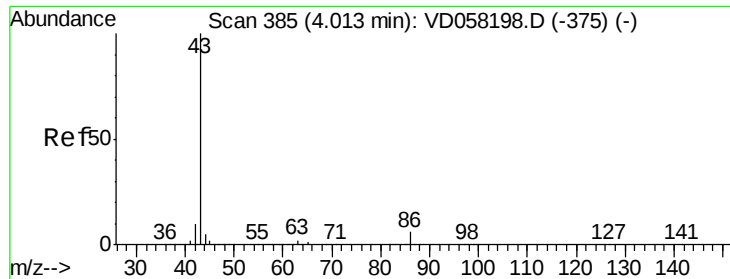
#22
Diisopropyl ether
Concen: 21.50 ug/l
RT: 4.07 min Scan# 391
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

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



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





#23

Vinyl Acetate

Concen: 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 :

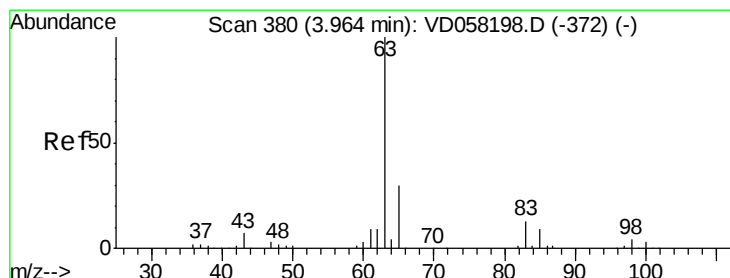
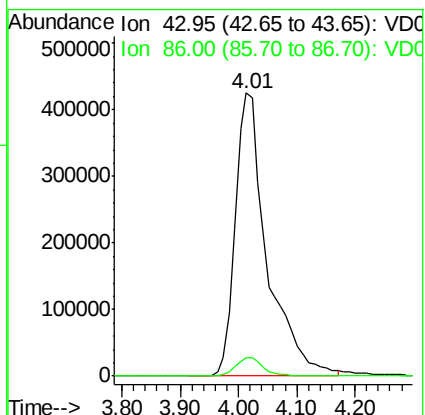
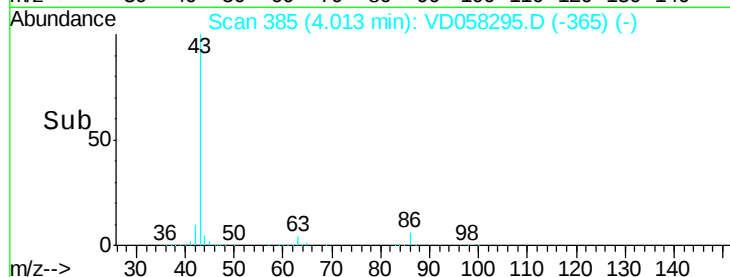
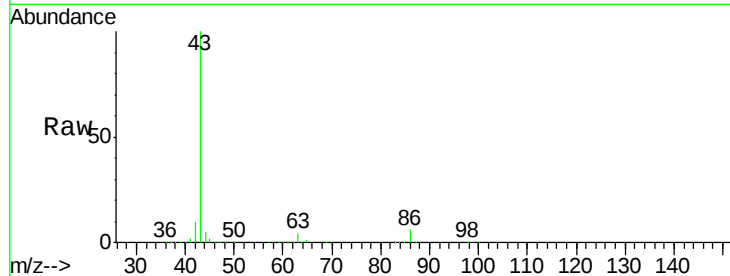
VD0622SBS01

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

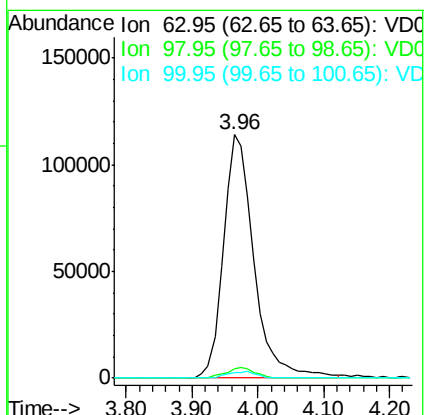
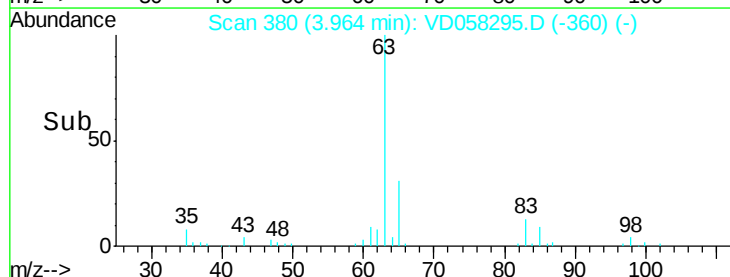
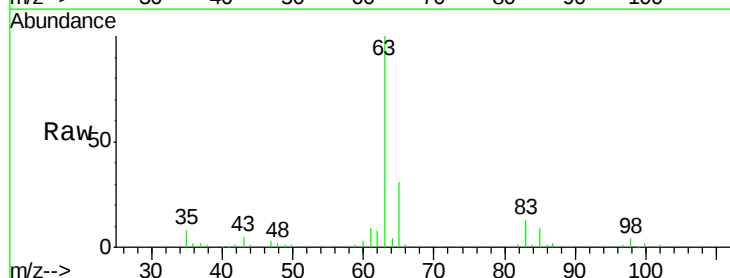
Tgt Ion: 63 Resp: 368533

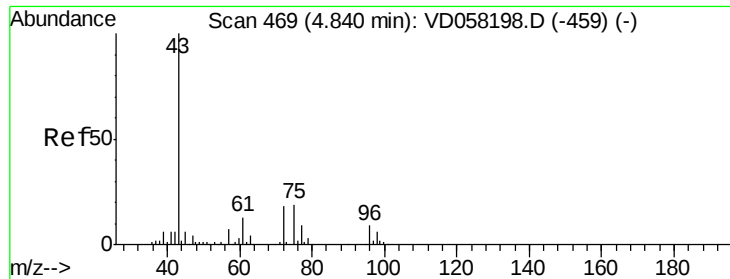
Ion Ratio Lower Upper

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 :

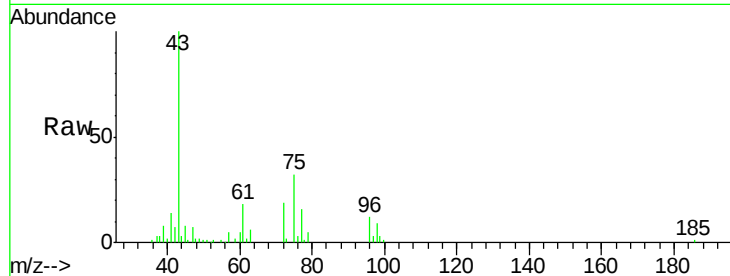
VD0622SBS01

Tot Ion: 43 Resp: 282566

Ion Ratio Lower Upper

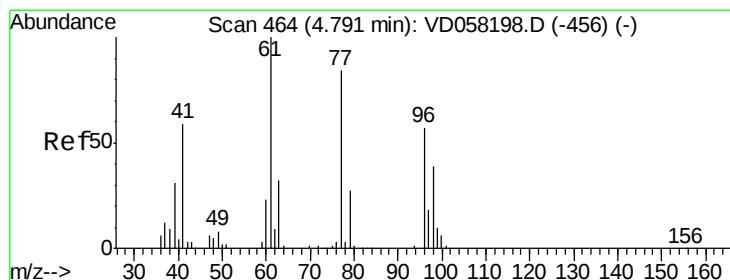
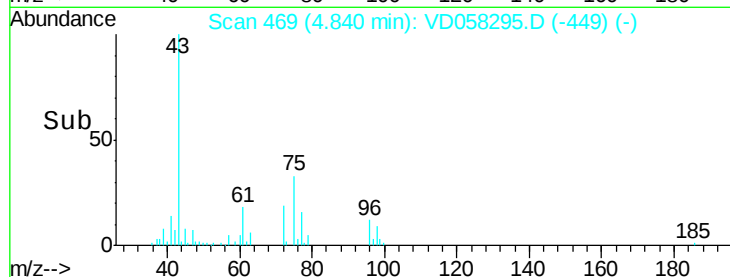
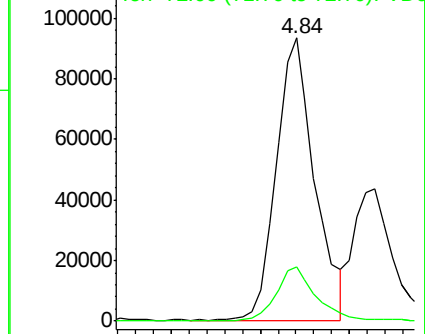
43 100

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



#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

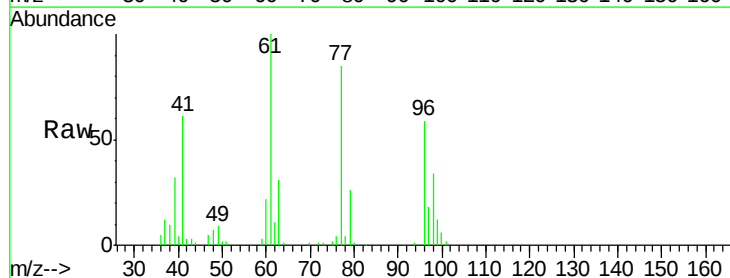
Acq: 22 Jun 2018 14:17

Tgt Ion: 77 Resp: 310780

Ion Ratio Lower Upper

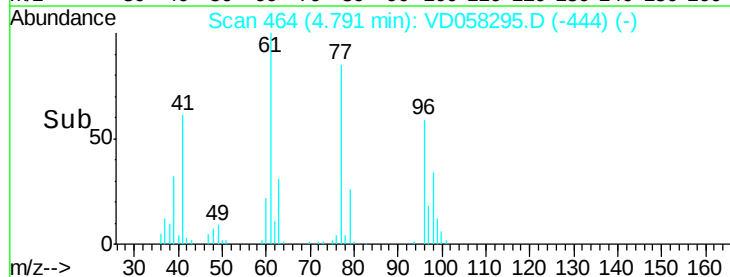
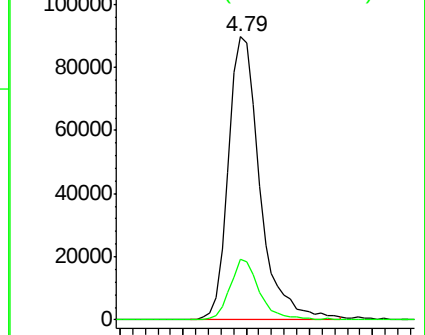
77 100

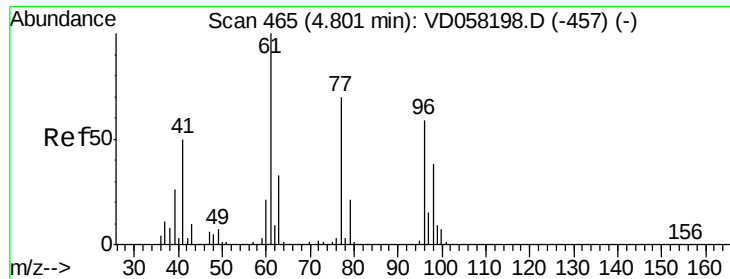
97 21.4 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#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

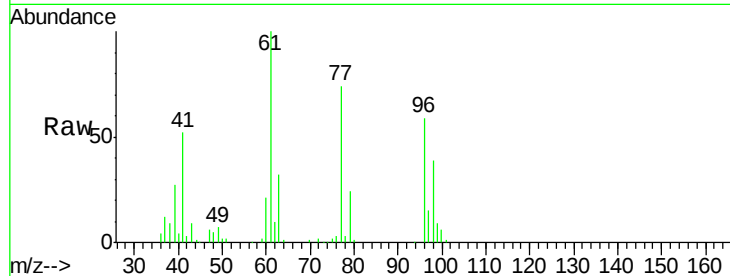
Tot Ion: 96 Resp: 201565

Ion Ratio Lower Upper

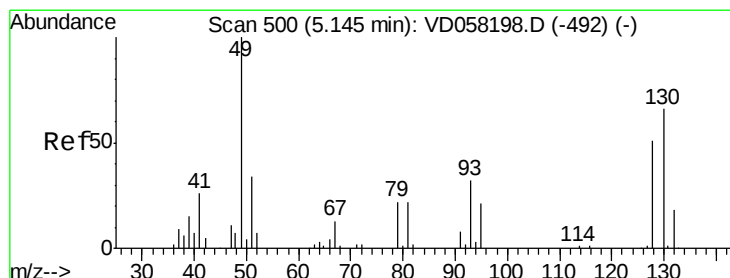
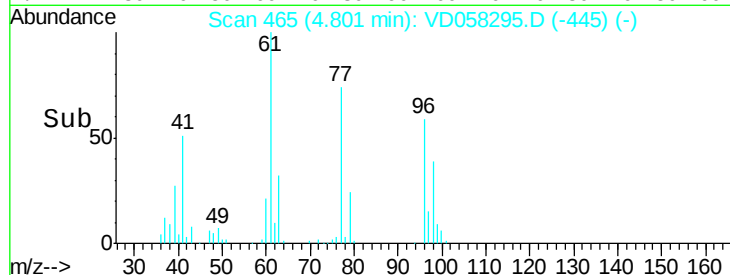
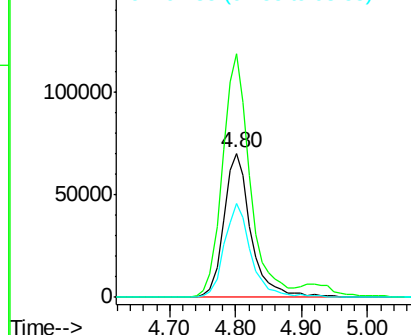
96 100

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

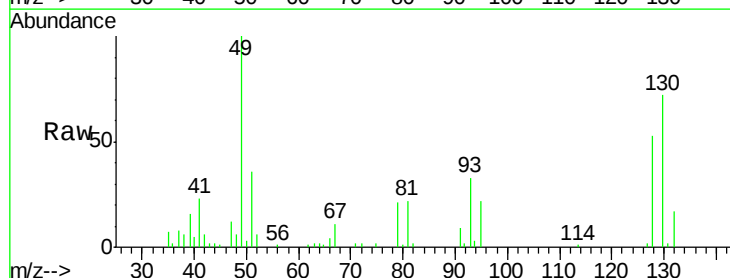
Tgt Ion: 49 Resp: 149157

Ion Ratio Lower Upper

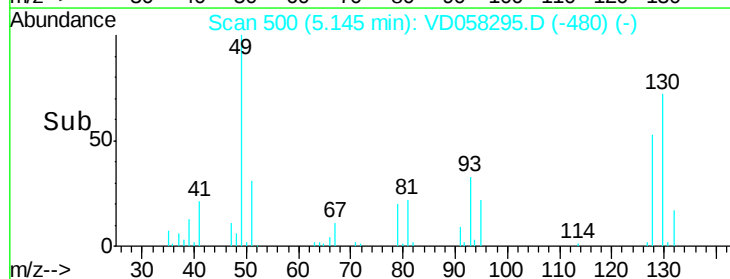
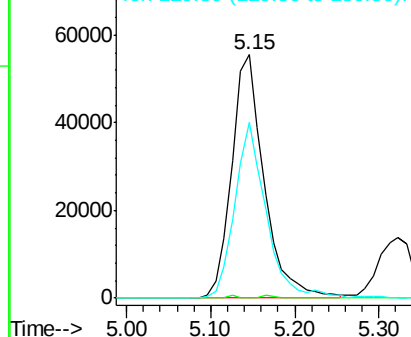
49 100

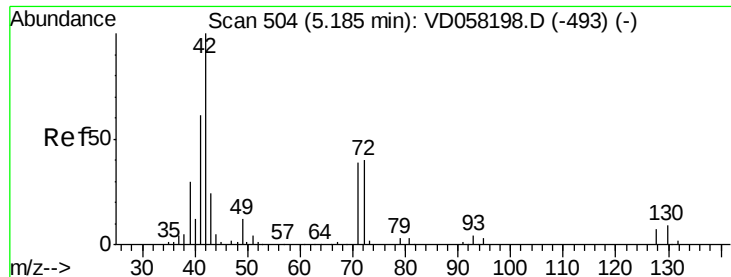
129 0.0 0.0 0.0

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

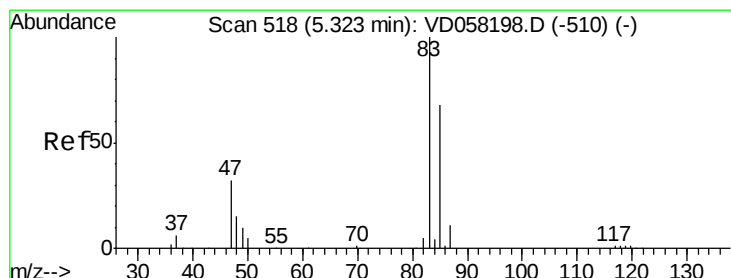
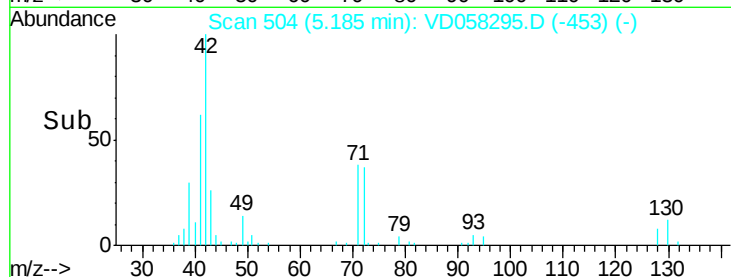
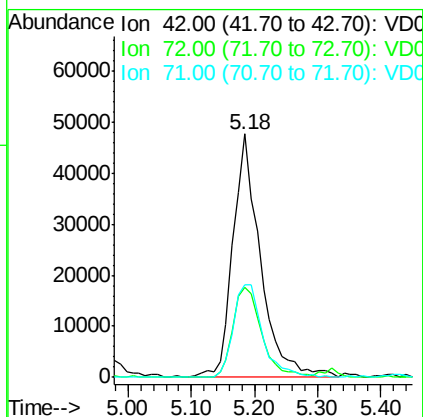
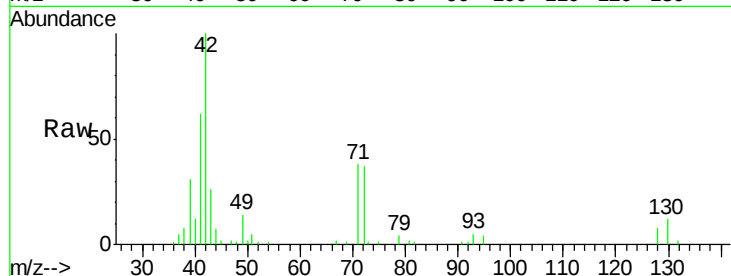




#29
Tetrahydrofuran
Concen: 99.94 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

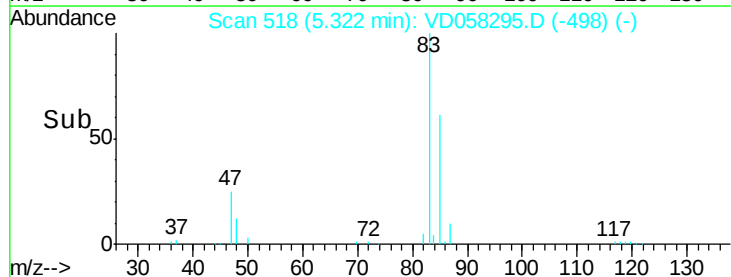
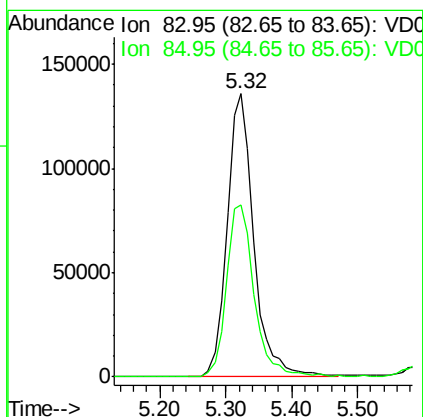
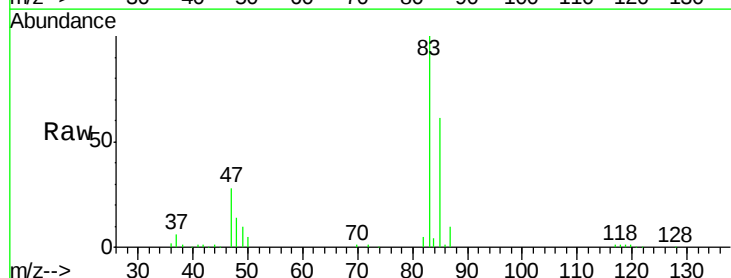
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

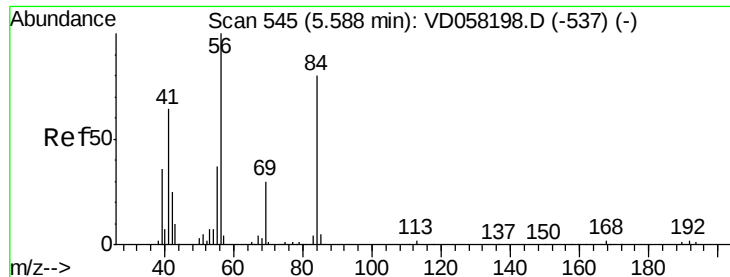
Tot Ion: 42 Resp: 143890
Ion Ratio Lower Upper
42 100
72 38.7 30.2 45.2
71 40.4 30.1 45.1



#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

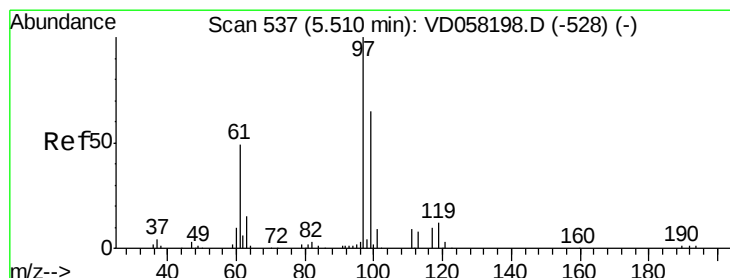
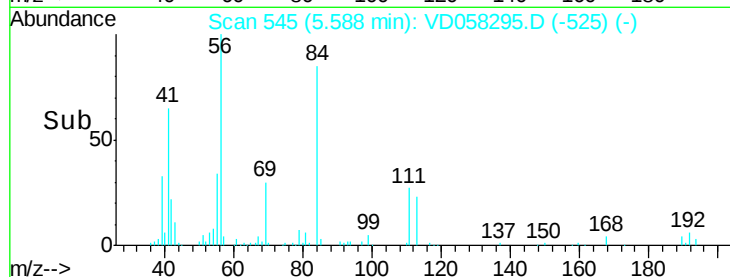
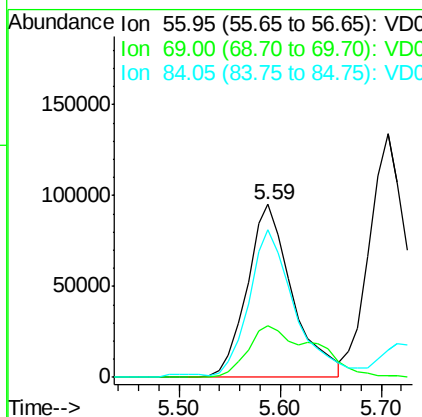
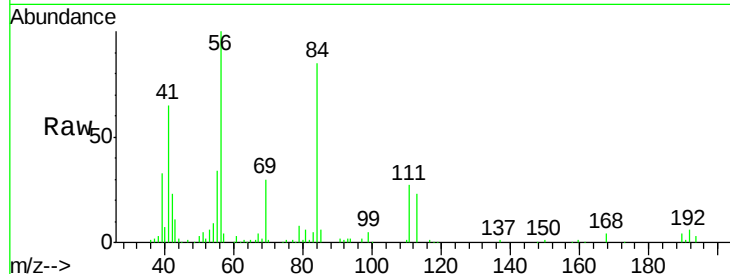




