

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058354.D
 Acq On : 23 Jun 2018 21:28
 Operator : VA/AP
 Sample : J3671-05MSD
 Misc : 6.15g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 01:12:22 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	5.67	168	920471	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.71	114	1235884	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	953643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	493019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	539989	58.08	ug/l	0.03
Spiked Amount	50.000		Recovery	=	116.16%	
35) Dibromofluoromethane	5.57	113	548586	54.54	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.08%	
50) Toluene-d8	8.72	98	1291783	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
62) 4-Bromofluorobenzene	11.94	95	553768	55.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	444312	51.78	ug/l	99
3) Chloromethane	1.50	50	249090	63.16	ug/l	95
4) Vinyl Chloride	1.57	62	599574	124.34	ug/l	96
5) Bromomethane	1.82	94	98908	64.55	ug/l	95
6) Chloroethane	1.90	64	127472	79.56	ug/l	88
7) Trichlorofluoromethane	2.10	101	387913	58.67	ug/l	98
8) Diethyl Ether	2.36	74	82481	58.98	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.58	101	238216	56.68	ug/l	95
10) Methyl Iodide	2.71	142	263776	55.17	ug/l	95
11) Tert butyl alcohol	3.28	59	79427	259.02	ug/l #	90
12) 1,1-Dichloroethene	2.57	96	181707	57.46	ug/l	97
13) Acrolein	2.49	56	18455	105.43	ug/l	94
14) Allyl chloride	2.94	41	421830	57.31	ug/l #	95
15) Acrylonitrile	3.38	53	355690	437.46	ug/l	91
16) Acetone	2.63	43	431650	339.48	ug/l #	90
17) Carbon Disulfide	2.77	76	547121	50.85	ug/l	97
18) Methyl Acetate	2.96	43	182115	67.16	ug/l	98
19) Methyl tert-butyl Ether	3.42	73	878634	104.75	ug/l	99
20) Methylene Chloride	3.09	84	211729	65.24	ug/l	98
21) trans-1,2-Dichloroethene	3.41	96	414951	120.06	ug/l	88
22) Diisopropyl ether	4.09	45	1567089	53.61	ug/l	99
23) Vinyl Acetate	4.04	43	3130511	199.77	ug/l	99
24) 1,1-Dichloroethane	4.00	63	960334	60.98	ug/l	98
25) 2-Butanone	4.86	43	611387	220.62	ug/l	95
26) 2,2-Dichloropropane	4.82	77	585063	44.37	ug/l #	34
27) cis-1,2-Dichloroethene	4.83	96	4635294	536.70	ug/l	99
28) Bromochloromethane	5.16	49	398733	56.48	ug/l	96
29) Tetrahydrofuran	5.20	42	392773	266.27	ug/l	99
30) Chloroform	5.34	83	908635	54.65	ug/l	97
31) Cyclohexane	5.62	56	621277	54.84	ug/l	98
32) 1,1,1-Trichloroethane	5.53	97	773871	56.33	ug/l	98
36) 1,1-Dichloropropene	5.77	75	601214	49.17	ug/l	97
37) Ethyl Acetate	4.95	43	359028	51.54	ug/l #	41
38) Carbon Tetrachloride	5.75	117	641180	52.78	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	563345	47.31	ug/l	99
40) Benzene	6.03	78	1498963	51.47	ug/l	99
41) Methacrylonitrile	5.14	41	188443	56.02	ug/l	94
42) 1,2-Dichloroethane	6.15	62	633569	53.95	ug/l	100
43) Isopropyl Acetate	7.64	43	436782	47.03	ug/l	94
44) Trichloroethene	7.00	130	1435481	164.14	ug/l	98
45) 1,2-Dichloropropane	7.37	63	404876	51.62	ug/l	96
46) Dibromomethane	7.48	93	275696	51.49	ug/l	99
47) Bromodichloromethane	7.75	83	657110	53.82	ug/l	99
48) Methyl methacrylate	7.52	41	298385	52.86	ug/l	97
49) 1,4-Dioxane	7.51	88	40257	790.11	ug/l #	82
51) 4-Methyl-2-Pentanone	8.61	43	1543426	254.79	ug/l	100
52) Toluene	8.82	92	880533	53.10	ug/l	97
53) t-1,3-Dichloropropene	9.20	75	558859	52.64	ug/l	98
54) cis-1,3-Dichloropropene	8.37	75	637828	51.25	ug/l	97
55) 1,1,2-Trichloroethane	9.47	97	300298	51.18	ug/l	96
56) Ethyl methacrylate	9.33	69	361996	51.59	ug/l	97
57) 1,3-Dichloropropane	9.67	76	496941	50.28	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.21	63	955274	275.00	ug/l	93
59) 2-Hexanone	9.80	43	1170640	267.44	ug/l	98
60) Dibromochloromethane	9.97	129	436660	54.84	ug/l	97
61) 1,2-Dibromoethane	10.11	107	328761	51.20	ug/l	98
64) Tetrachloroethene	9.53	164	452523	56.40	ug/l	95
65) Chlorobenzene	10.74	112	1064950	59.70	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	372359	54.09	ug/l	97
67) Ethyl Benzene	10.86	91	1656977	52.61	ug/l	99
68) m/p-Xylenes	11.02	106	1138575	108.41	ug/l	99
69) o-Xylene	11.42	106	538290	53.66	ug/l	97
70) Styrene	11.44	104	906403	52.96	ug/l	97
71) Bromoform	11.60	173	318332	57.97	ug/l #	97
73) Isopropylbenzene	11.78	105	1564184	53.04	ug/l	98
74) N-amyl acetate	11.65	43	474573	41.62	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.09	83	364823	53.16	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	370668	51.49	ug/l	100
77) Bromobenzene	12.05	156	484565	54.87	ug/l	88
78) n-propylbenzene	12.16	91	1979756	51.99	ug/l	97
79) 2-Chlorotoluene	12.22	91	1191375	54.67	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	1217663	52.94	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	90982	51.82	ug/l	90
82) 4-Chlorotoluene	12.33	91	1251317	60.01	ug/l	97
83) tert-Butylbenzene	12.58	119	1390588	52.59	ug/l	92
84) 1,2,4-Trimethylbenzene	12.63	105	1327678	53.10	ug/l	97
85) sec-Butylbenzene	12.76	105	1627065	52.49	ug/l	98
86) p-Isopropyltoluene	12.89	119	1308558	52.09	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	785179	51.16	ug/l	96
88) 1,4-Dichlorobenzene	12.93	146	784282	52.33	ug/l	96
89) n-Butylbenzene	13.20	91	1305510	49.45	ug/l	97
90) Hexachloroethane	13.40	117	348280	53.42	ug/l	77
91) 1,2-Dichlorobenzene	13.20	146	671096	51.38	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.78	75	61377	56.20	ug/l	72

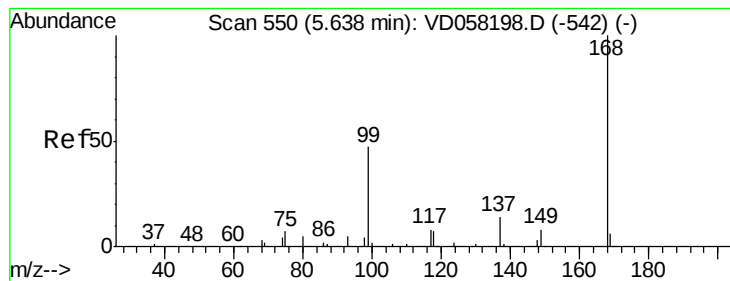
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	624910	50.02	ug/l	98
94) Hexachlorobutadiene	14.44	225	459555	47.03	ug/l	97
95) Naphthalene	14.52	128	843647	51.27	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	520132	47.56	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 553

Delta R.T. 0.03 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

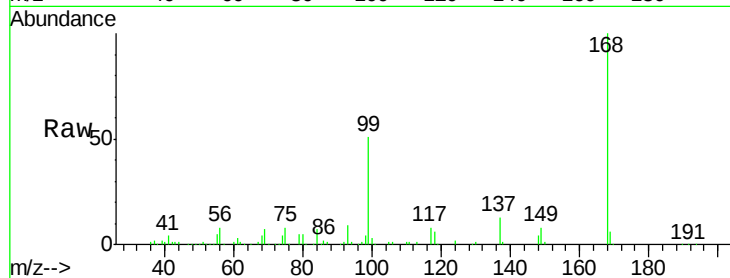
ClientSampleId :

Tot Ion:168 Resp: 920471

Ion Ratio Lower Upper

168 100

99 51.2 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.67

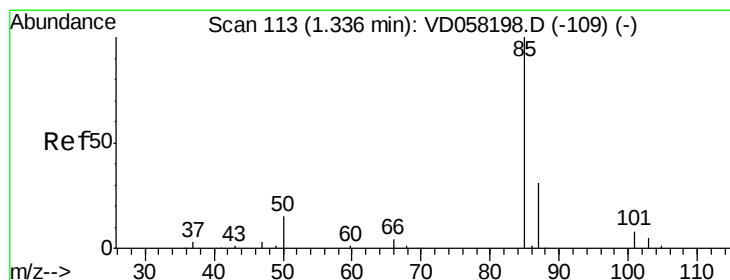
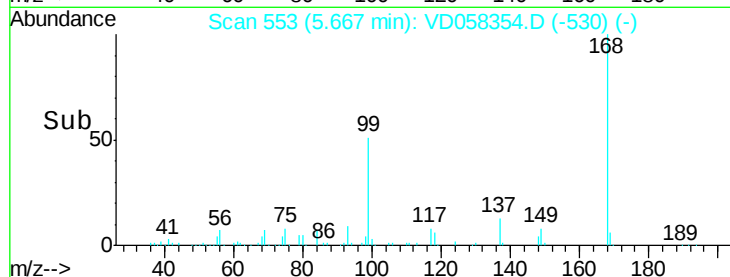
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.78 ug/l

RT: 1.35 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD058354.D

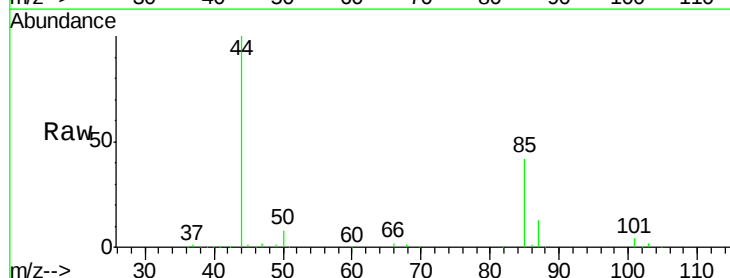
Acq: 23 Jun 2018 21:28

Tgt Ion: 85 Resp: 444312

Ion Ratio Lower Upper

85 100

87 31.9 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.35

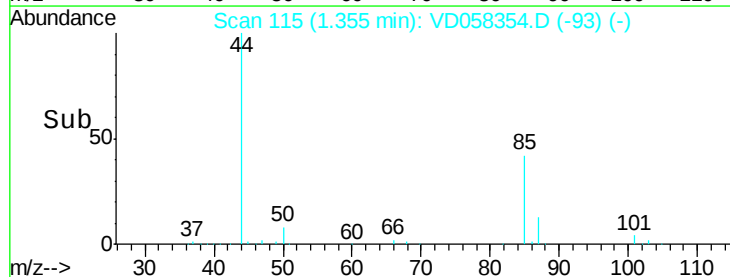
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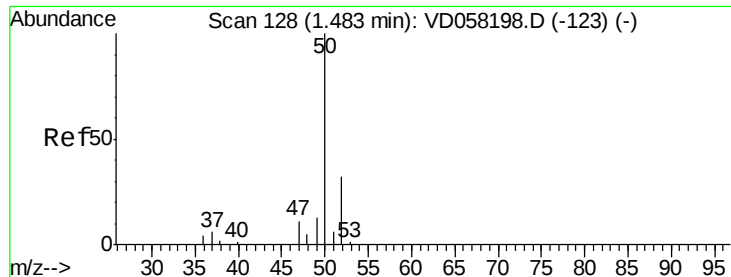
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50000

0

Time-->





#3

Chloromethane

Concen: 63.16 ug/l

RT: 1.50 min Scan# 130

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

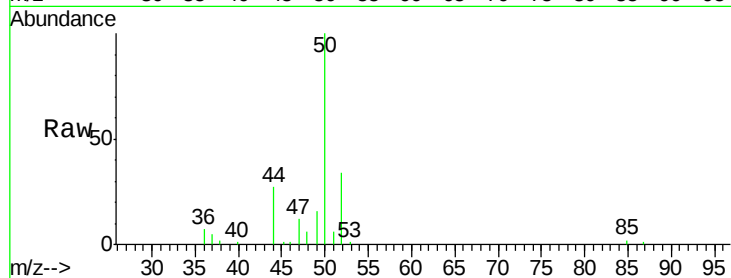
ClientSampleId :

Tot Ion: 50 Resp: 249090

Ion Ratio Lower Upper

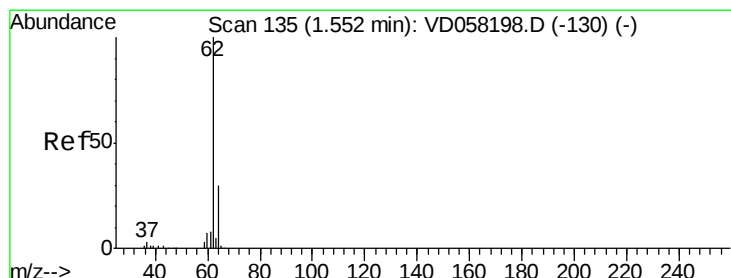
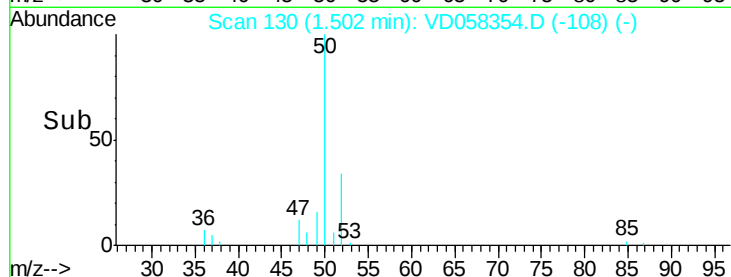
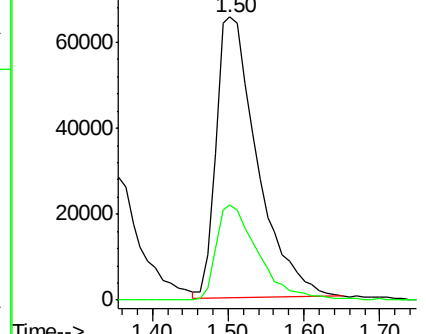
50 100

52 33.7 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 124.34 ug/l

RT: 1.57 min Scan# 137

Delta R.T. 0.02 min

Lab File: VD058354.D

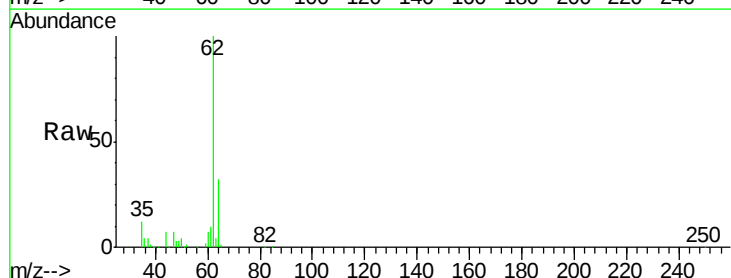
Acq: 23 Jun 2018 21:28

Tgt Ion: 62 Resp: 599574

Ion Ratio Lower Upper

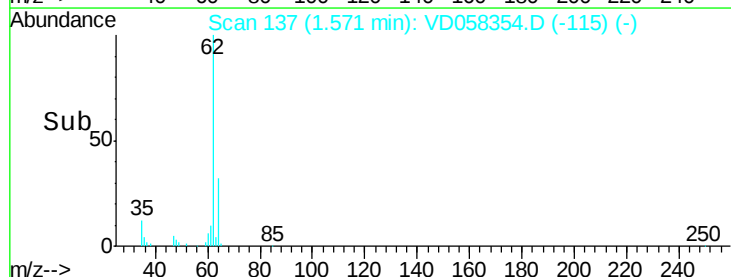
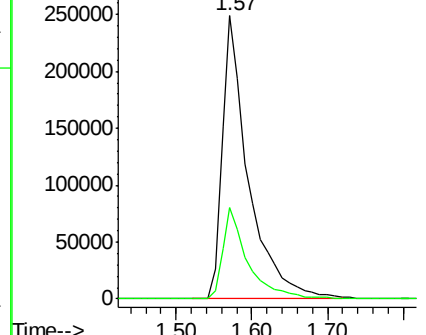
62 100

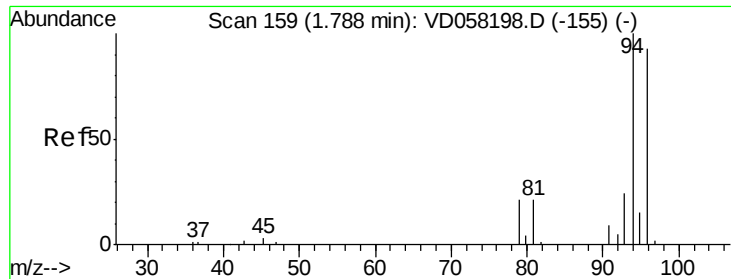
64 32.4 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

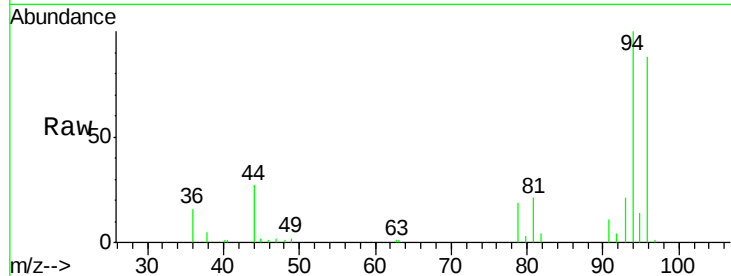




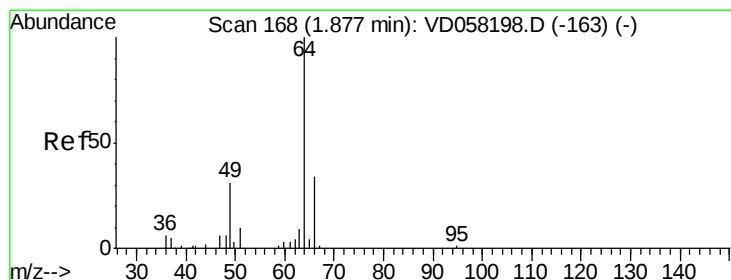
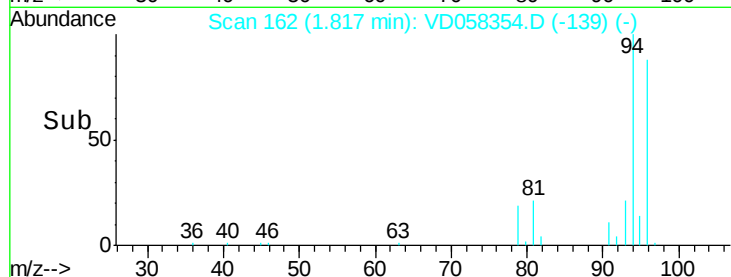
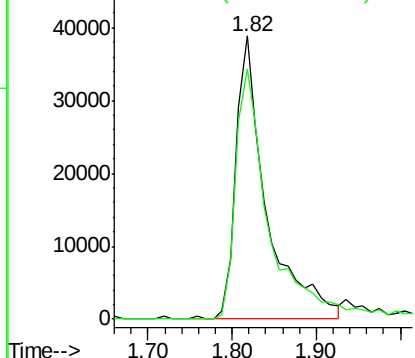
#5
Bromomethane
Concen: 64.55 ug/l
RT: 1.82 min Scan# 162
Delta R.T. 0.03 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 98908
Ion Ratio Lower Upper
94 100
96 88.2 74.2 111.2

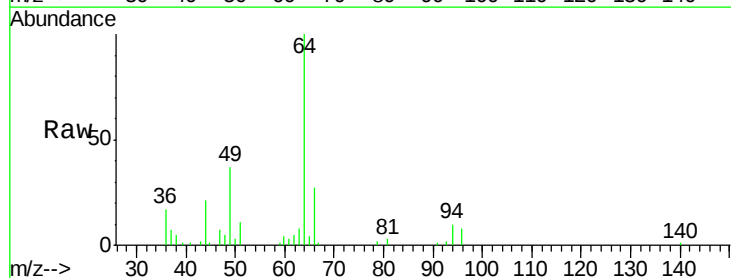


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

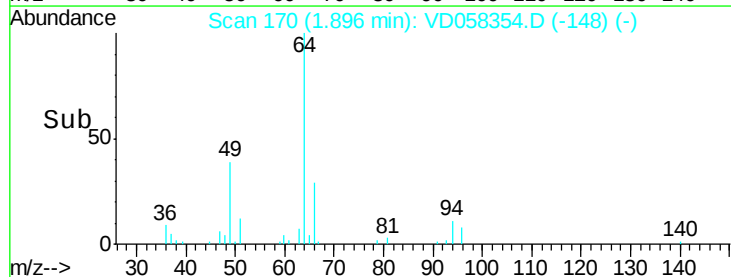
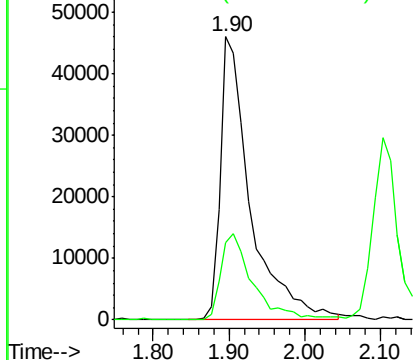


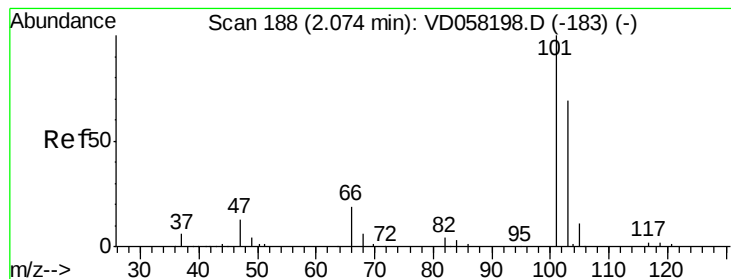
#6
Chloroethane
Concen: 79.56 ug/l
RT: 1.90 min Scan# 170
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 64 Resp: 127472
Ion Ratio Lower Upper
64 100
66 27.5 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



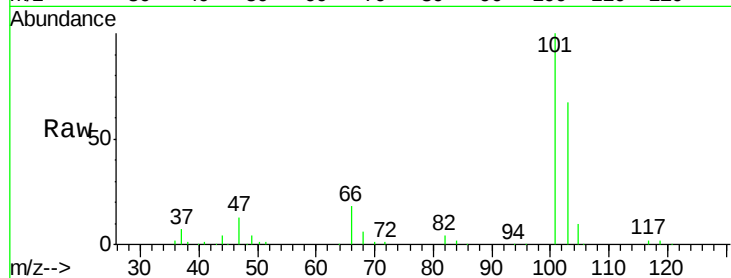


#7

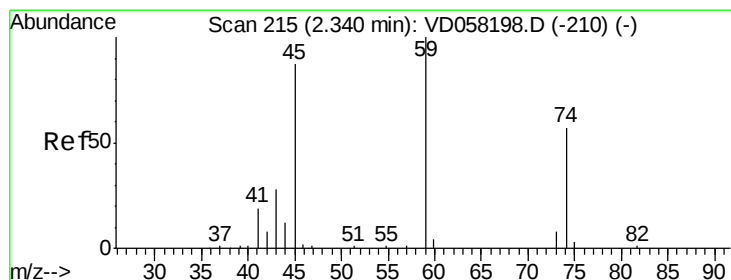
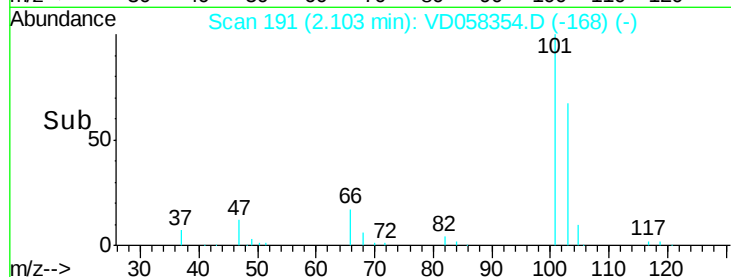
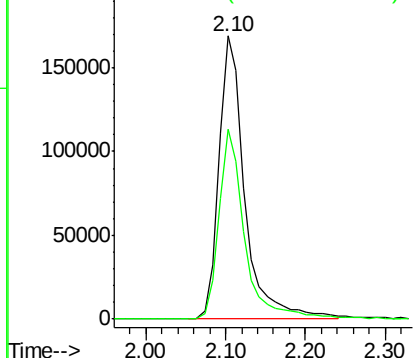
Trichlorofluoromethane
Concen: 58.67 ug/l
RT: 2.10 min Scan# 191
Delta R.T. 0.03 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 387913
Ion Ratio Lower Upper
101 100
103 67.0 55.1 82.7



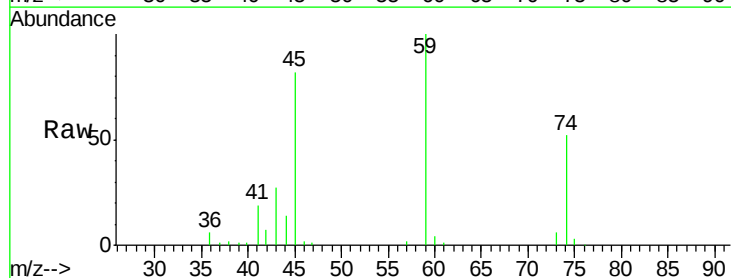
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



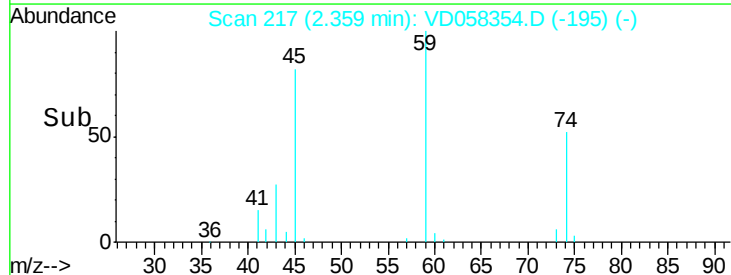
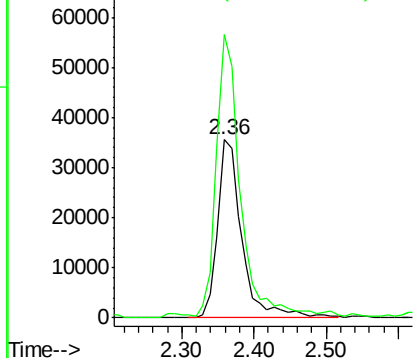
#8

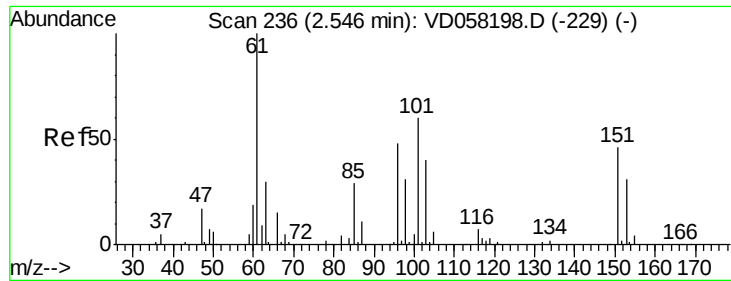
Diethyl Ether
Concen: 58.98 ug/l
RT: 2.36 min Scan# 217
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 74 Resp: 82481
Ion Ratio Lower Upper
74 100
45 158.9 77.5 232.6



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

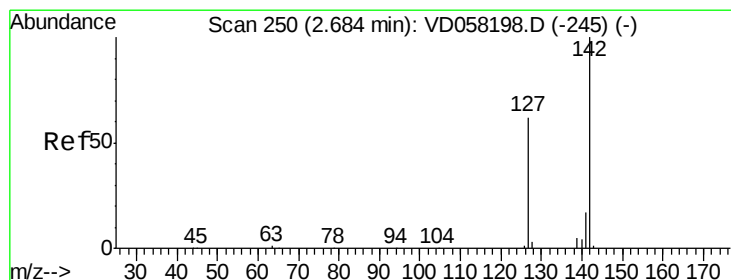
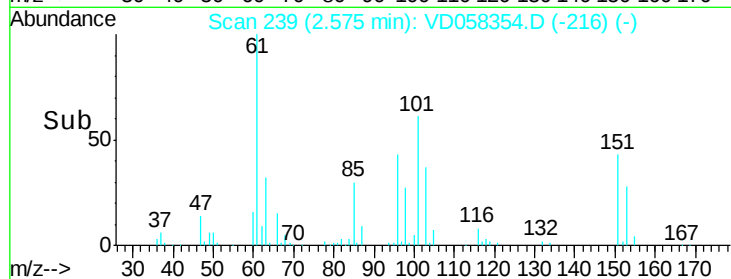
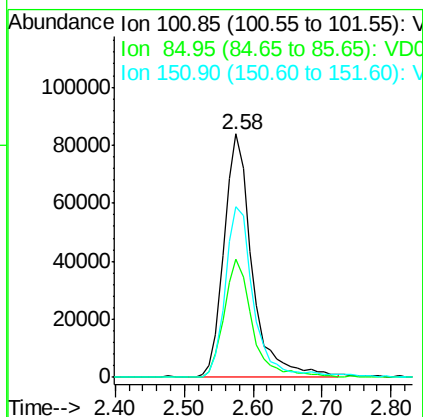
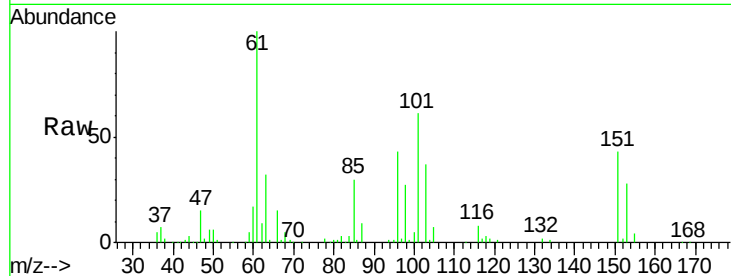




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 56.68 ug/l
 RT: 2.58 min Scan# 239
 Delta R.T. 0.03 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