#31
Cyclohexane
Concen: 23.80 ug/l
RT: 5.59 min Scan# 545
Delta R.T. 0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

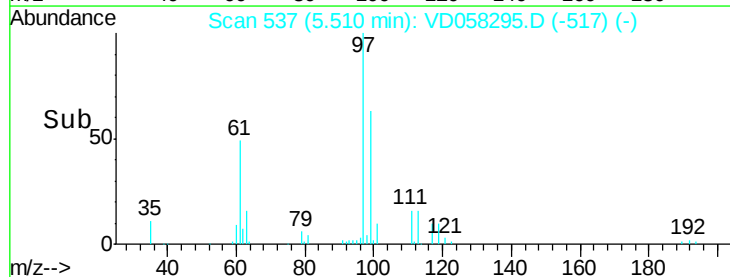
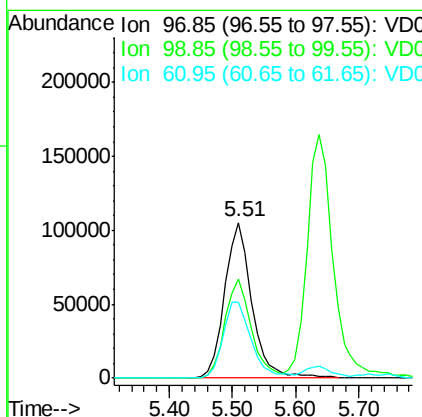
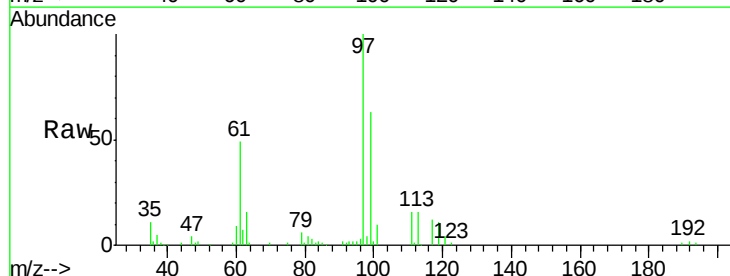
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

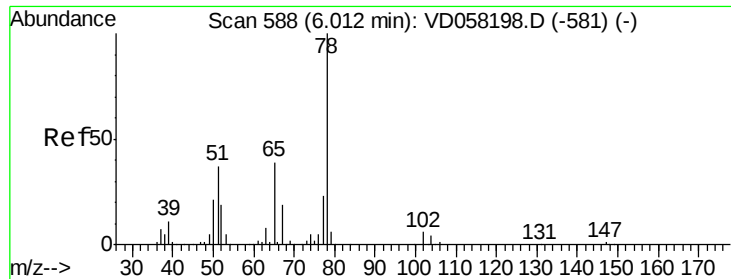
Tot Ion: 56 Resp: 296202
Ion Ratio Lower Upper
56 100
69 29.7 23.6 35.4
84 85.3 65.2 97.8



#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

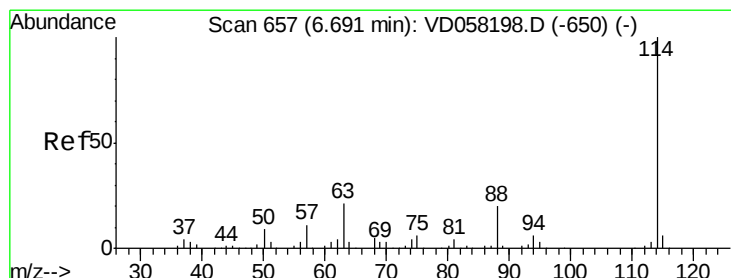
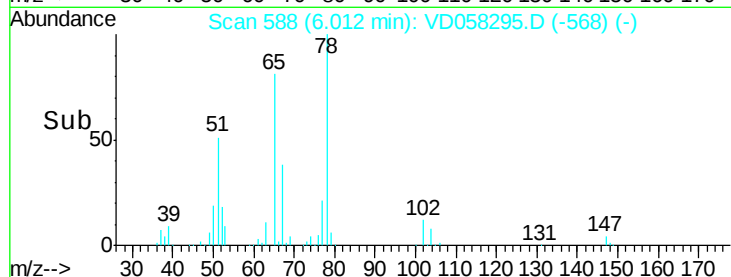
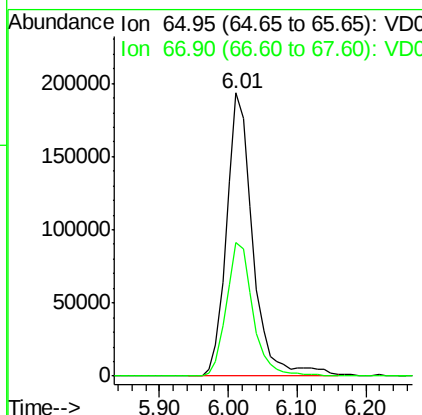
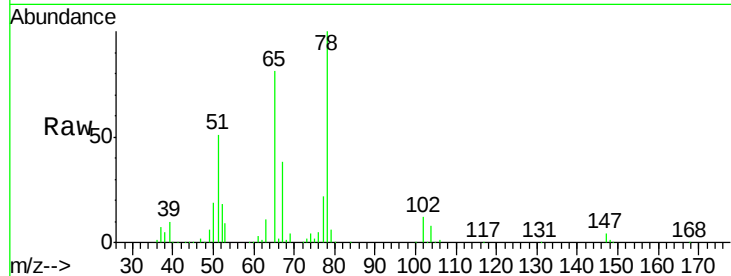




#33
 1,2-Dichloroethane-d4
 Concen: 23.40 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

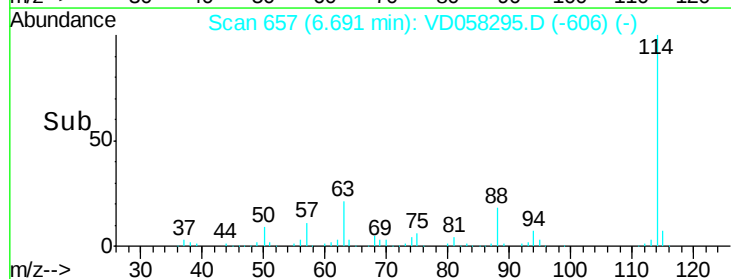
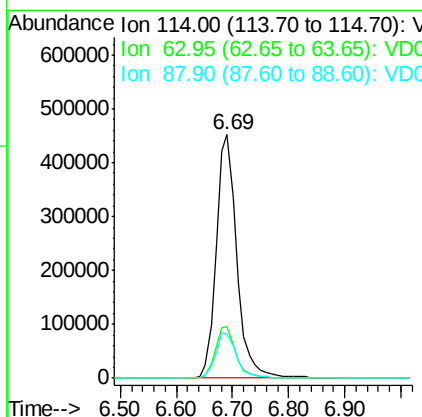
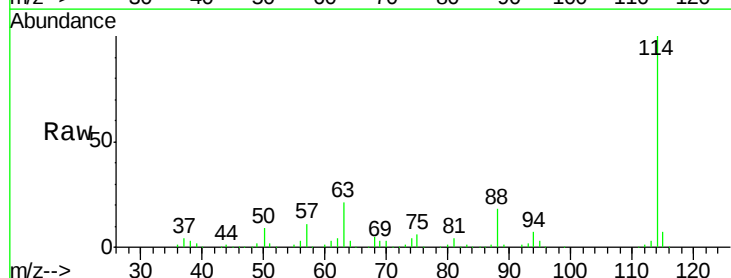
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

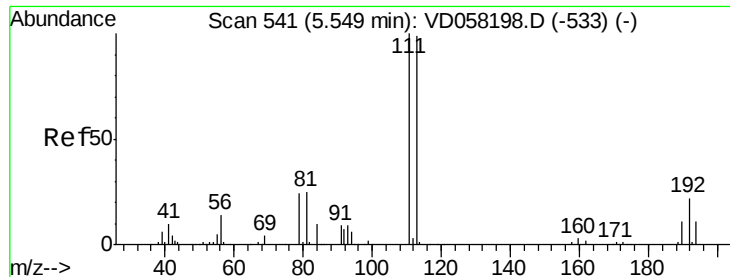
Tot Ion: 65 Resp: 512053
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 97.8



#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 :

VD0622SBSD01

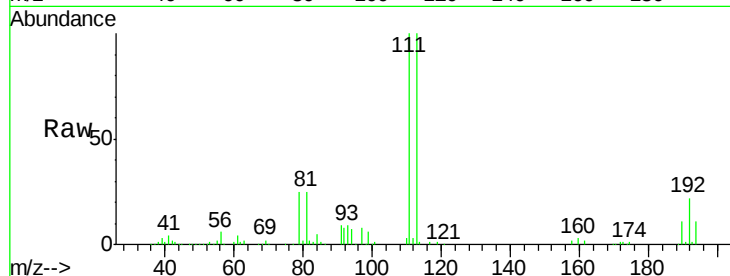
Tot Ion:113 Resp: 535662

Ion Ratio Lower Upper

113 100

111 100.5 80.6 121.0

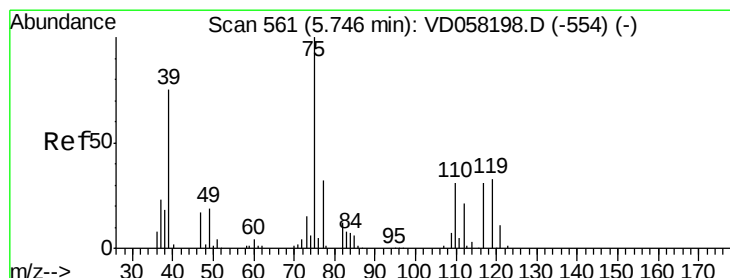
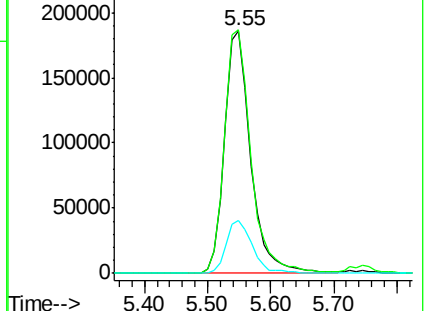
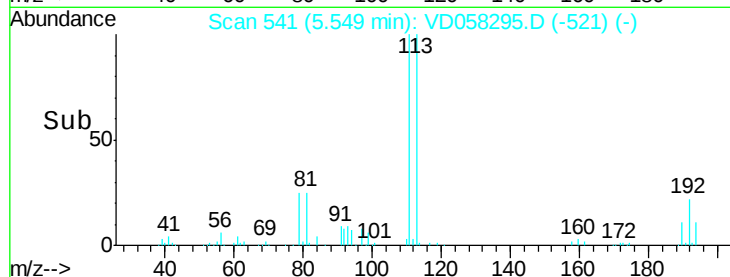
192 21.9 17.8 26.6



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

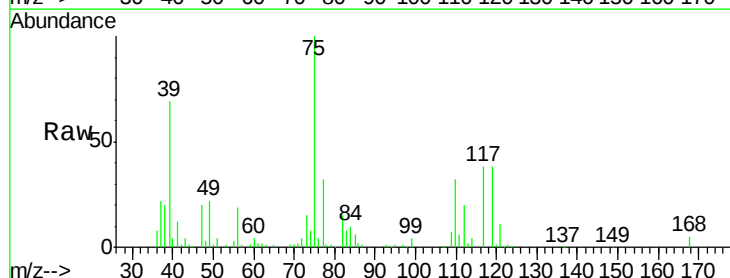
Tgt Ion: 75 Resp: 277821

Ion Ratio Lower Upper

75 100

110 31.7 15.4 46.4

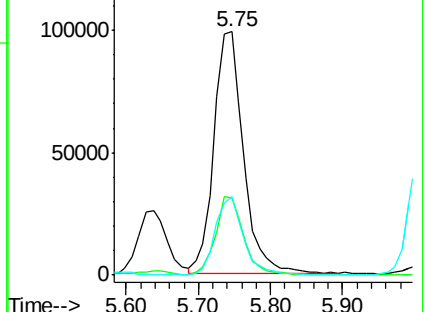
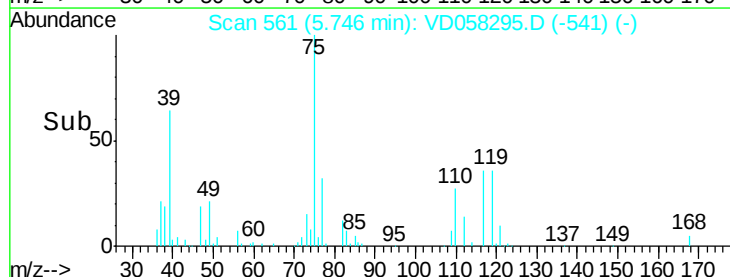
77 32.5 25.4 38.2

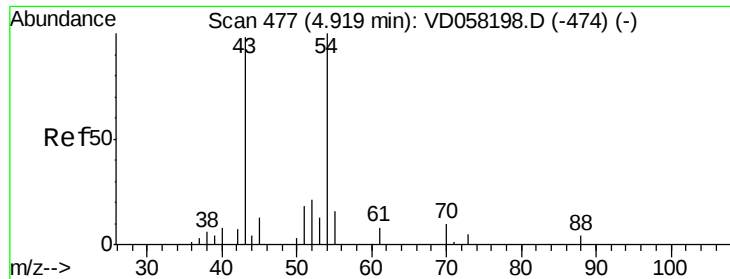


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

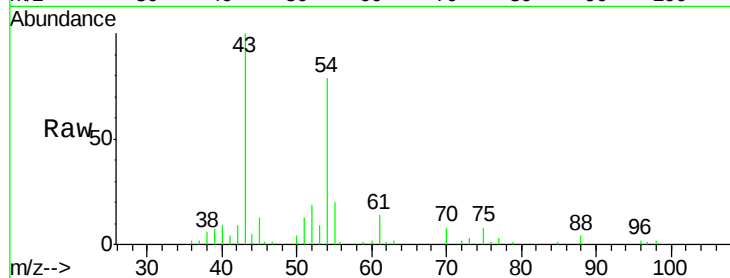




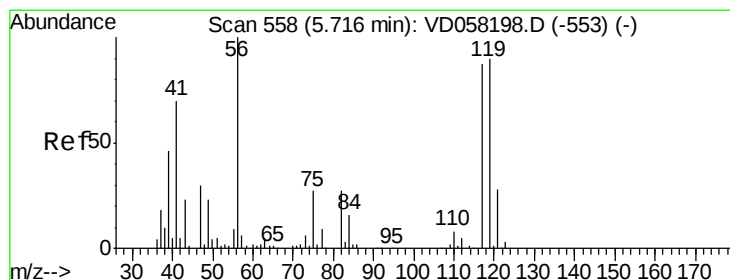
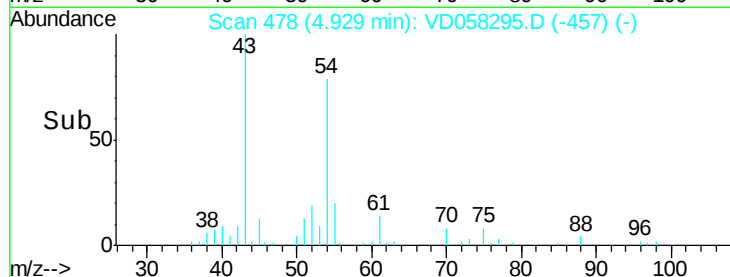
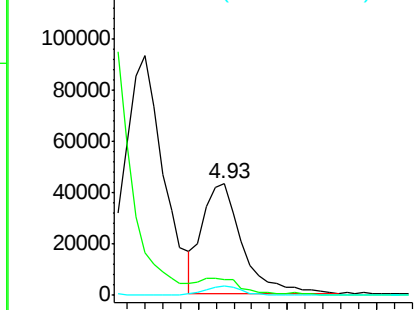
#37
Ethyl Acetate
Concen: 20.31 ug/l
RT: 4.93 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

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

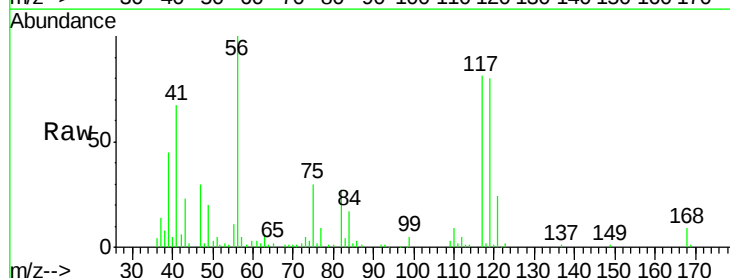


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

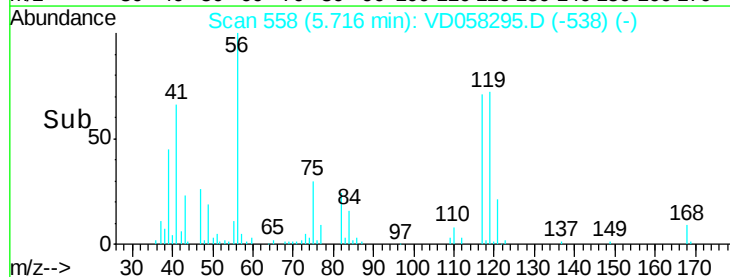
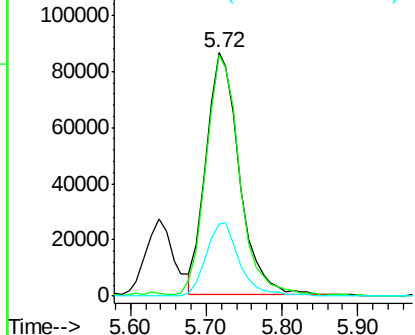


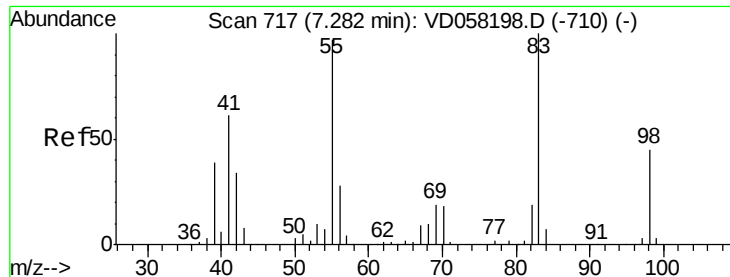
#38
Carbon Tetrachloride
Concen: 23.28 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

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

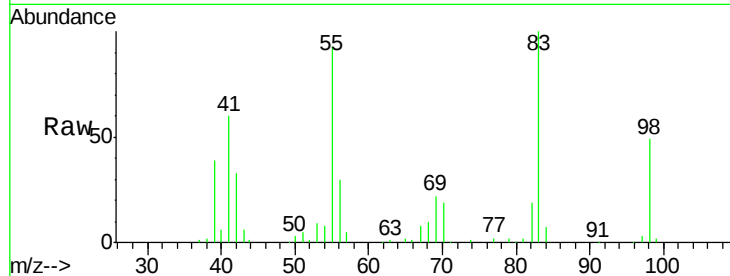




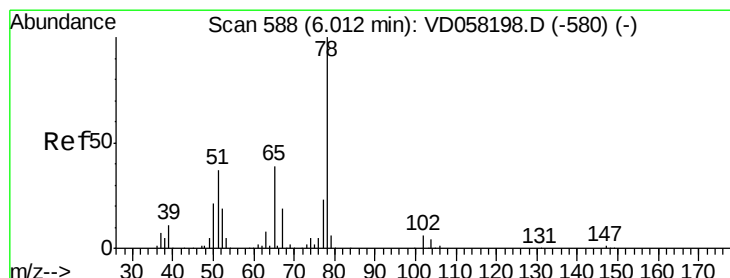
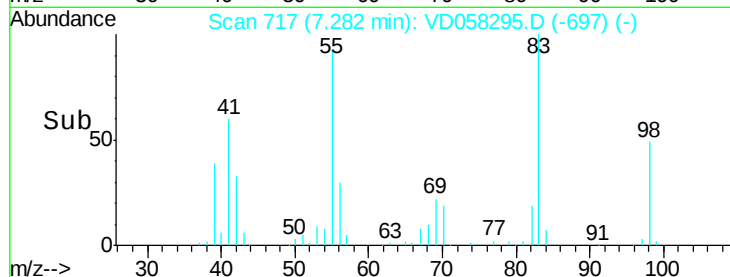
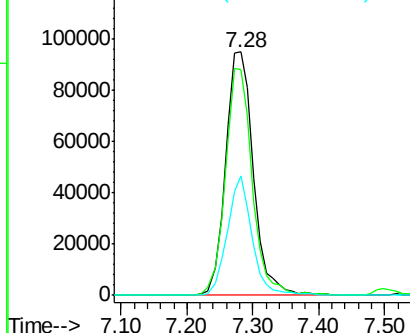
#39
Methylcyclohexane
Concen: 25.13 ug/l
RT: 7.28 min Scan# 717
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

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

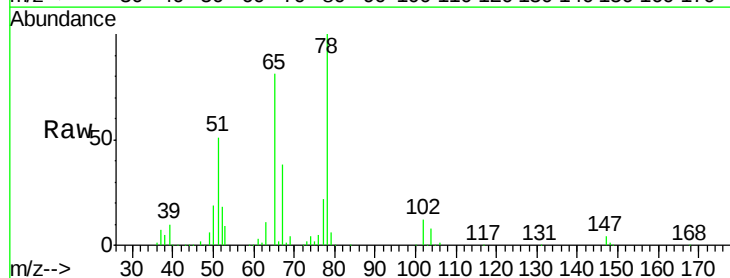


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

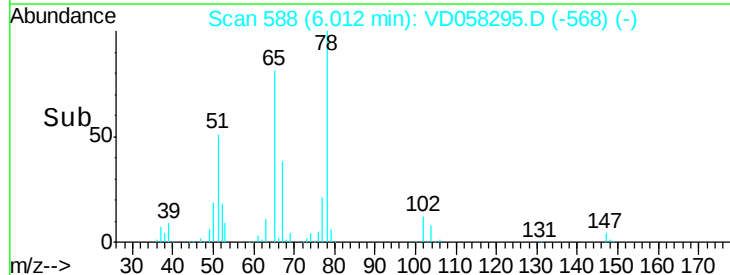
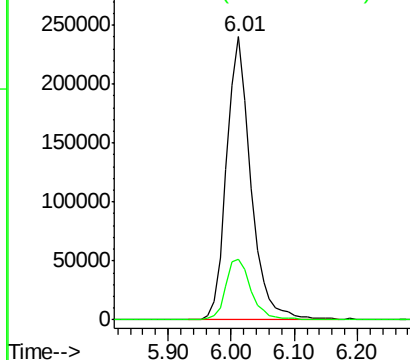


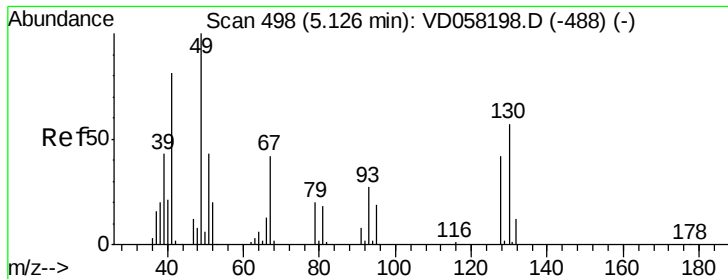
#40
Benzene
Concen: 23.43 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

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

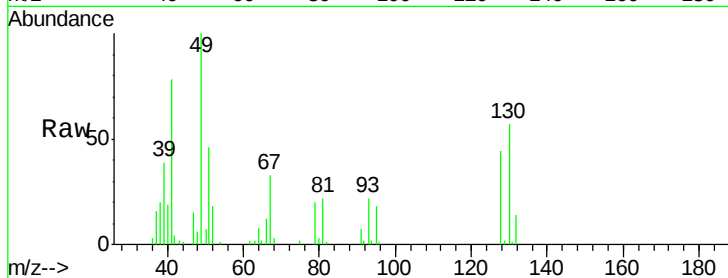




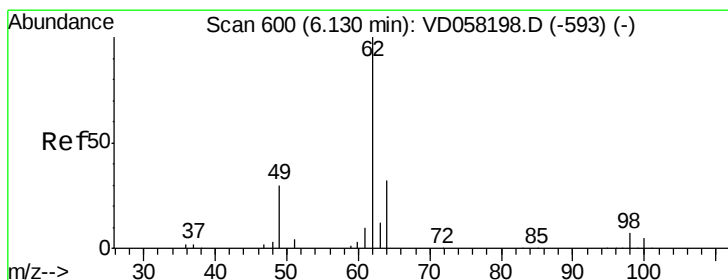
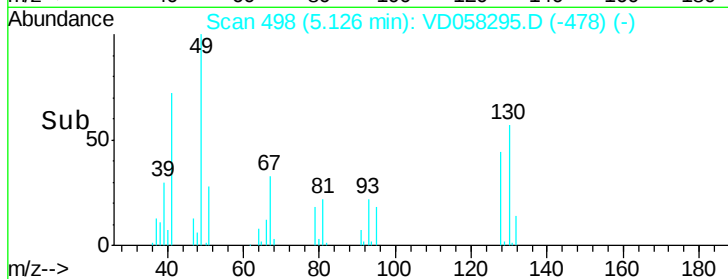
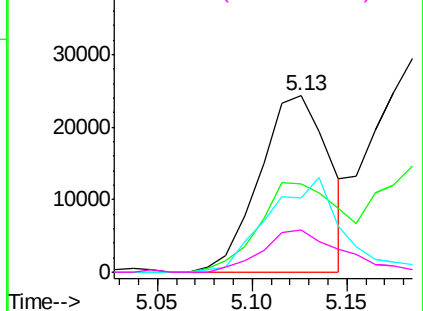
#41
Methacrylonitrile
Concen: 19.79 ug/l
RT: 5.13 min Scan# 498
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

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

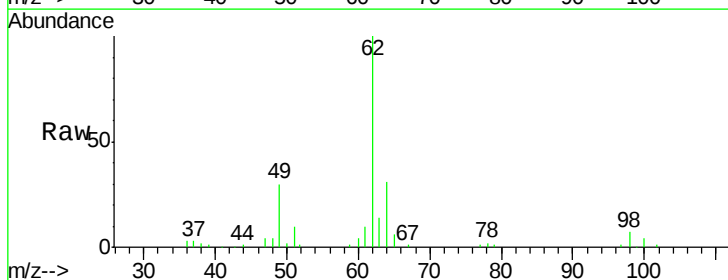


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

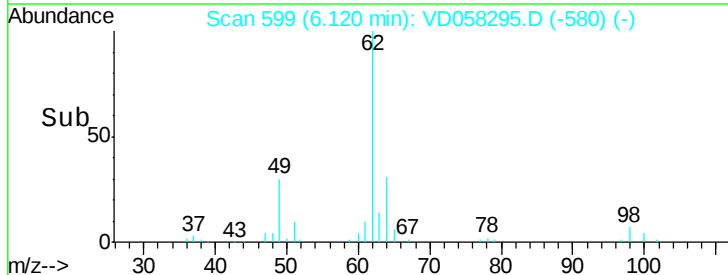
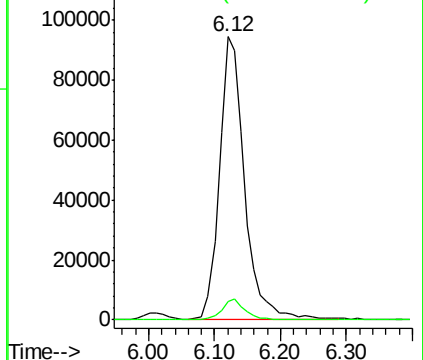


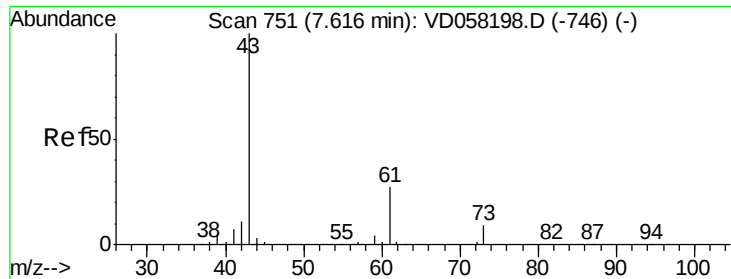
#42
1,2-Dichloroethane
Concen: 22.76 ug/l
RT: 6.12 min Scan# 599
Delta R.T. -0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

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



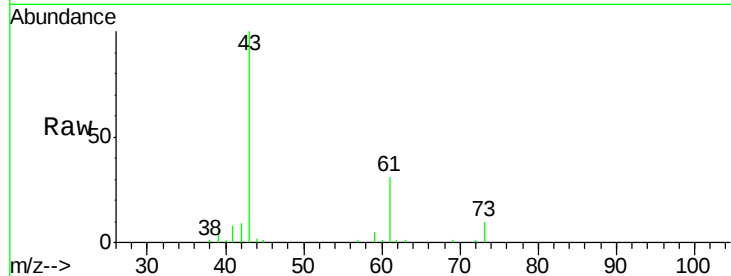


#43

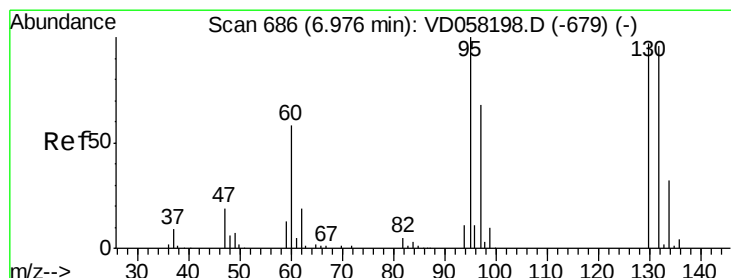
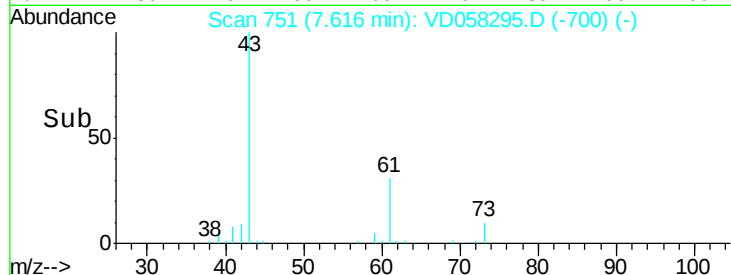
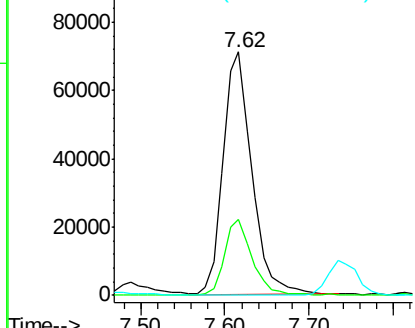
Isopropyl Acetate
 Concen: 19.28 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

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#



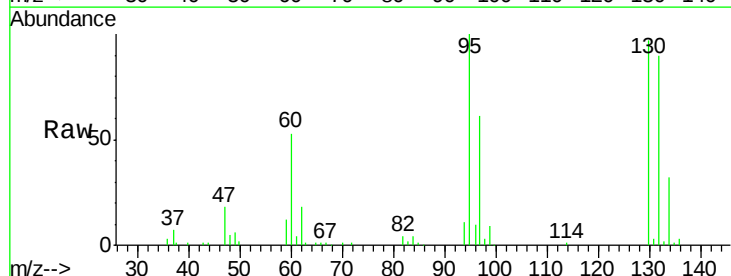
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



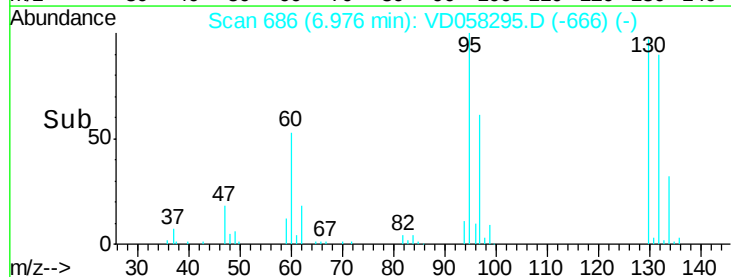
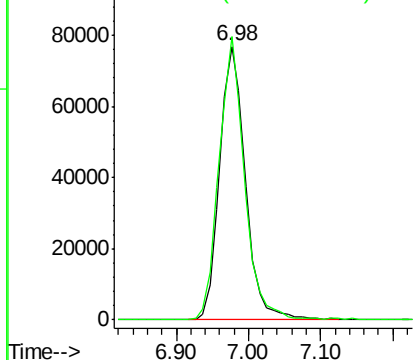
#44

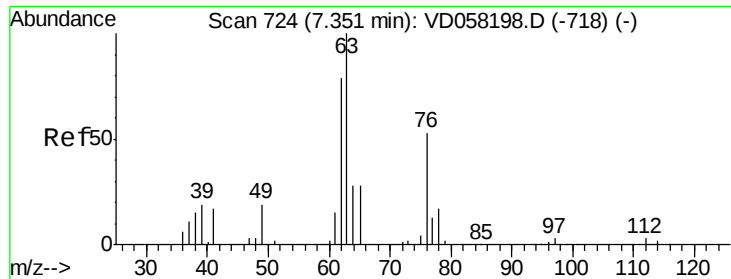
Trichloroethene
 Concen: 23.14 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

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): VDC
 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 :

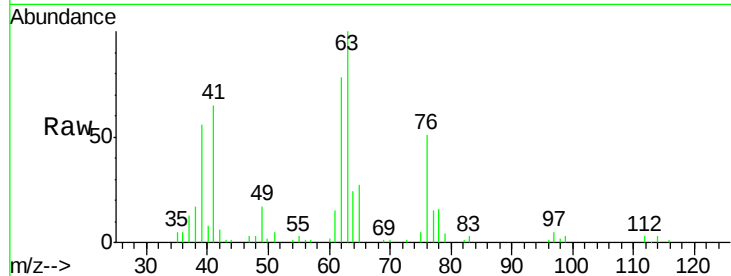
VD0622SBS01

Tot Ion: 63 Resp: 172268

Ion Ratio Lower Upper

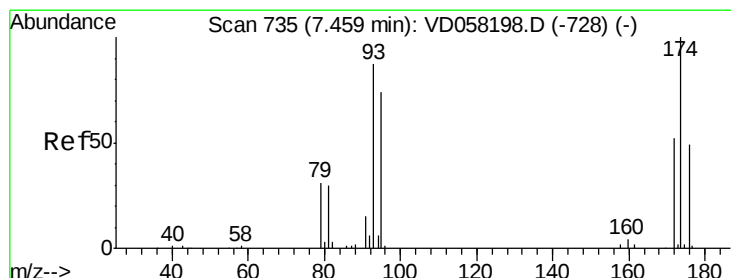
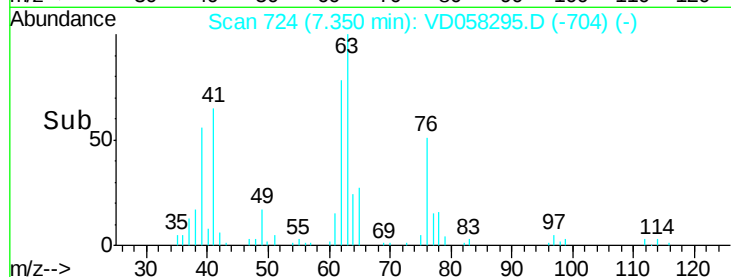
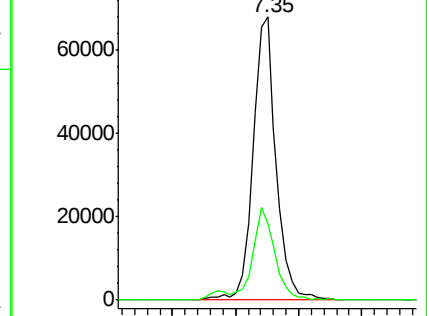
63 100

65 27.1 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#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

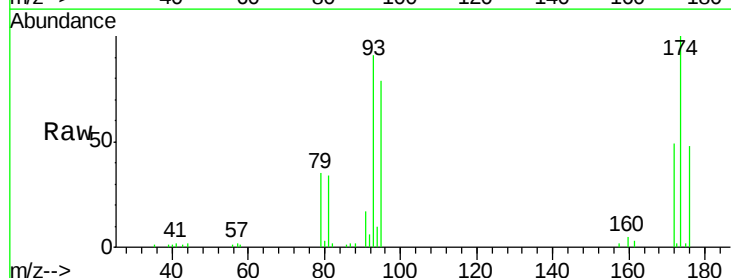
Tgt Ion: 93 Resp: 110532

Ion Ratio Lower Upper

93 100

95 86.4 67.8 101.6

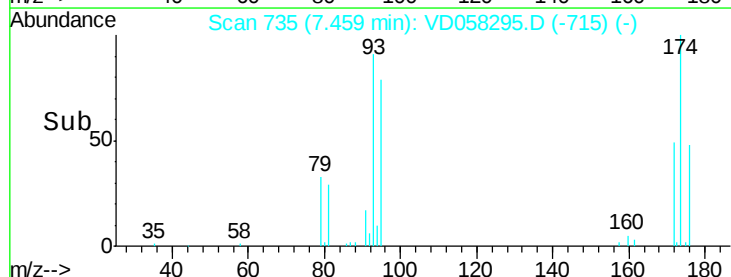
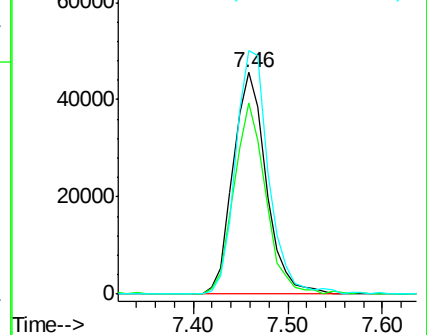
174 109.8 92.2 138.2

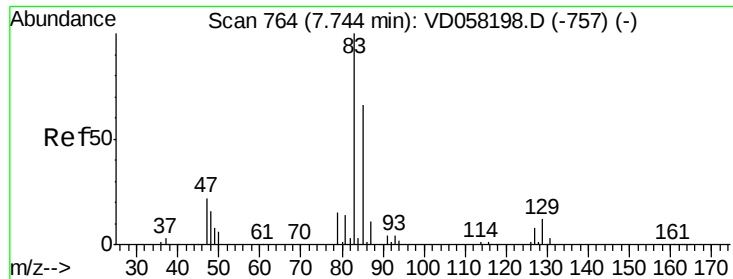


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.55 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

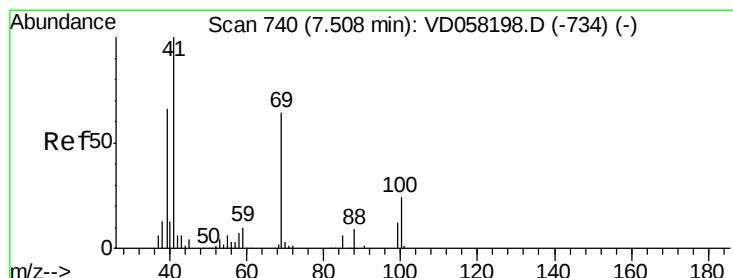
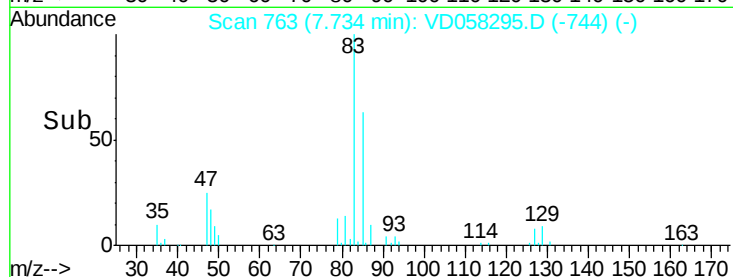
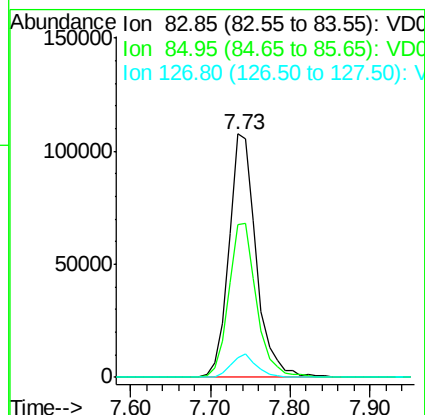
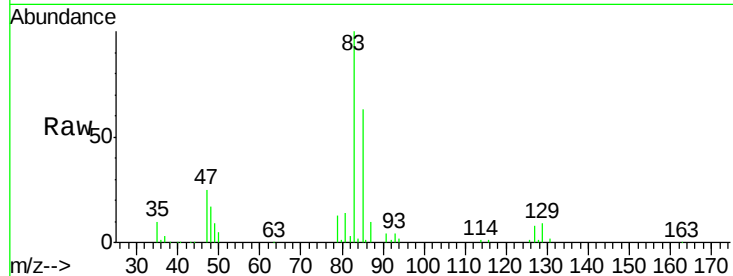
Tot Ion: 83 Resp: 258166

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

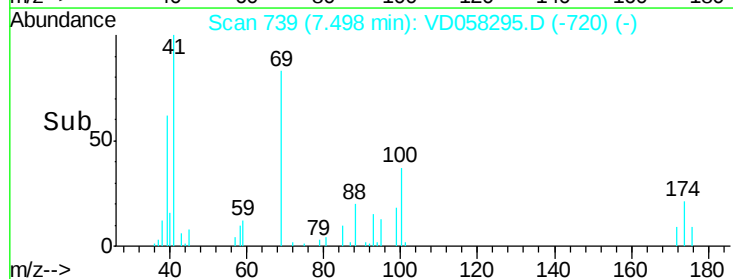
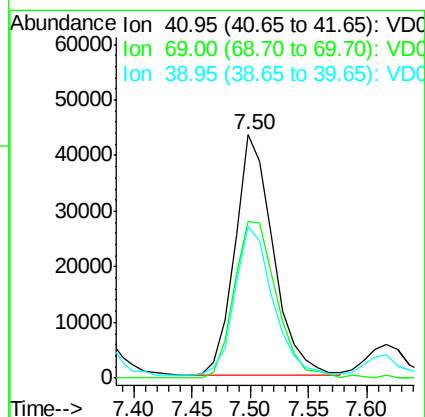
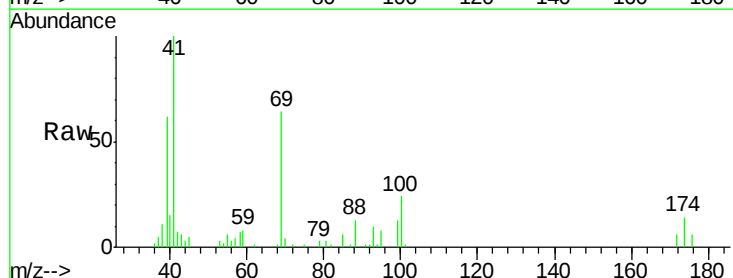
Tgt Ion: 41 Resp: 98958

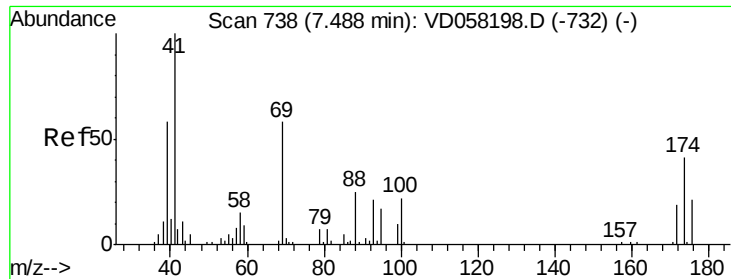
Ion Ratio Lower Upper

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 :

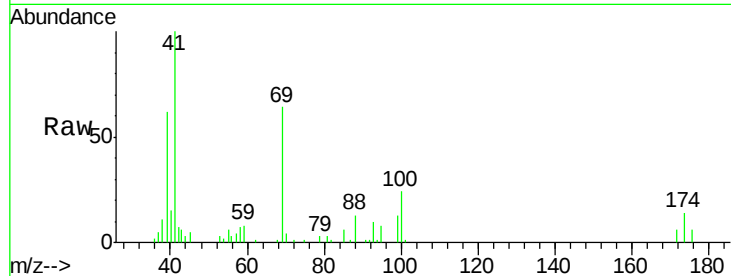
MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 88 Resp: 19620

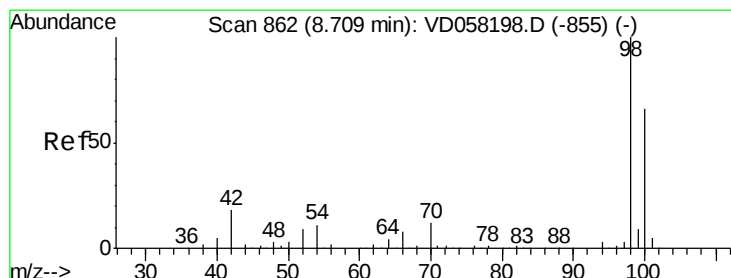
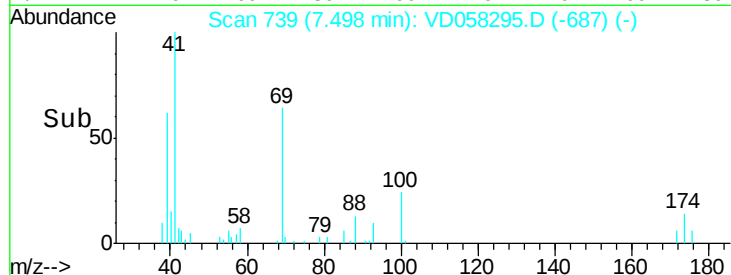
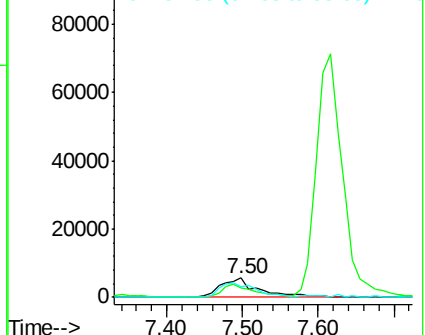
Ion	Ratio	Lower	Upper
88	100		
43	49.8	34.2	51.2
58	53.0	47.9	71.9