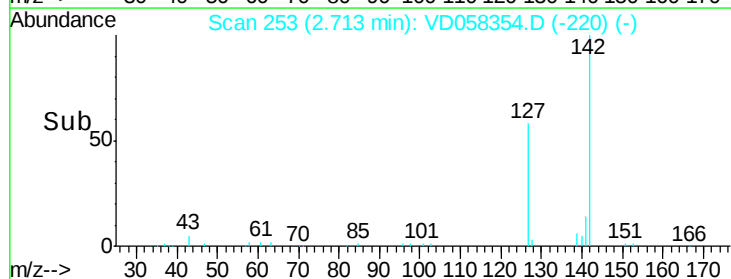
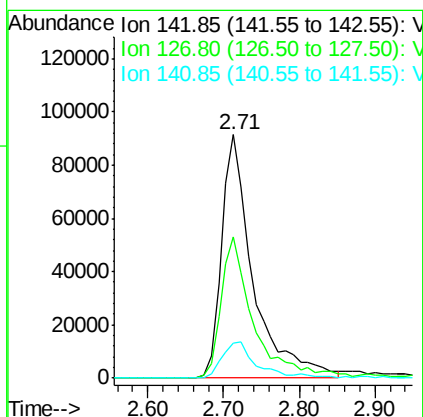
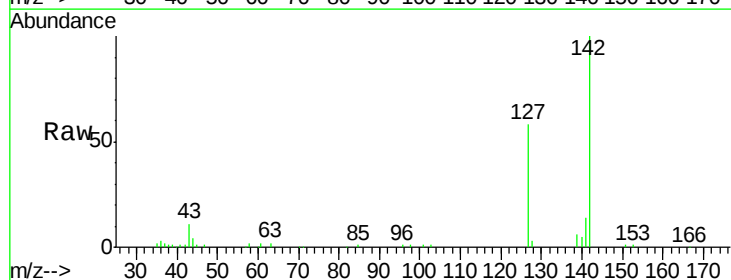
Instrument :
 MSVOA_D
 ClientSampleId :

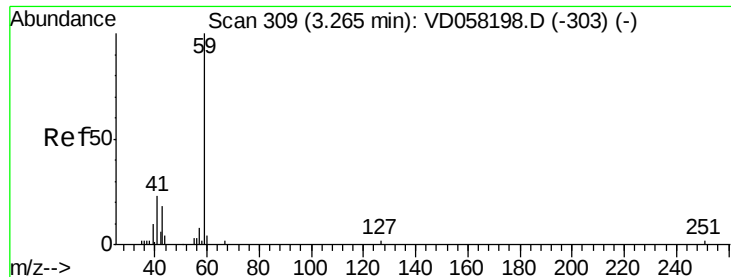
Tot Ion:101 Resp: 238216
 Ion Ratio Lower Upper
 101 100
 85 48.4 39.0 58.4
 151 70.2 61.8 92.8



#10
 Methyl Iodide
 Concen: 55.17 ug/l
 RT: 2.71 min Scan# 253
 Delta R.T. 0.03 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Tgt Ion:142 Resp: 263776
 Ion Ratio Lower Upper
 142 100
 127 58.0 49.4 74.0
 141 14.2 13.5 20.3

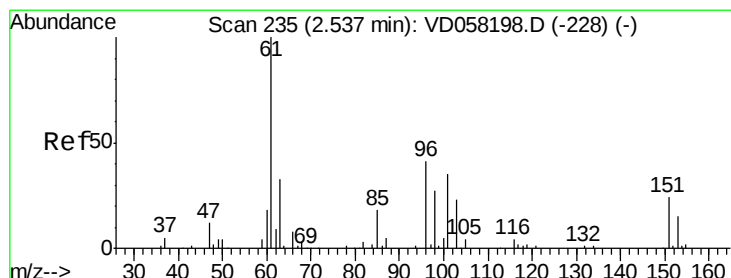
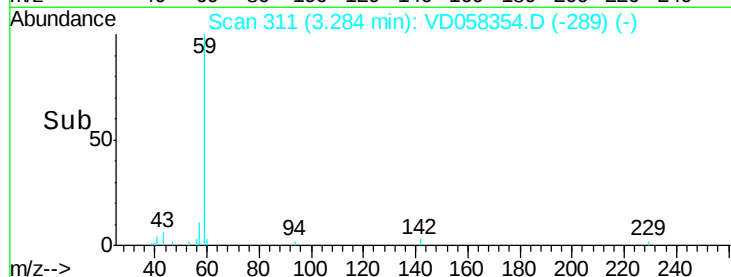
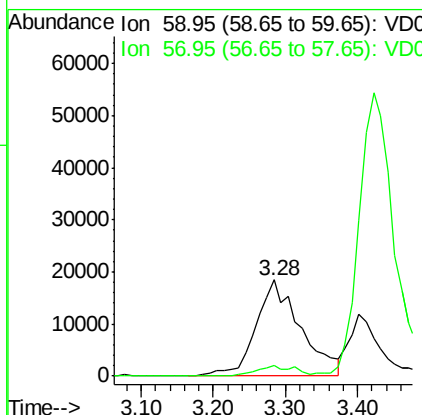
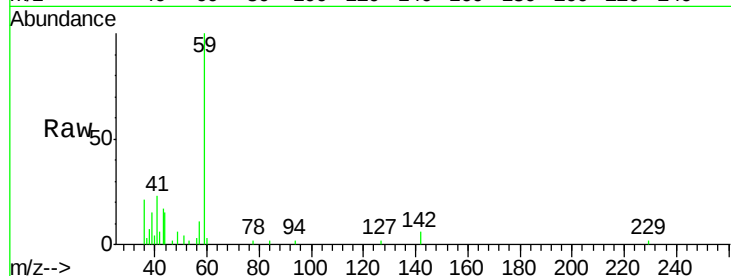




#11
Tert butyl alcohol
Concen: 259.02 ug/l
RT: 3.28 min Scan# 311
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

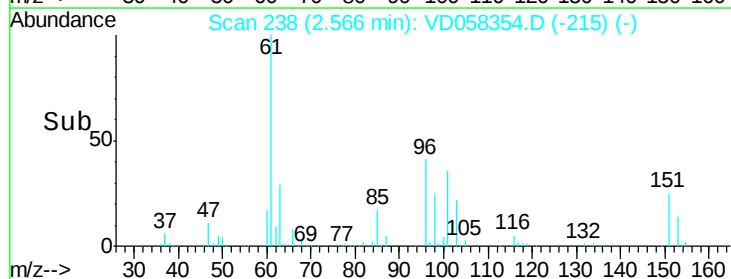
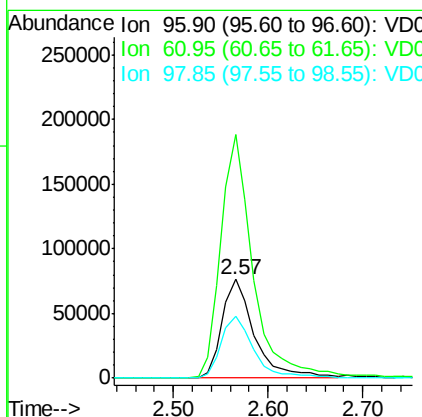
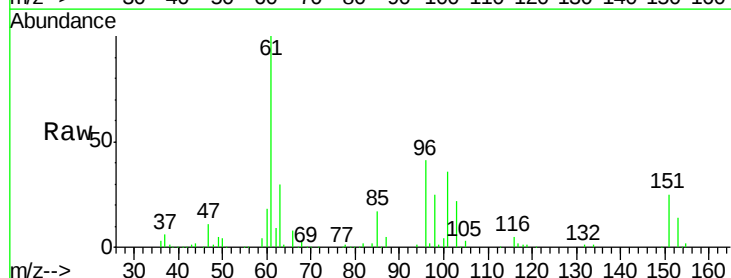
Instrument :
MSVOA_D
ClientSampleId :

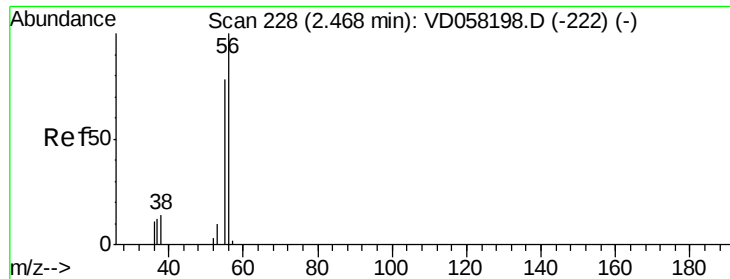
Tot Ion: 59 Resp: 79427
Ion Ratio Lower Upper
59 100
57 11.2 6.2 9.4#



#12
1,1-Dichloroethene
Concen: 57.46 ug/l
RT: 2.57 min Scan# 238
Delta R.T. 0.03 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 96 Resp: 181707
Ion Ratio Lower Upper
96 100
61 246.9 193.9 290.9
98 62.6 51.7 77.5





#13

Acrolein

Concen: 105.43 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

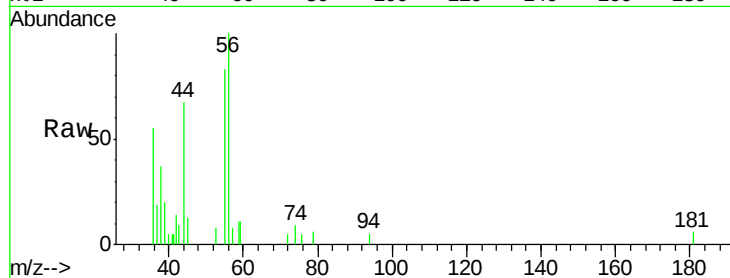
ClientSampleId :

Tot Ion: 56 Resp: 18455

Ion Ratio Lower Upper

56 100

55 82.9 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.49

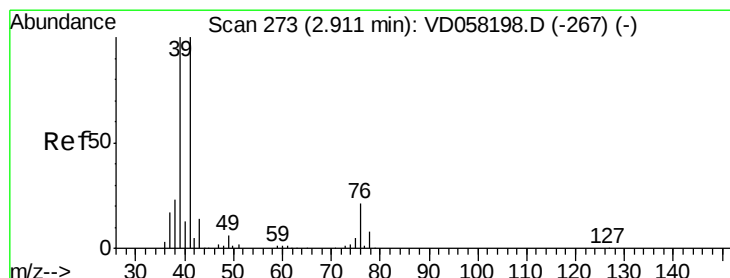
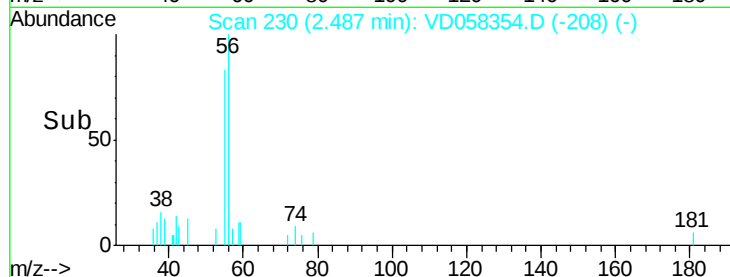
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 57.31 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.03 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

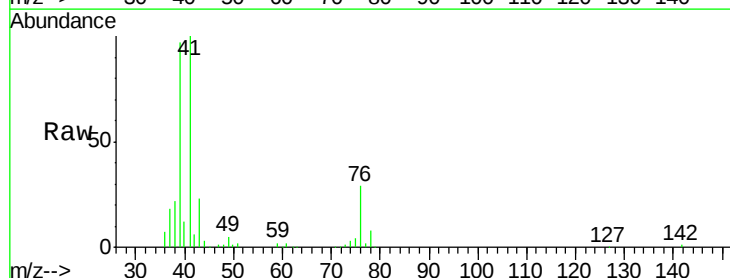
Tgt Ion: 41 Resp: 421830

Ion Ratio Lower Upper

41 100

39 96.9 80.1 120.1

76 29.4 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

2.94

250000

200000

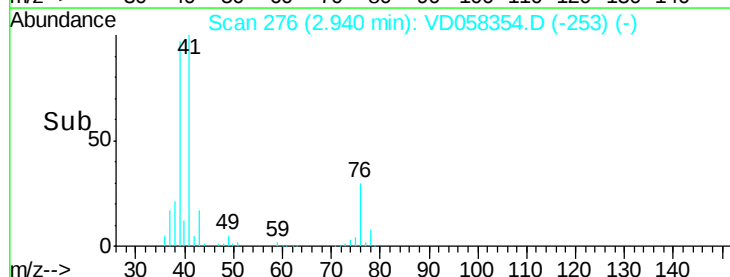
150000

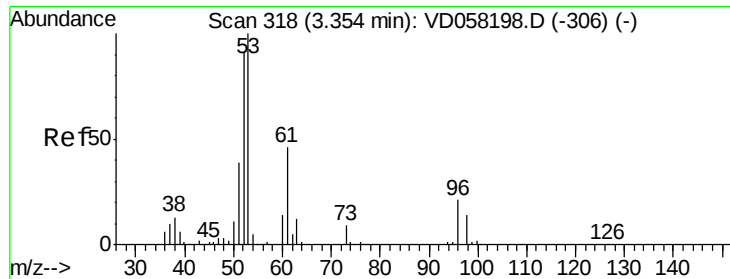
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 437.46 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.03 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

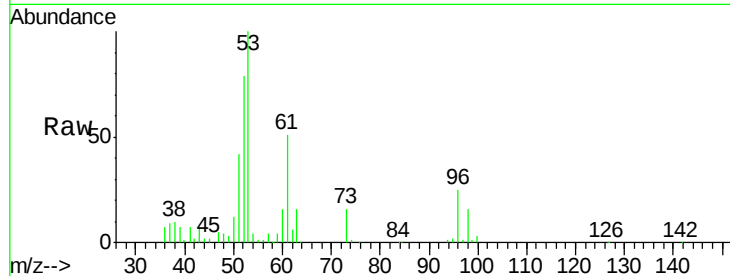
Tot Ion: 53 Resp: 355690

Ion Ratio Lower Upper

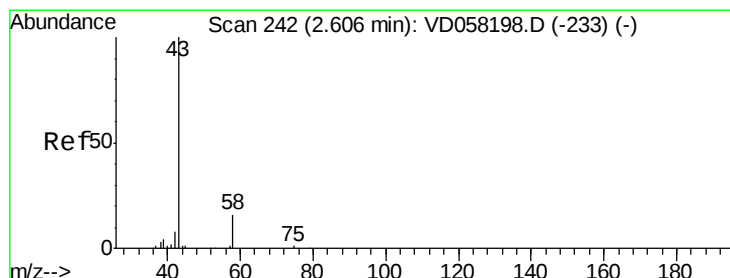
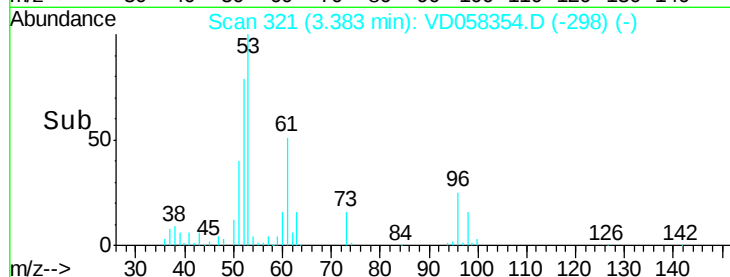
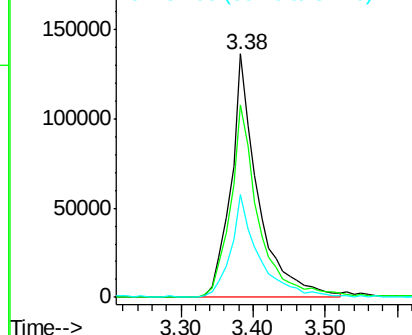
53 100

52 79.1 72.6 108.8

51 42.1 32.2 48.4



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



#16

Acetone

Concen: 339.48 ug/l

RT: 2.63 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD058354.D

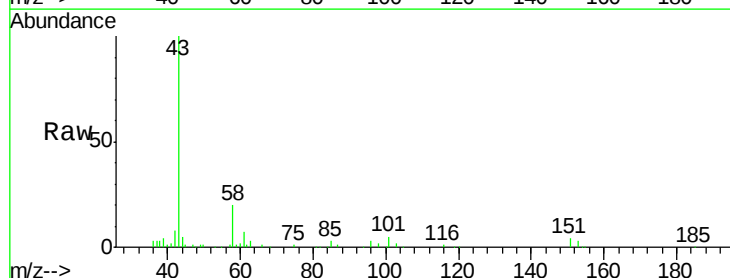
Acq: 23 Jun 2018 21:28

Tgt Ion: 43 Resp: 431650

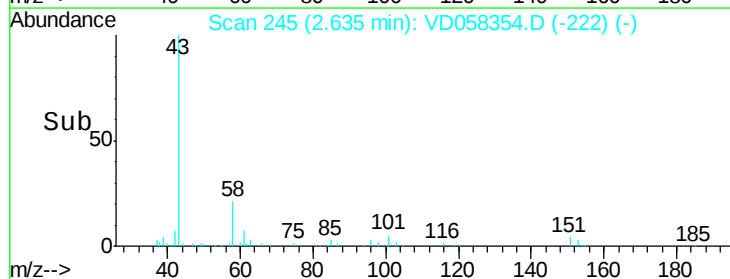
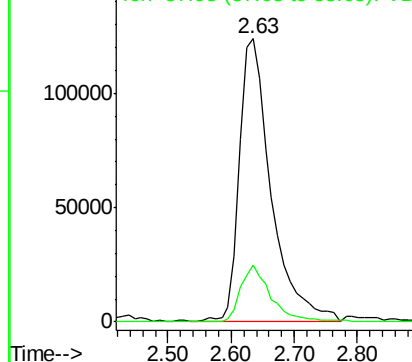
Ion Ratio Lower Upper

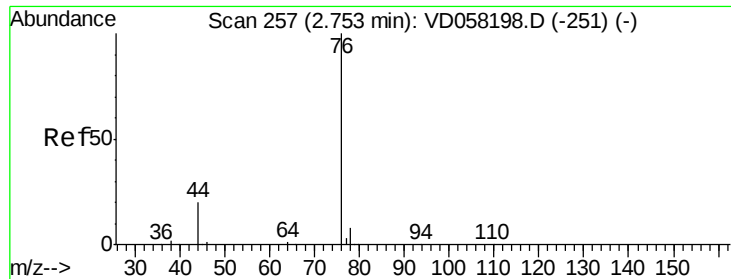
43 100

58 20.2 12.7 19.1#



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

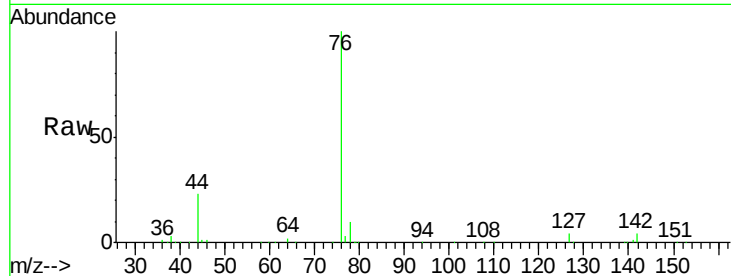




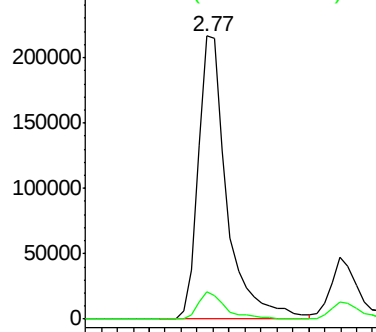
#17
Carbon Disulfide
Concen: 50.85 ug/l
RT: 2.77 min Scan# 259
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Instrument :
MSVOA_D
ClientSampleId :

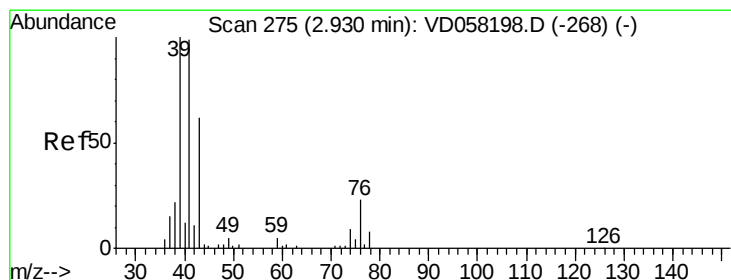
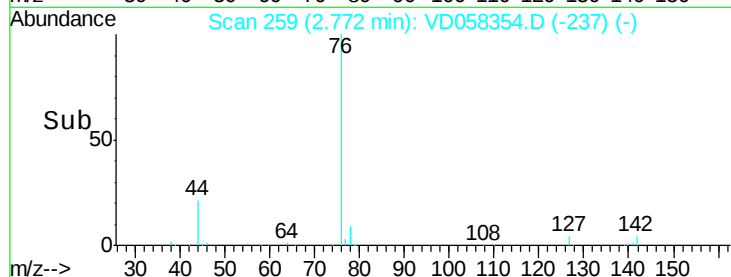
Tot Ion: 76 Resp: 547121
Ion Ratio Lower Upper
76 100
78 9.6 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

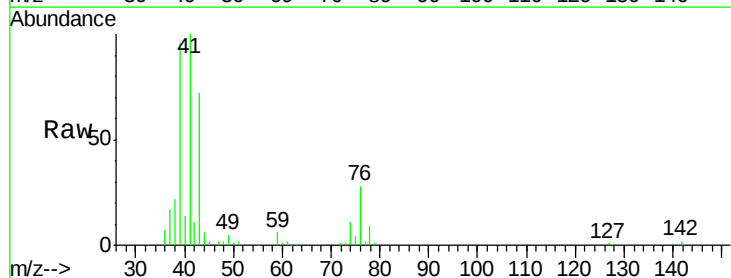


Time-->

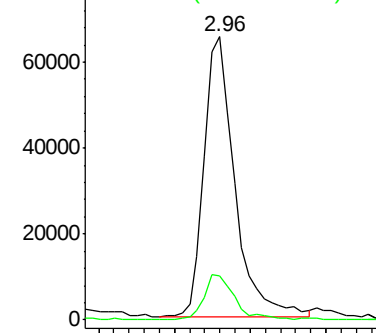


#18
Methyl Acetate
Concen: 67.16 ug/l
RT: 2.96 min Scan# 278
Delta R.T. 0.03 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

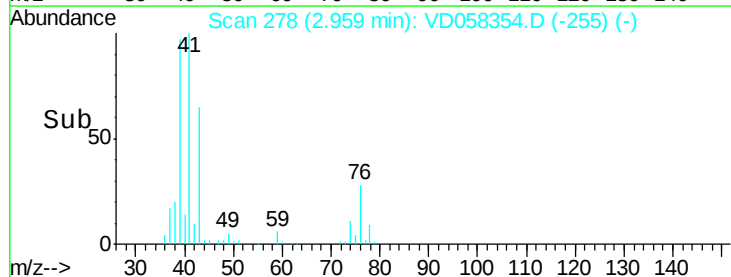
Tgt Ion: 43 Resp: 182115
Ion Ratio Lower Upper
43 100
74 15.6 11.7 17.5

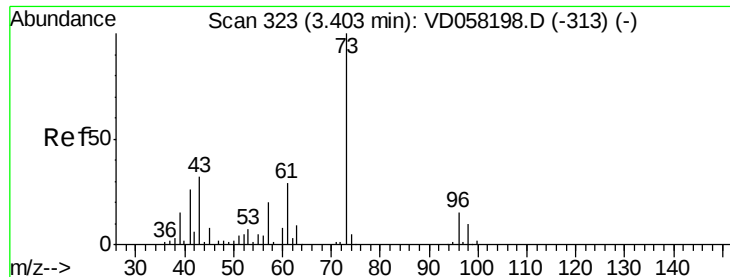


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time-->

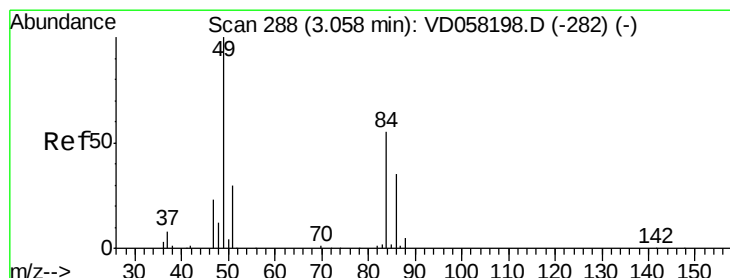
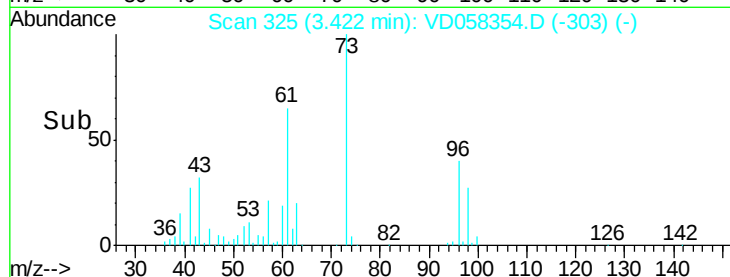
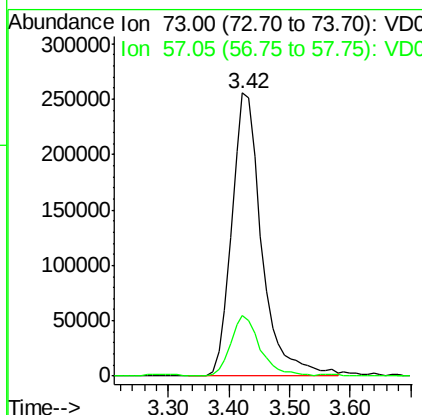
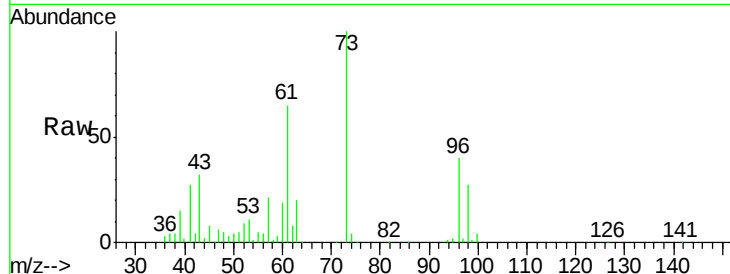




#19
Methyl tert-butyl Ether
Concen: 104.75 ug/l
RT: 3.42 min Scan# 325
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

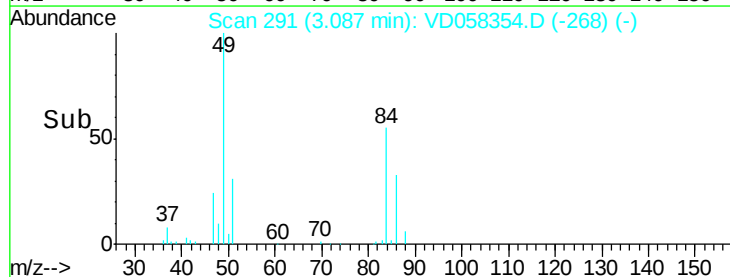
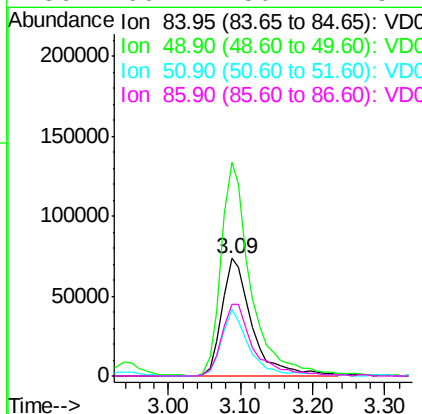
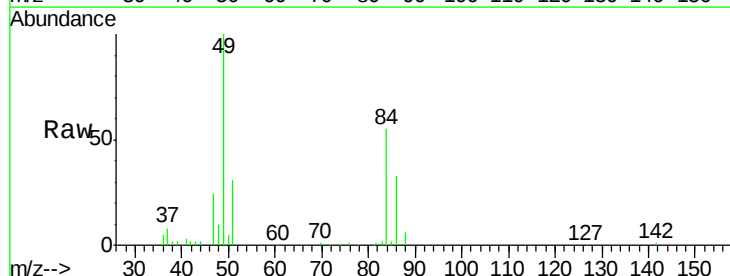
Instrument :
MSVOA_D
ClientSampled :

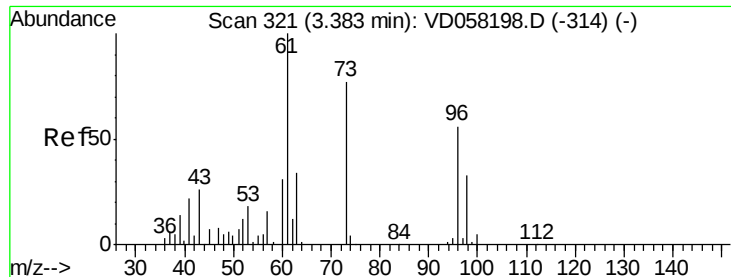
Tot Ion: 73 Resp: 878634
Ion Ratio Lower Upper
73 100
57 21.3 16.6 24.8



#20
Methylene Chloride
Concen: 65.24 ug/l
RT: 3.09 min Scan# 291
Delta R.T. 0.03 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 84 Resp: 211729
Ion Ratio Lower Upper
84 100
49 182.2 145.0 217.6
51 56.3 42.9 64.3
86 60.7 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 120.06 ug/l

RT: 3.41 min Scan# 324

Delta R.T. 0.03 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :
MSVOA_D
ClientSampled :

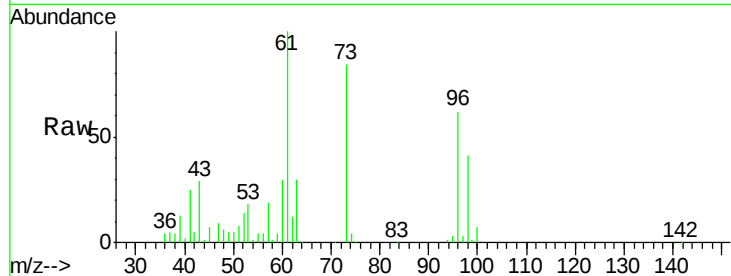
Tot Ion: 96 Resp: 414951

Ion Ratio Lower Upper

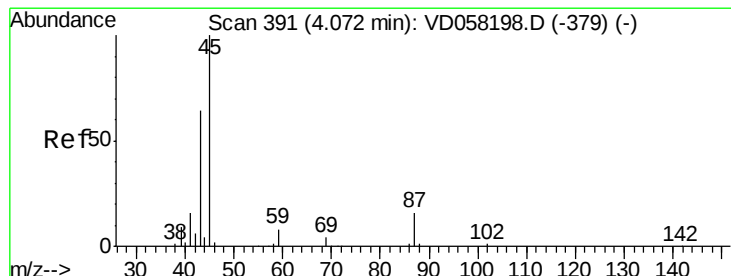
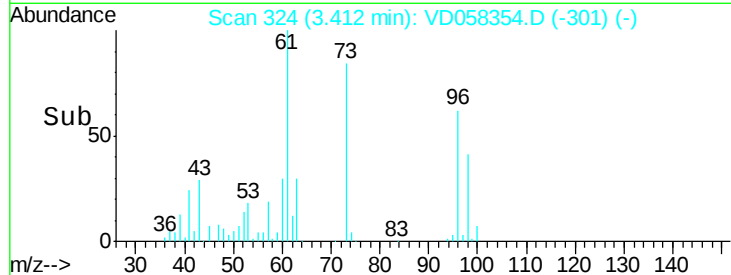
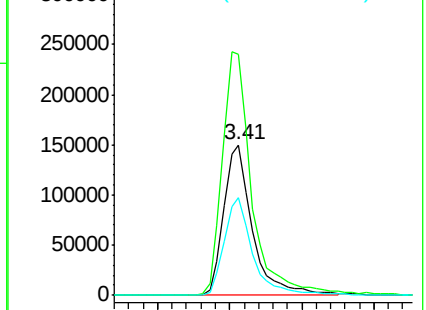
96 100