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

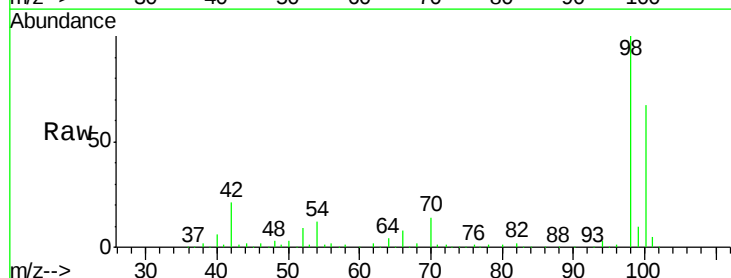
Delta R.T. -0.01 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

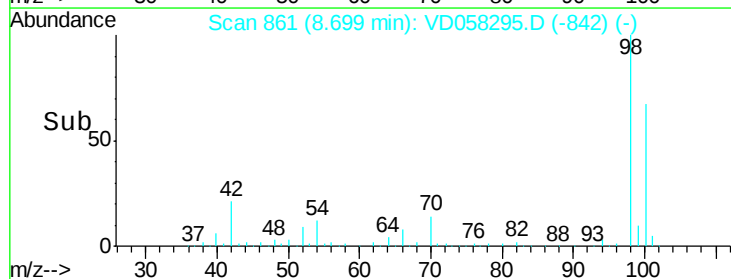
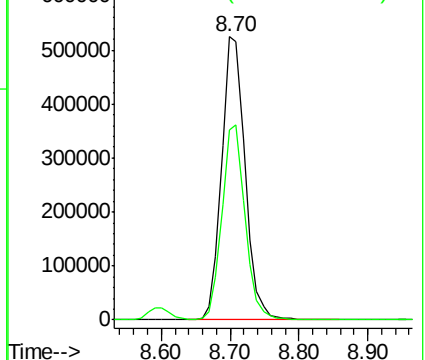
Tgt Ion: 98 Resp: 1239344

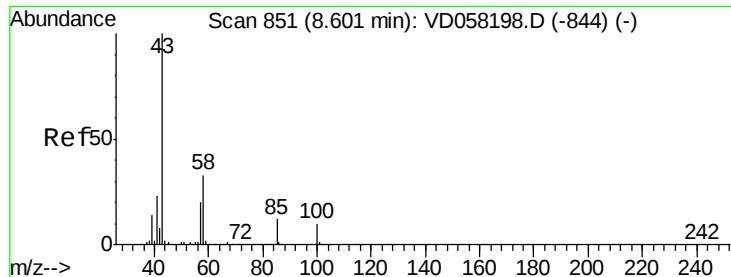
Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.6	80.4



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 :

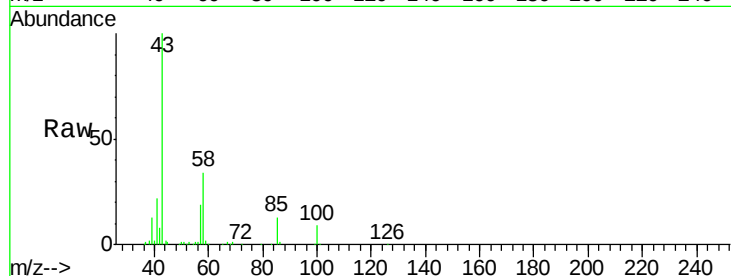
VD0622SBS01

Tot Ion: 43 Resp: 580815

Ion Ratio Lower Upper

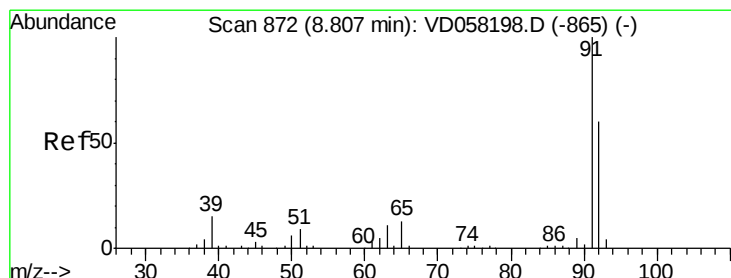
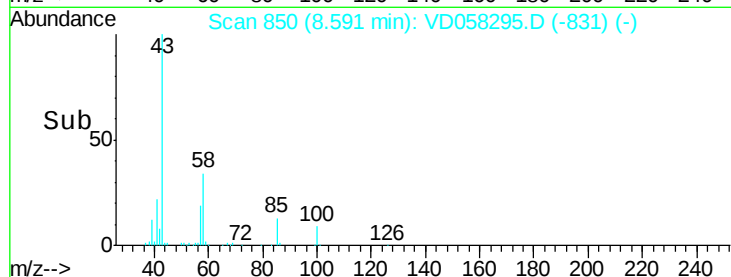
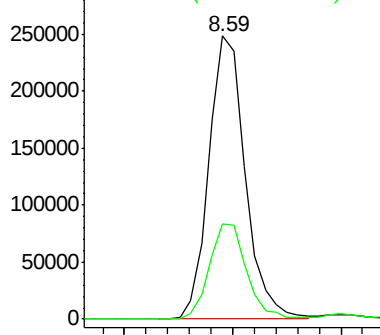
43 100

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



#52

Toluene

Concen: 22.80 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058295.D

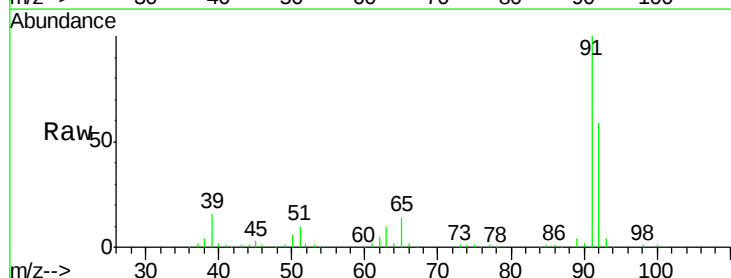
Acq: 22 Jun 2018 14:17

Tgt Ion: 92 Resp: 354465

Ion Ratio Lower Upper

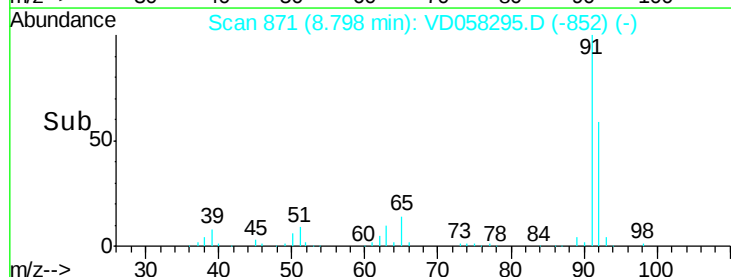
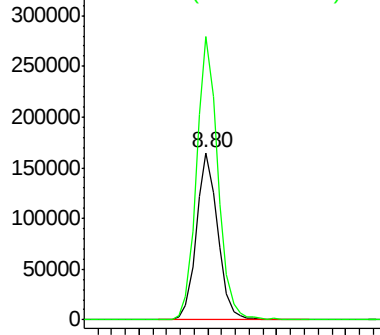
92 100

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

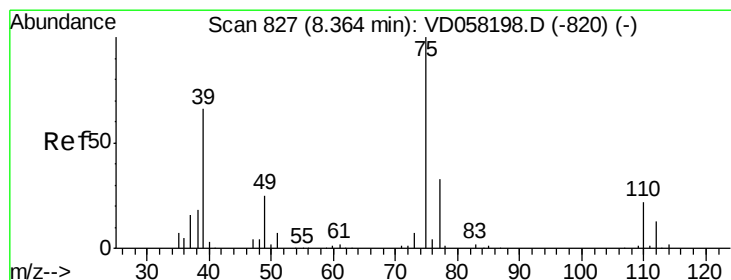
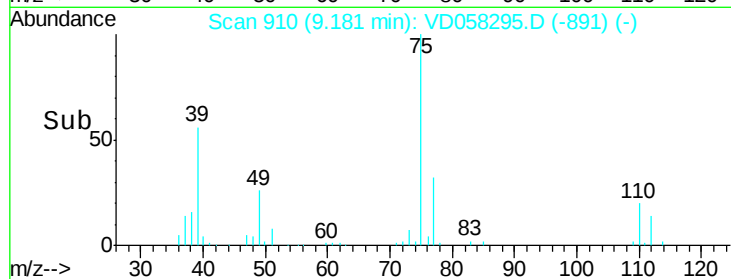
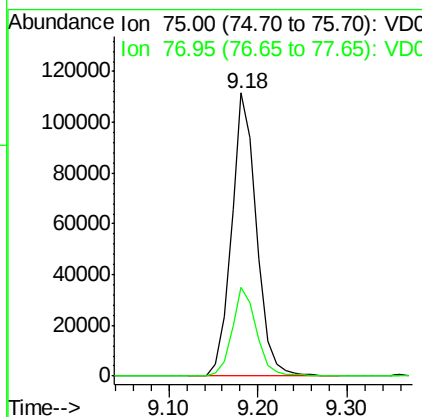
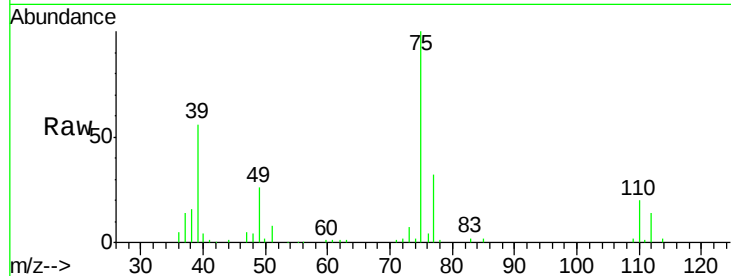




#53
 t-1,3-Dichloropropene
 Concen: 21.94 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

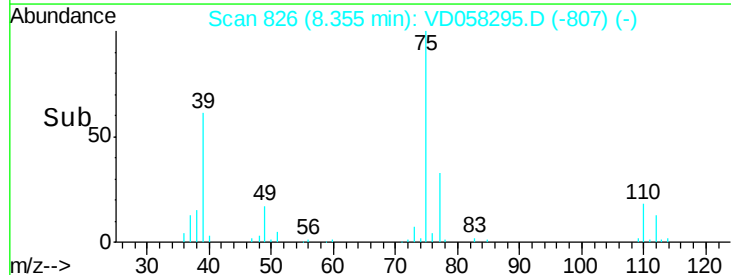
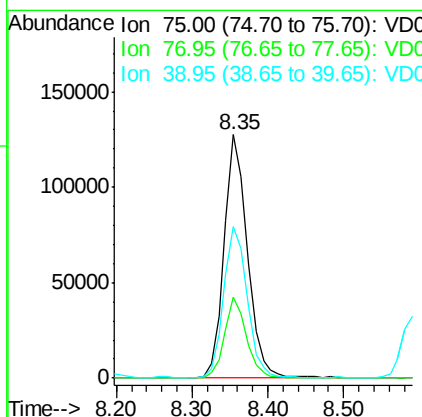
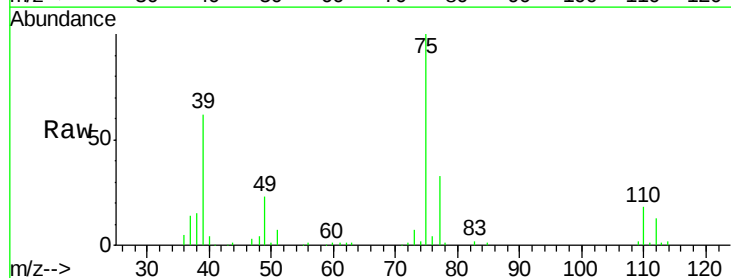
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

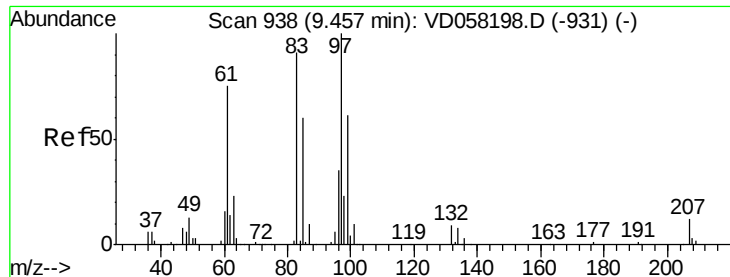
Tot Ion: 75 Resp: 218428
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.8



#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 :

VD0622SBS01

Tot Ion: 97 Resp: 126920

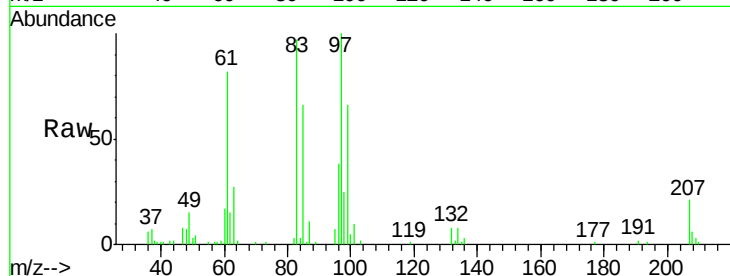
Ion Ratio Lower Upper

97 100

83 97.0 72.9 109.3

85 65.9 48.2 72.4

99 65.8 48.9 73.3



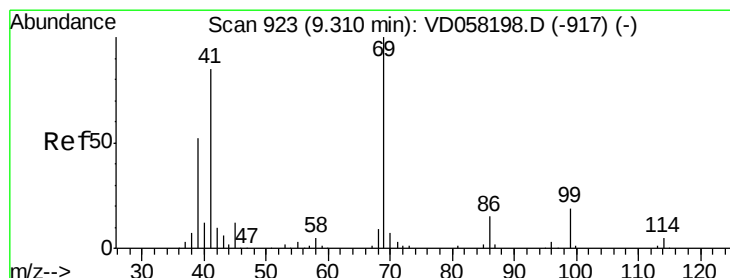
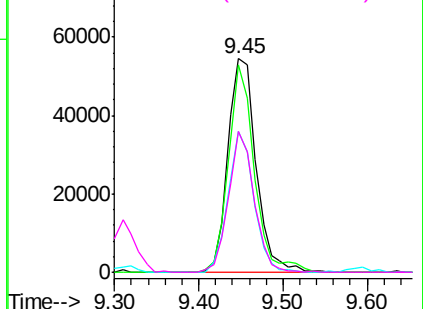
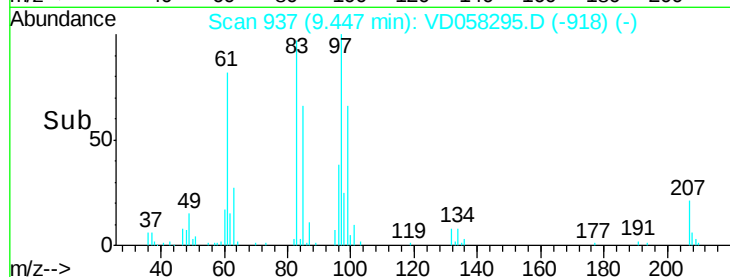
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.55 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD058295.D

Acq: 22 Jun 2018 14:17

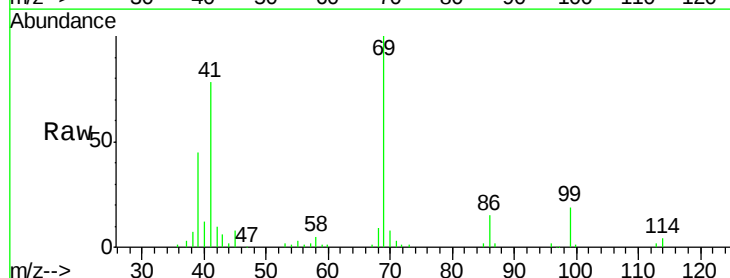
Tgt Ion: 69 Resp: 141776

Ion Ratio Lower Upper

69 100

41 77.5 67.6 101.4

39 45.4 42.2 63.2

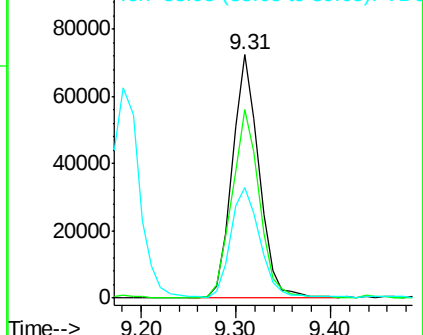
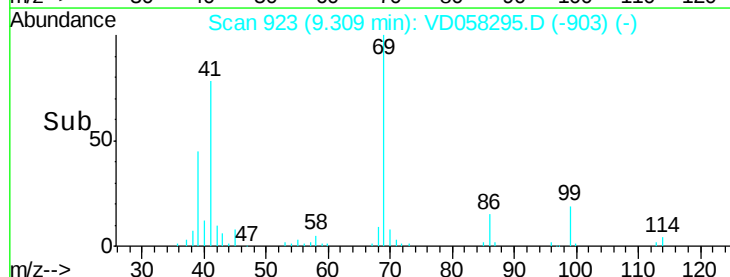


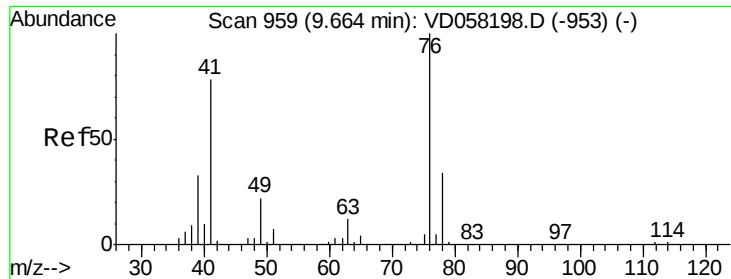
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 23.11 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 :

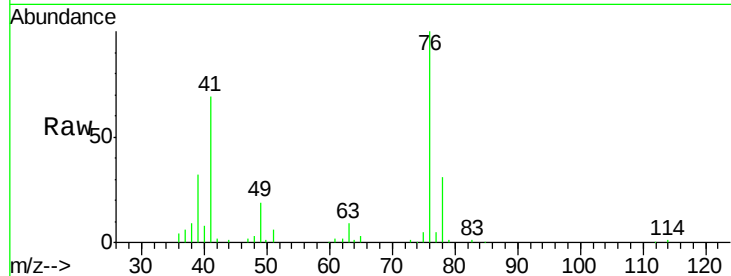
VD0622SBSD01

Tot Ion: 76 Resp: 214163

Ion Ratio Lower Upper

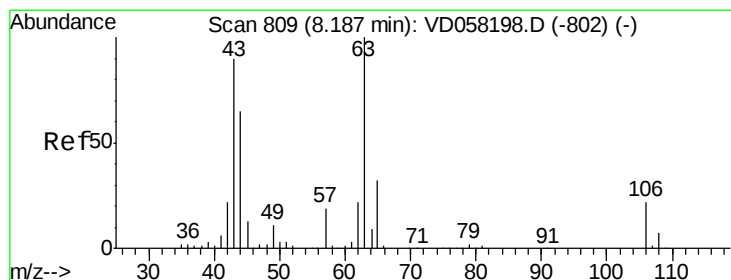
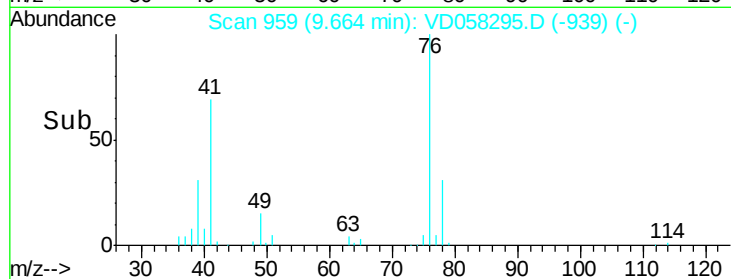
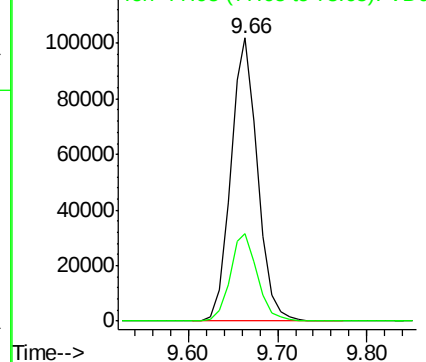
76 100

78 31.1 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 110.27 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD058295.D

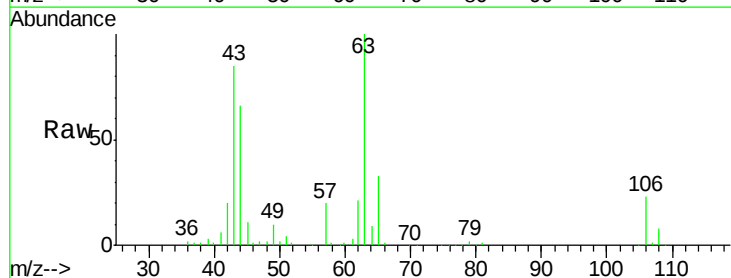
Acq: 22 Jun 2018 14:17

Tgt Ion: 63 Resp: 359192

Ion Ratio Lower Upper

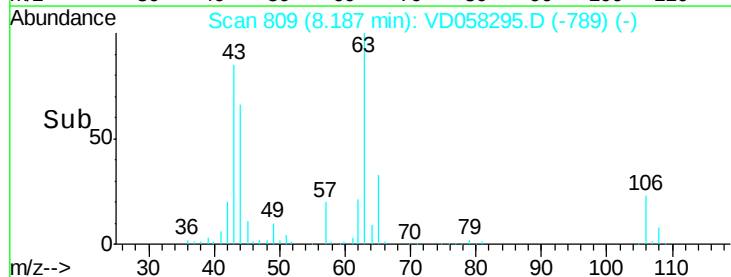
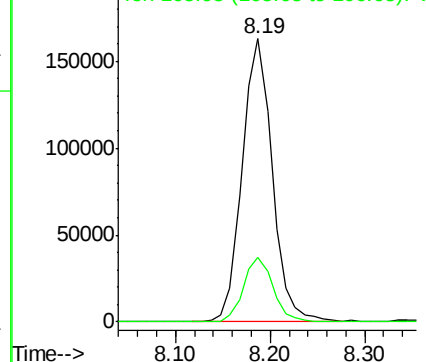
63 100

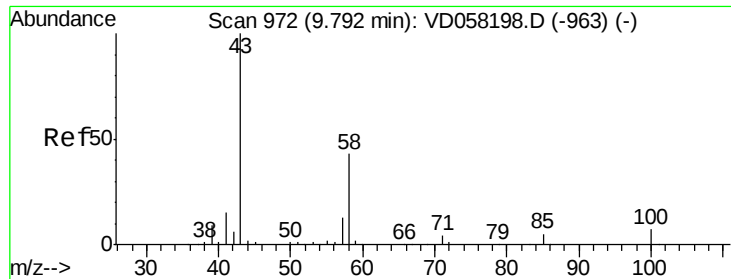
106 22.6 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

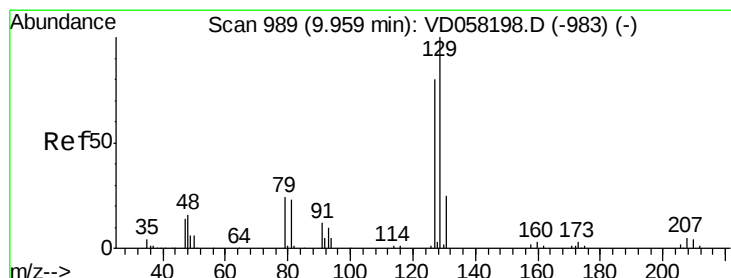
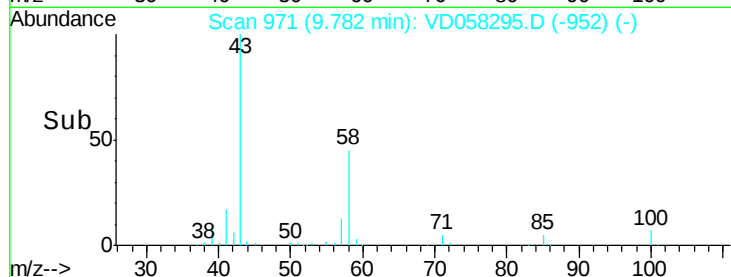
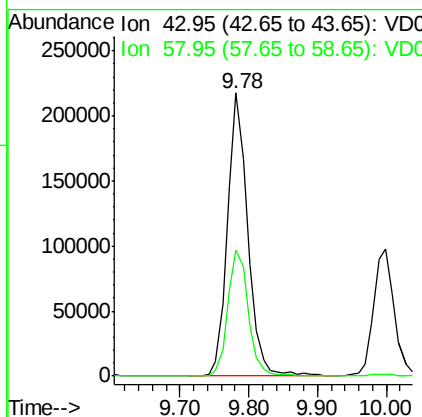
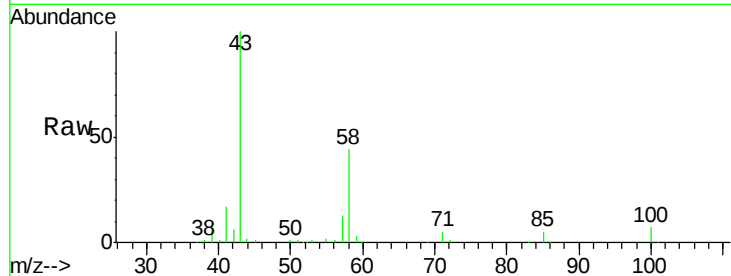




#59
2-Hexanone
Concen: 108.58 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

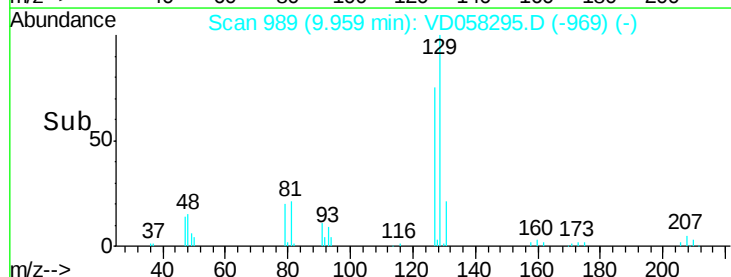
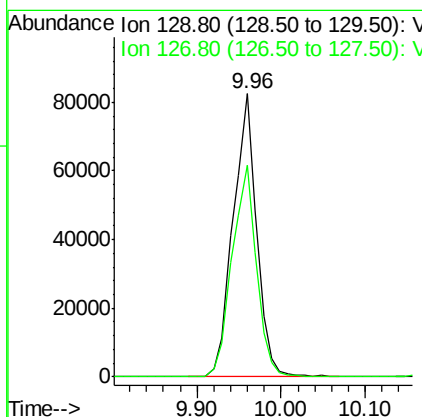
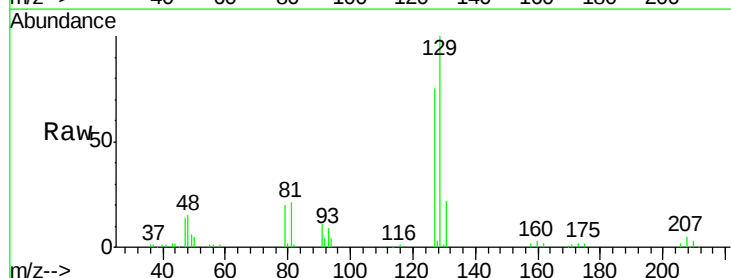
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

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 :

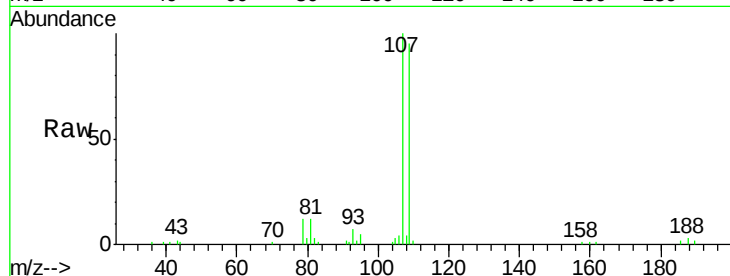
VD0622SBS01

Tot Ion:107 Resp: 134182

Ion Ratio Lower Upper

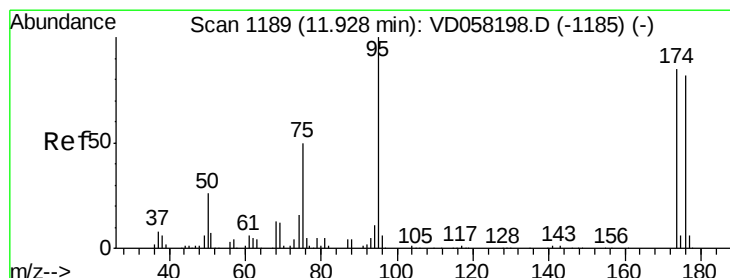
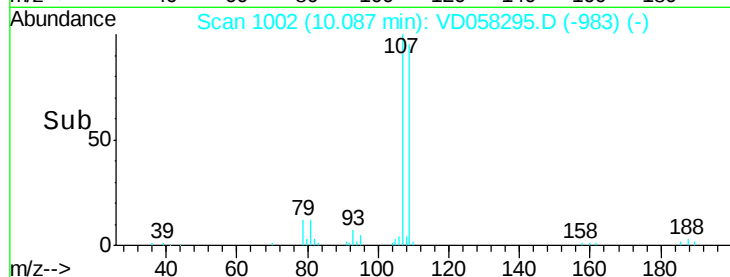
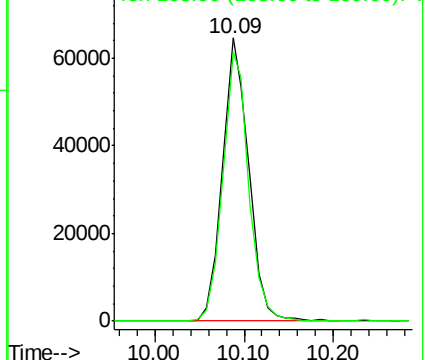
107 100

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

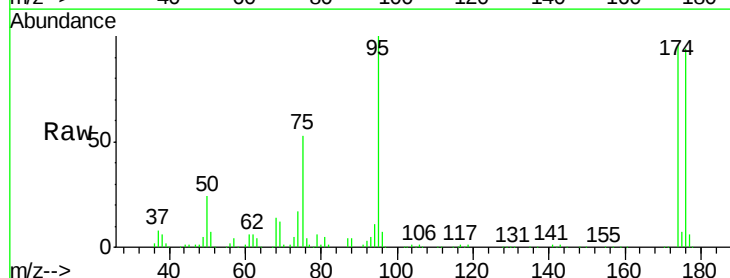
Tgt Ion: 95 Resp: 490042

Ion Ratio Lower Upper

95 100

174 96.3 0.0 170.2

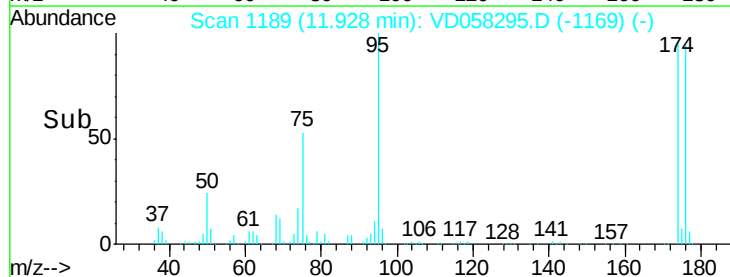
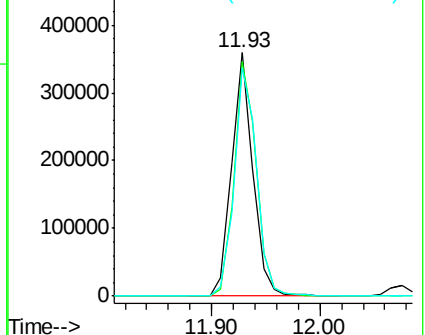
176 93.7 0.0 164.6

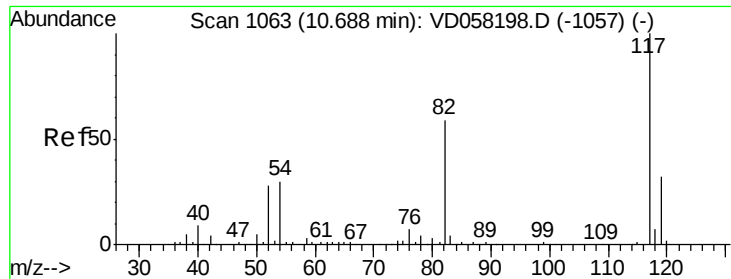


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

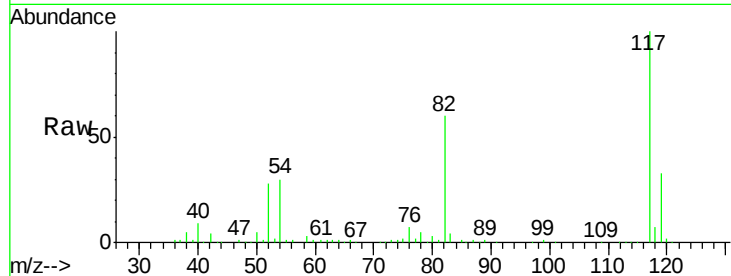




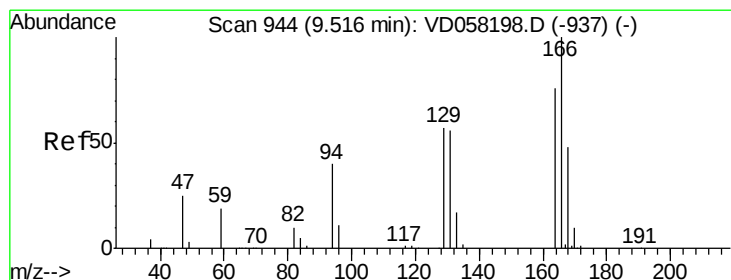
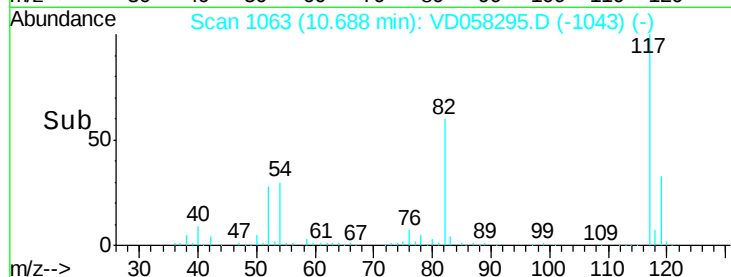
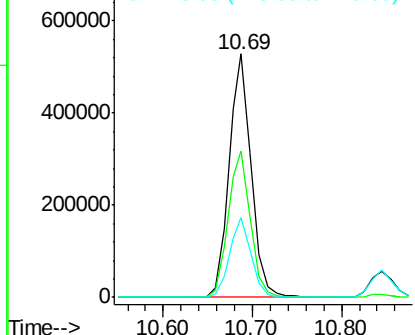
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

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

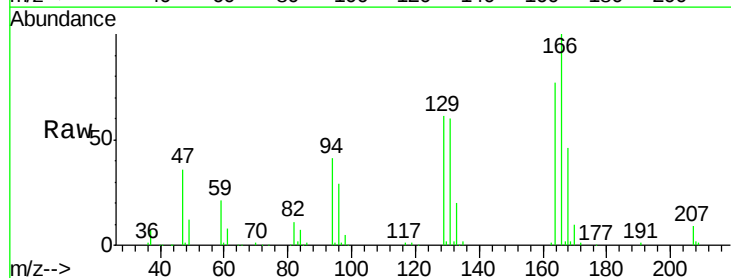


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

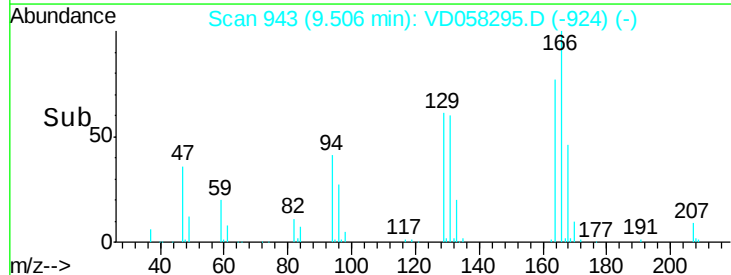
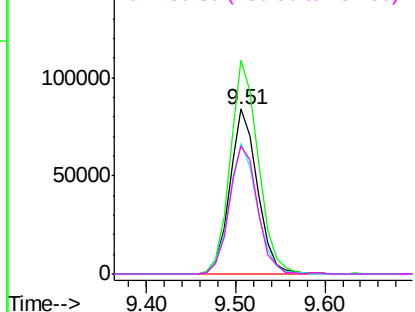


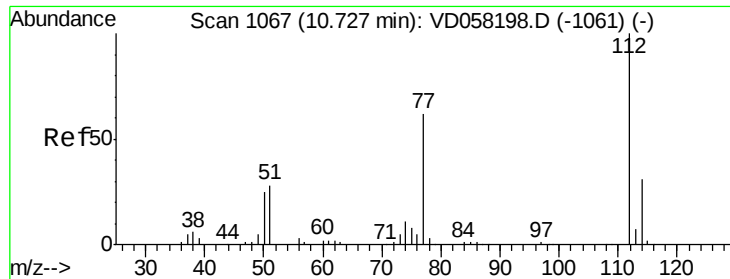
#64
Tetrachloroethene
Concen: 23.47 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

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

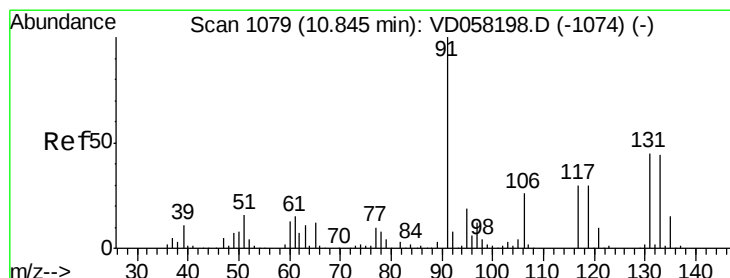
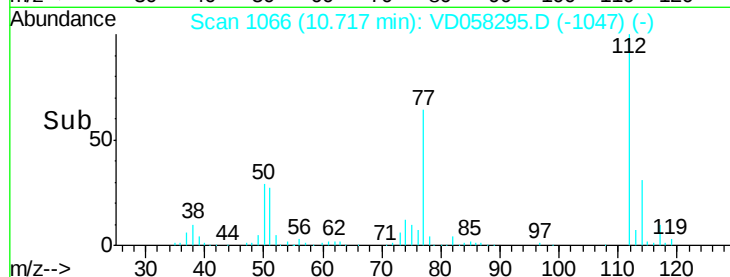
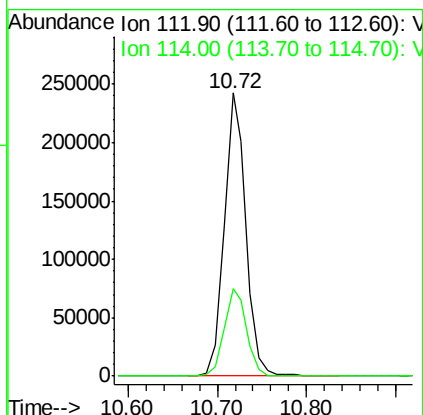
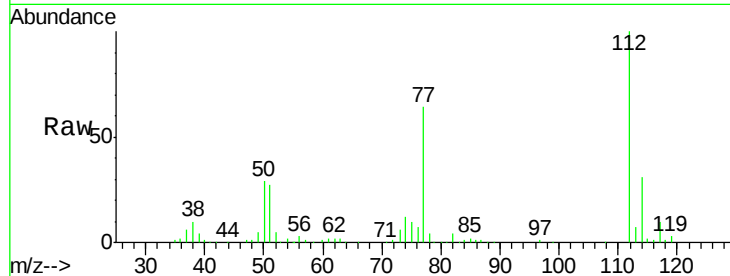




#65
Chlorobenzene
Concen: 24.00 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

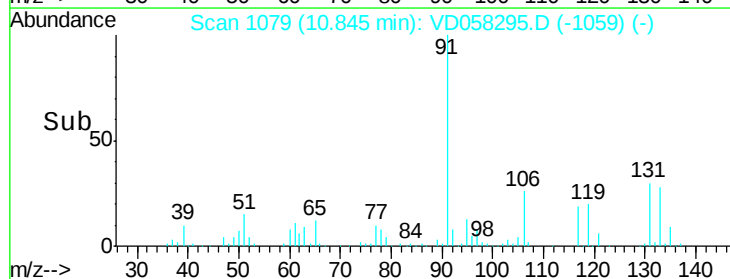
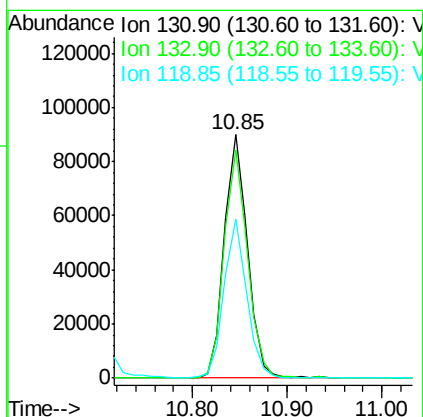
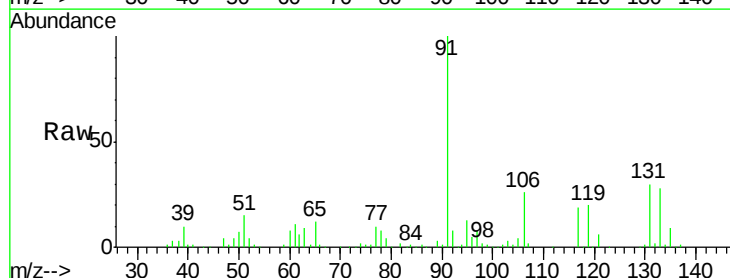
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

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 :

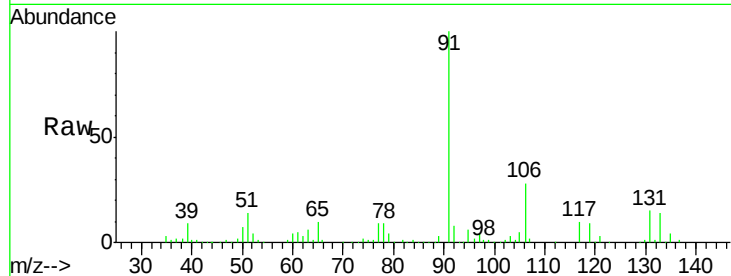
VD0622SBS01

Tot Ion: 91 Resp: 700791

Ion Ratio Lower Upper

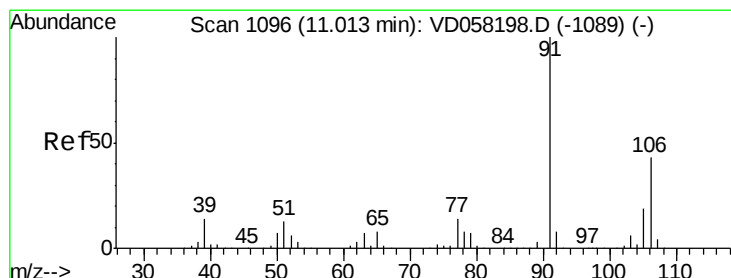
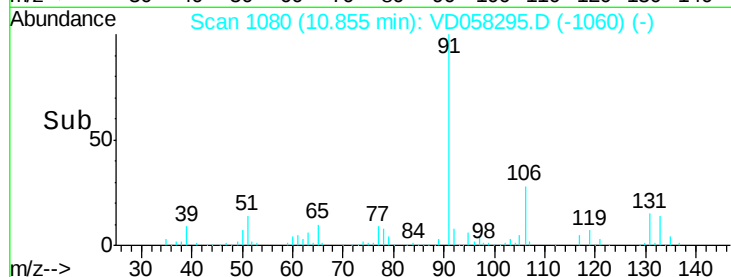
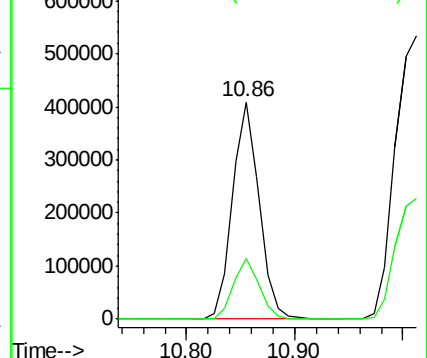
91 100

106 28.0 22.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#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