61 160.2 143.8 215.6

98 65.1 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: 53.61 ug/l

RT: 4.09 min Scan# 393

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Tgt Ion: 45 Resp: 1567089

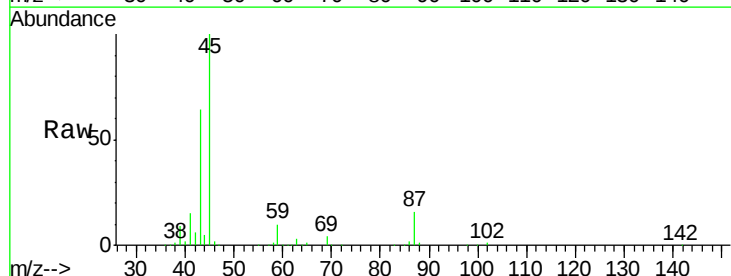
Ion Ratio Lower Upper

45 100

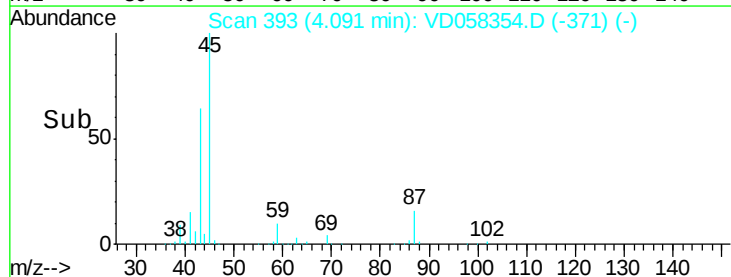
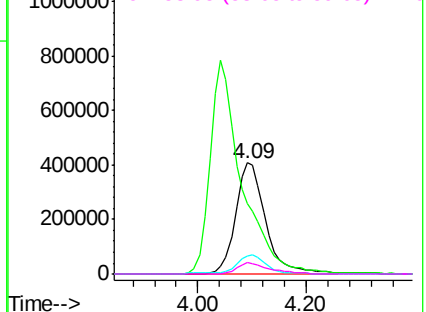
43 64.1 51.4 77.0

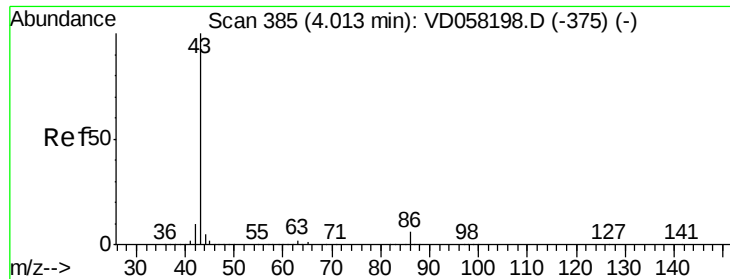
87 16.2 13.0 19.4

59 10.2 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: 199.77 ug/l

RT: 4.04 min Scan# 388

Delta R.T. 0.03 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

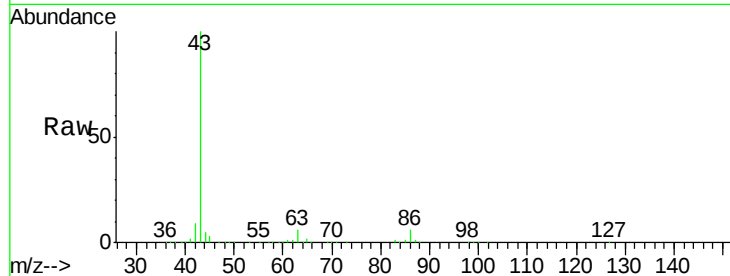
ClientSampled :

Tot Ion: 43 Resp: 3130511

Ion Ratio Lower Upper

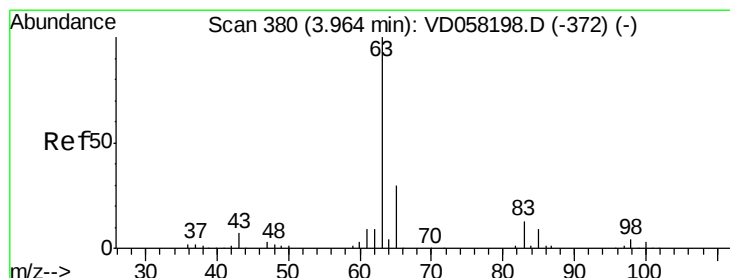
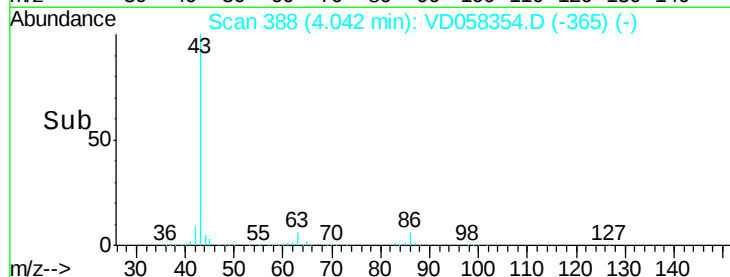
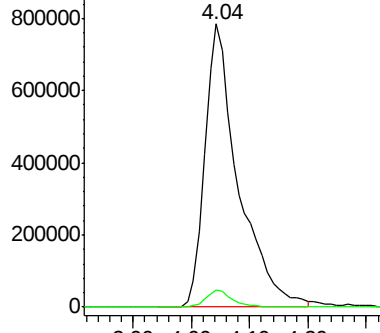
43 100

86 5.9 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 60.98 ug/l

RT: 4.00 min Scan# 384

Delta R.T. 0.04 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

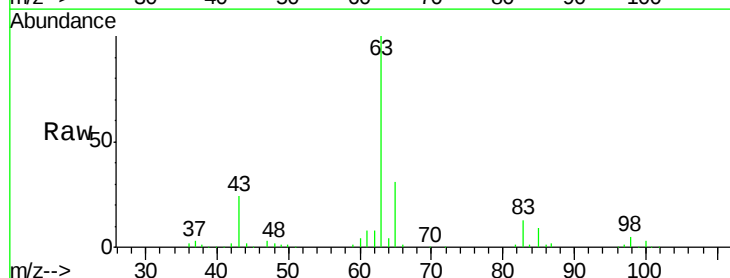
Tgt Ion: 63 Resp: 960334

Ion Ratio Lower Upper

63 100

98 4.7 1.9 5.7

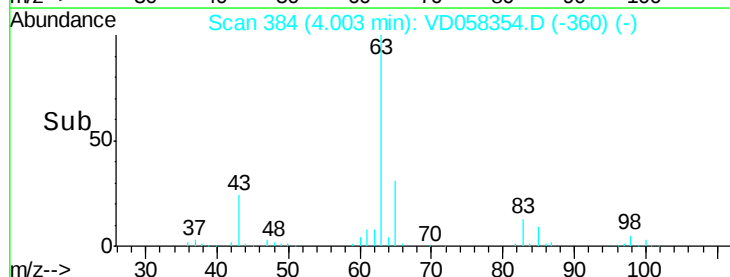
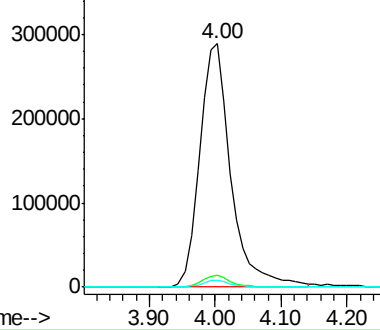
100 3.2 1.3 3.9

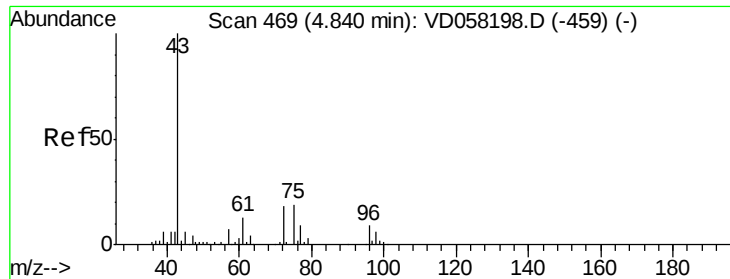


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 220.62 ug/l

RT: 4.86 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

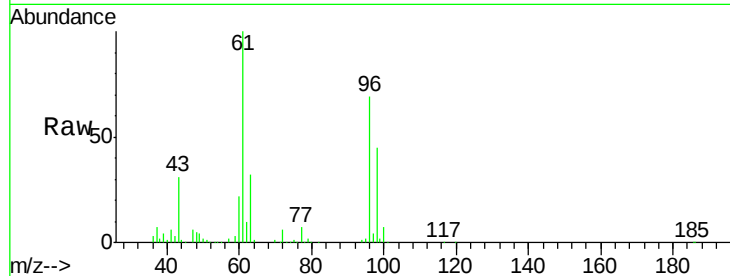
ClientSampled :

Tot Ion: 43 Resp: 611387

Ion Ratio Lower Upper

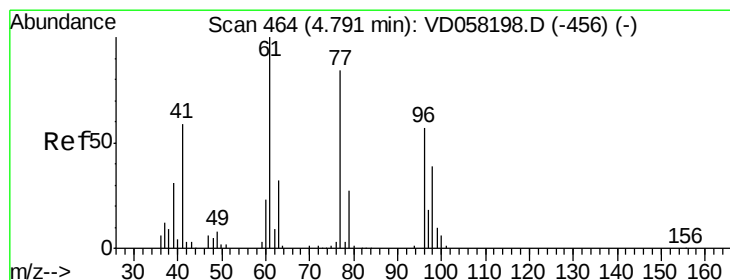
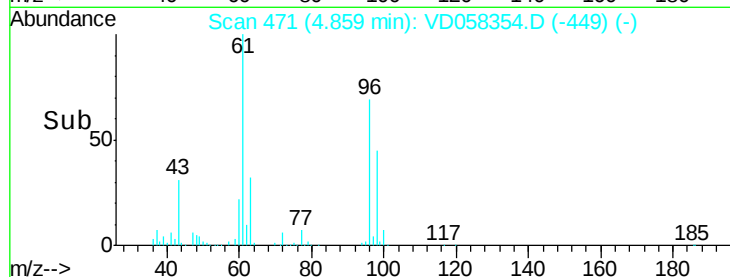
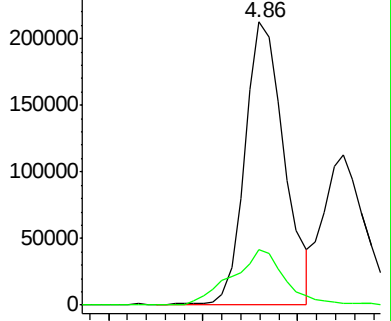
43 100

72 19.6 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: 44.37 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.03 min

Lab File: VD058354.D

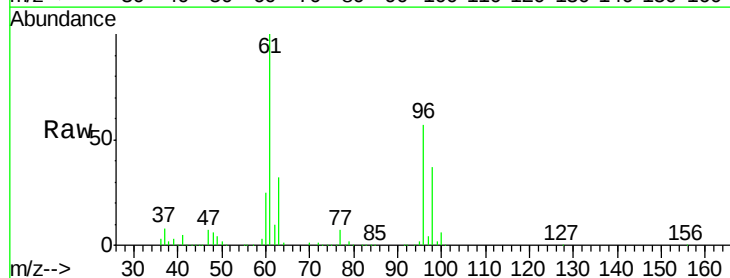
Acq: 23 Jun 2018 21:28

Tgt Ion: 77 Resp: 585063

Ion Ratio Lower Upper

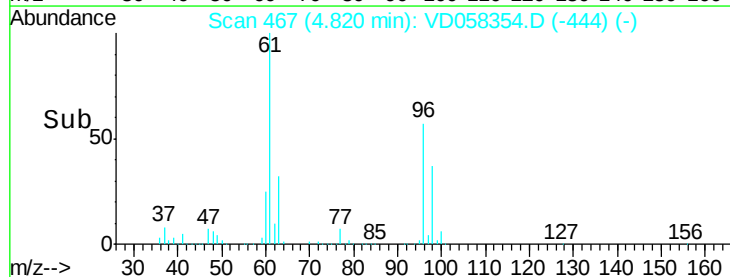
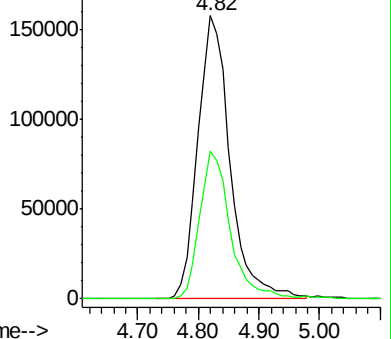
77 100

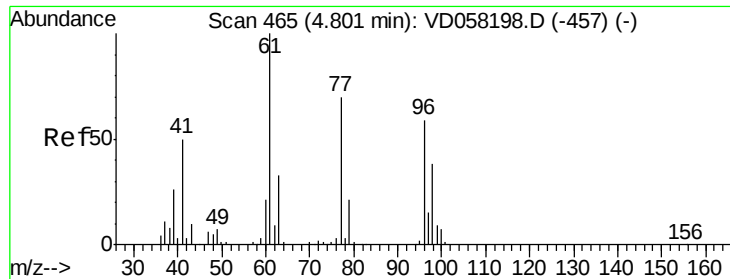
97 52.1 10.5 31.6#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



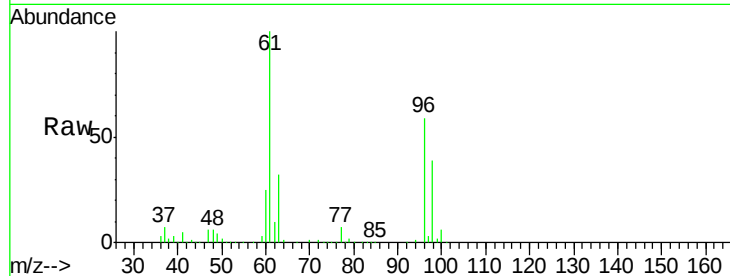


#27

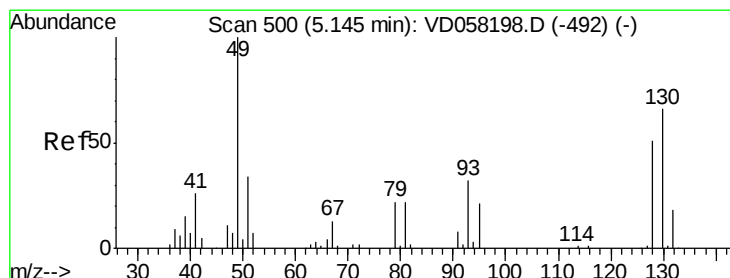
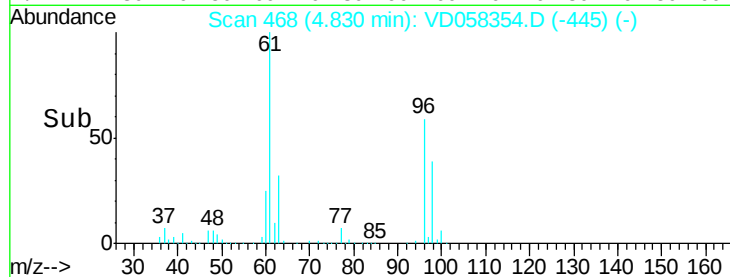
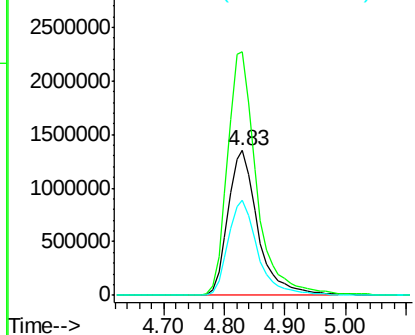
cis-1,2-Dichloroethene
Concen: 536.70 ug/l
RT: 4.83 min Scan# 468
Delta R.T. 0.03 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 4635294
Ion Ratio Lower Upper
96 100
61 168.3 0.0 338.6
98 65.7 0.0 130.2



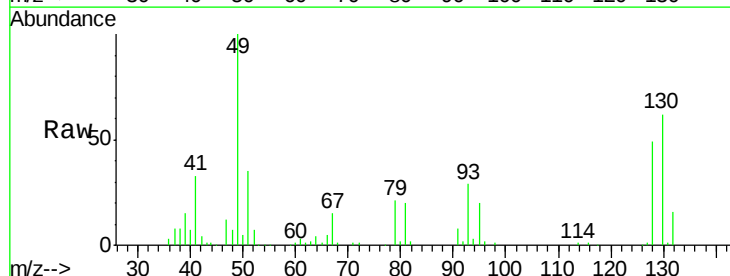
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



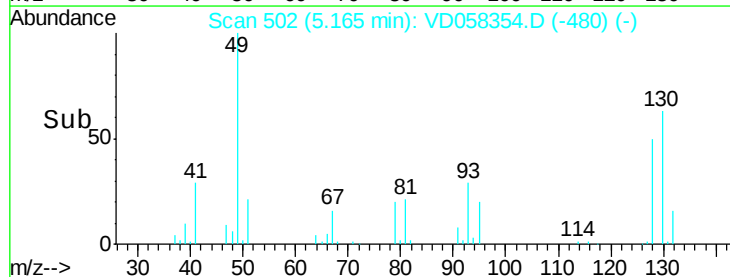
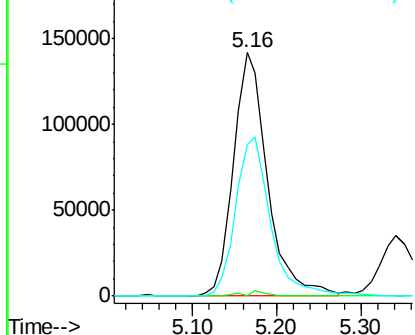
#28

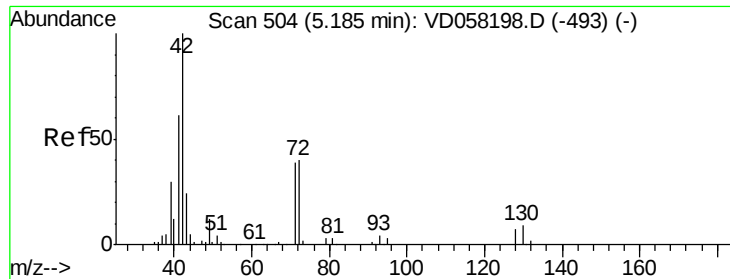
Bromochloromethane
Concen: 56.48 ug/l
RT: 5.16 min Scan# 502
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 49 Resp: 398733
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 62.4 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

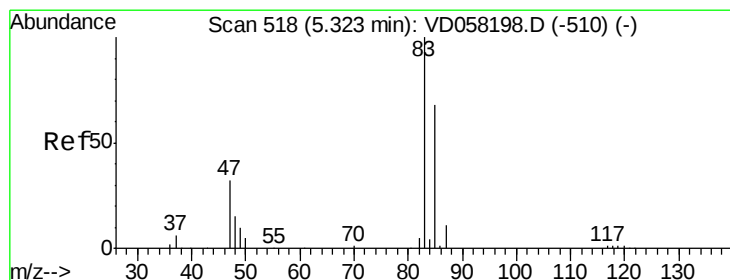
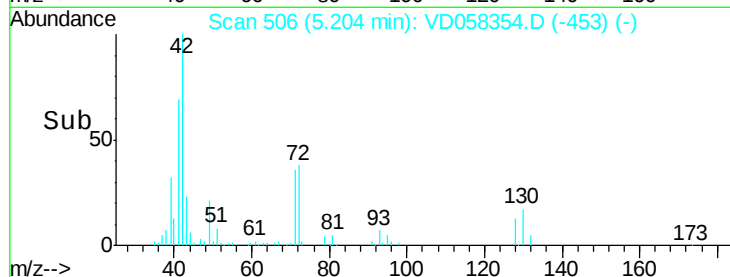
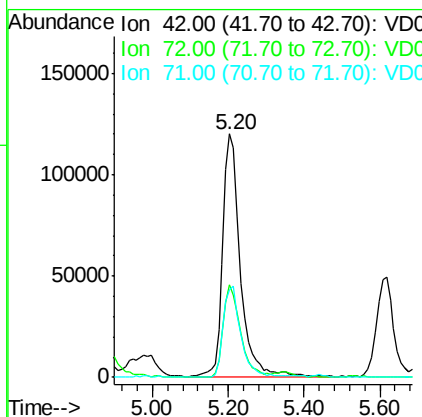
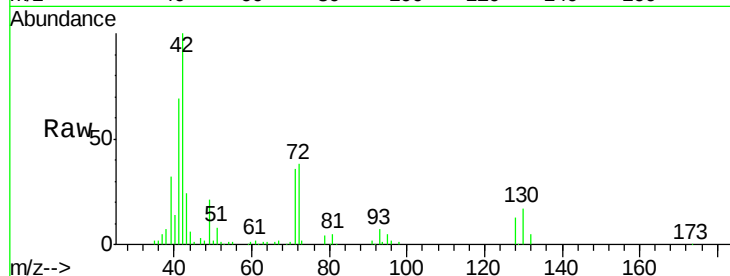




#29
Tetrahydrofuran
Concen: 266.27 ug/l
RT: 5.20 min Scan# 506
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

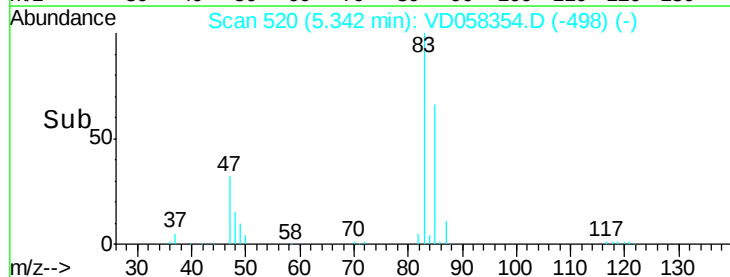
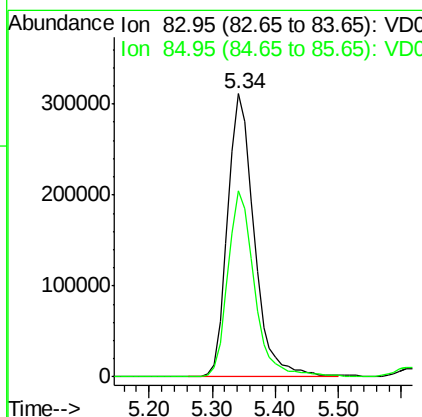
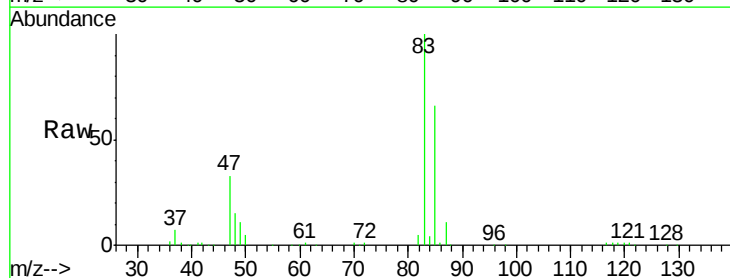
Instrument :
MSVOA_D
ClientSampled :

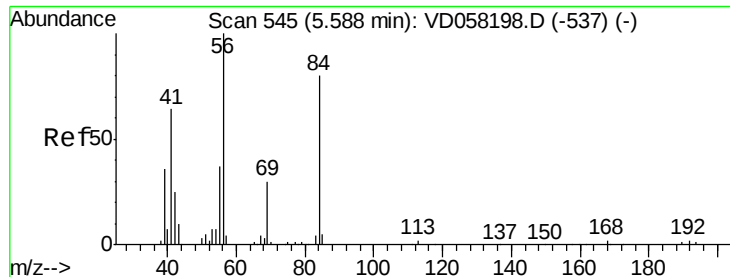
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	30.2	45.2
71	37.0	30.1	45.1



#30
Chloroform
Concen: 54.65 ug/l
RT: 5.34 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	54.8	82.2

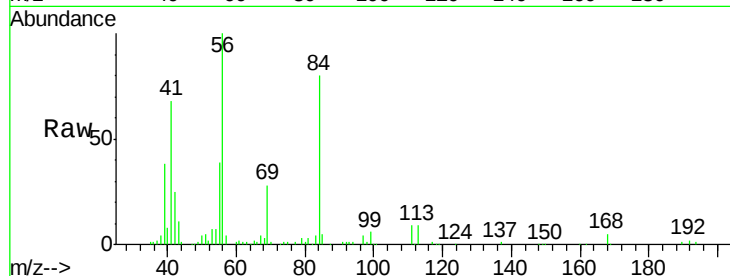




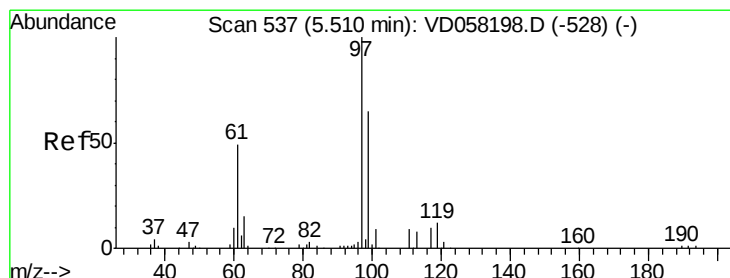
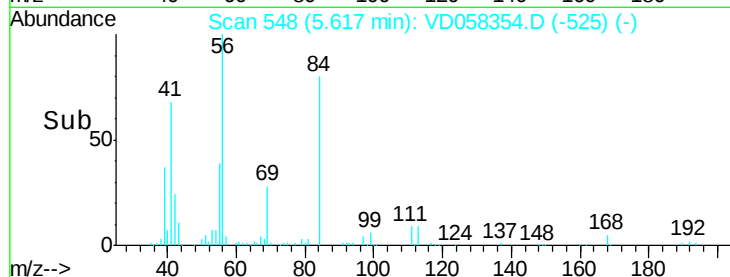
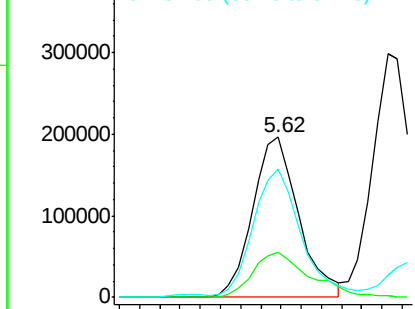
#31
Cyclohexane
Concen: 54.84 ug/l
RT: 5.62 min Scan# 548
Delta R.T. 0.03 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 621277
Ion Ratio Lower Upper
56 100
69 28.2 23.6 35.4
84 79.8 65.2 97.8

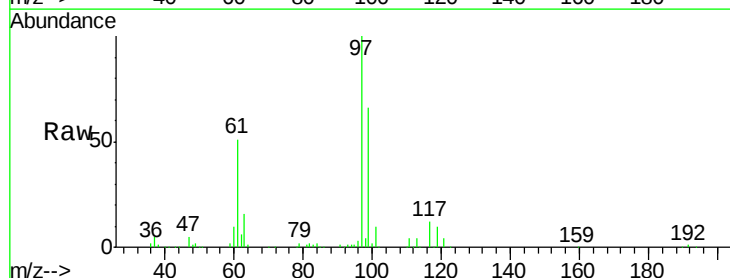


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

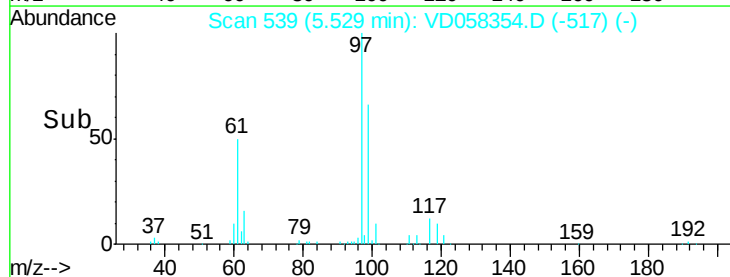
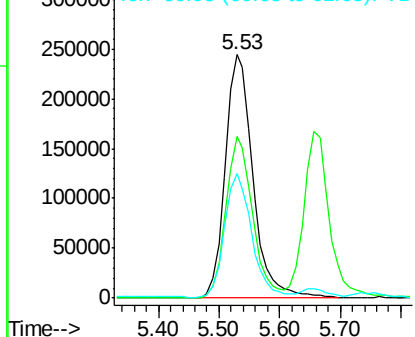


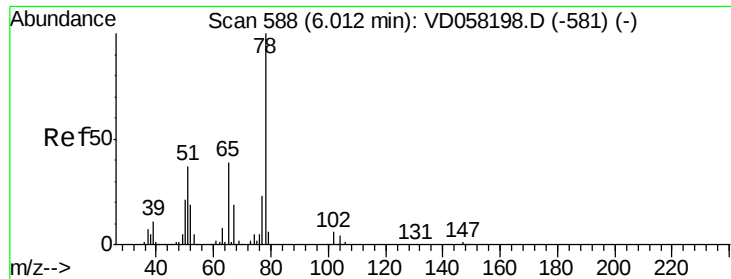
#32
1,1,1-Trichloroethane
Concen: 56.33 ug/l
RT: 5.53 min Scan# 539
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 97 Resp: 773871
Ion Ratio Lower Upper
97 100
99 66.2 52.2 78.4
61 51.3 39.0 58.4



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

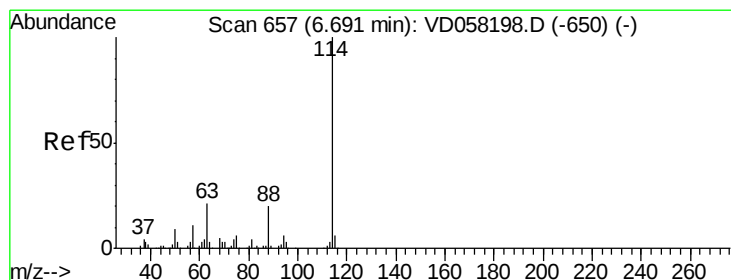
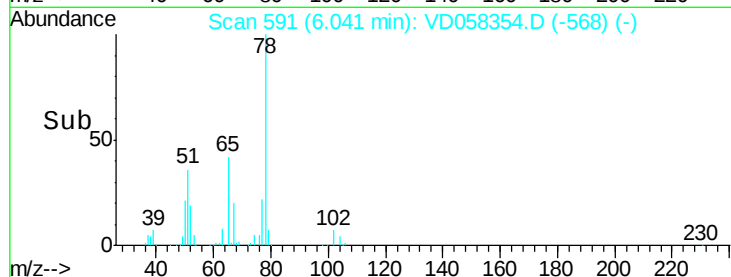
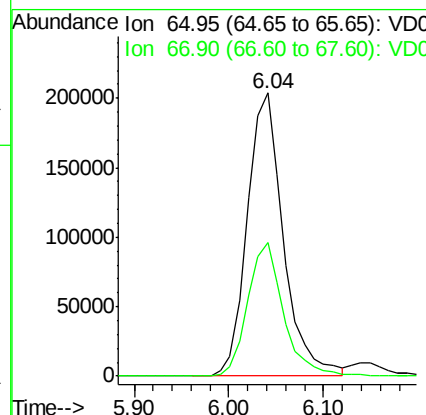
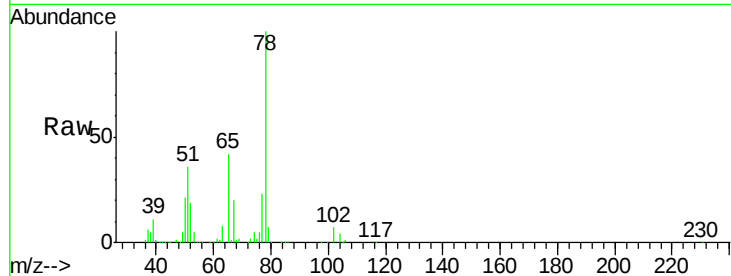




#33
 1,2-Dichloroethane-d4
 Concen: 56.33 ug/l
 RT: 6.04 min Scan# 591
 Delta R.T. 0.03 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

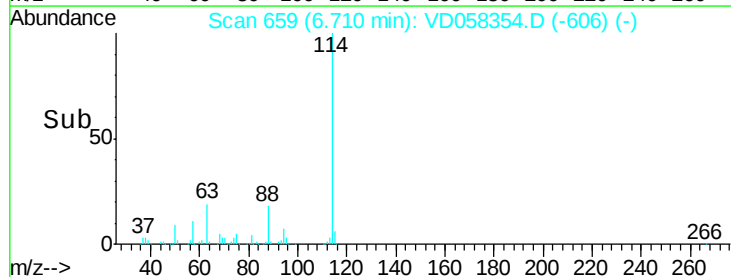
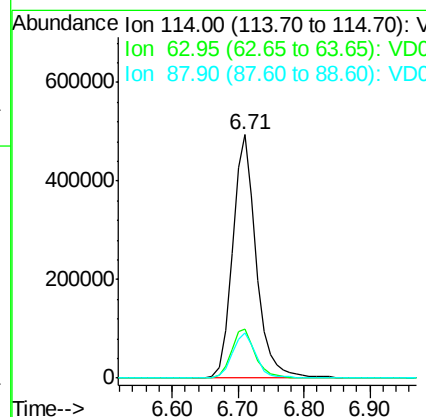
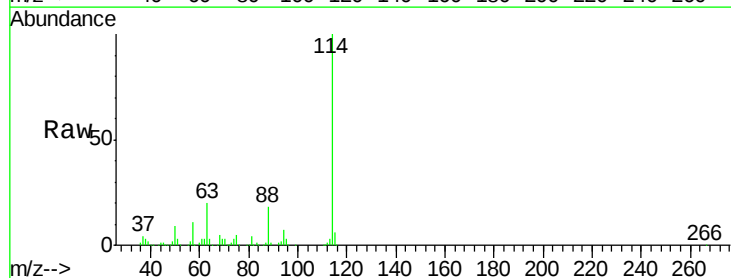
Instrument :
 MSVOA_D
 ClientSampleId :

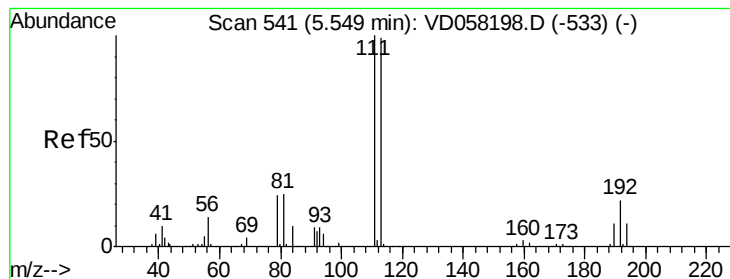
Tot Ion: 65 Resp: 539989
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.71 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Tgt Ion: 114 Resp: 1235884
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.6
 88 18.3 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.57 min Scan# 543

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampled :

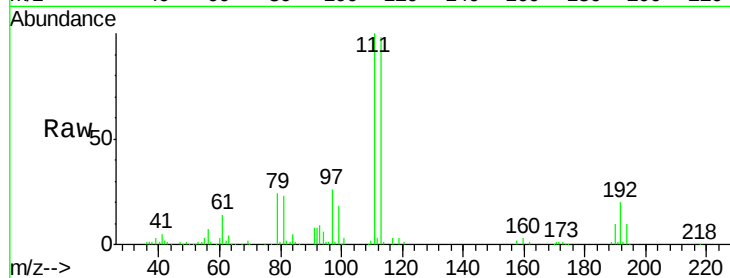
Tot Ion:113 Resp: 548586

Ion Ratio Lower Upper

113 100

111 102.1 80.6 121.0

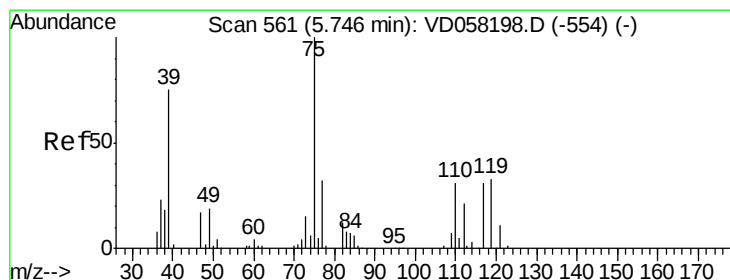
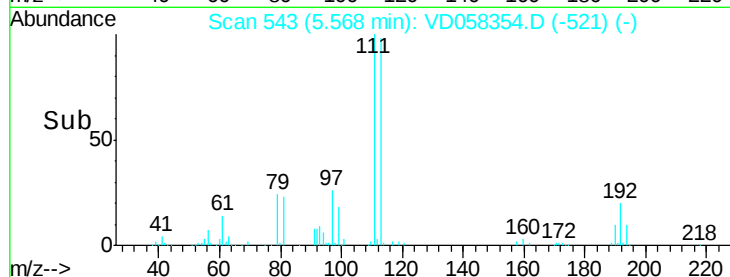
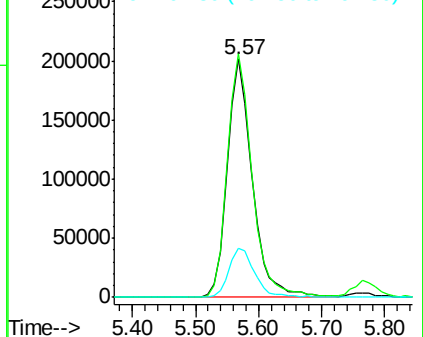
192 20.3 17.8 26.6



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: 49.17 ug/l

RT: 5.77 min Scan# 563

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

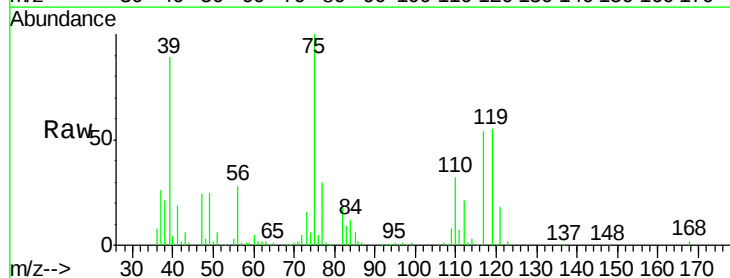
Tgt Ion: 75 Resp: 601214

Ion Ratio Lower Upper

75 100

110 31.7 15.4 46.4

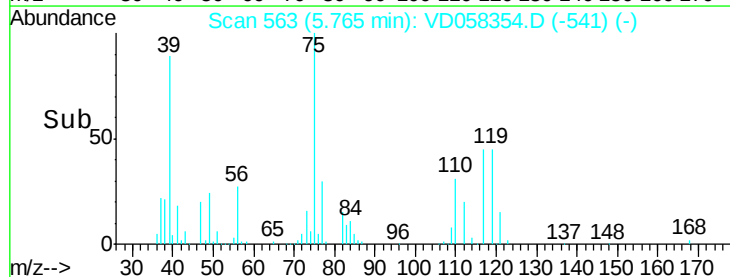
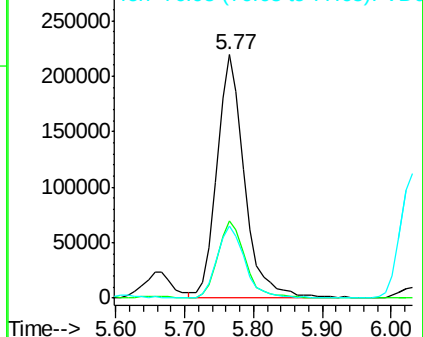
77 29.7 25.4 38.2

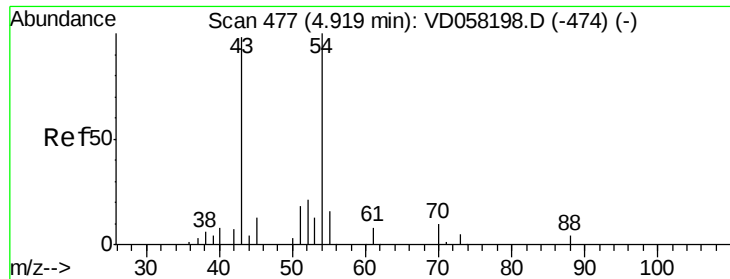


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

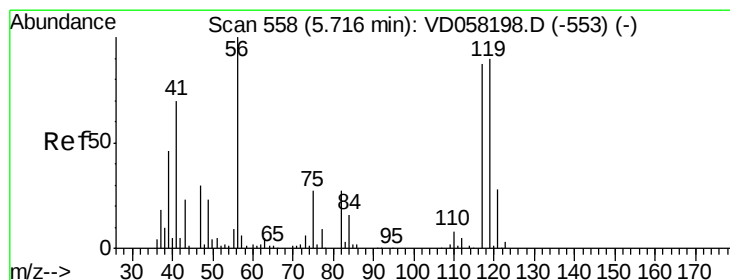
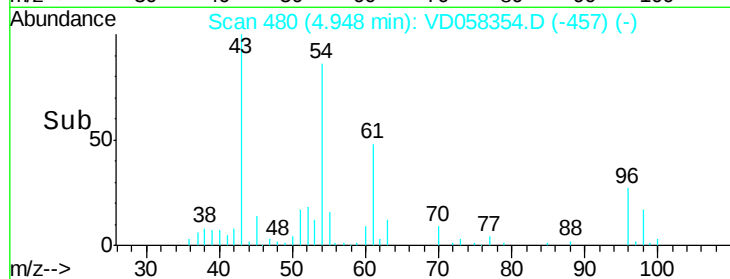
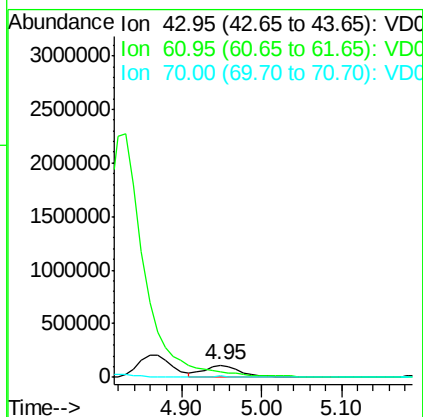
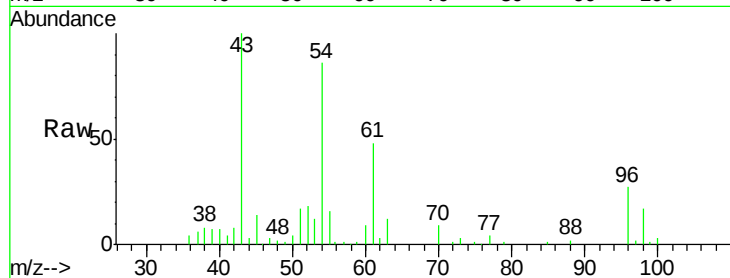




#37
Ethyl Acetate
Concen: 51.54 ug/l
RT: 4.95 min Scan# 480
Delta R.T. 0.03 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

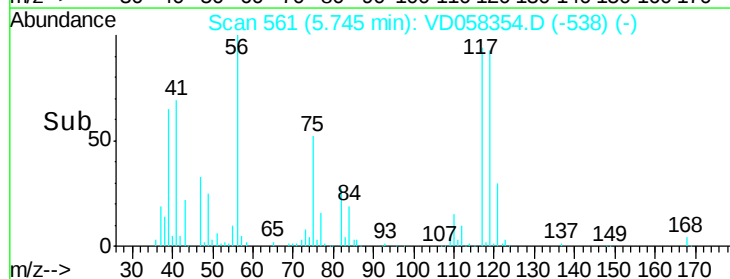
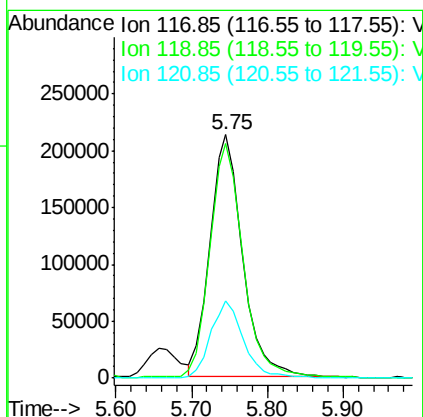
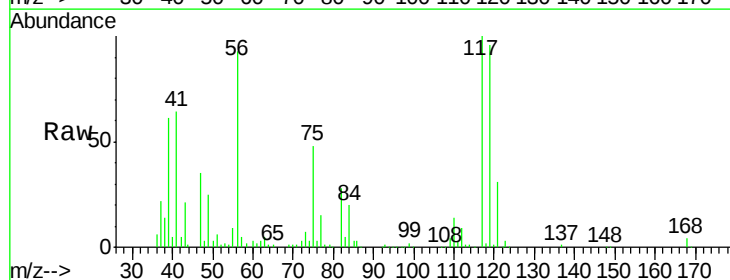
Instrument :
MSVOA_D
ClientSampleId :

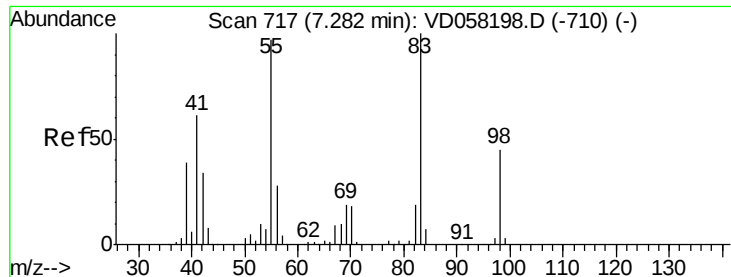
Tot Ion: 43 Resp: 359028
Ion Ratio Lower Upper
43 100
61 47.8 10.3 15.5#
70 8.8 5.7 8.5#



#38
Carbon Tetrachloride
Concen: 52.78 ug/l
RT: 5.75 min Scan# 561
Delta R.T. 0.03 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 117 Resp: 641180
Ion Ratio Lower Upper
117 100
119 96.1 78.8 118.2
121 31.5 25.0 37.6

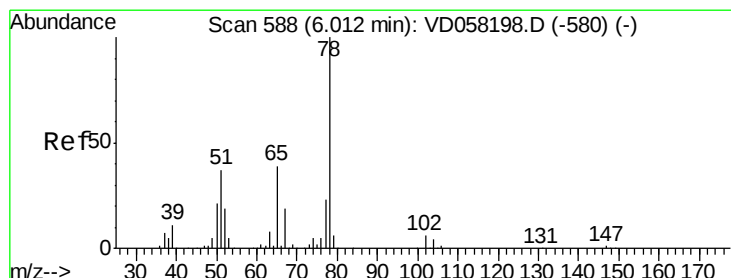
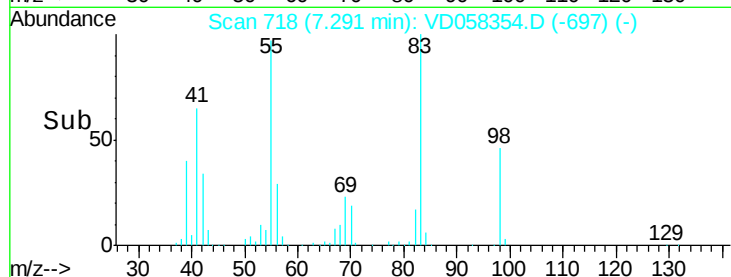
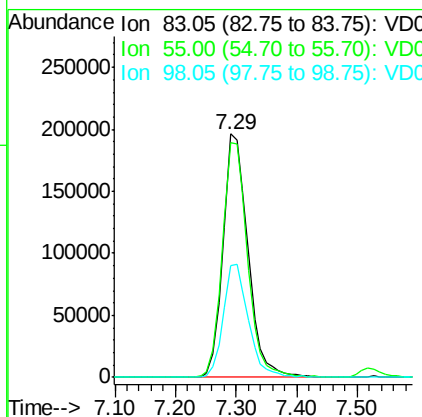
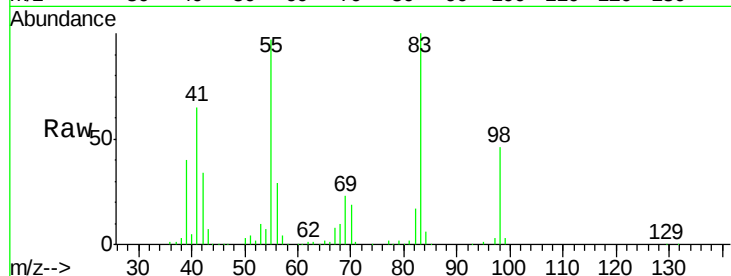




#39
Methvlcvclohexane
Concen: 47.31 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.01 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

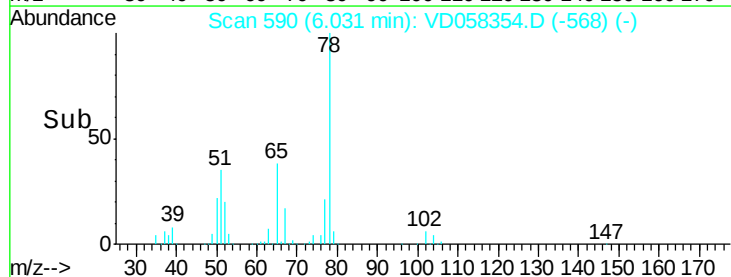
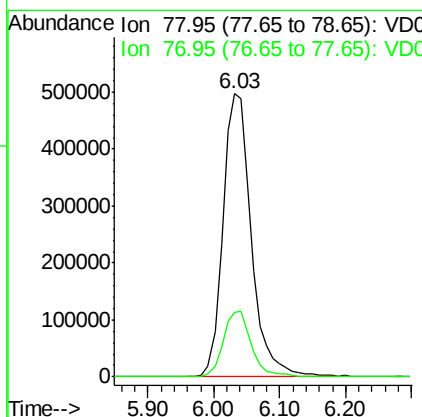
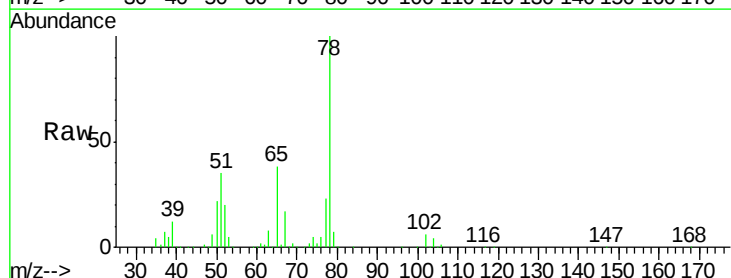
Instrument :
MSVOA_D
ClientSampleId :

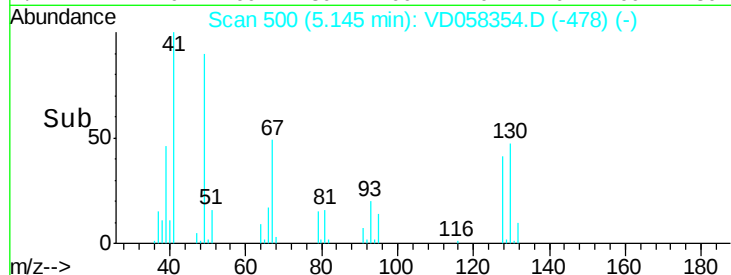
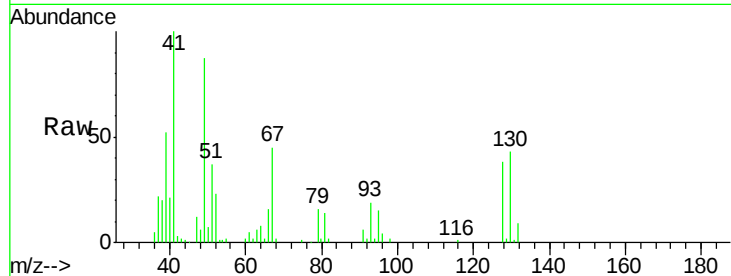
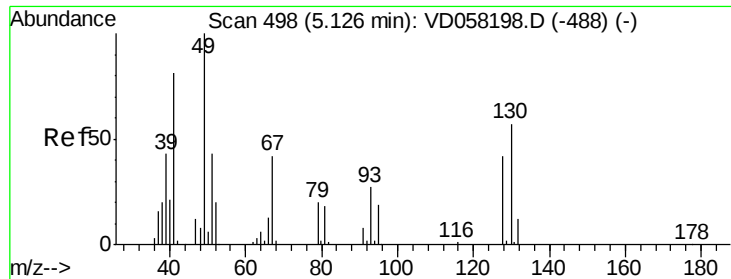
Tot Ion: 83 Resp: 563345
Ion Ratio Lower Upper
83 100
55 96.6 77.4 116.2
98 45.9 35.9 53.9



#40
Benzene
Concen: 51.47 ug/l
RT: 6.03 min Scan# 590
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

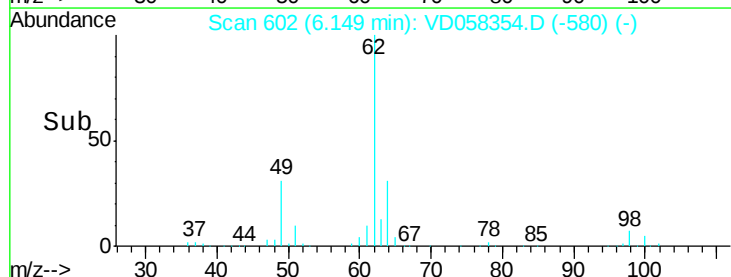
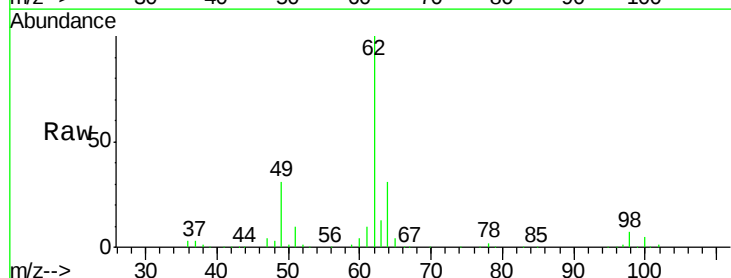
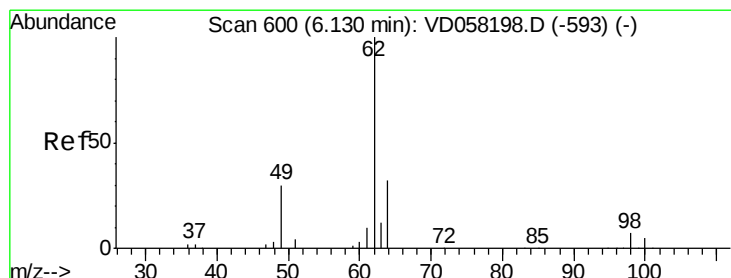
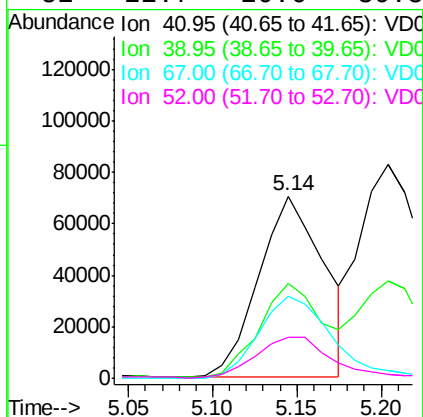
Tgt Ion: 78 Resp: 1498963
Ion Ratio Lower Upper
78 100
77 22.6 18.5 27.7





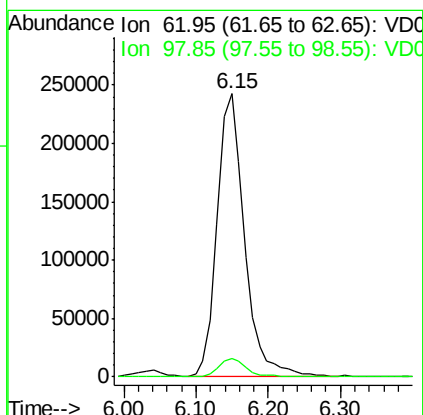
#41
Methacrylonitrile
Concen: 56.02 ug/l
RT: 5.14 min Scan# 500
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

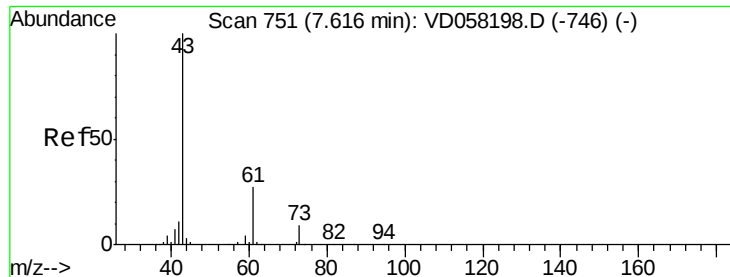
Tot Ion: 41 Resp: 188443
Ion Ratio Lower Upper
41 100
39 52.4 43.4 65.2
67 45.3 41.7 62.5
52 22.7 20.6 30.8



#42
1,2-Dichloroethane
Concen: 53.95 ug/l
RT: 6.15 min Scan# 602
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 62 Resp: 633569
Ion Ratio Lower Upper
62 100
98 6.6 0.0 13.2





#43

Isopropyl Acetate

Concen: 47.03 ug/l

RT: 7.64 min Scan# 753

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

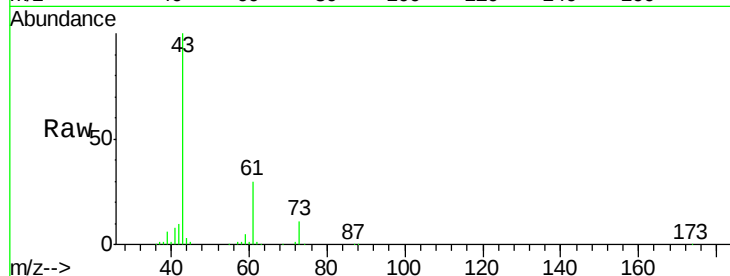
Tot Ion: 43 Resp: 436782

Ion Ratio Lower Upper

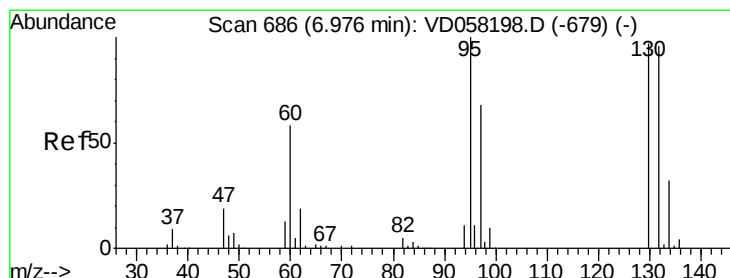
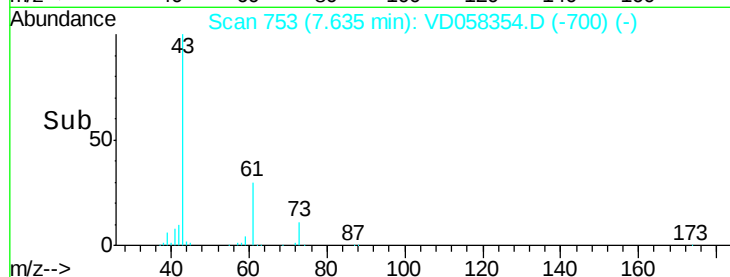
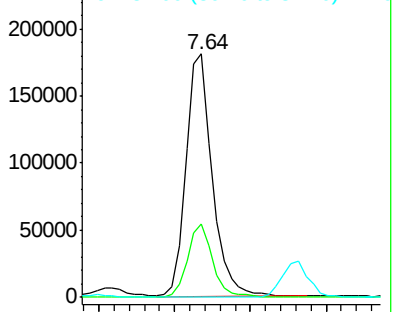
43 100

61 30.1 21.8 32.6

87 0.4 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: 164.14 ug/l

RT: 7.00 min Scan# 688

Delta R.T. 0.02 min

Lab File: VD058354.D

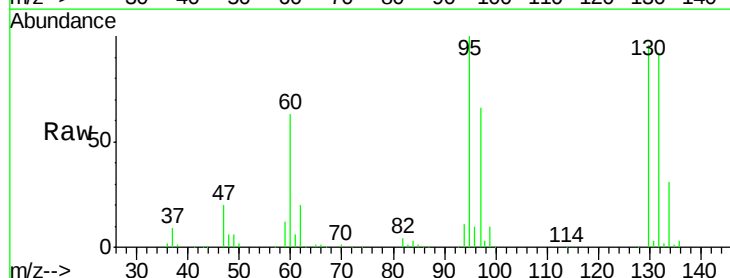
Acq: 23 Jun 2018 21:28

Tgt Ion:130 Resp: 1435481

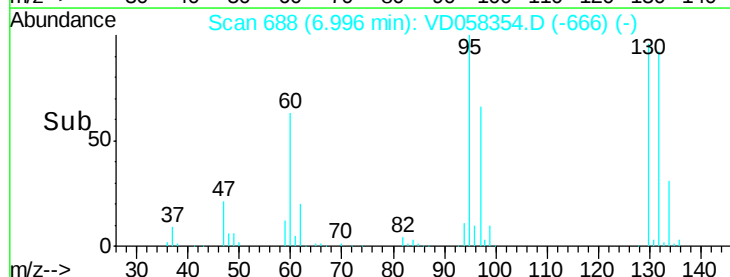
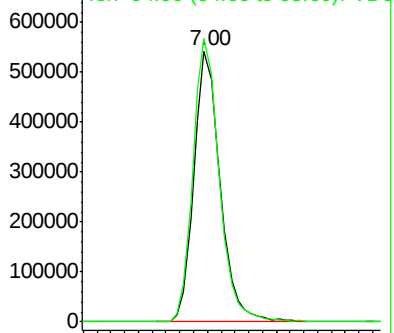
Ion Ratio Lower Upper

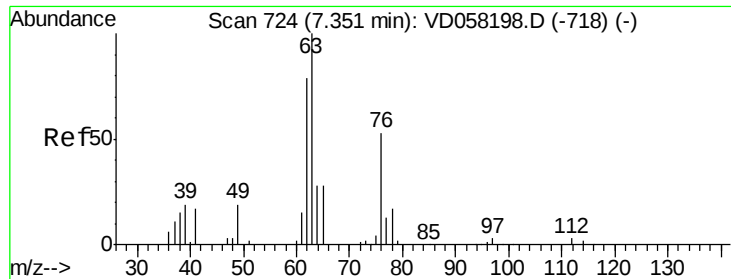
130 100

95 104.5 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: 51.62 ug/l

RT: 7.37 min Scan# 726

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

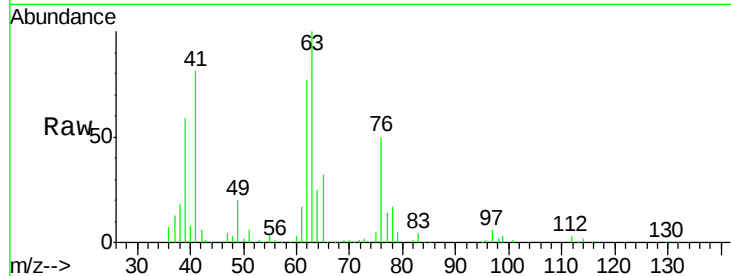
ClientSampleId :