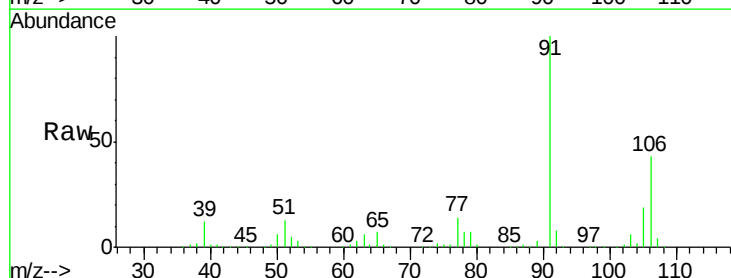
Acq: 22 Jun 2018 14:17

Tgt Ion:106 Resp: 498973

Ion Ratio Lower Upper

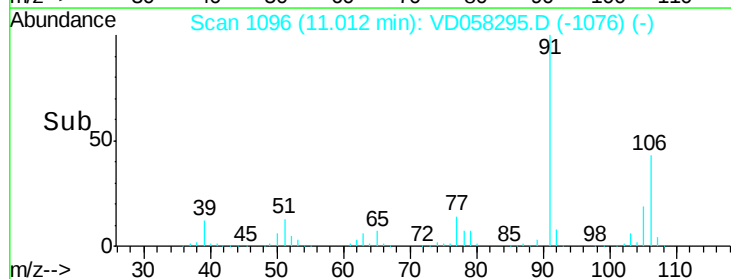
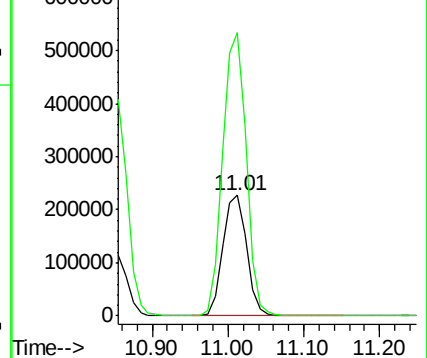
106 100

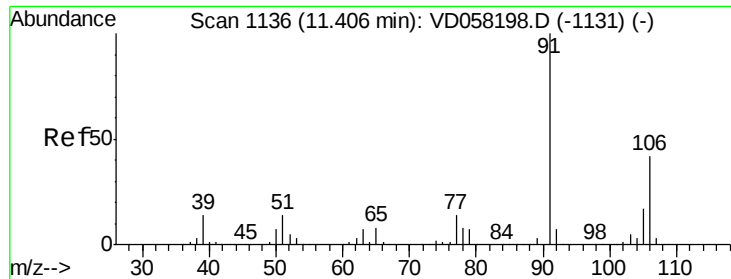
91 235.0 185.0 277.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

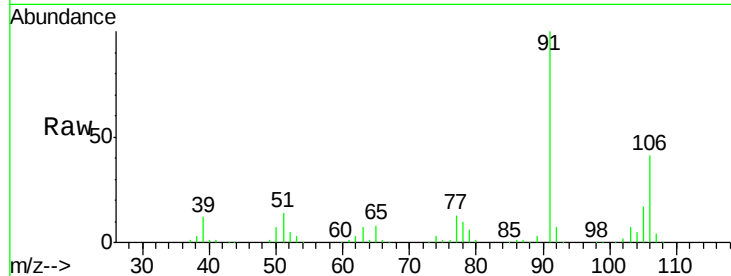




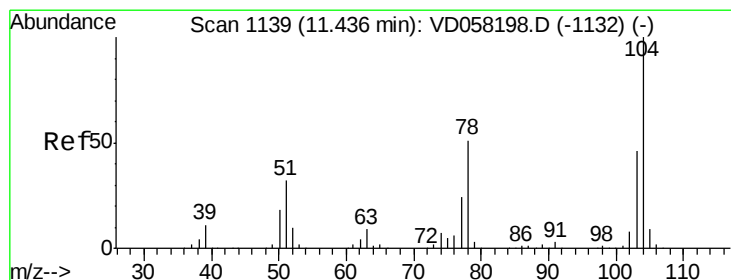
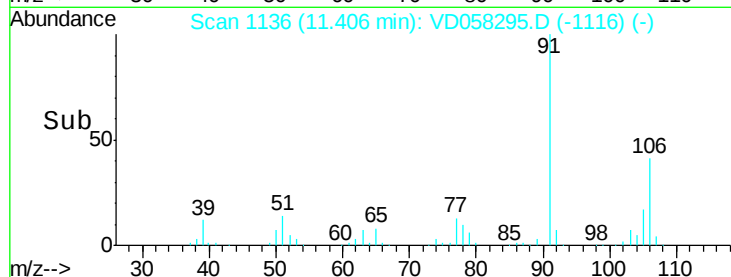
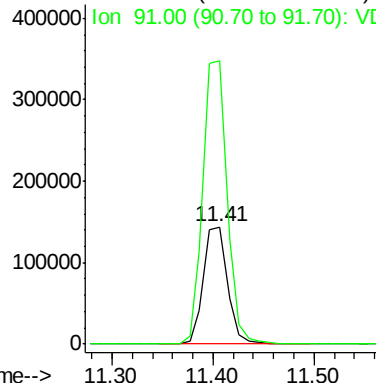
#69
o-Xylene
Concen: 24.71 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

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

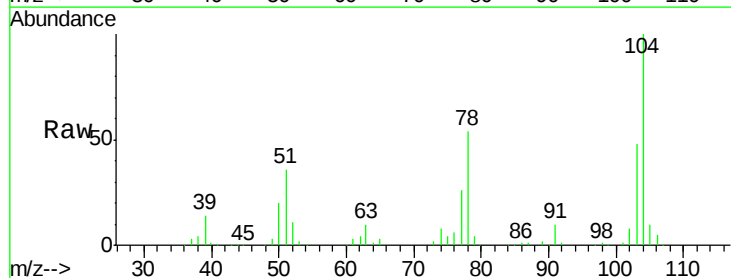


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

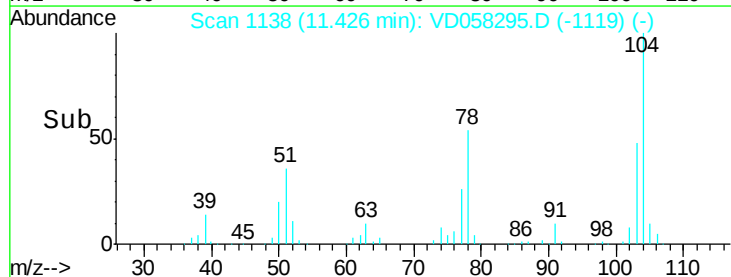
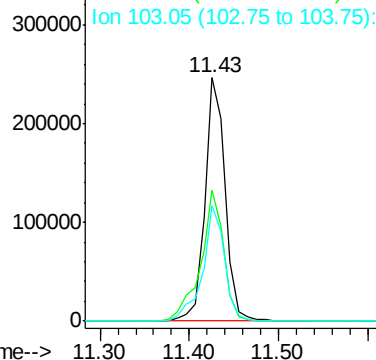


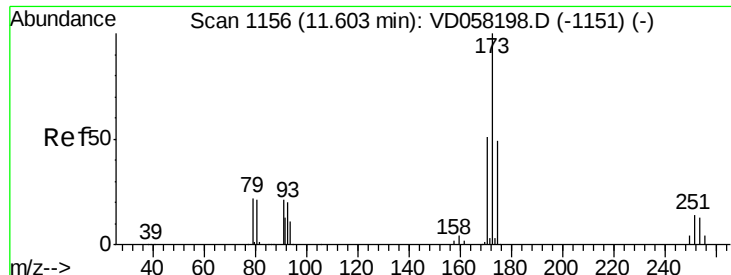
#70
Styrene
Concen: 23.68 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

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

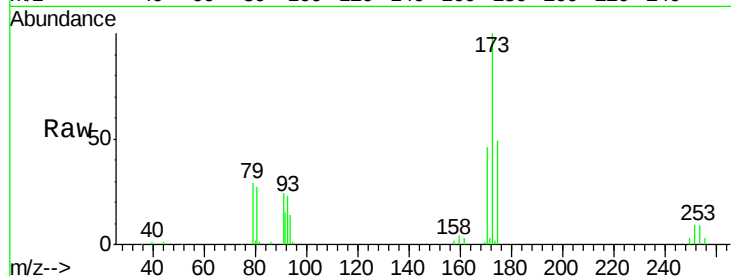
Tot Ion:173 Resp: 111195

Ion Ratio Lower Upper

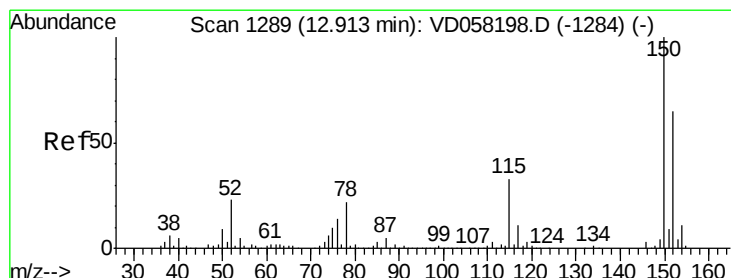
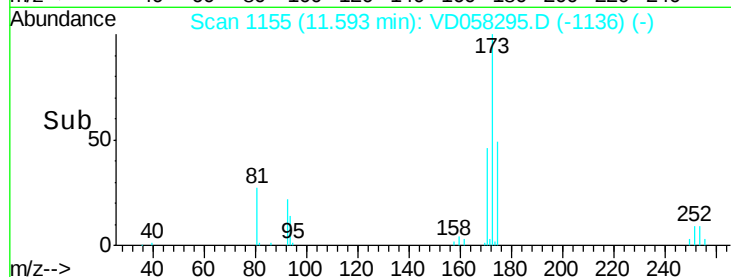
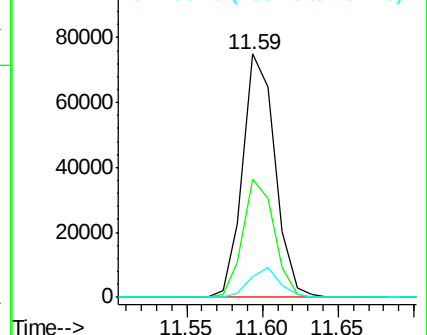
173 100

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

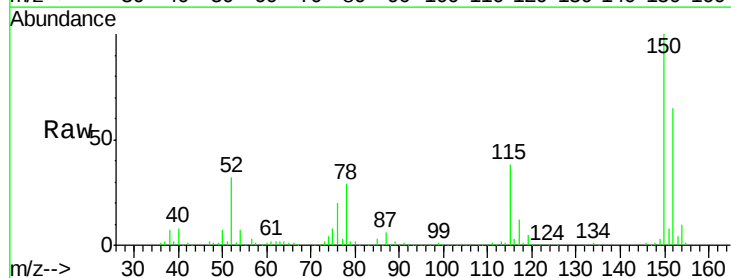
Tgt Ion:152 Resp: 478392

Ion Ratio Lower Upper

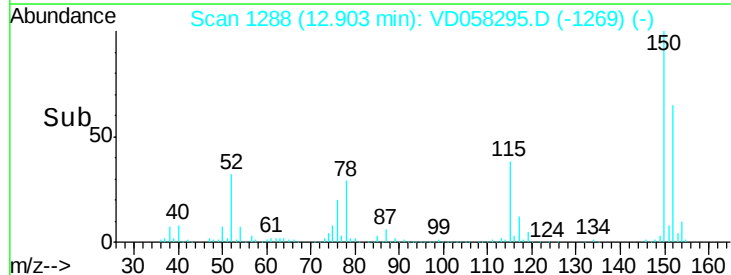
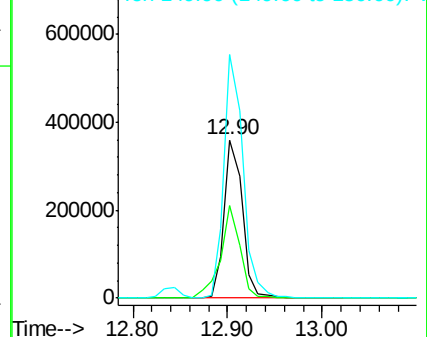
152 100

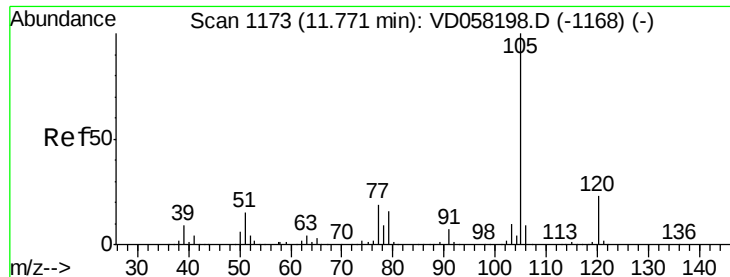
115 58.3 25.1 75.3

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 :

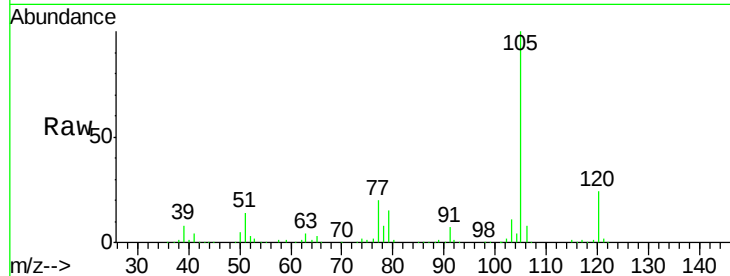
VD0622SBS01

Tot Ion: 105 Resp: 656496

Ion Ratio Lower Upper

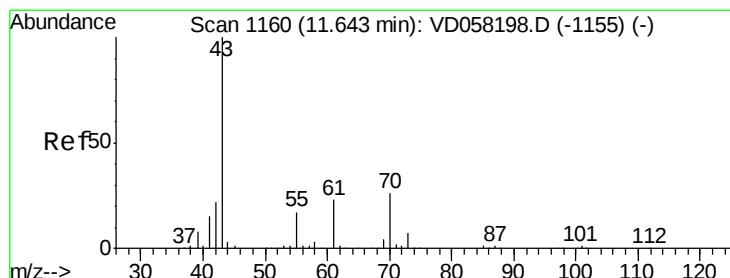
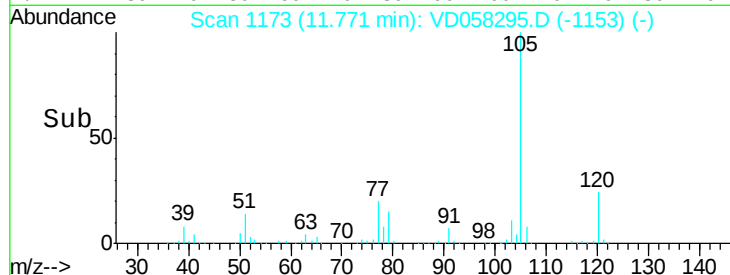
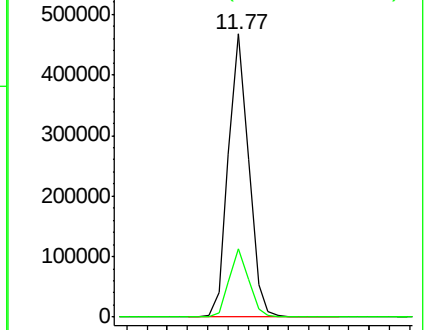
105 100

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

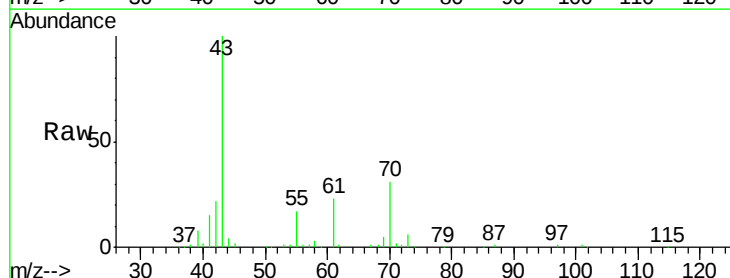
Ion Ratio Lower Upper

43 100

70 30.8 20.9 31.3

55 17.3 13.5 20.3

61 22.5 18.2 27.2

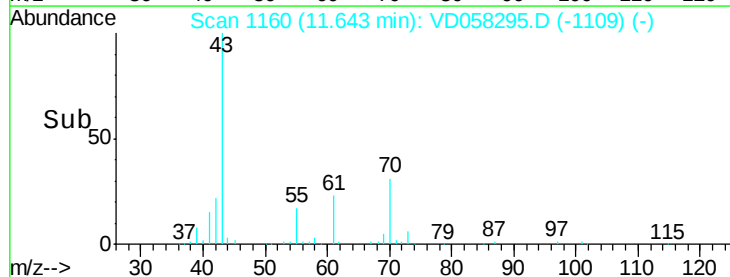
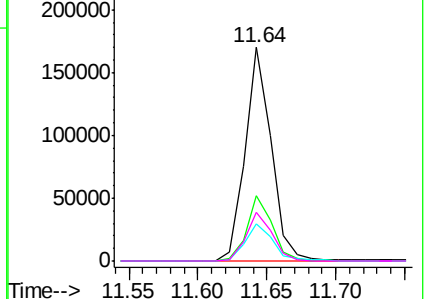


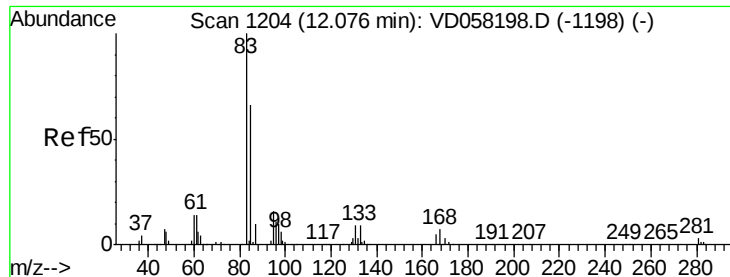
Abundance Ion 42.95 (42.65 to 43.65): V

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

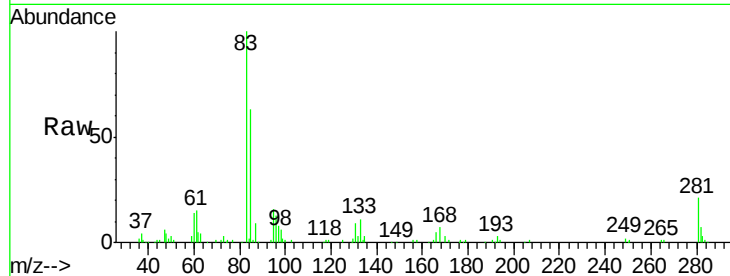
Tot Ion: 83 Resp: 140918

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

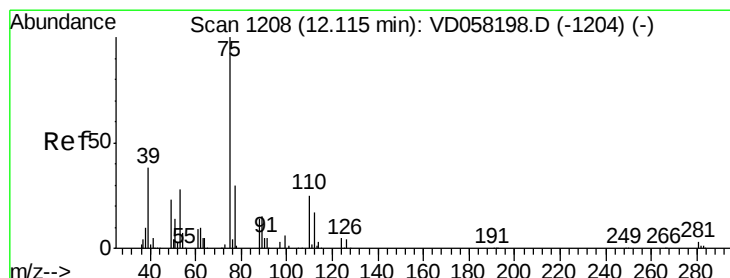
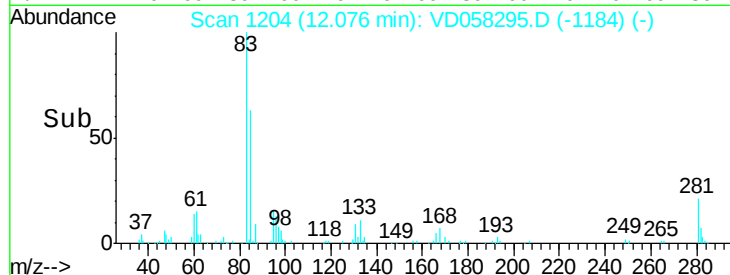
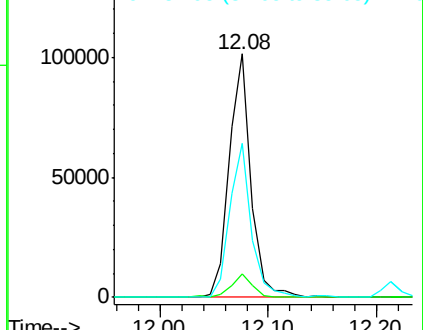
85 63.3 33.1 99.5



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

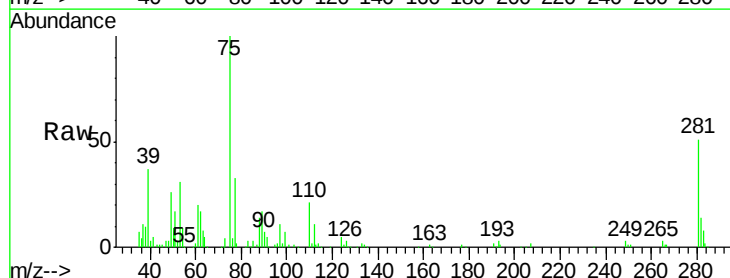
Acq: 22 Jun 2018 14:17

Tgt Ion: 75 Resp: 155310

Ion Ratio Lower Upper

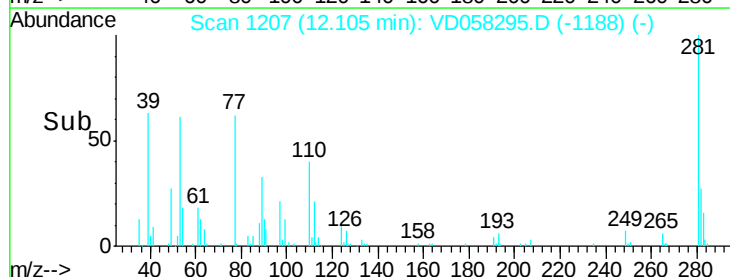
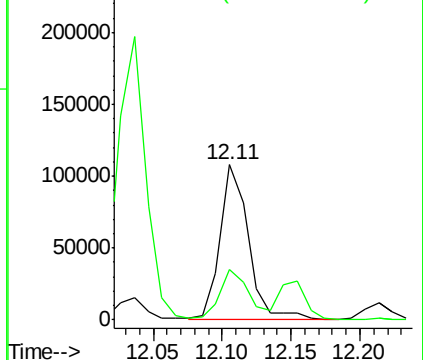
75 100

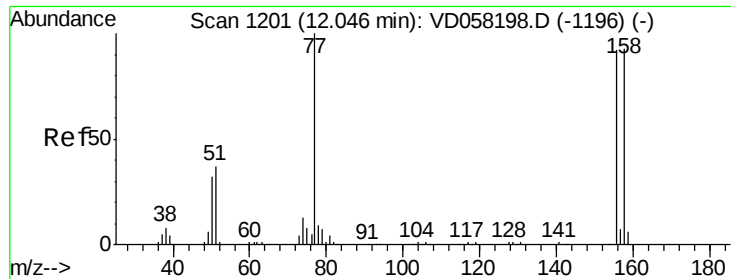
77 32.6 16.0 47.9



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 :