Tot Ion: 63 Resp: 404876

Ion Ratio Lower Upper

63 100

65 32.0 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.37

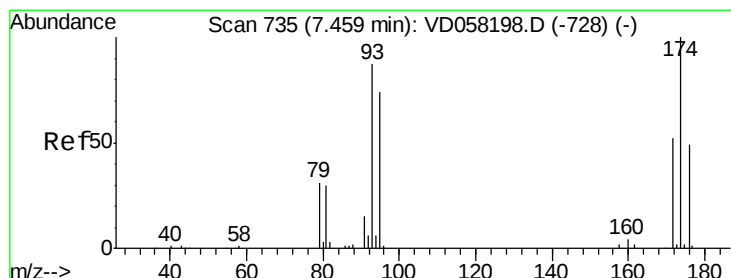
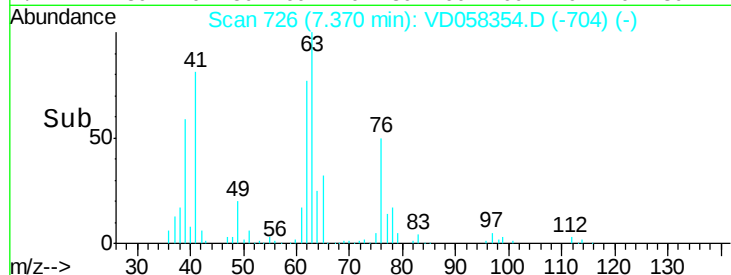
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 51.49 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

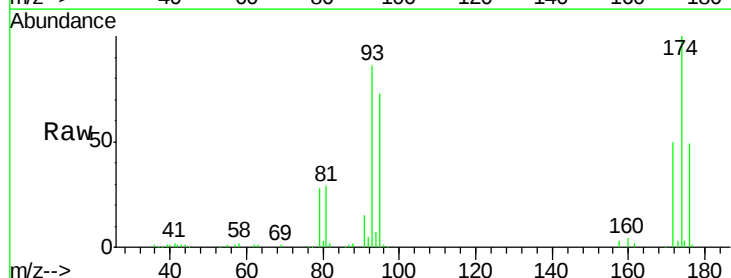
Tgt Ion: 93 Resp: 275696

Ion Ratio Lower Upper

93 100

95 84.9 67.8 101.6

174 116.4 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

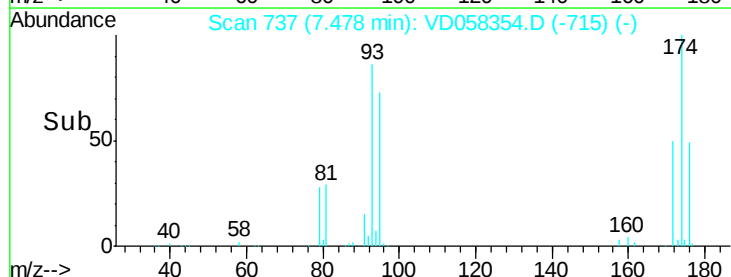
150000

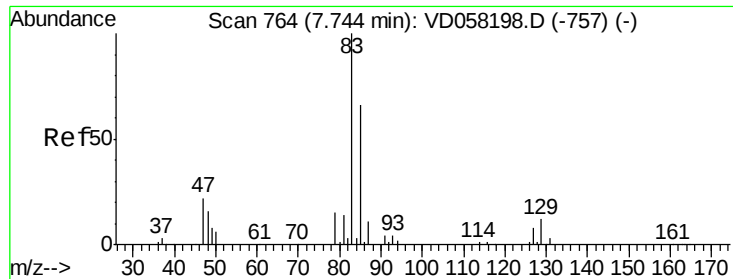
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 53.82 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

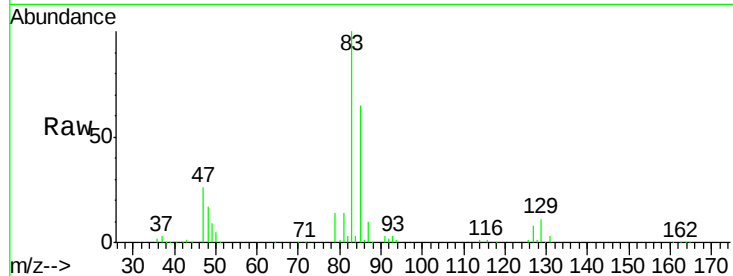
Tot Ion: 83 Resp: 657110

Ion Ratio Lower Upper

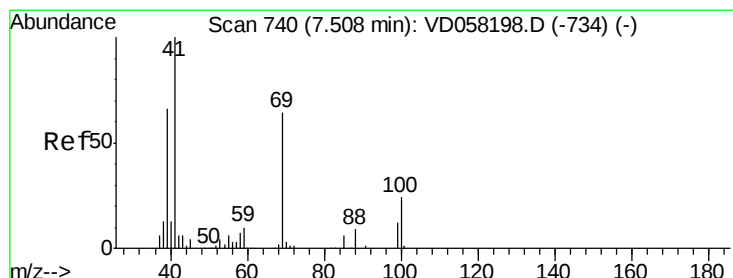
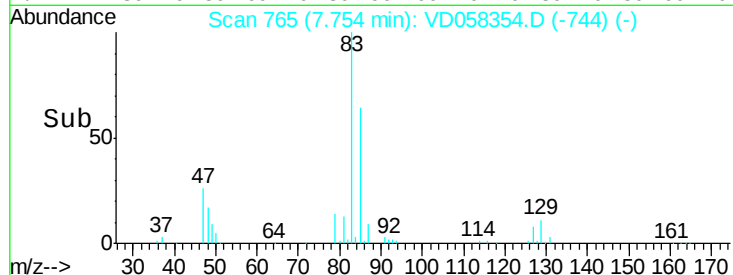
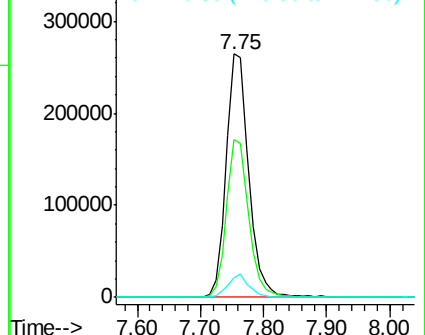
83 100

85 64.7 52.6 78.8

127 8.1 6.2 9.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.86 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

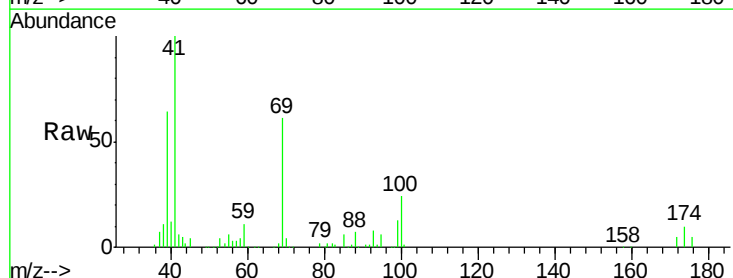
Tgt Ion: 41 Resp: 298385

Ion Ratio Lower Upper

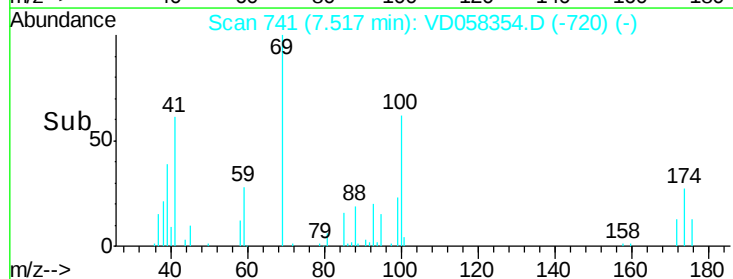
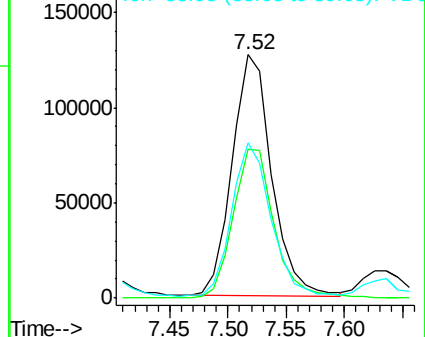
41 100

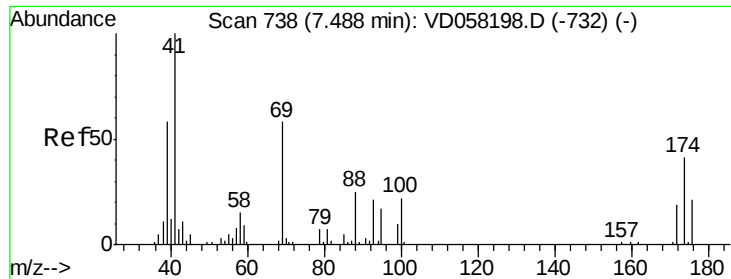
69 61.0 50.7 76.1

39 63.6 52.6 78.8



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 790.11 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampled :

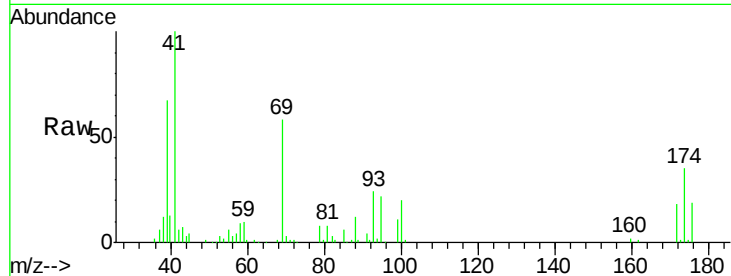
Tot Ion: 88 Resp: 40257

Ion Ratio Lower Upper

88 100

43 58.1 34.2 51.2#

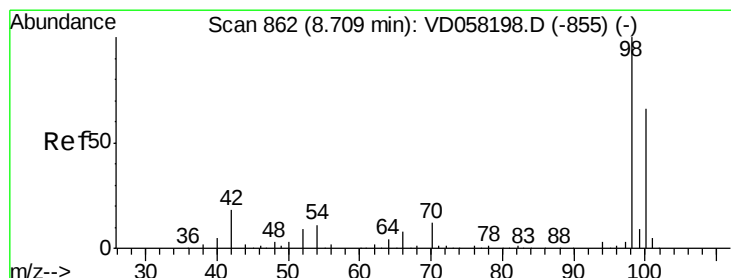
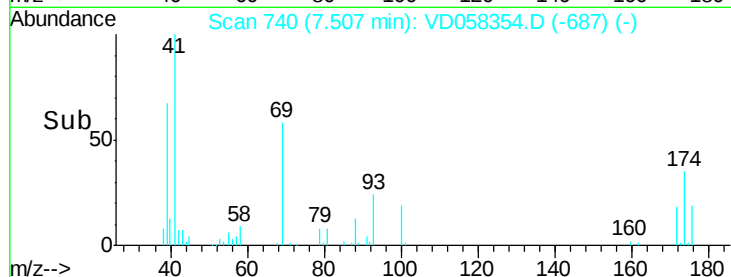
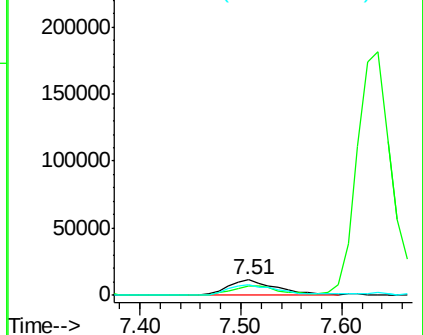
58 69.6 47.9 71.9



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: 790.11 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058354.D

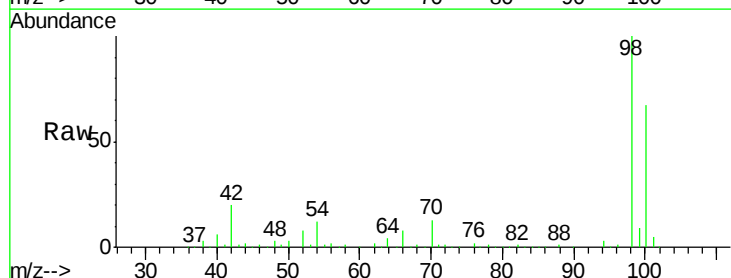
Acq: 23 Jun 2018 21:28

Tgt Ion: 98 Resp: 1291783

Ion Ratio Lower Upper

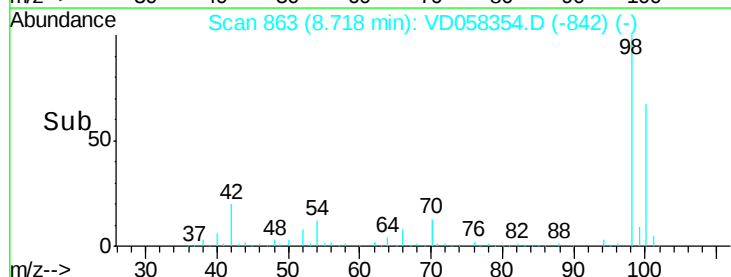
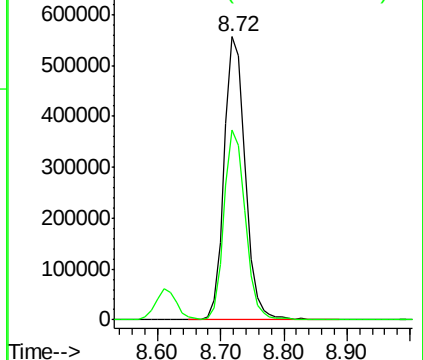
98 100

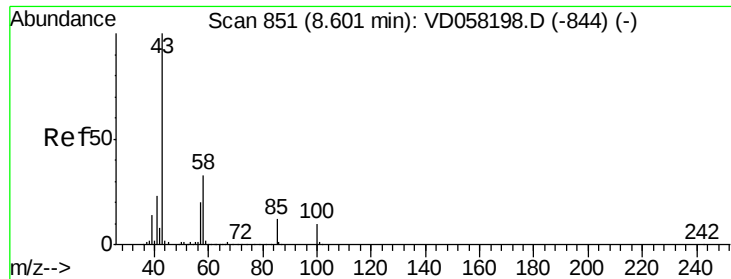
100 67.3 53.6 80.4



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: 254.79 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

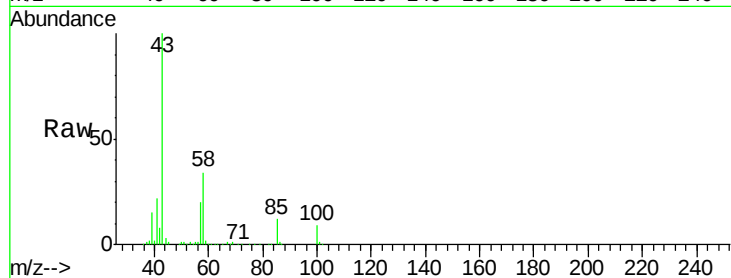
ClientSampleId :

Tot Ion: 43 Resp: 1543426

Ion Ratio Lower Upper

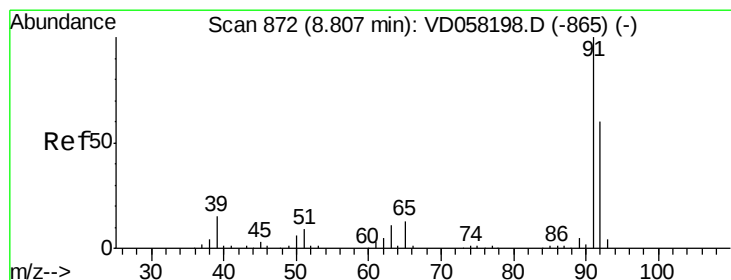
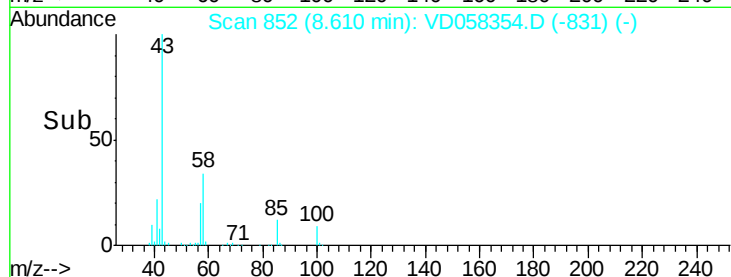
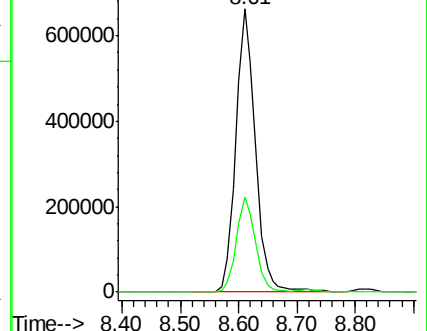
43 100

58 33.6 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: 53.10 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058354.D

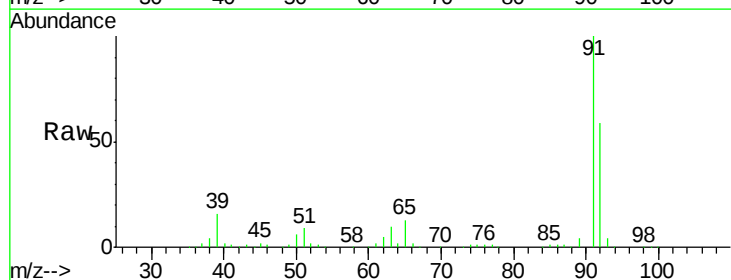
Acq: 23 Jun 2018 21:28

Tgt Ion: 92 Resp: 880533

Ion Ratio Lower Upper

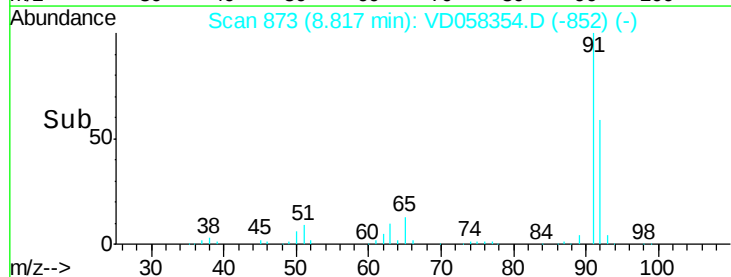
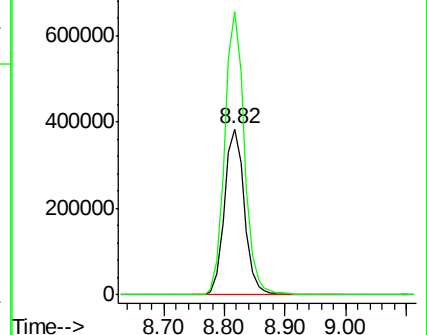
92 100

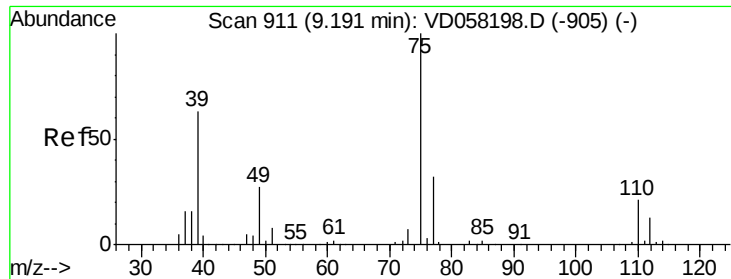
91 170.7 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

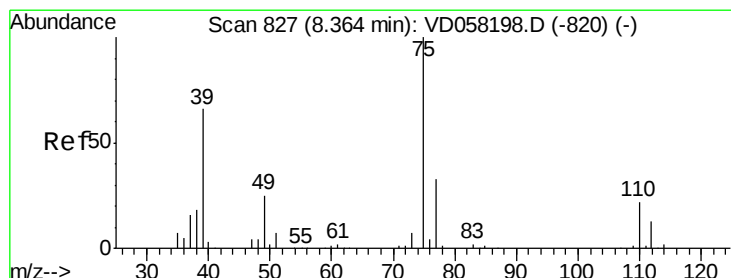
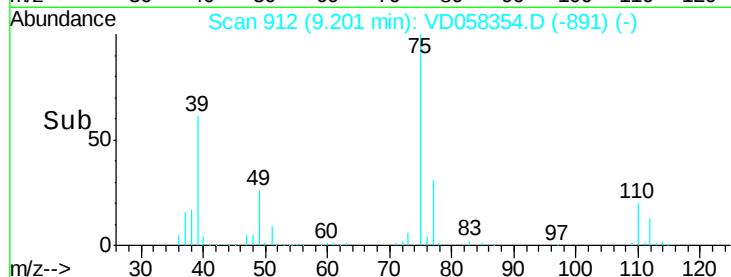
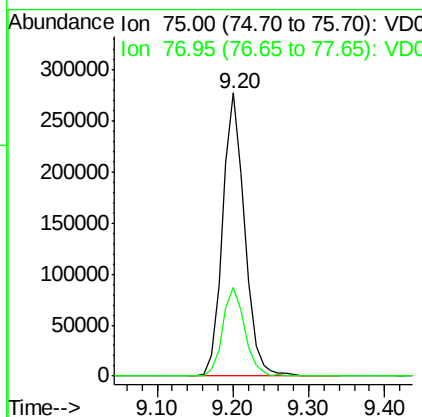
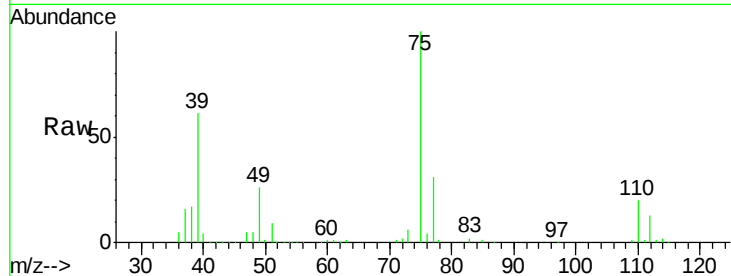




#53
 t-1,3-Dichloropropene
 Concen: 52.64 ug/l
 RT: 9.20 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

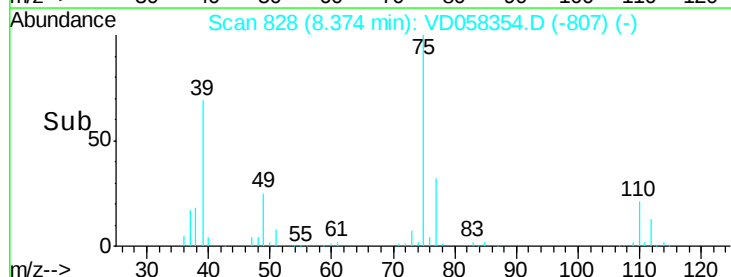
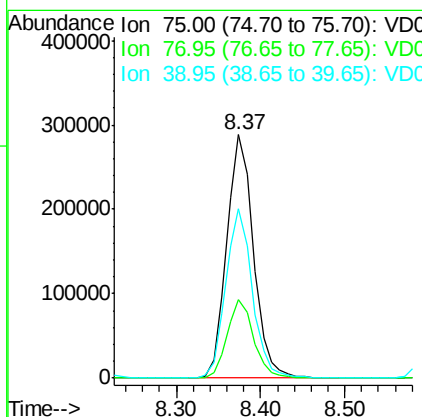
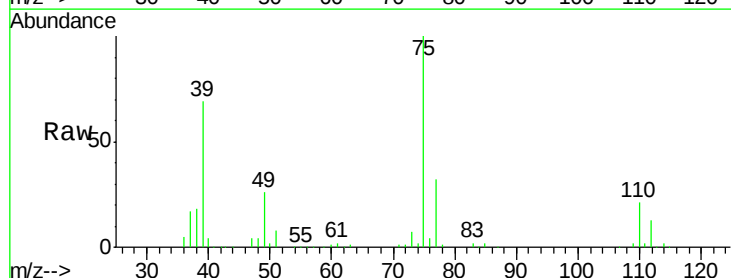
Instrument :
 MSVOA_D
 ClientSampleId :

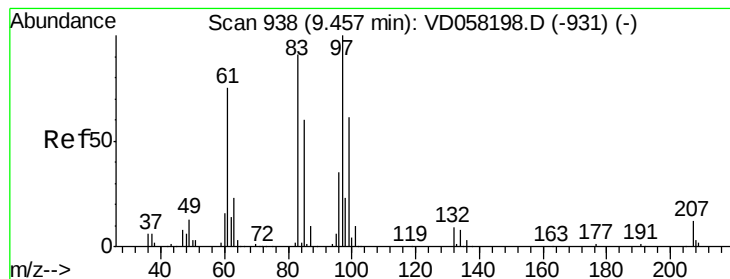
Tot Ion: 75 Resp: 558859
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 51.25 ug/l
 RT: 8.37 min Scan# 828
 Delta R.T. 0.01 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Tgt Ion: 75 Resp: 637828
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.5 39.7
 39 69.5 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 51.18 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 300298

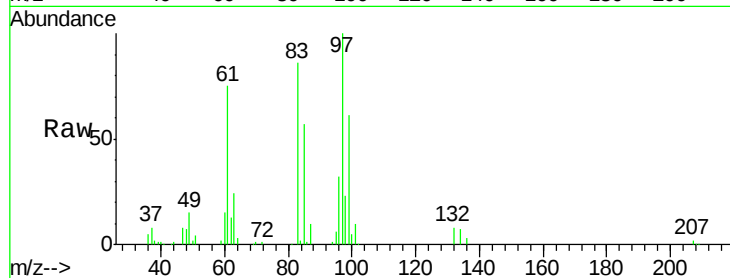
Ion Ratio Lower Upper

97 100

83 85.5 72.9 109.3

85 56.9 48.2 72.4

99 61.4 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

200000

150000

100000

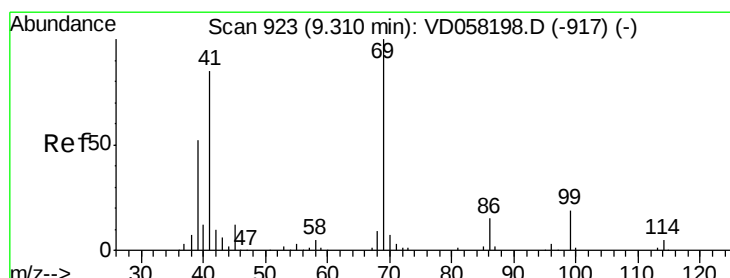
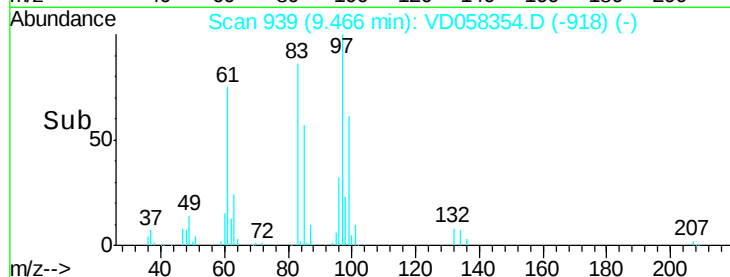
50000

0

9.47

9.40 9.50 9.60

Time-->



#56

Ethyl methacrylate

Concen: 51.59 ug/l

RT: 9.33 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

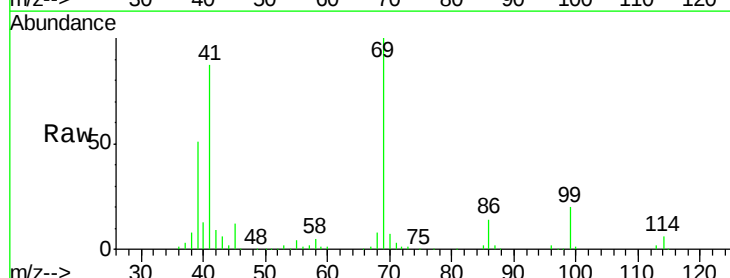
Tgt Ion: 69 Resp: 361996

Ion Ratio Lower Upper

69 100

41 87.0 67.6 101.4

39 51.2 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

200000

150000

100000

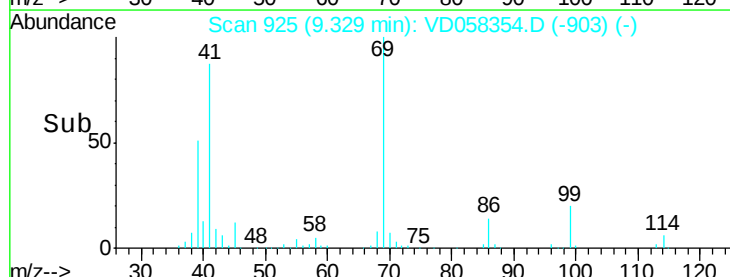
50000

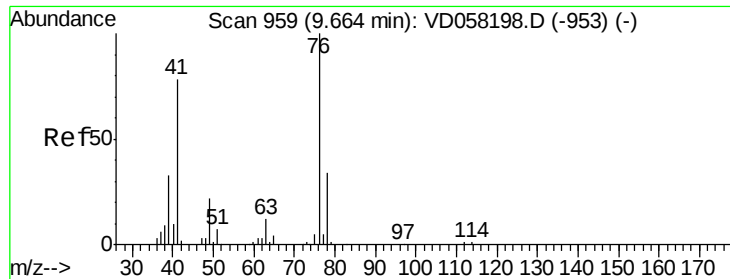
0

9.33

9.20 9.30 9.40 9.50

Time-->





#57

1,3-Dichloropropane

Concen: 50.28 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

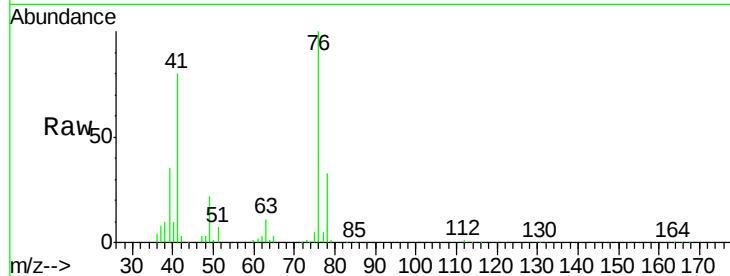
ClientSampleId :

Tot Ion: 76 Resp: 496941

Ion Ratio Lower Upper

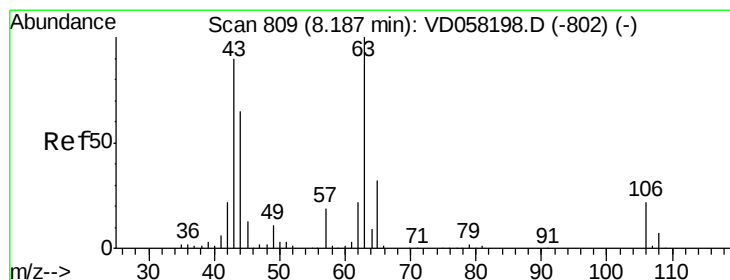
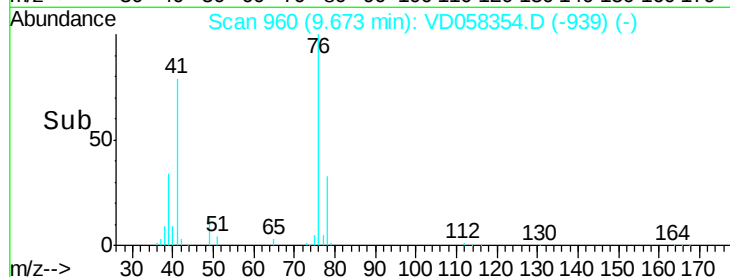
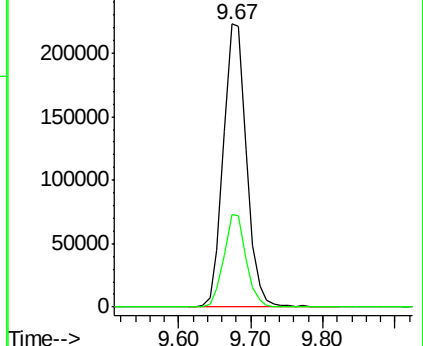
76 100

78 32.7 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: 275.00 ug/l

RT: 8.21 min Scan# 811

Delta R.T. 0.02 min

Lab File: VD058354.D

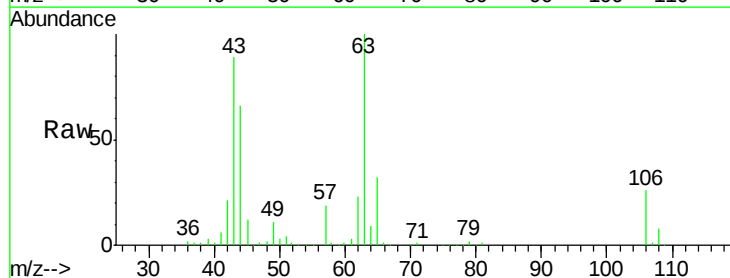
Acq: 23 Jun 2018 21:28

Tgt Ion: 63 Resp: 955274

Ion Ratio Lower Upper

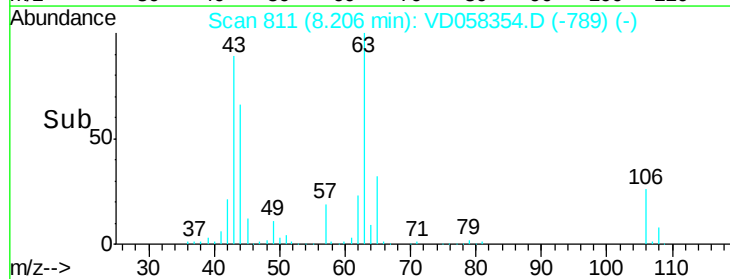
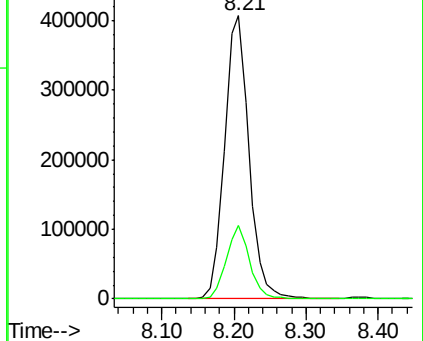
63 100

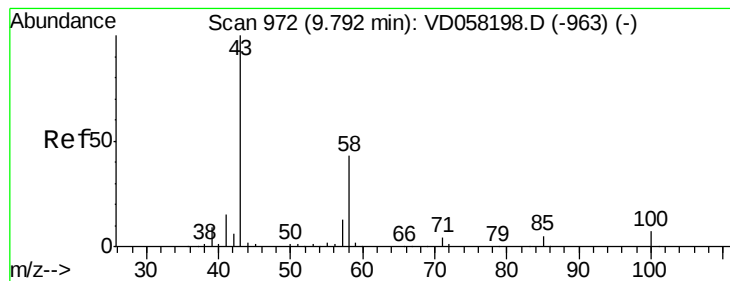
106 26.0 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 267.44 ug/l

RT: 9.80 min Scan# 973

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

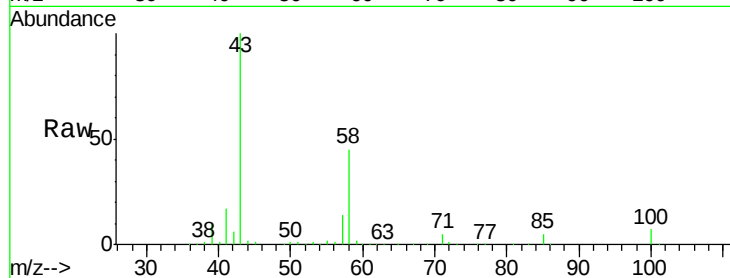
ClientSampleId :

Tot Ion: 43 Resp: 1170640

Ion Ratio Lower Upper

43 100

58 44.7 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.80

600000

500000

400000

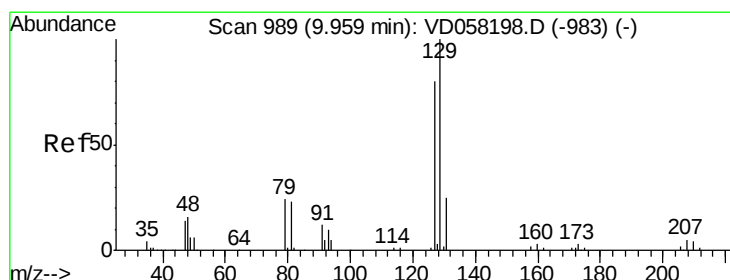
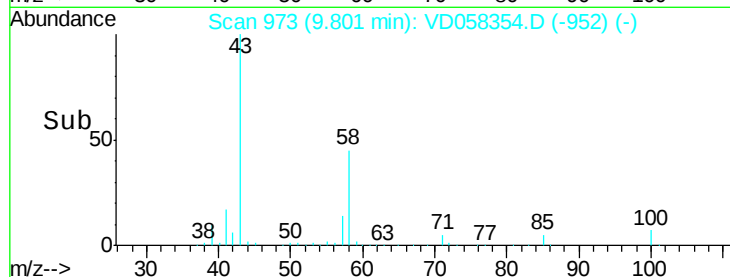
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 54.84 ug/l

RT: 9.97 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD058354.D

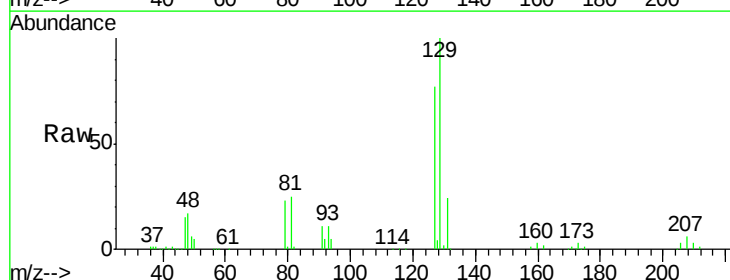
Acq: 23 Jun 2018 21:28

Tgt Ion: 129 Resp: 436660

Ion Ratio Lower Upper

129 100

127 77.1 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.97

200000

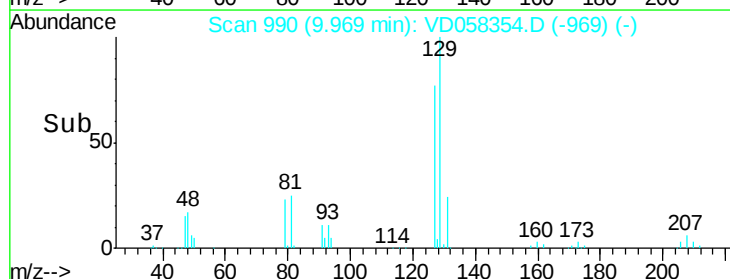
150000

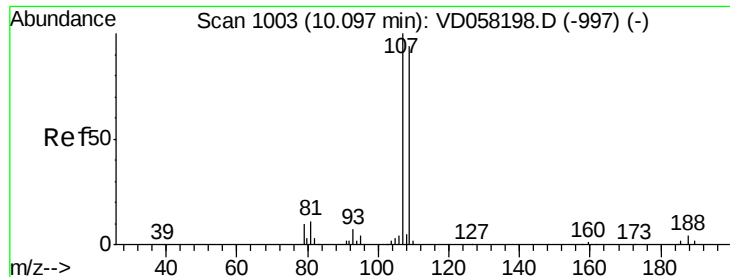
100000

50000

0

Time-->





#61

1,2-Dibromoethane

Concen: 51.20 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

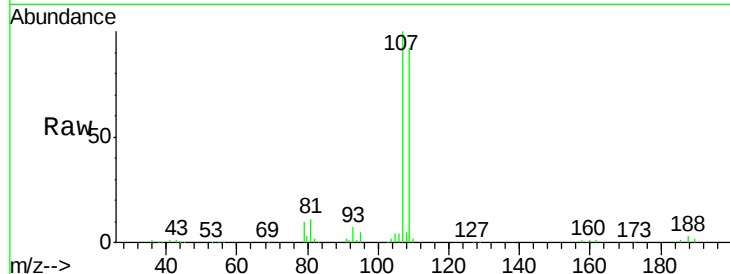
ClientSampleId :

Tot Ion:107 Resp: 328761

Ion Ratio Lower Upper

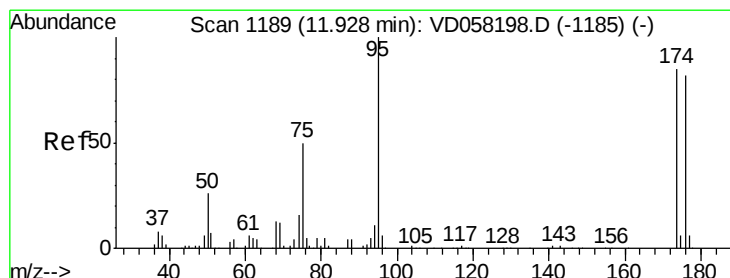
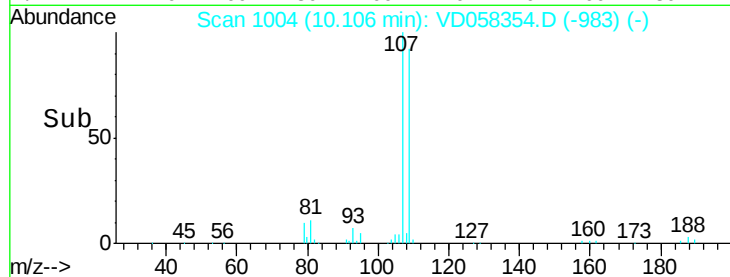
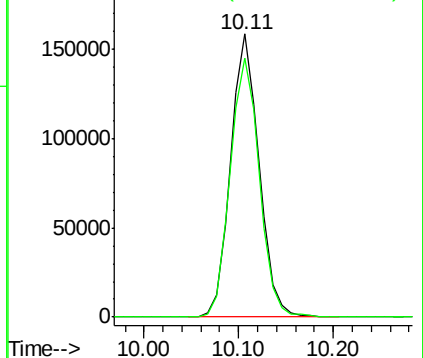
107 100

109 91.7 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: 51.20 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

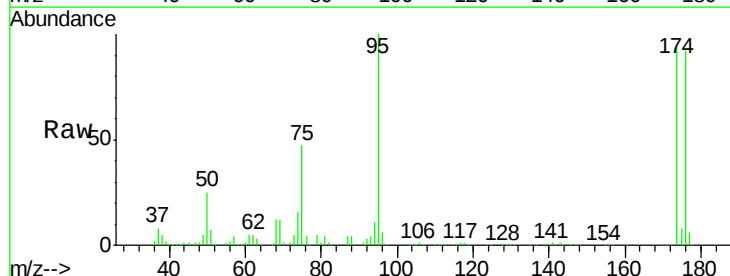
Tgt Ion: 95 Resp: 553768

Ion Ratio Lower Upper

95 100

174 94.1 0.0 170.2

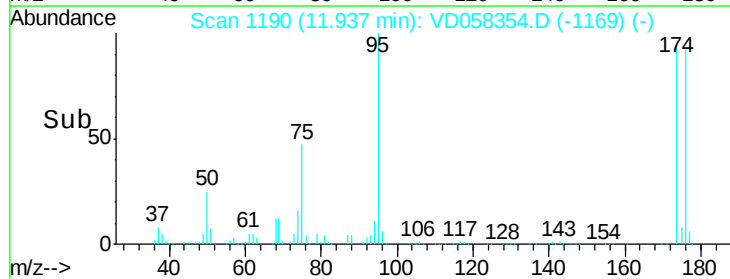
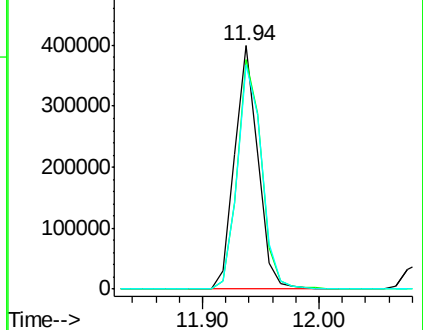
176 92.1 0.0 164.6

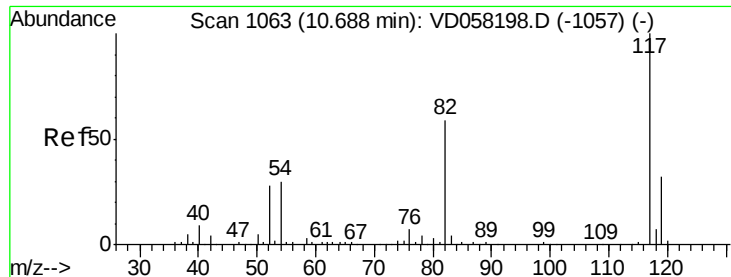


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

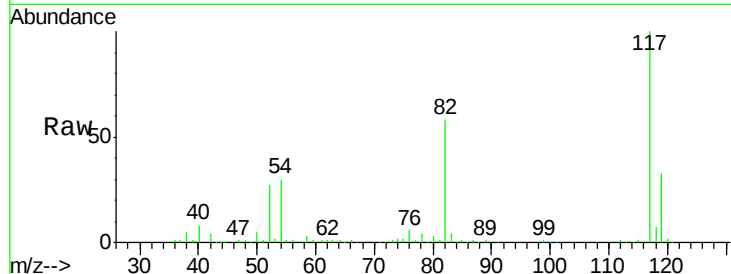




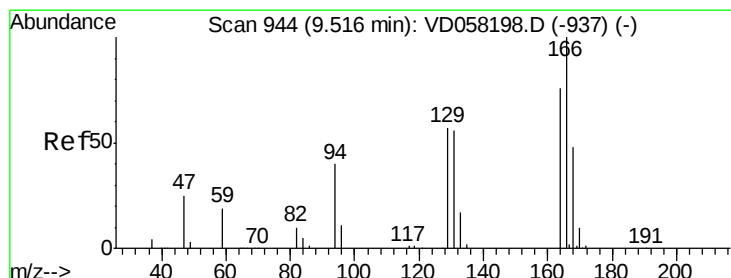
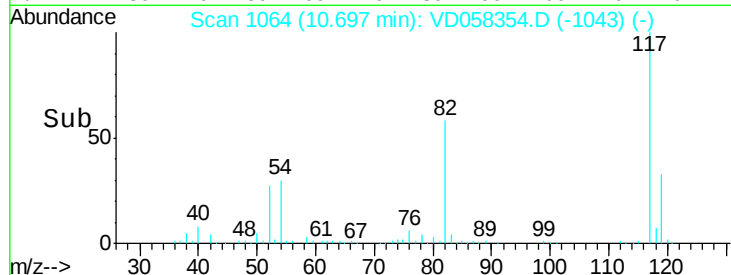
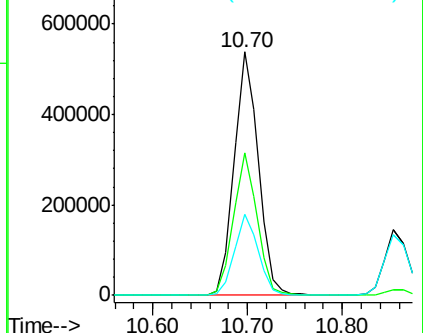
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 953643
Ion Ratio Lower Upper
117 100
82 58.4 47.0 70.6
119 33.1 25.3 37.9

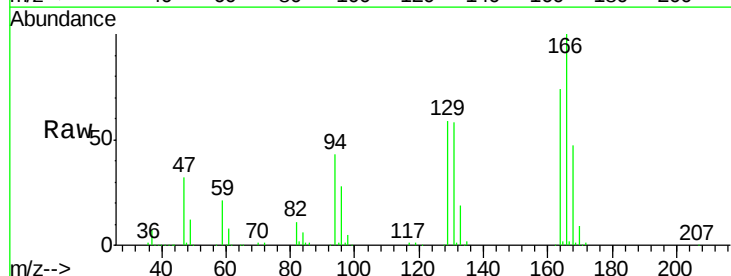


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

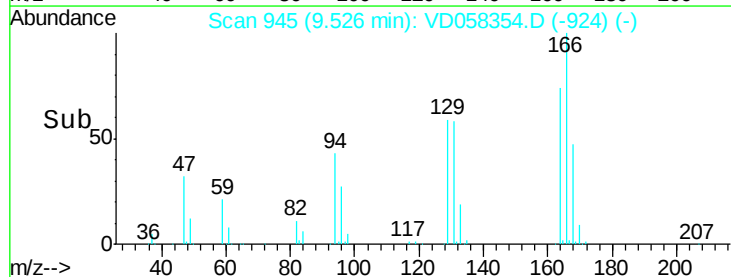
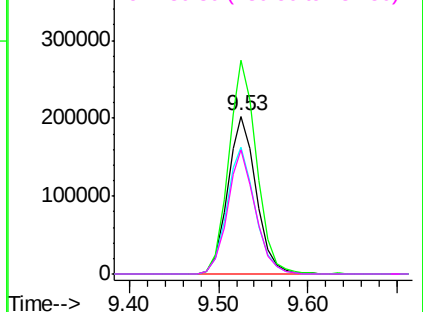


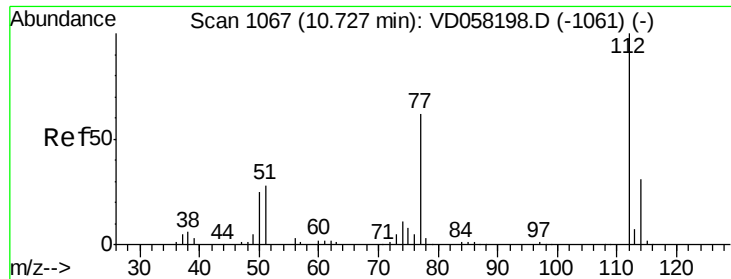
#64
Tetrachloroethene
Concen: 56.40 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.01 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion:164 Resp: 452523
Ion Ratio Lower Upper
164 100
166 135.4 105.4 158.0
129 80.0 59.6 89.4
131 78.8 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

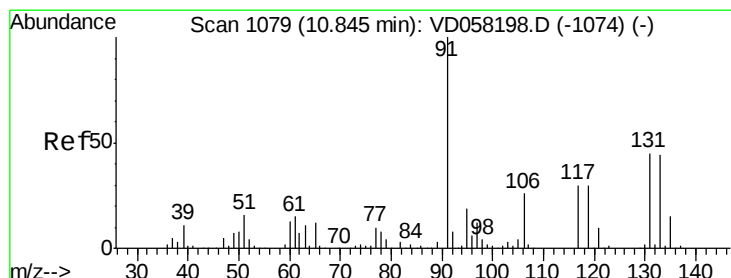
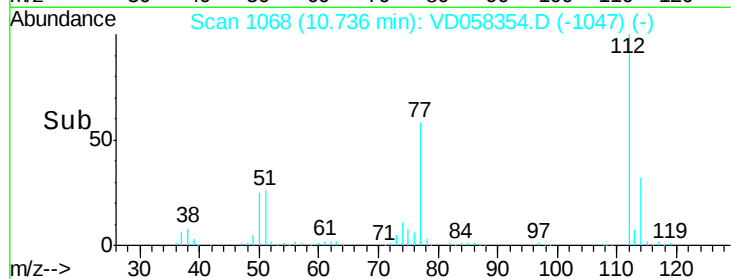
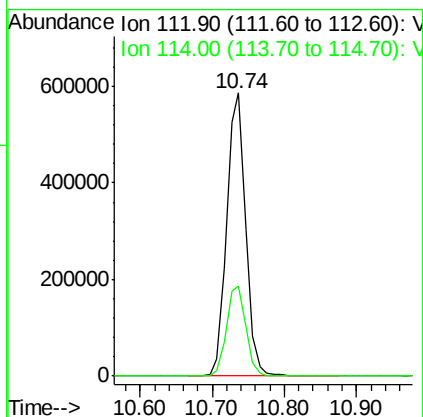
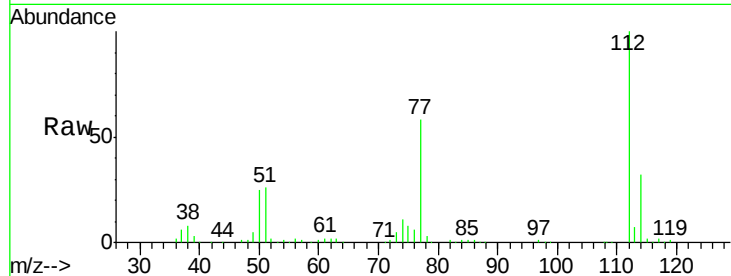




#65
Chlorobenzene
Concen: 59.70 ug/l
RT: 10.74 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

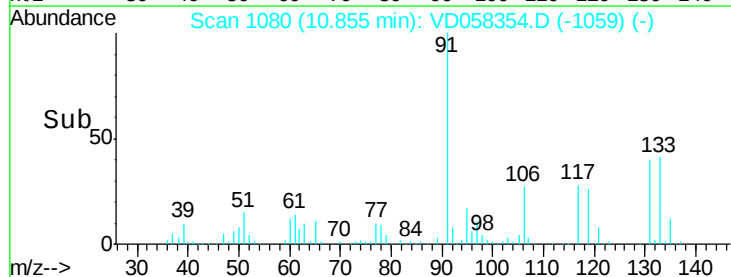
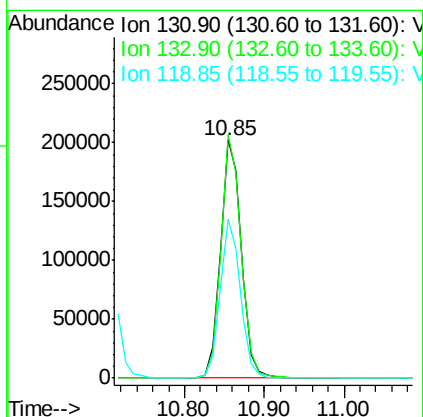
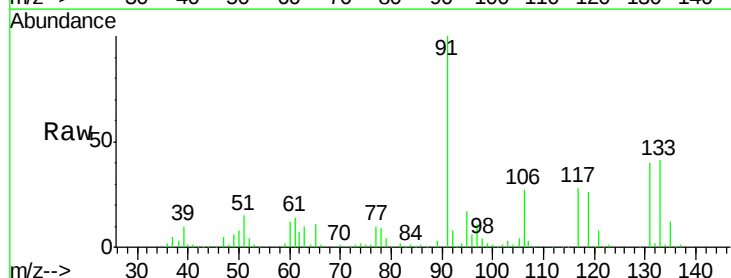
Instrument :
MSVOA_D
ClientSampleId :

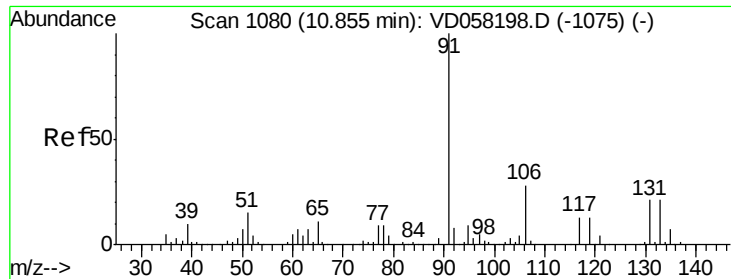
Tot Ion:112 Resp: 1064950
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 54.09 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion:131 Resp: 372359
Ion Ratio Lower Upper
131 100
133 102.3 48.6 145.9
119 66.7 33.0 99.0

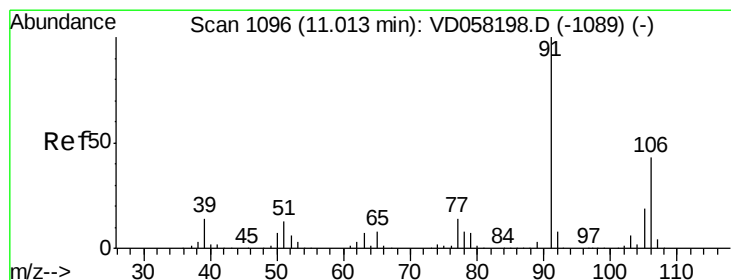
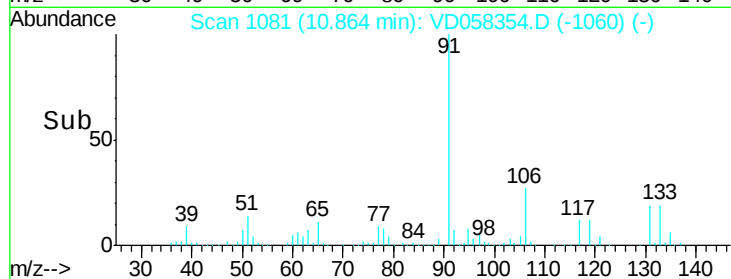
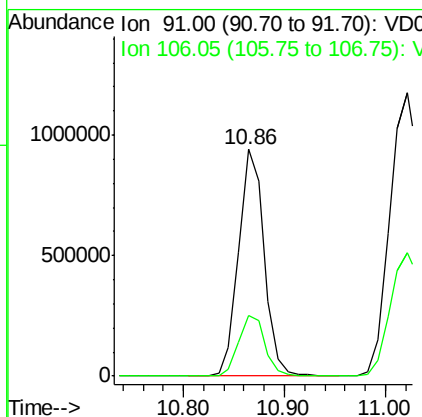
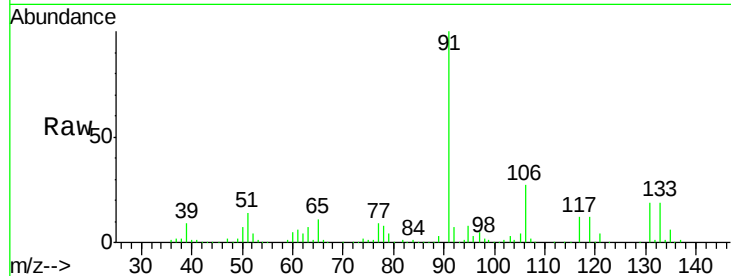




#67
Ethyl Benzene
Concen: 52.61 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

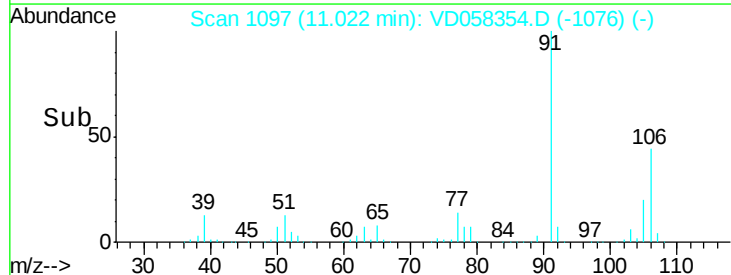
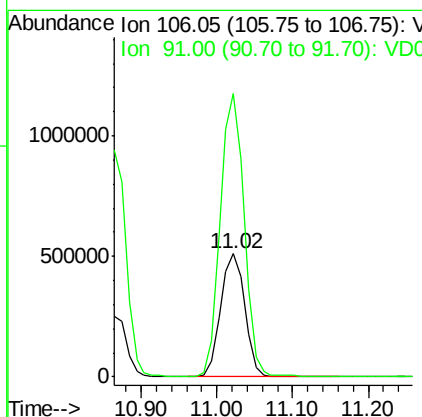
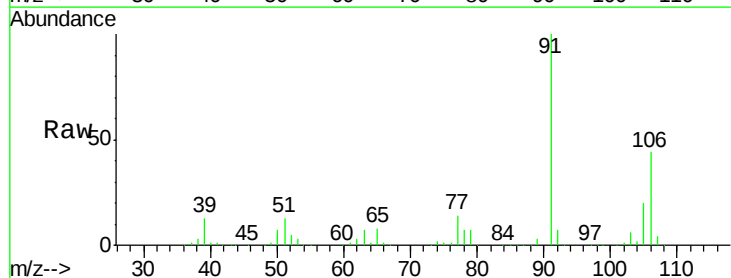
Instrument :
MSVOA_D
ClientSampled :

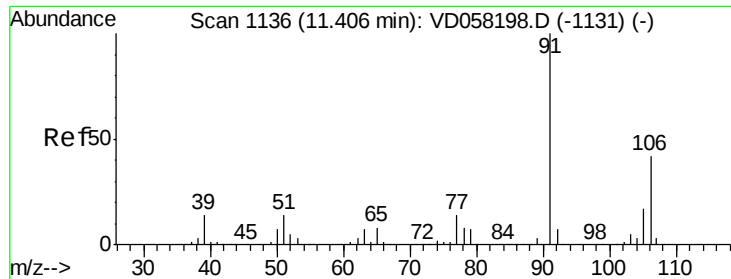
Tot Ion: 91 Resp: 1656977
Ion Ratio Lower Upper
91 100
106 26.8 22.0 33.0



#68
m/p-Xylenes
Concen: 108.41 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 106 Resp: 1138575
Ion Ratio Lower Upper
106 100
91 229.6 185.0 277.6

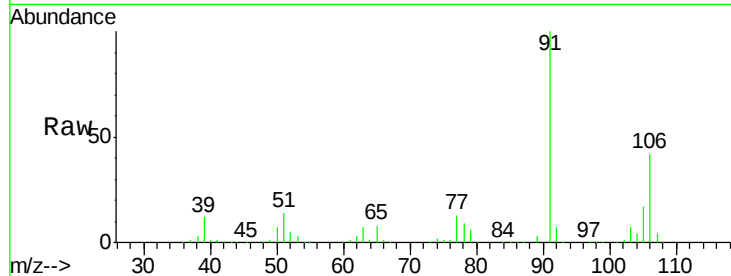




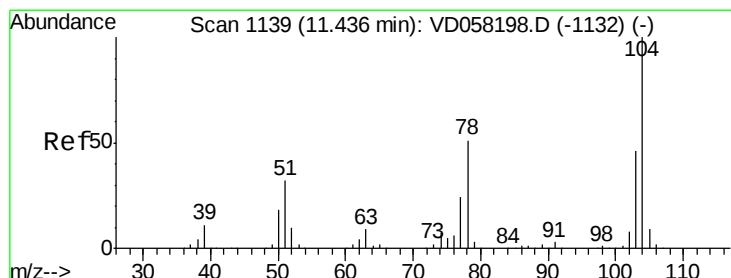
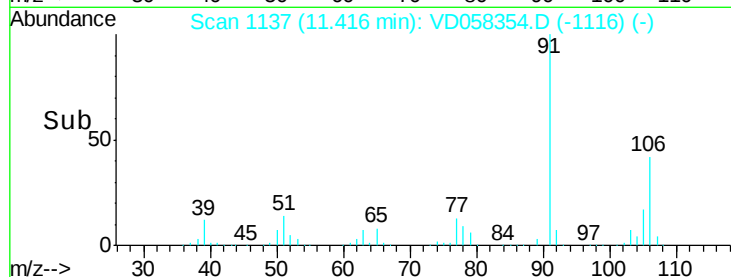
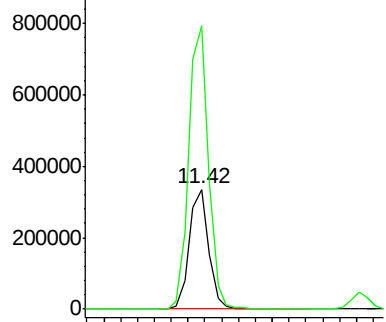
#69
o-Xylene
Concen: 53.66 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 538290
Ion Ratio Lower Upper
106 100
91 236.0 120.2 360.6