VD0622SBS01

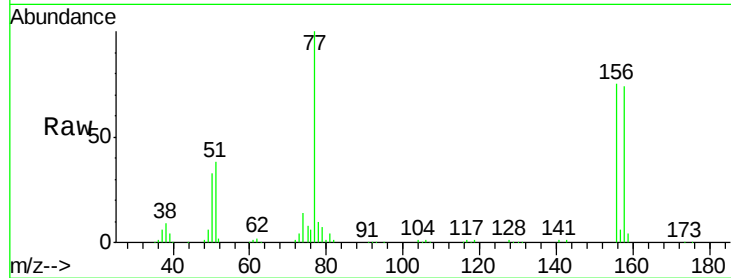
Tot Ion:156 Resp: 195770

Ion Ratio Lower Upper

156 100

77 133.5 54.5 163.6

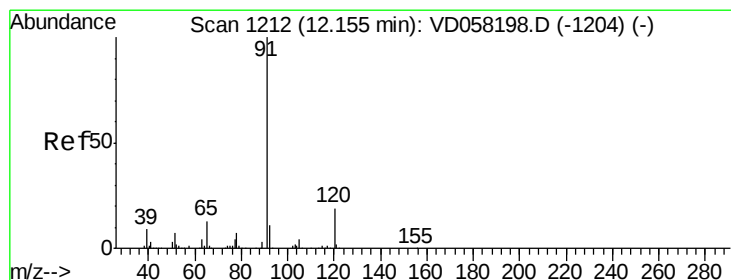
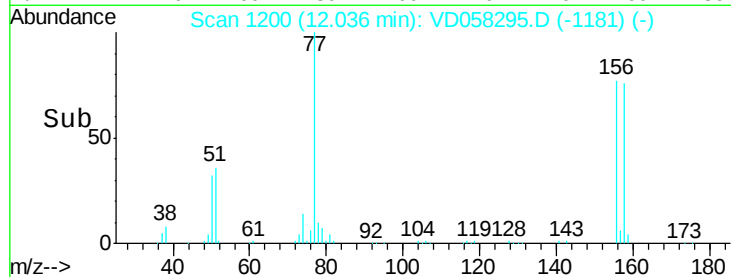
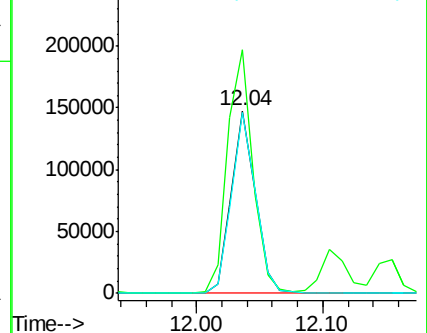
158 98.9 50.8 152.5



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

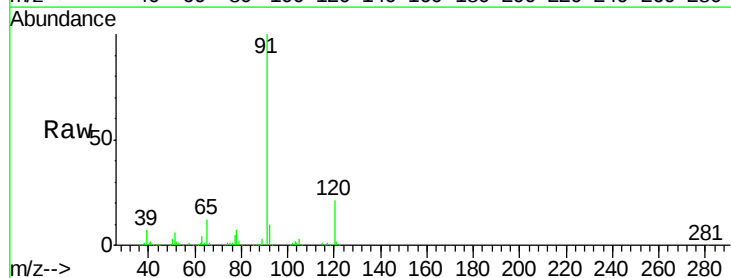
Acq: 22 Jun 2018 14:17

Tgt Ion: 91 Resp: 890218

Ion Ratio Lower Upper

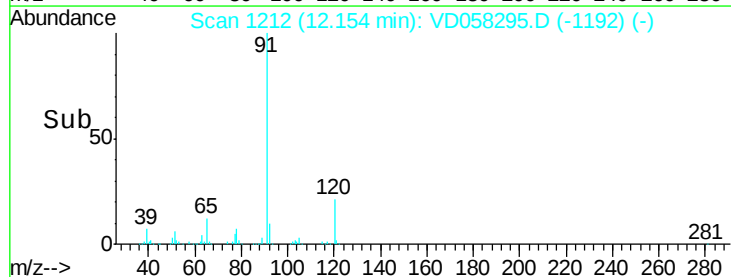
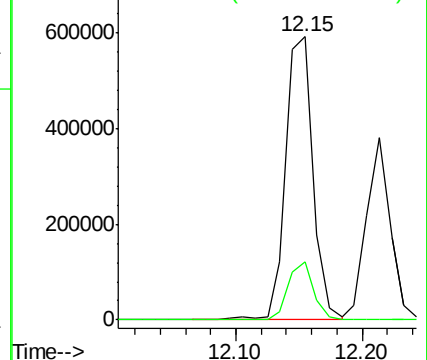
91 100

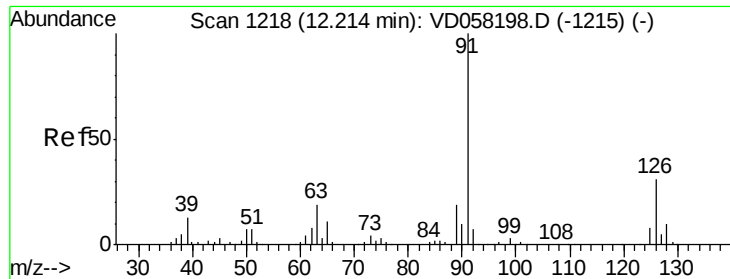
120 20.7 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

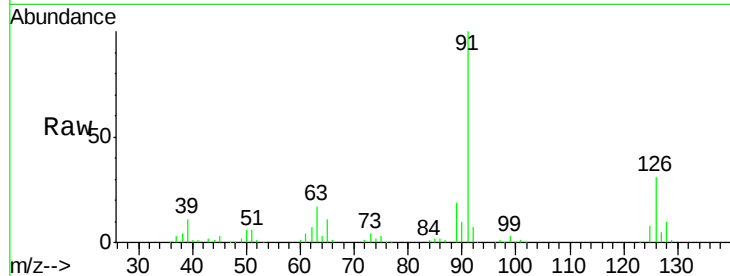




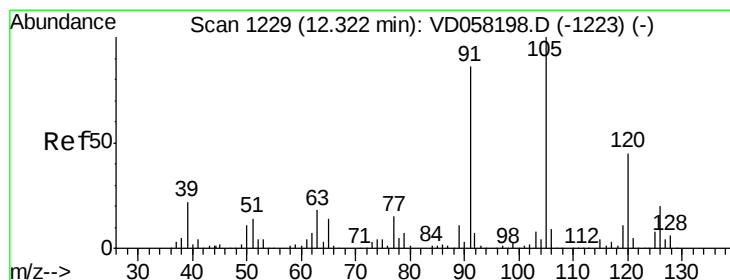
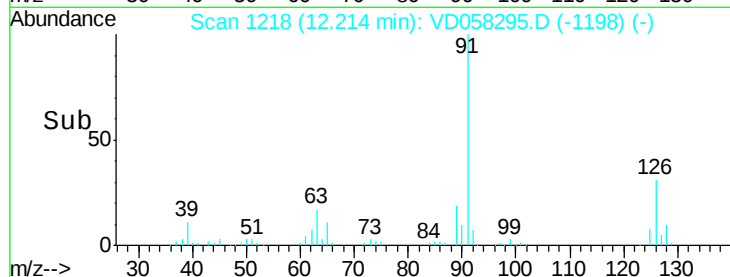
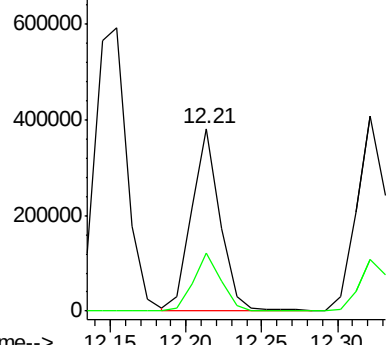
#79
2-Chlorotoluene
Concen: 23.43 ug/l
RT: 12.21 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

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

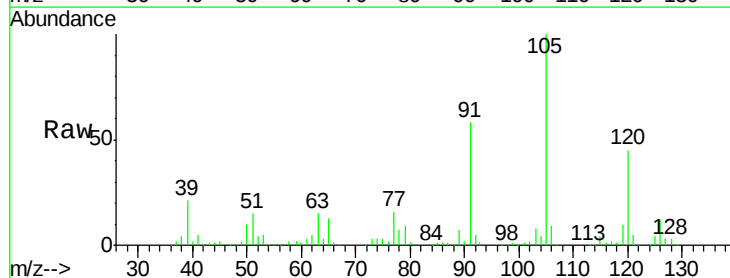


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

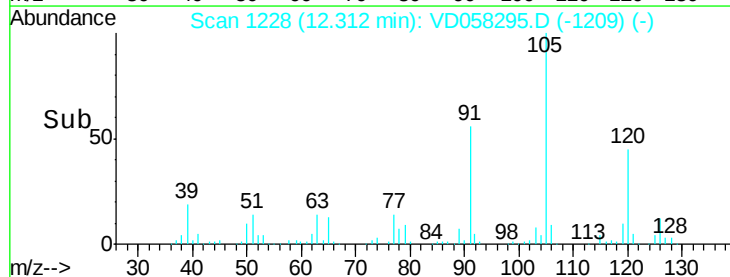
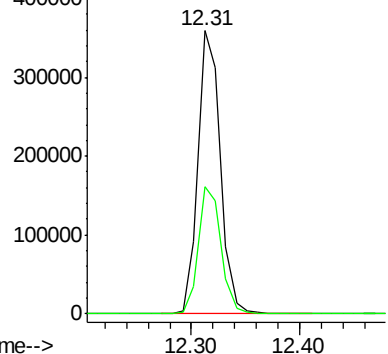


#80
1,3,5-Trimethylbenzene
Concen: 23.11 ug/l
RT: 12.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

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



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





#81

trans-1,4-Dichloro-2-butene

Concen: 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

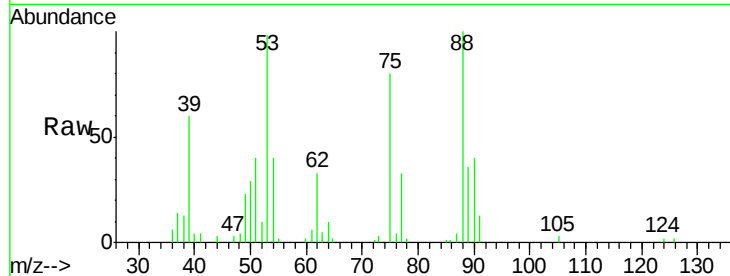
Tot Ion: 75 Resp: 32148

Ion Ratio Lower Upper

75 100

53 122.4 100.8 151.2

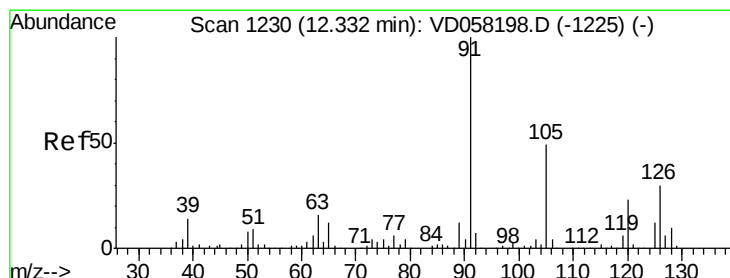
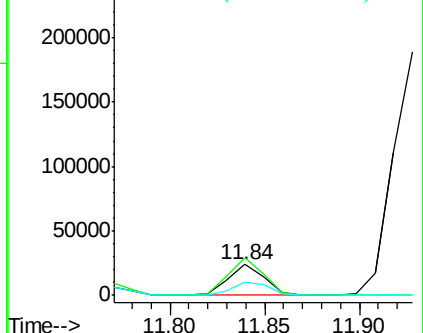
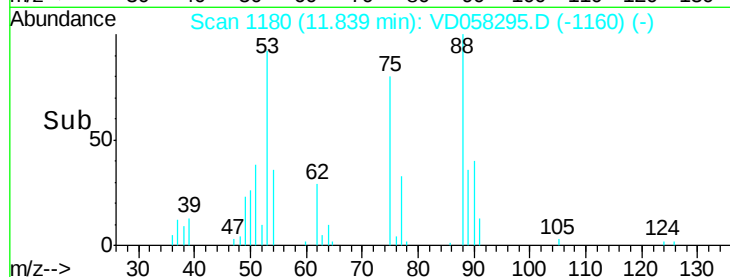
89 45.2 34.6 52.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 24.36 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD058295.D

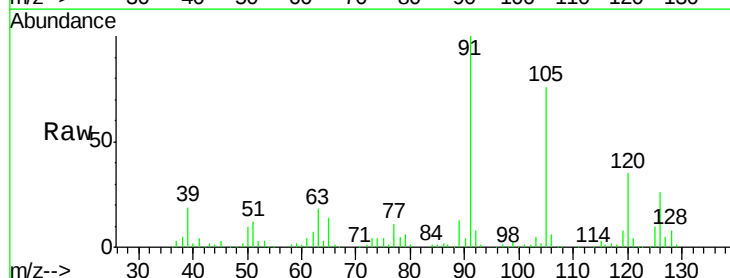
Acq: 22 Jun 2018 14:17

Tgt Ion: 91 Resp: 559497

Ion Ratio Lower Upper

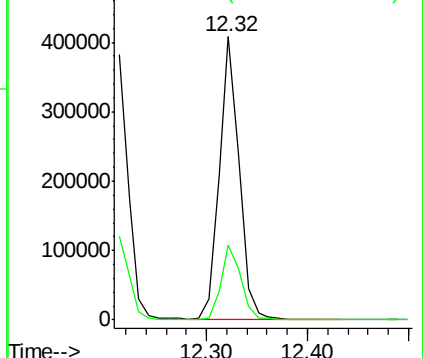
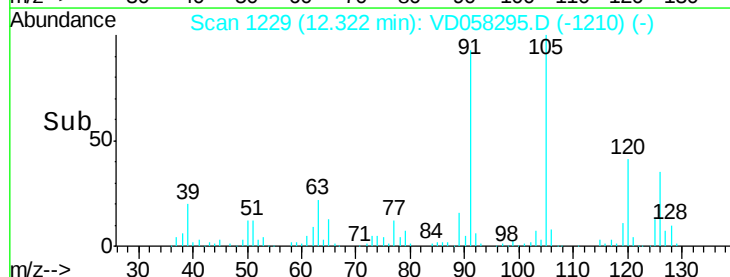
91 100

126 26.4 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

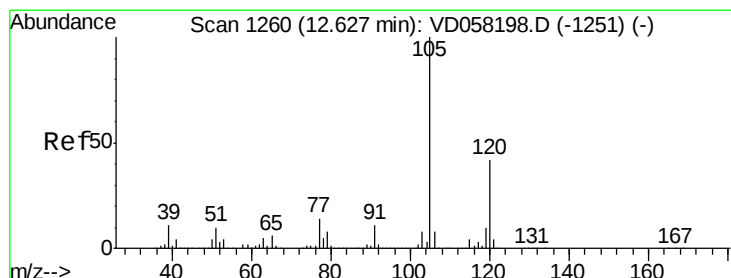
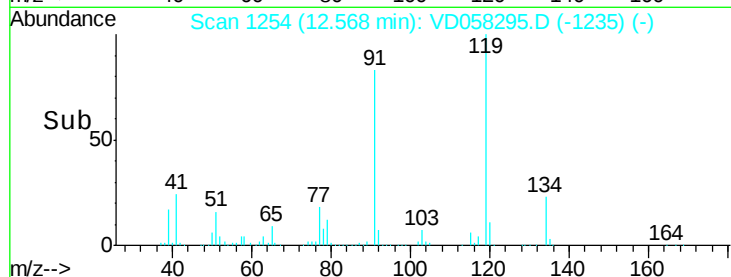
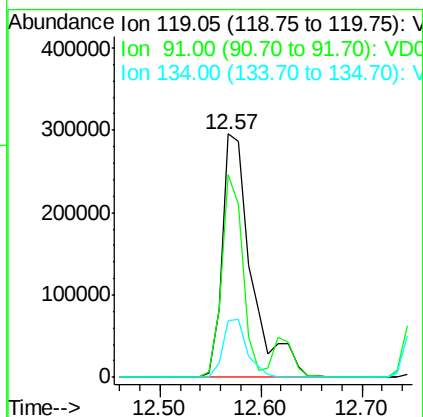
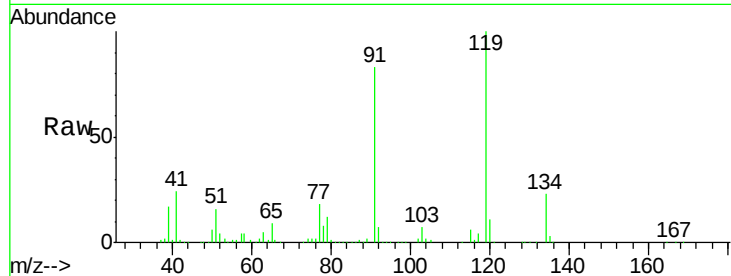




#83
tert-Butylbenzene
Concen: 23.32 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

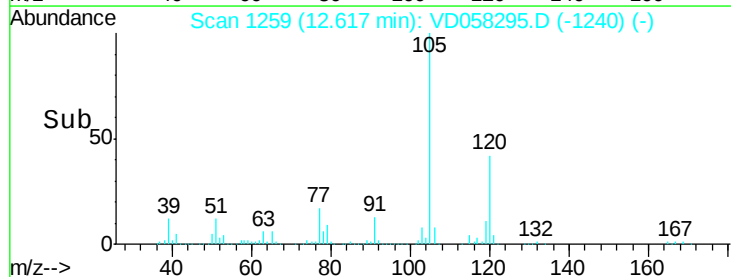
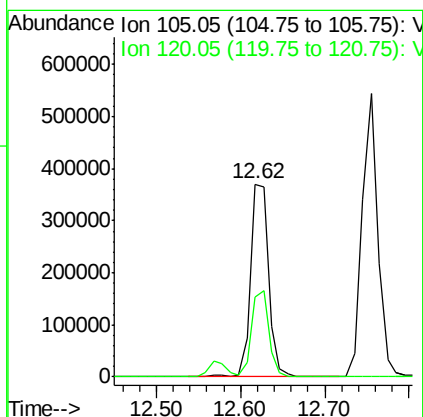
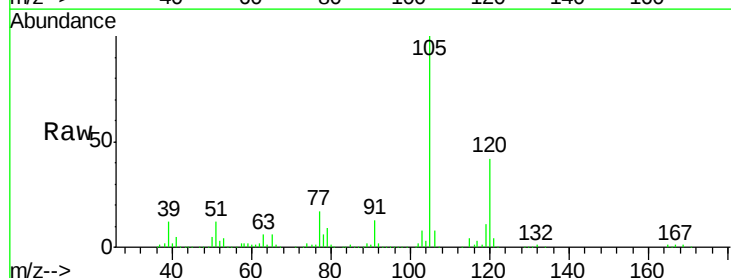
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

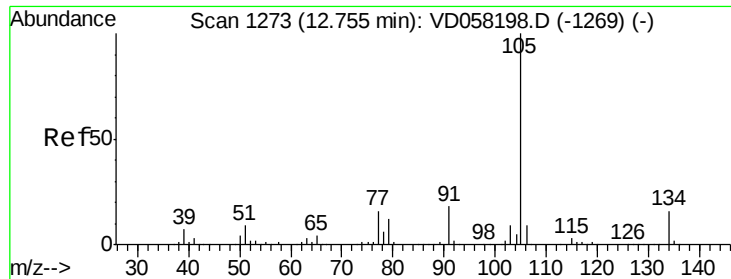
Tot Ion:119 Resp: 598394
Ion Ratio Lower Upper
119 100
91 83.3 38.9 116.6
134 23.1 11.2 33.5



#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 :

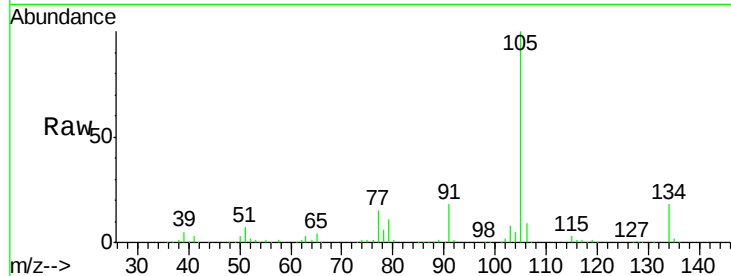
VD0622SBS01

Tot Ion:105 Resp: 709710

Ion Ratio Lower Upper

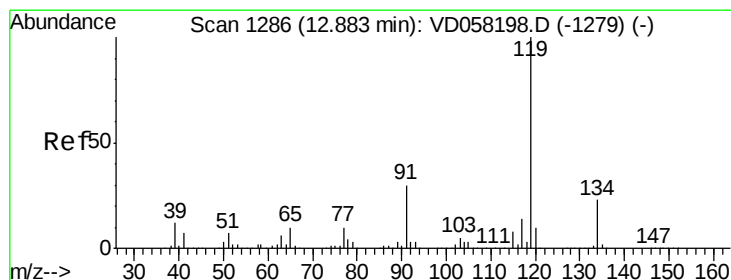
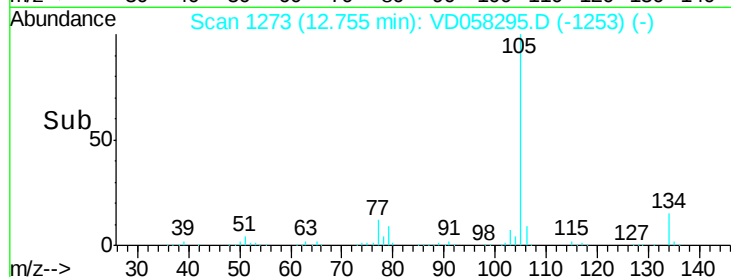
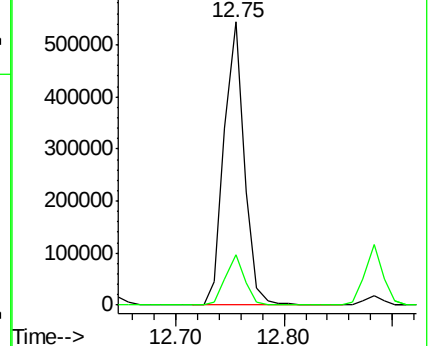
105 100

134 17.8 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#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

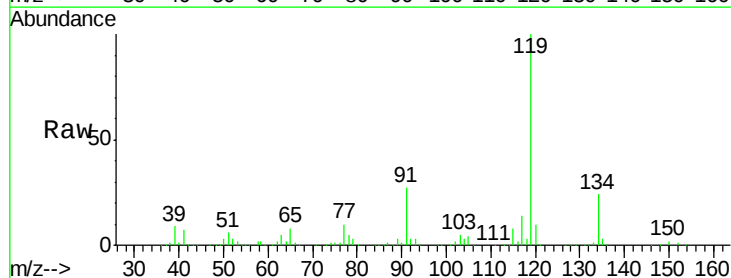
Tgt Ion:119 Resp: 570384

Ion Ratio Lower Upper

119 100

134 24.5 11.6 34.8

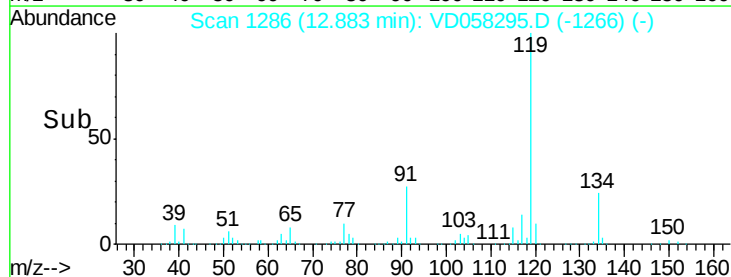
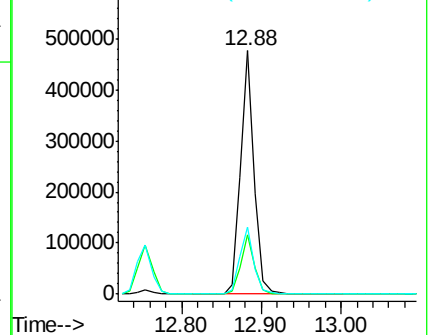
91 27.4 15.0 45.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