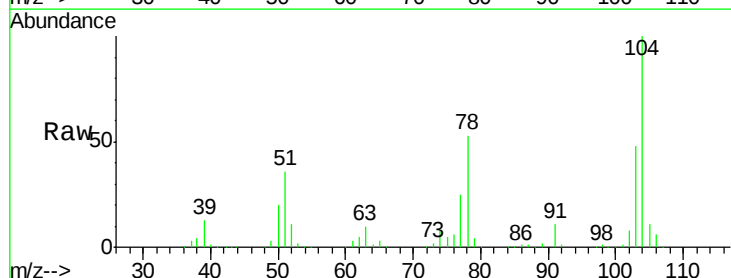


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

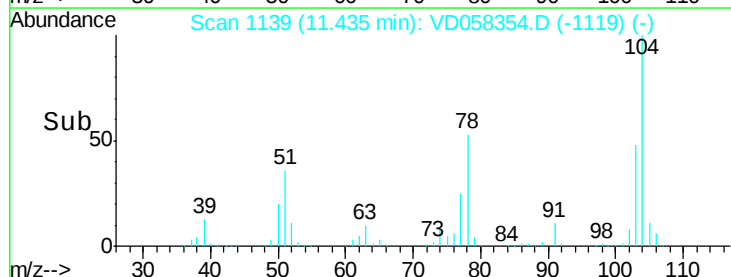
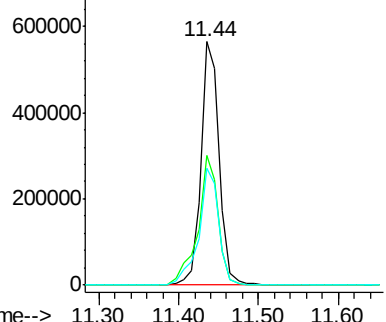


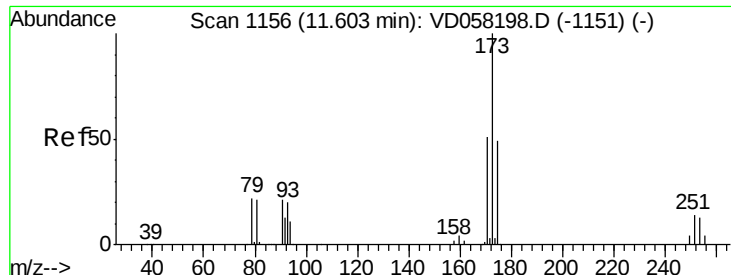
#70
Styrene
Concen: 52.96 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion:104 Resp: 906403
Ion Ratio Lower Upper
104 100
78 53.3 40.8 61.2
103 47.9 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

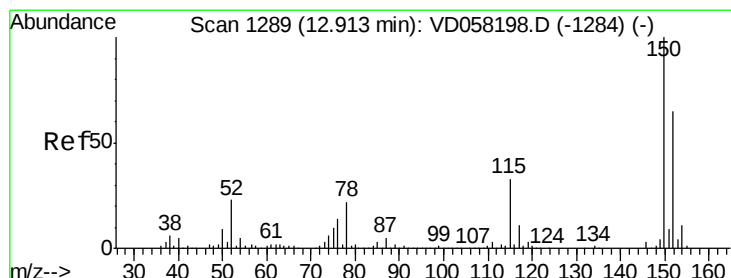
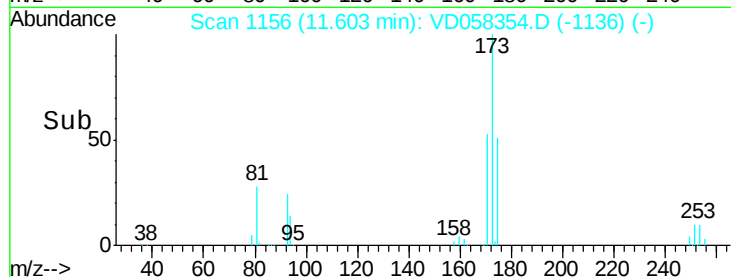
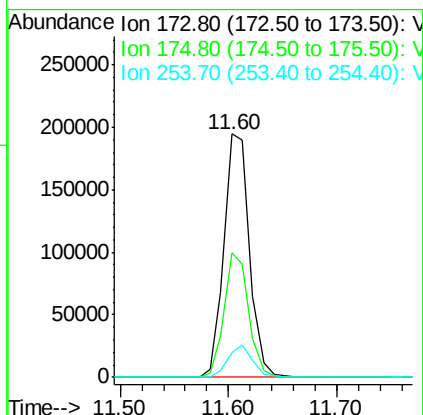
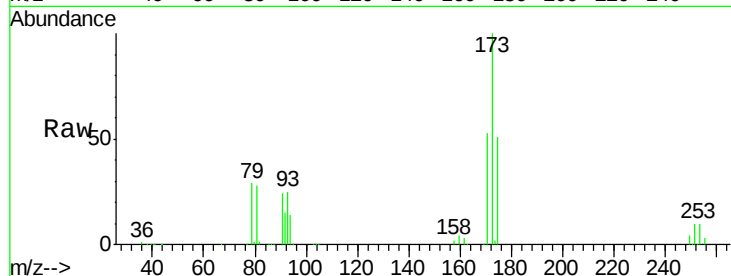




#71
Bromoform
Concen: 57.97 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

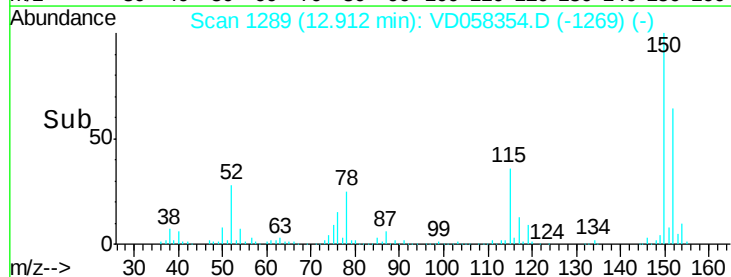
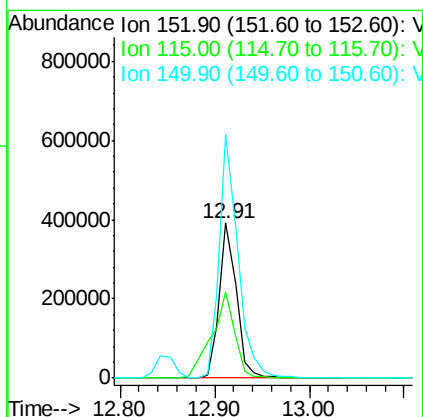
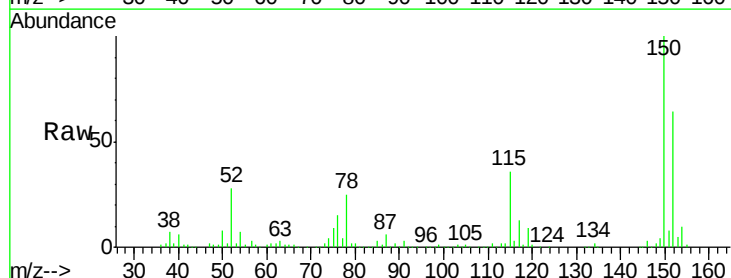
Instrument :
MSVOA_D
ClientSampled :

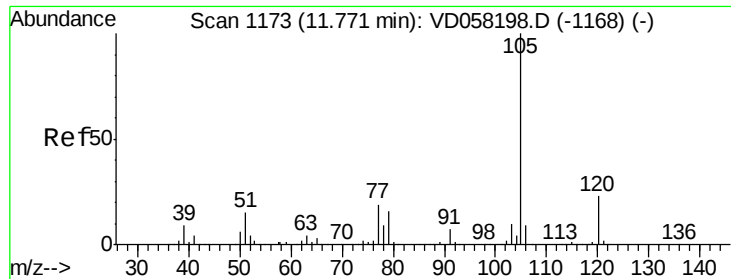
Tot Ion:173 Resp: 318332
Ion Ratio Lower Upper
173 100
175 50.9 24.6 74.0
254 10.1 10.3 15.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion:152 Resp: 493019
Ion Ratio Lower Upper
152 100
115 55.9 25.1 75.3
150 156.9 0.0 308.8





#73

Isopropylbenzene

Concen: 53.04 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

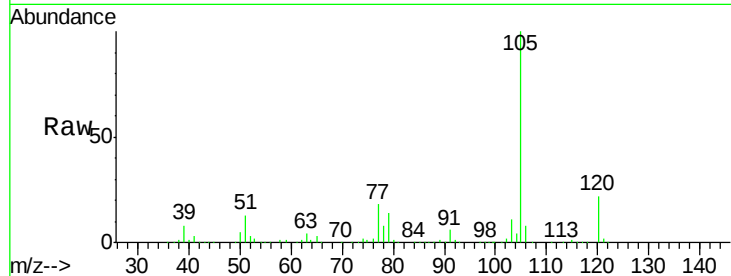
ClientSampleId :

Tot Ion:105 Resp: 1564184

Ion Ratio Lower Upper

105 100

120 22.4 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.78

1200000

1000000

800000

600000

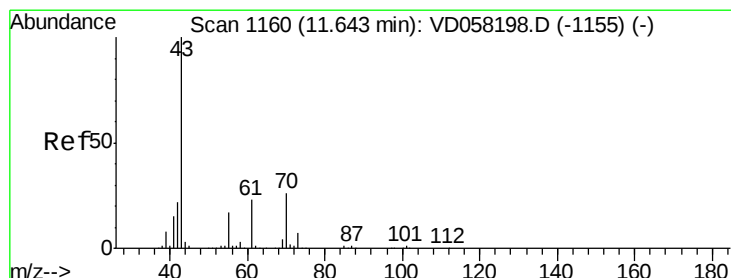
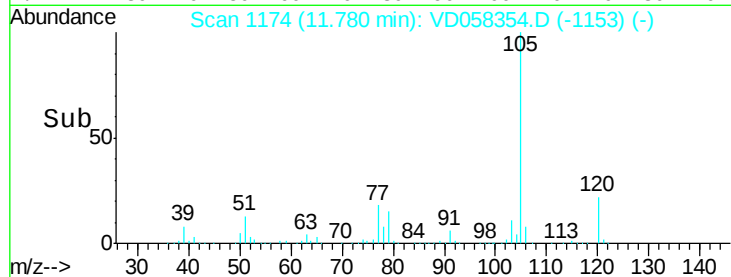
400000

200000

0

Time-->

11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 41.62 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Tgt Ion: 43 Resp: 474573

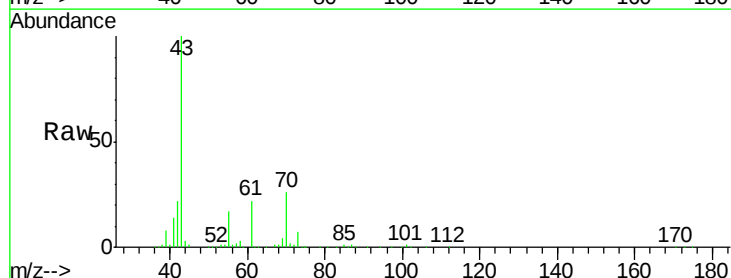
Ion Ratio Lower Upper

43 100

70 26.5 20.9 31.3

55 16.8 13.5 20.3

61 21.9 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

500000

400000

300000

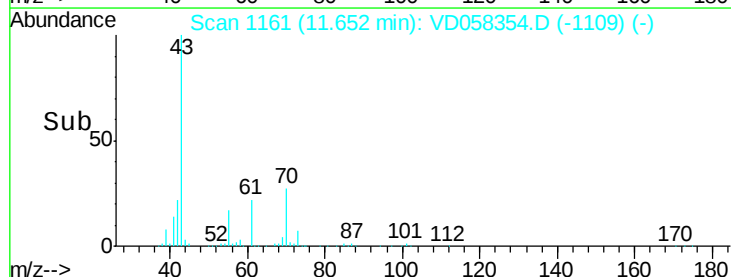
200000

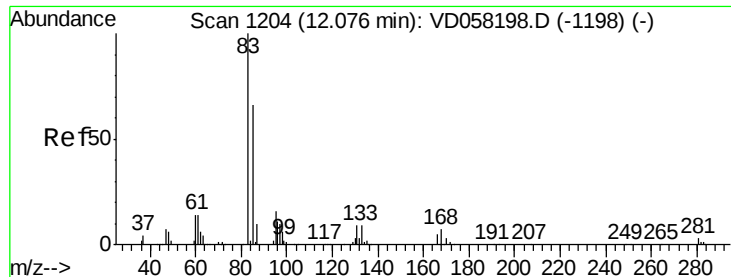
100000

0

Time-->

11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 53.16 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

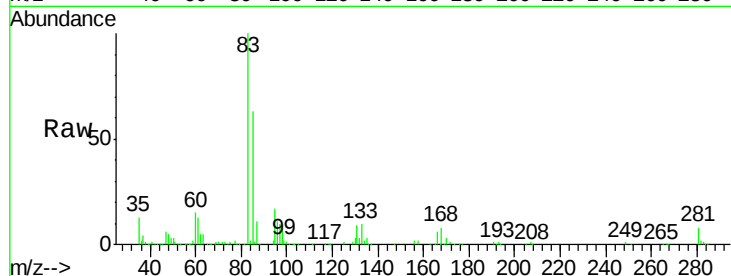
Tot Ion: 83 Resp: 364823

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	62.8	33.1	99.5

83 100

131 9.4 4.8 14.3

85 62.8 33.1 99.5



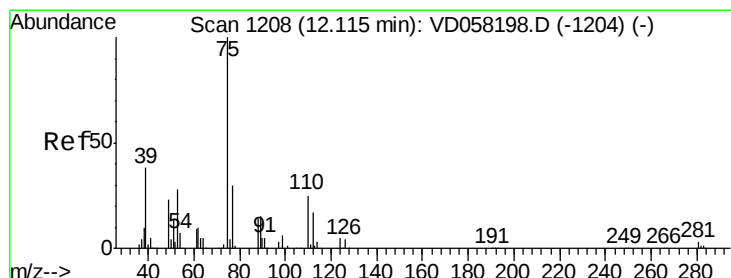
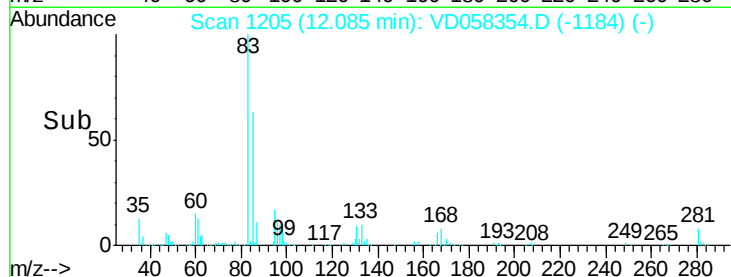
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

12.09

Time-->



#76

1,2,3-Trichloropropane

Concen: 51.49 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD058354.D

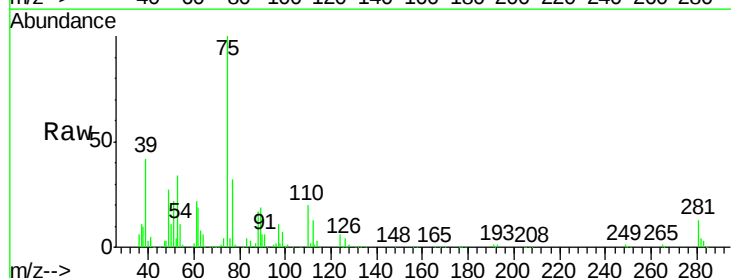
Acq: 23 Jun 2018 21:28

Tgt Ion: 75 Resp: 370668

Ion	Ratio	Lower	Upper
75	100		
77	31.8	16.0	47.9

75 100

77 31.8 16.0 47.9

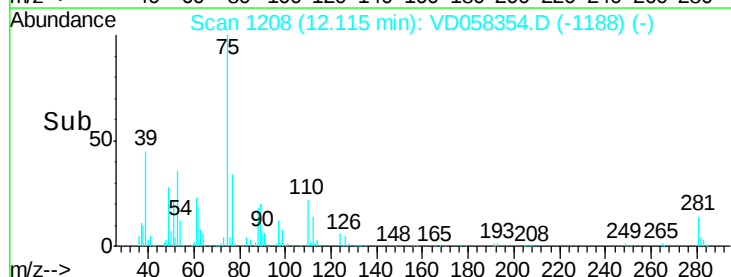


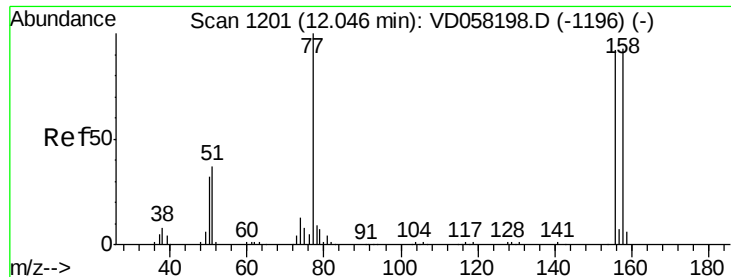
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.11

Time-->





#77

Bromobenzene

Concen: 54.87 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

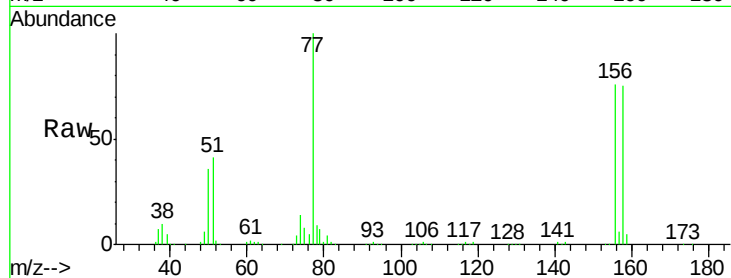
Tot Ion:156 Resp: 484565

Ion Ratio Lower Upper

156 100

77 130.8 54.5 163.6

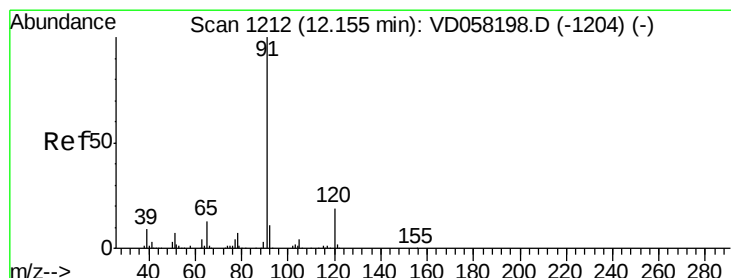
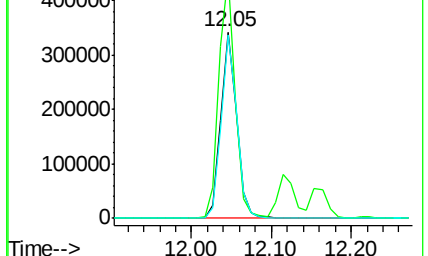
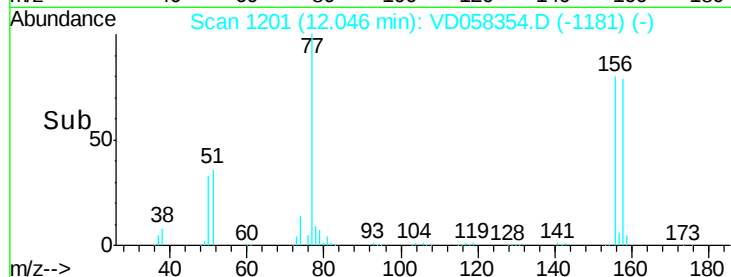
158 98.2 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.99 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD058354.D

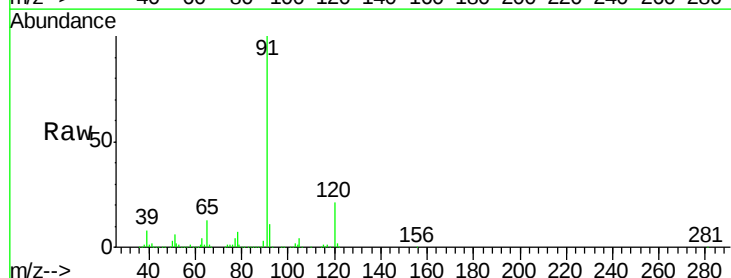
Acq: 23 Jun 2018 21:28

Tgt Ion: 91 Resp: 1979756

Ion Ratio Lower Upper

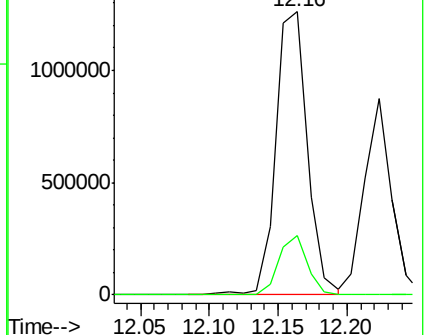
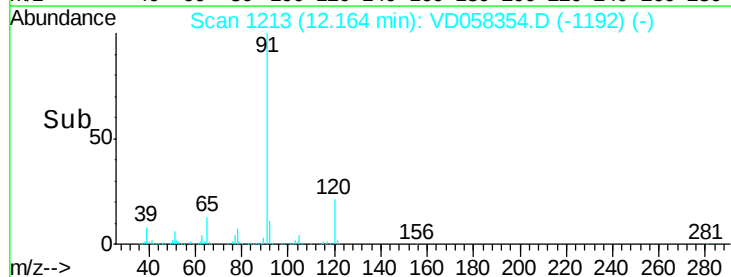
91 100

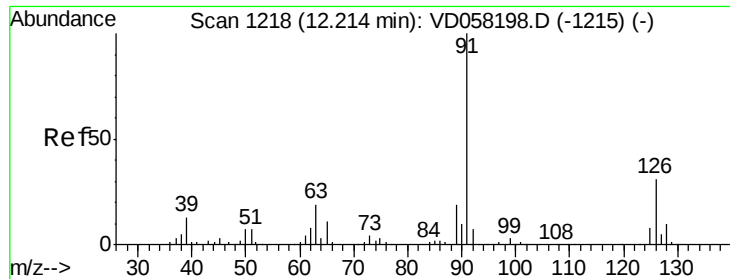
120 20.8 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

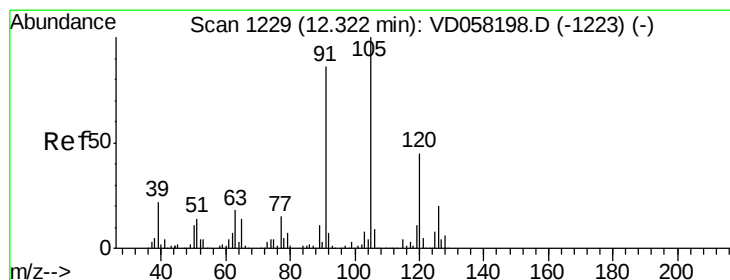
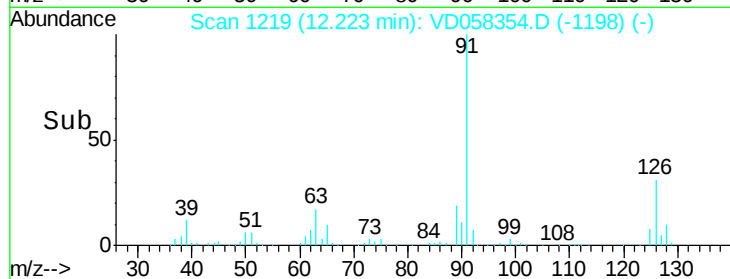
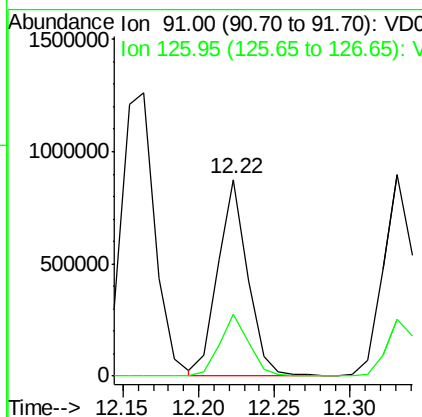
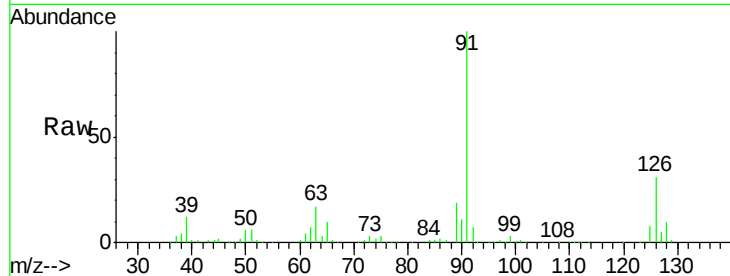




#79
 2-Chlorotoluene
 Concen: 54.67 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

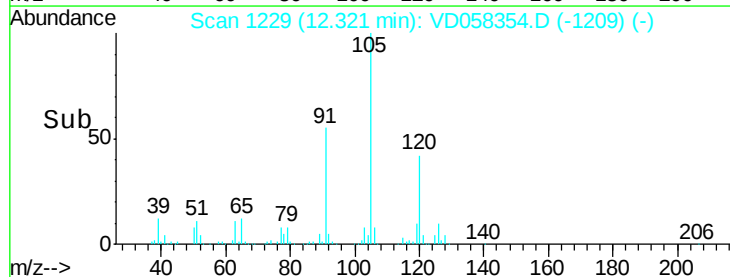
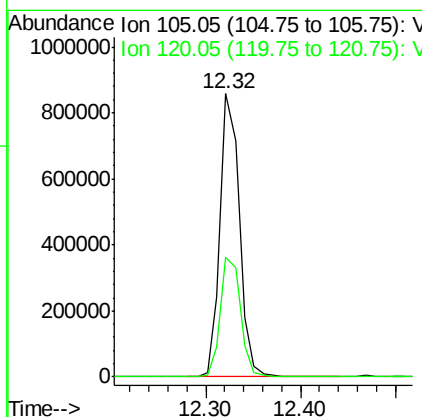
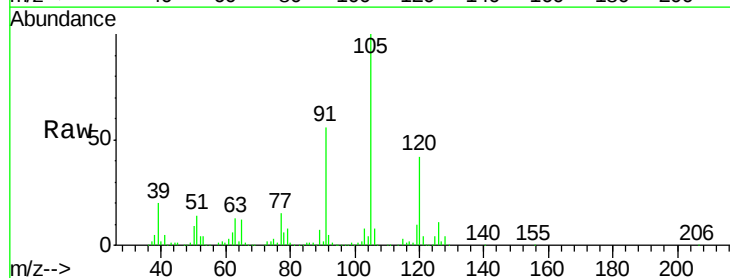
Instrument :
 MSVOA_D
 ClientSampleId :

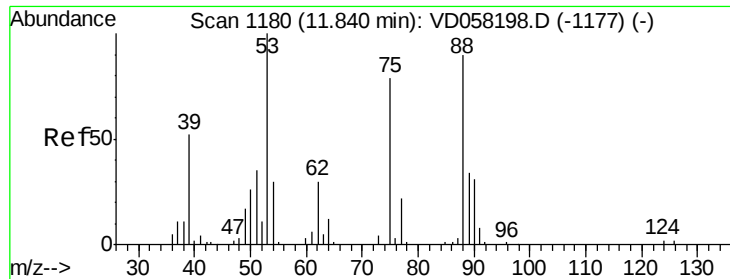
Tot Ion: 91 Resp: 1191375
 Ion Ratio Lower Upper
 91 100
 126 31.4 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 52.94 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Tgt Ion:105 Resp: 1217663
 Ion Ratio Lower Upper
 105 100
 120 42.3 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 51.82 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampled :

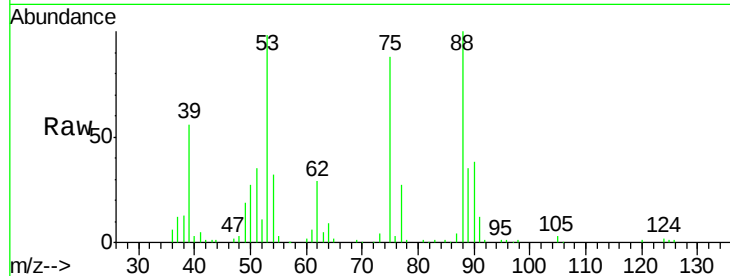
Tot Ion: 75 Resp: 90982

Ion Ratio Lower Upper

75 100

53 112.4 100.8 151.2

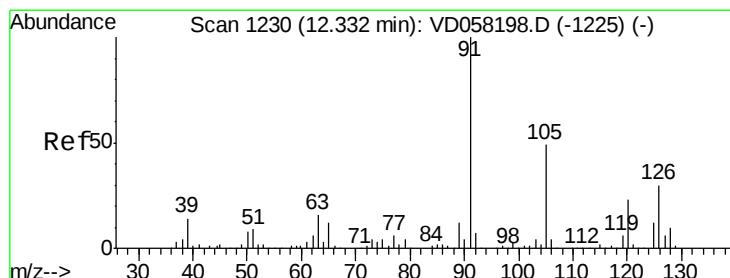
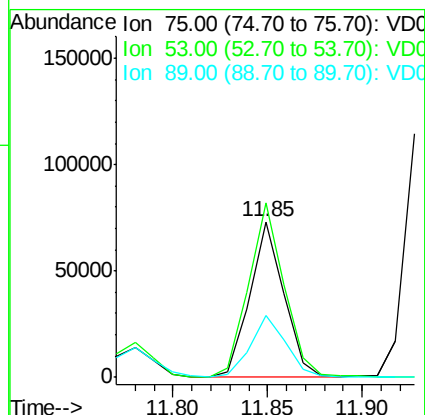
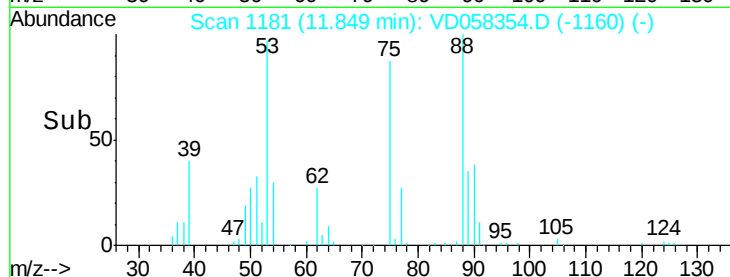
89 39.8 34.6 52.0