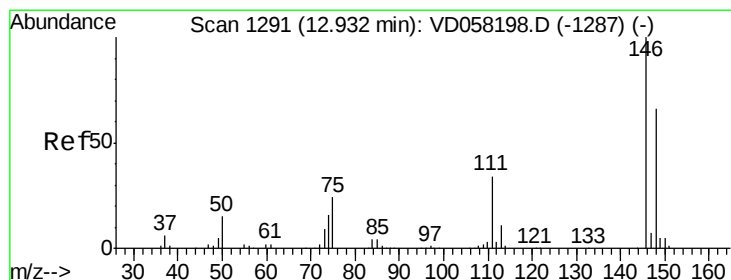
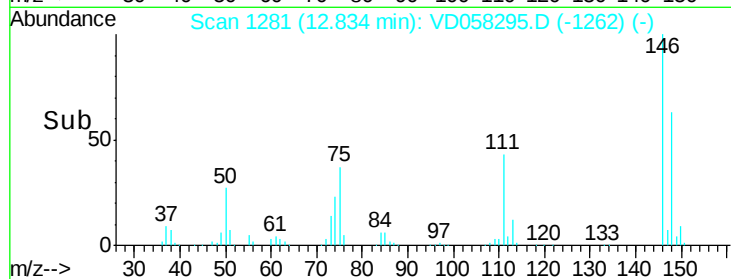
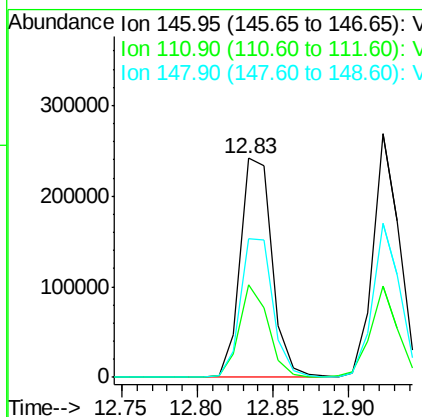
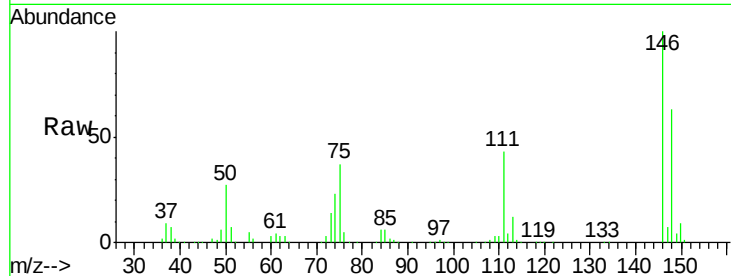




#87
 1,3-Dichlorobenzene
 Concen: 23.68 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

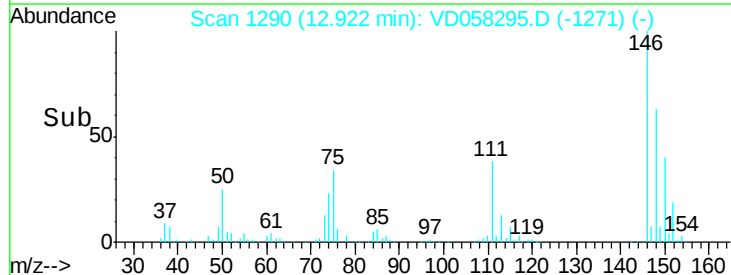
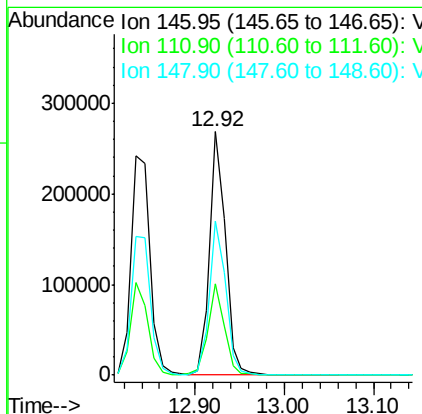
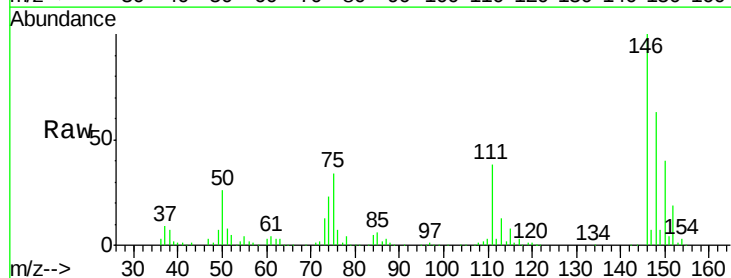
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

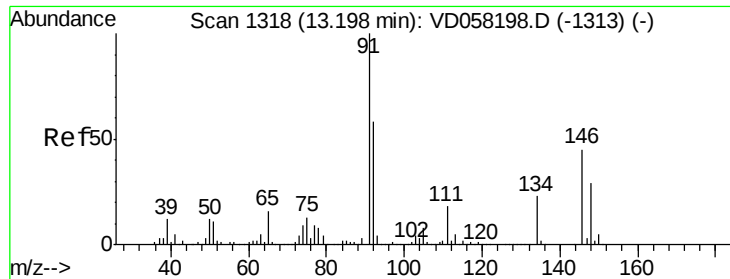
Tot Ion:146 Resp: 352609
 Ion Ratio Lower Upper
 146 100
 111 42.5 18.4 55.0
 148 63.4 32.8 98.4



#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

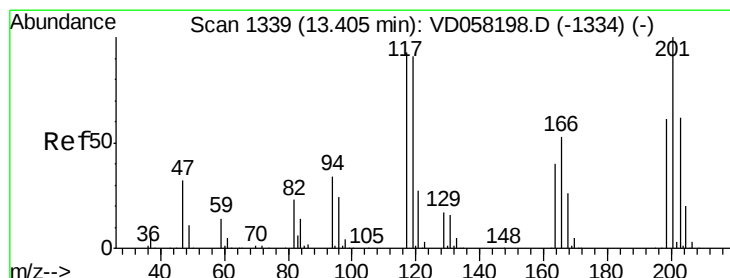
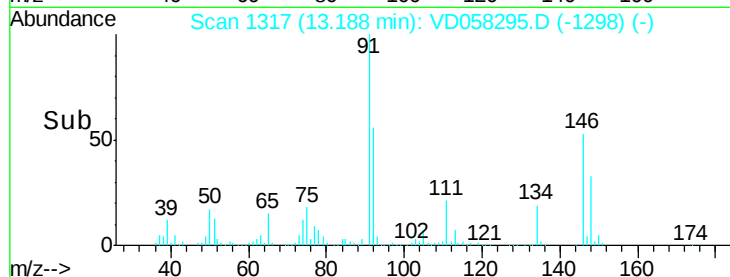
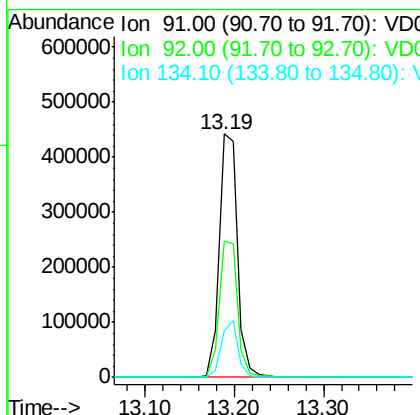
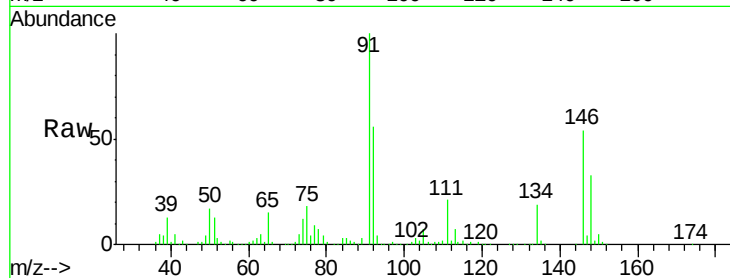




#89
n-Butylbenzene
Concen: 24.90 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058295.D
Acq: 22 Jun 2018 14:17

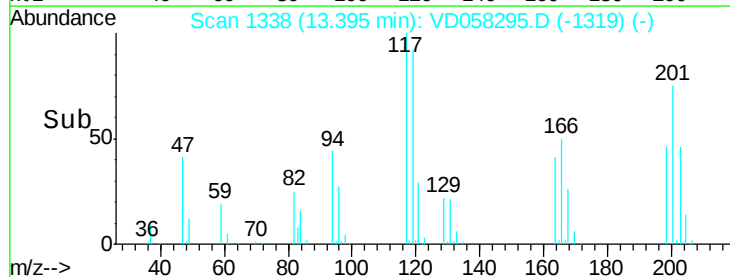
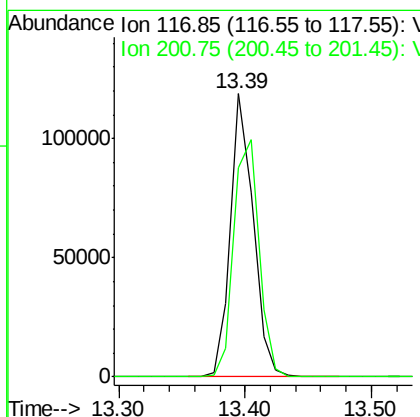
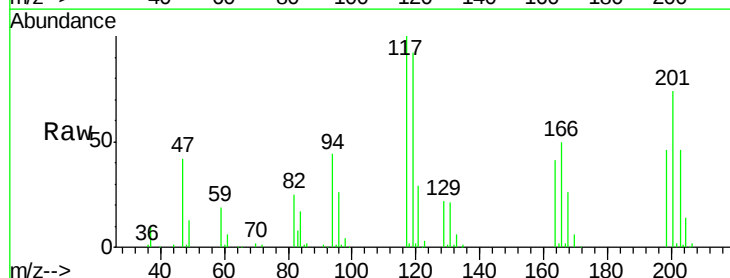
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

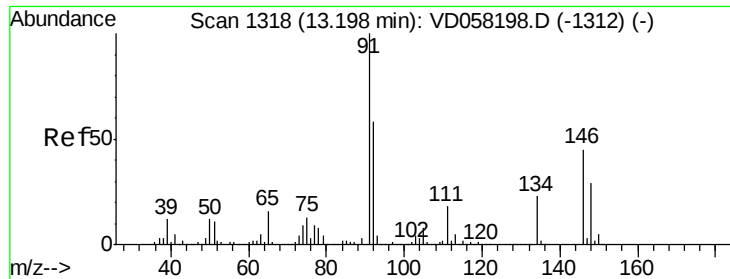
Tot Ion: 91 Resp: 637837
Ion Ratio Lower Upper
91 100
92 55.7 29.2 87.6
134 19.1 11.3 33.8



#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

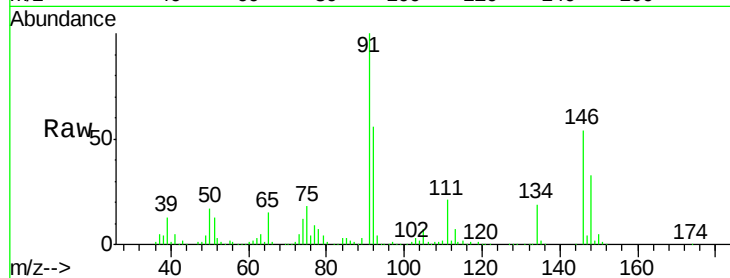




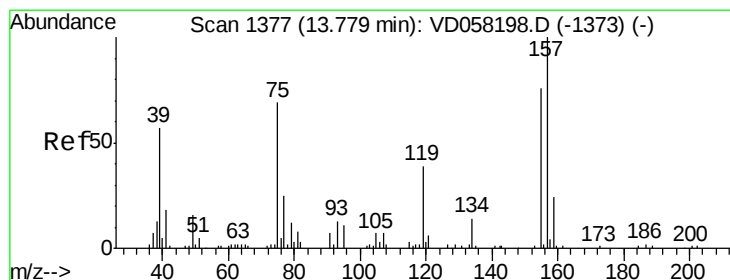
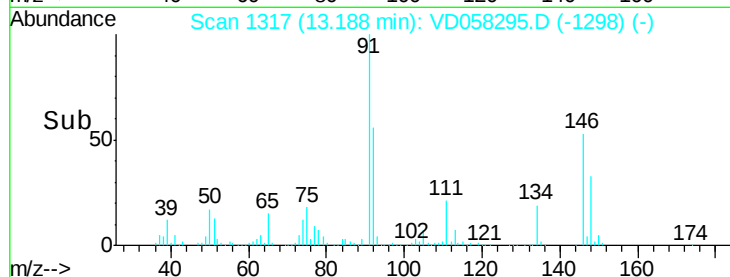
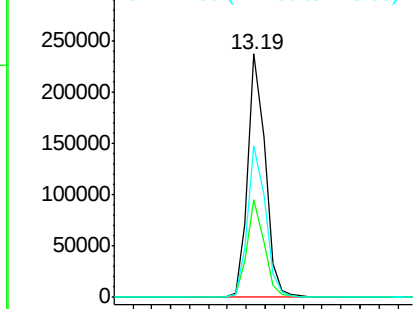
#91
 1,2-Dichlorobenzene
 Concen: 24.12 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

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

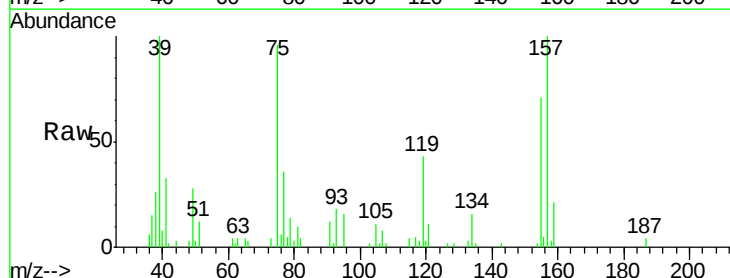


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

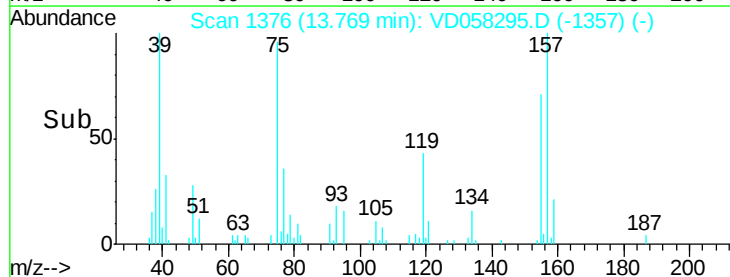
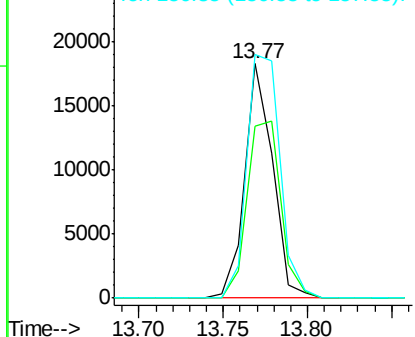


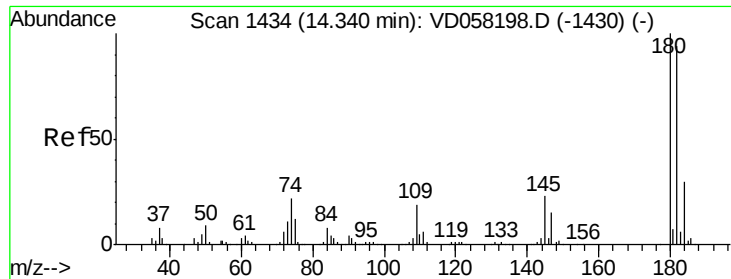
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.82 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

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



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

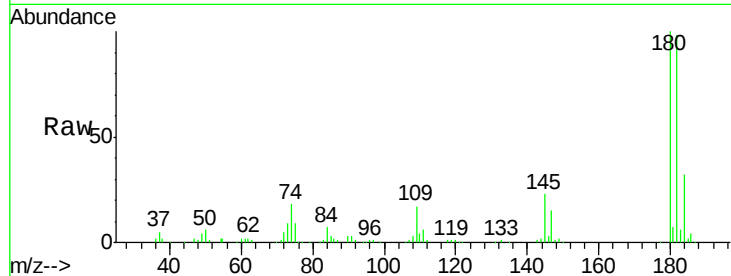




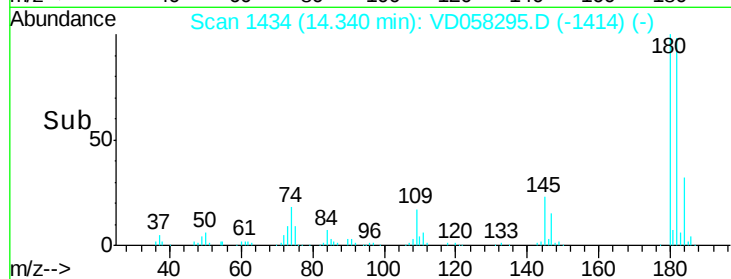
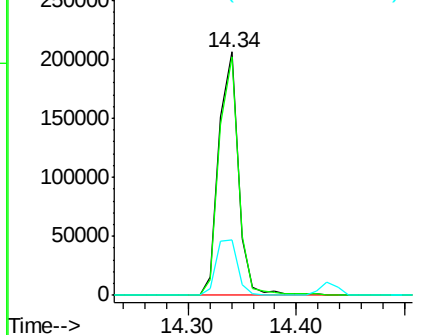
#93
 1,2,4-Trichlorobenzene
 Concen: 21.52 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

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

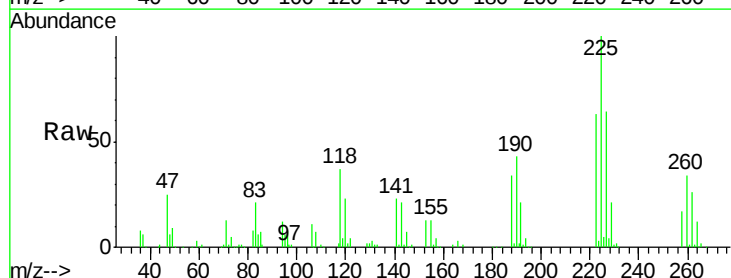


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

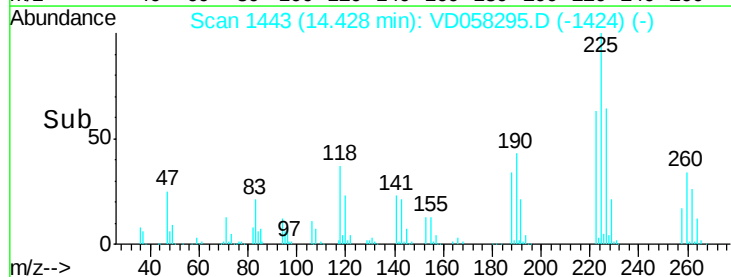
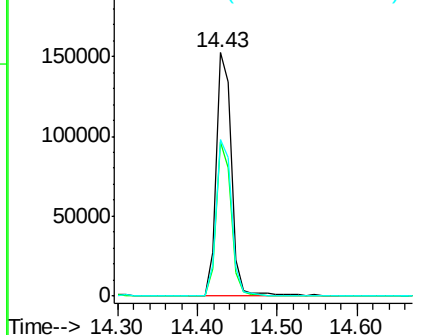


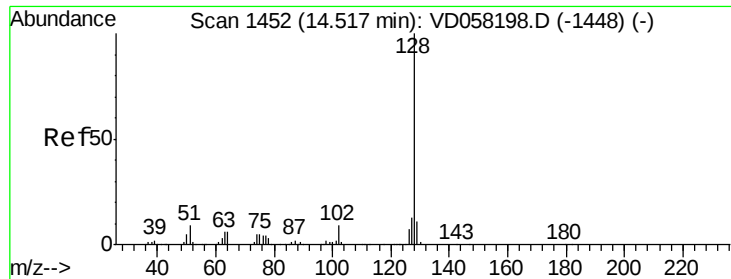
#94
 Hexachlorobutadiene
 Concen: 21.94 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058295.D
 Acq: 22 Jun 2018 14:17

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

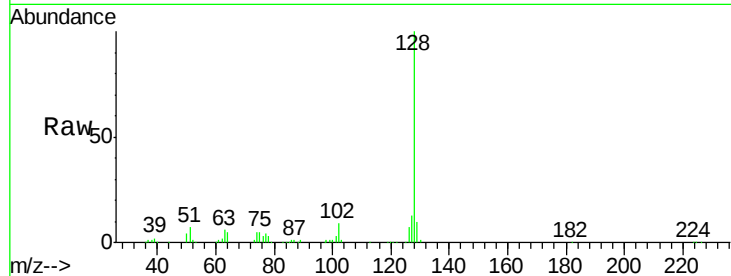
Tot Ion:128 Resp: 340355

Ion Ratio Lower Upper

128 100

127 13.2 10.0 15.0

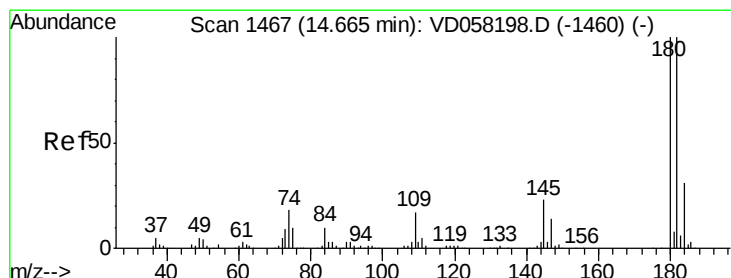
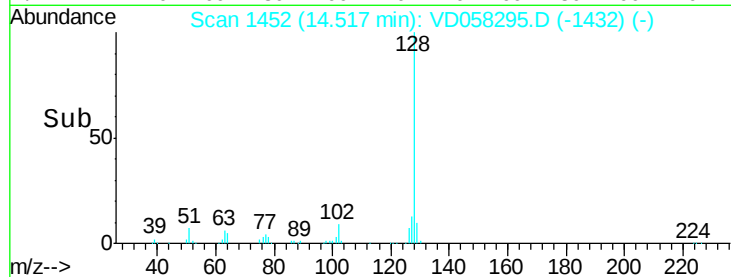
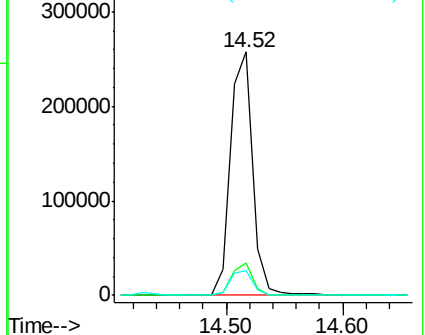
129 10.1 8.7 13.1



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

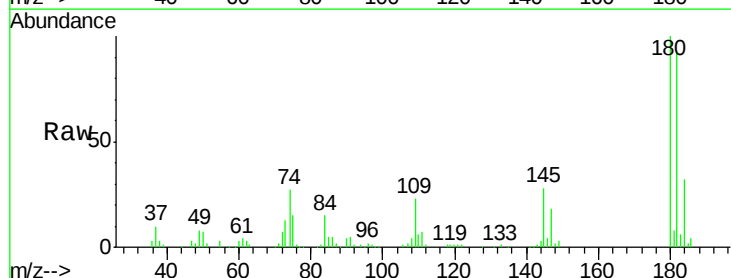
Tgt Ion:180 Resp: 221143

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