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: 60.01 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058354.D

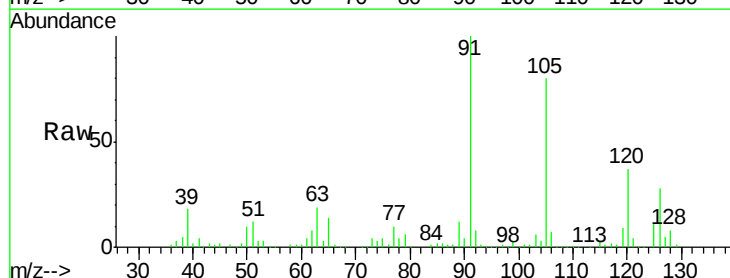
Acq: 23 Jun 2018 21:28

Tgt Ion: 91 Resp: 1251317

Ion Ratio Lower Upper

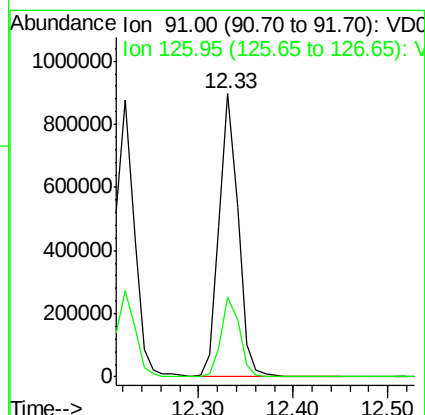
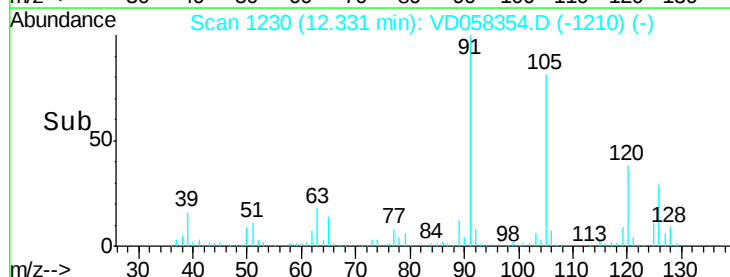
91 100

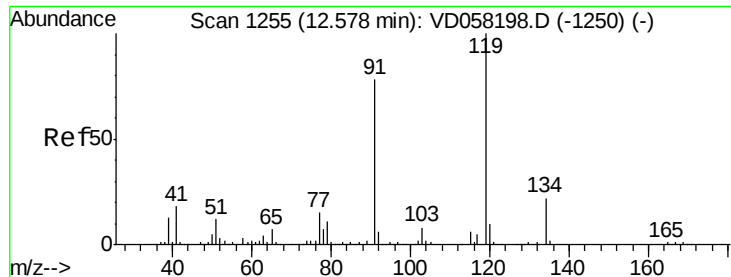
126 28.2 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

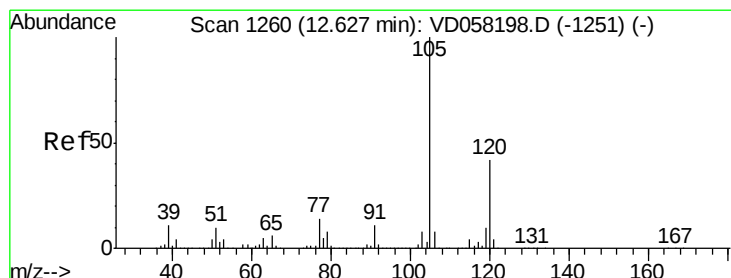
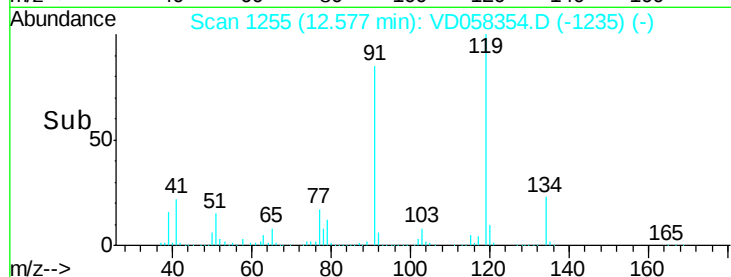
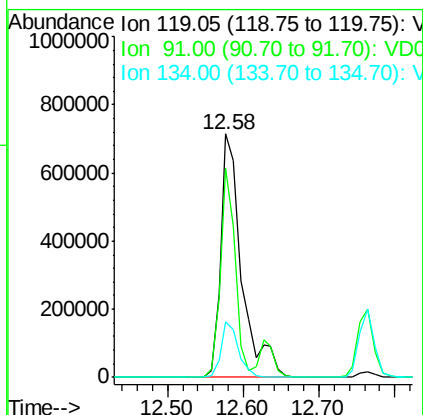
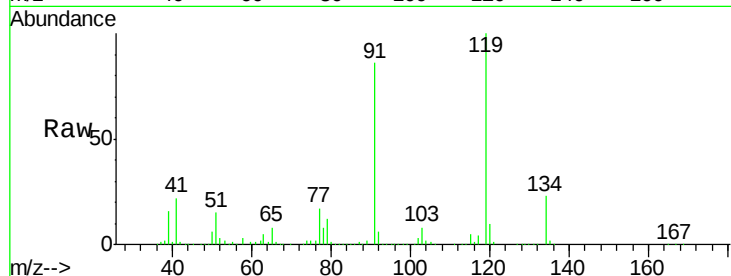




#83
tert-Butylbenzene
Concen: 52.59 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

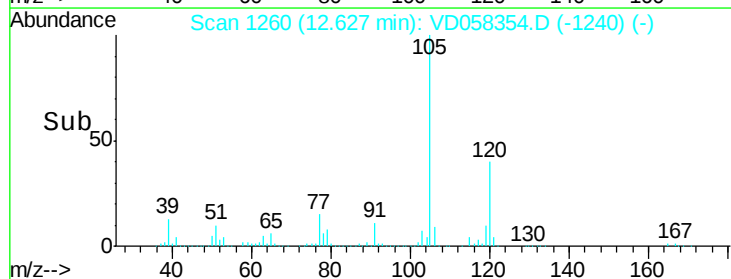
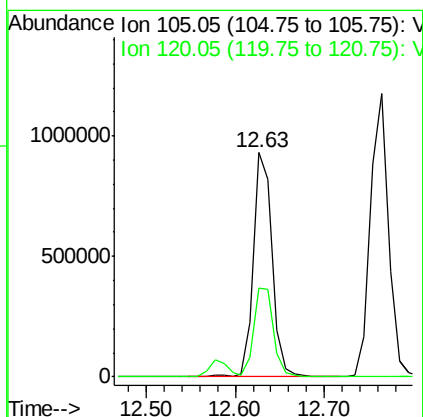
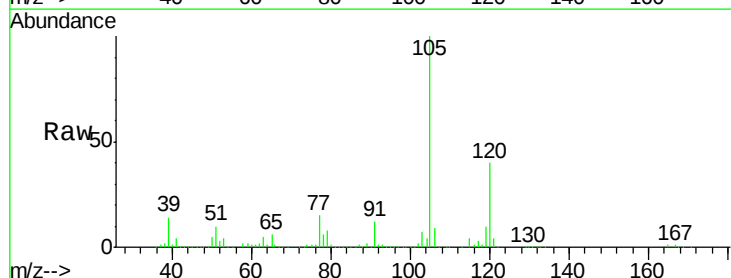
Instrument :
MSVOA_D
ClientSampleId :

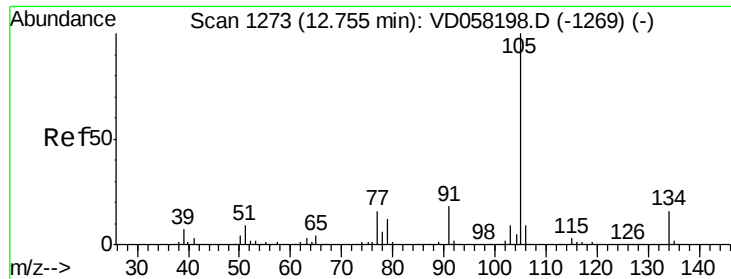
Tot Ion:119 Resp: 1390588
Ion Ratio Lower Upper
119 100
91 85.9 38.9 116.6
134 22.6 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 53.10 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion:105 Resp: 1327678
Ion Ratio Lower Upper
105 100
120 39.6 20.8 62.4





#85

sec-Butylbenzene

Concen: 52.49 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

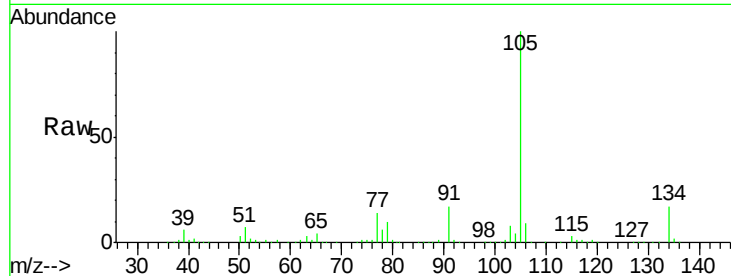
ClientSampleId :

Tot Ion:105 Resp: 1627065

Ion Ratio Lower Upper

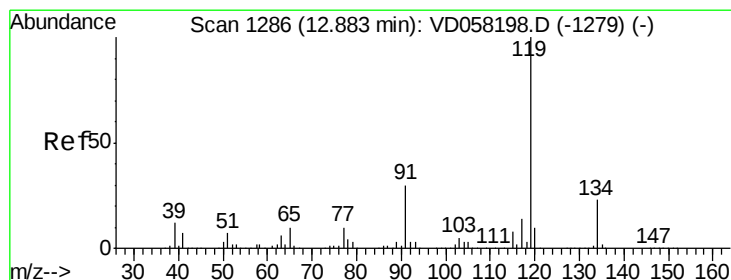
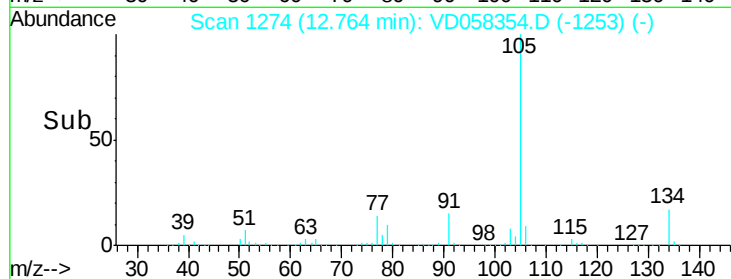
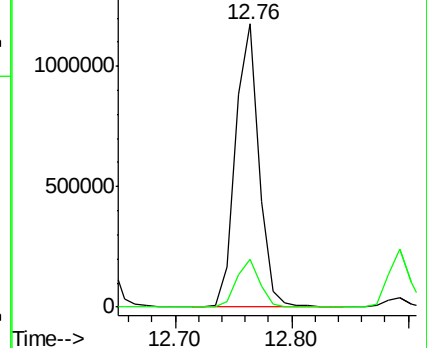
105 100

134 17.0 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: 52.09 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

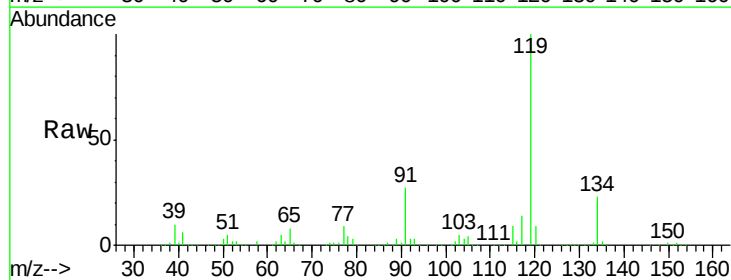
Tgt Ion:119 Resp: 1308558

Ion Ratio Lower Upper

119 100

134 23.3 11.6 34.8

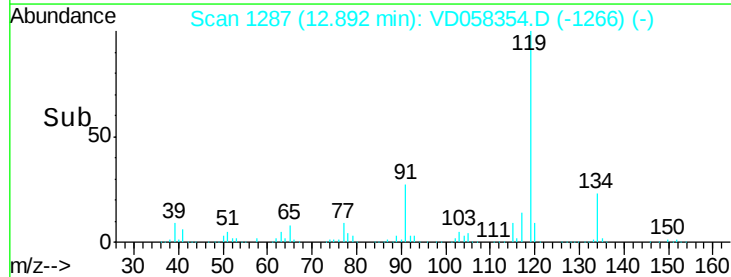
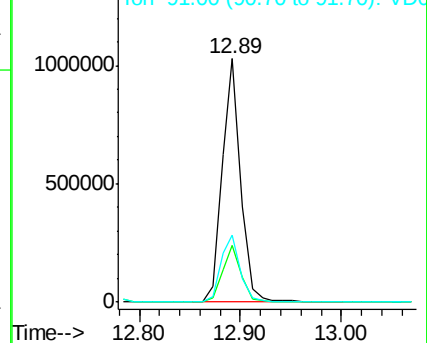
91 27.3 15.0 45.1

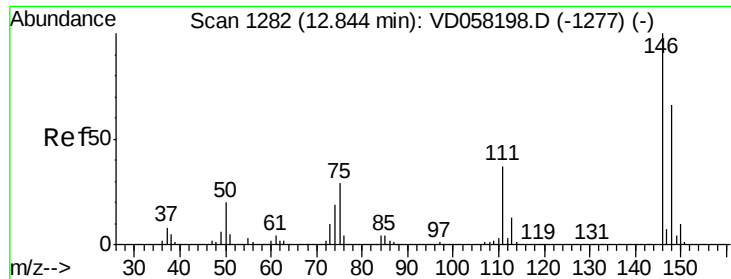


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

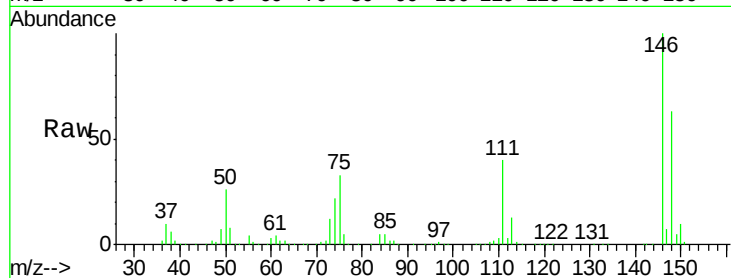




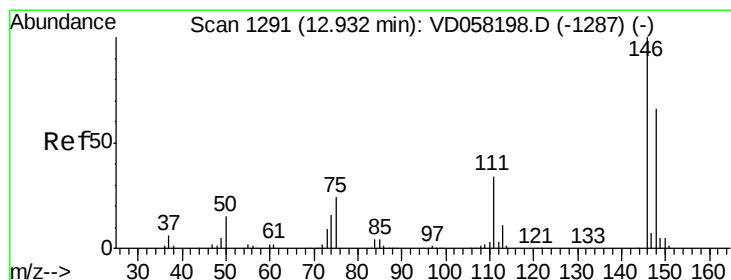
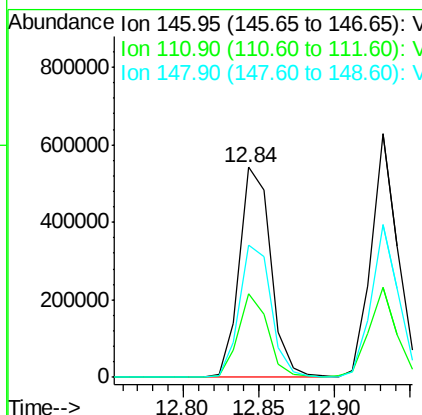
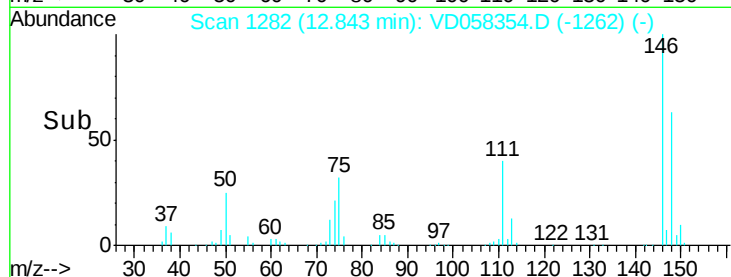
#87
 1,3-Dichlorobenzene
 Concen: 51.16 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.4	55.0
148	62.9	32.8	98.4

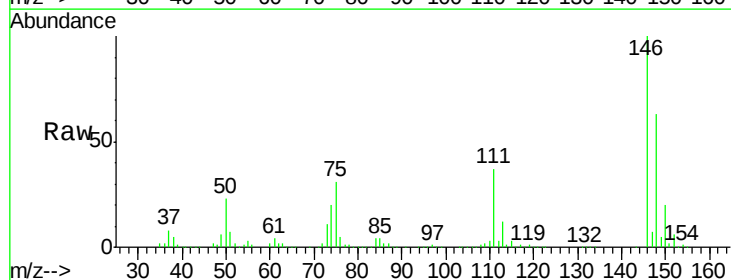


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

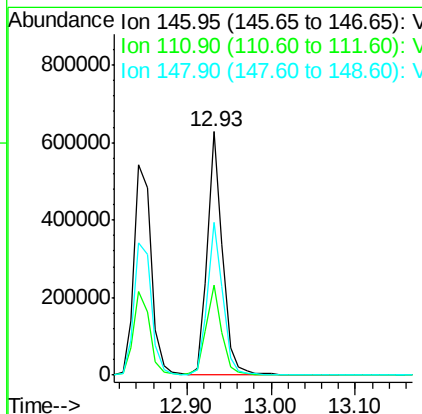
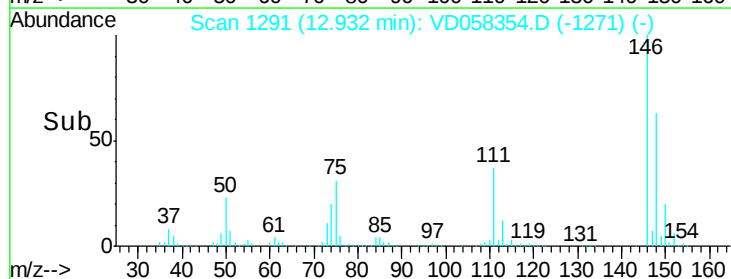


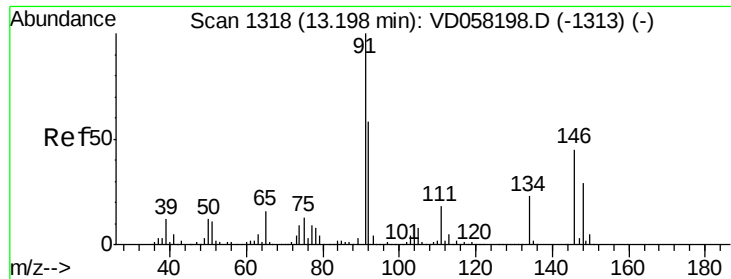
#88
 1,4-Dichlorobenzene
 Concen: 52.33 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	17.2	51.5
148	62.9	33.1	99.3



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

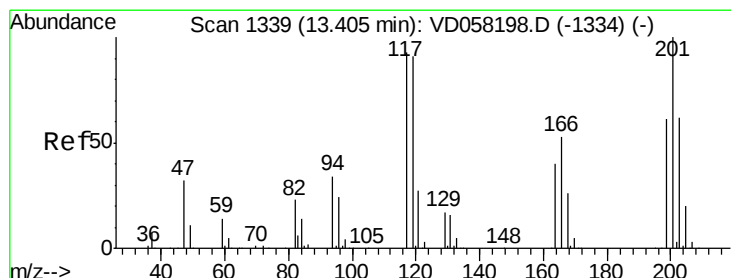
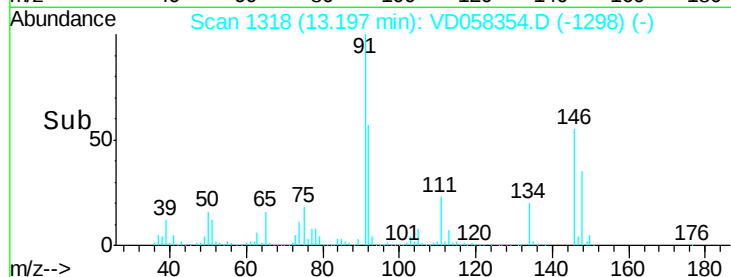
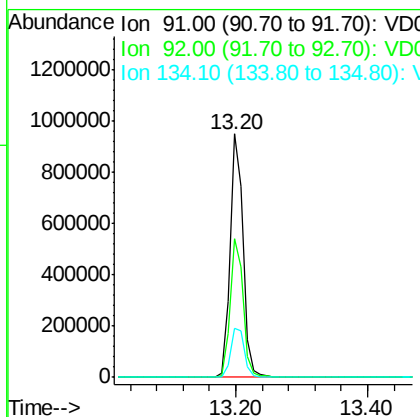
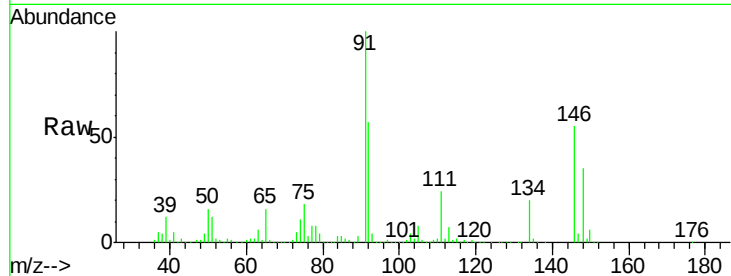




#89
n-Butylbenzene
Concen: 49.45 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

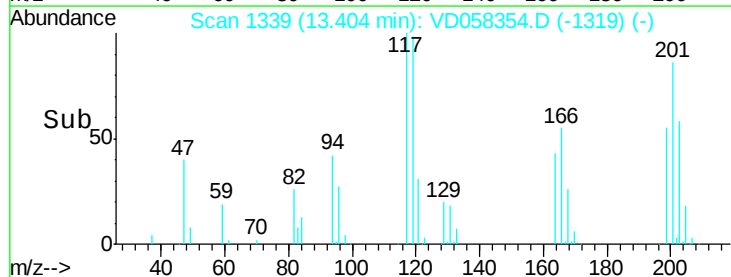
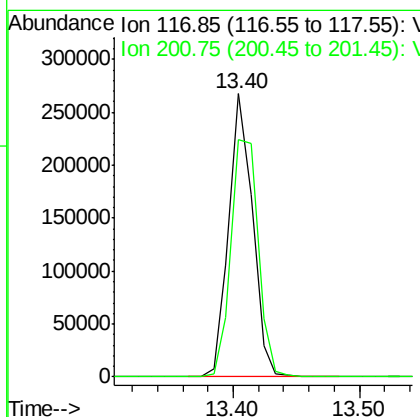
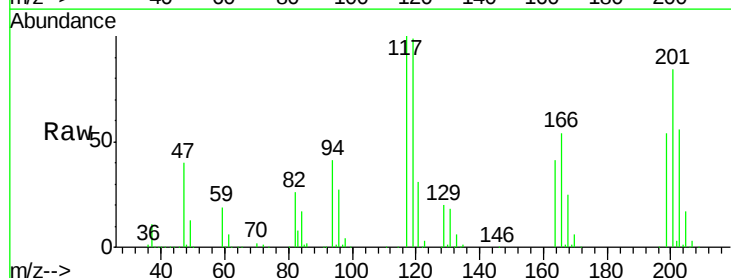
Instrument :
MSVOA_D
ClientSampleId :

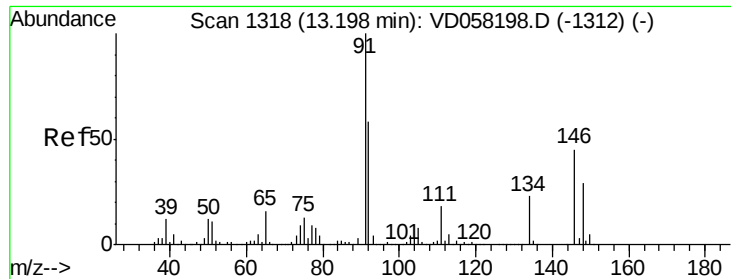
Tot Ion: 91 Resp: 1305510
Ion Ratio Lower Upper
91 100
92 57.0 29.2 87.6
134 20.0 11.3 33.8



#90
Hexachloroethane
Concen: 53.42 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 117 Resp: 348280
Ion Ratio Lower Upper
117 100
201 83.7 53.8 161.4

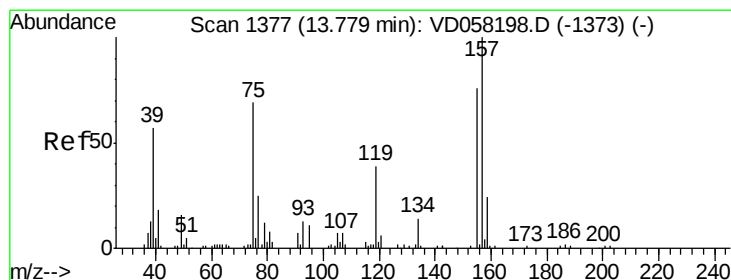
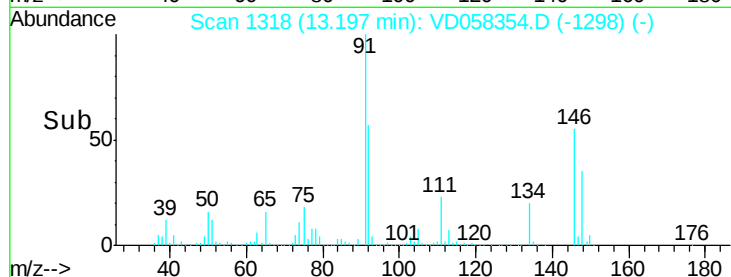
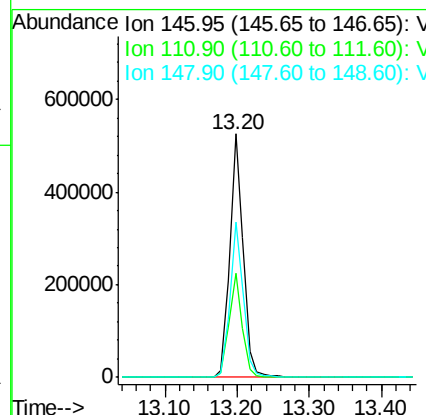
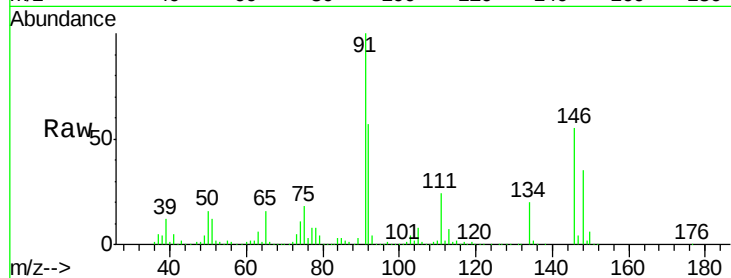




#91
 1,2-Dichlorobenzene
 Concen: 51.38 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

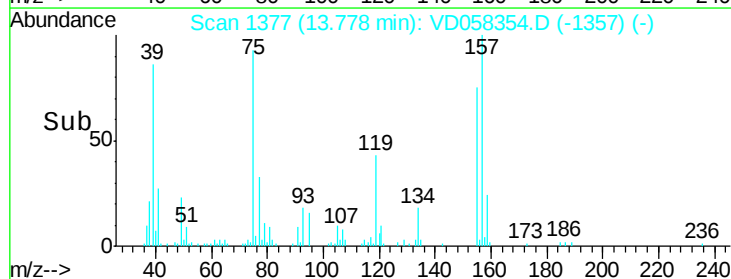
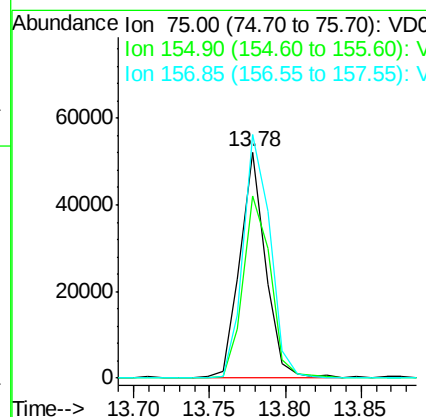
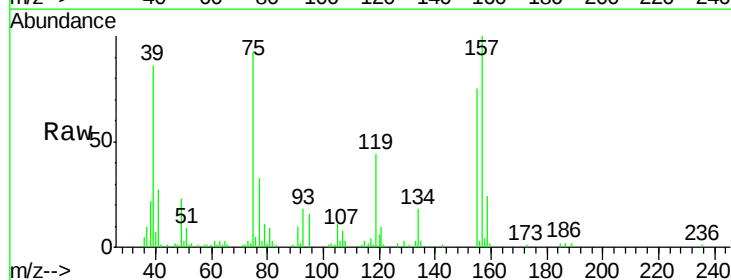
Instrument :
 MSVOA_D
 ClientSampled :

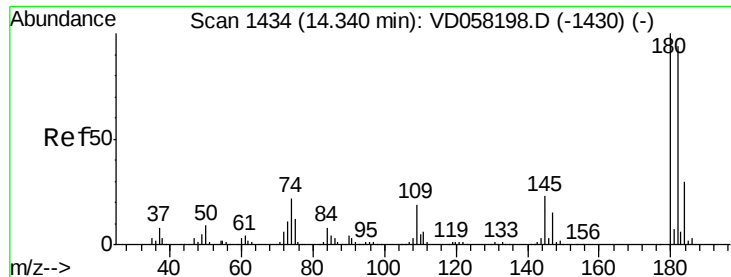
Tot Ion:146 Resp: 671096
 Ion Ratio Lower Upper
 146 100
 111 42.7 19.6 58.7
 148 63.7 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.20 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Tgt Ion: 75 Resp: 61377
 Ion Ratio Lower Upper
 75 100
 155 80.6 54.5 163.5
 157 107.6 72.0 215.9

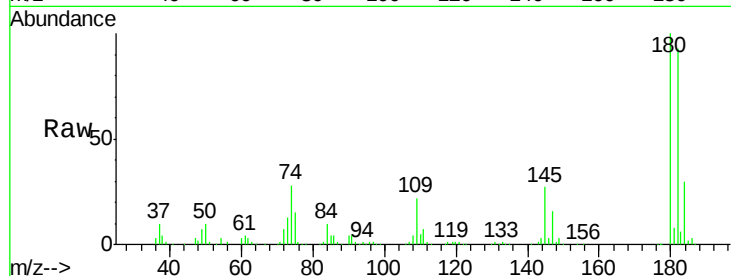




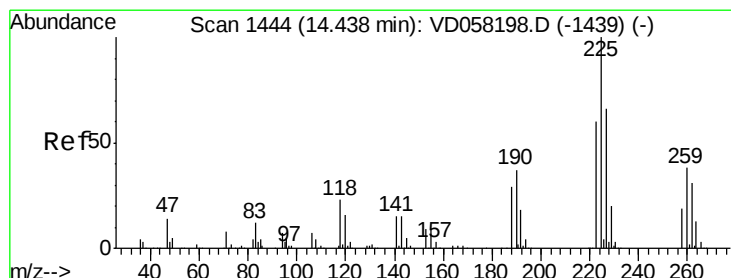
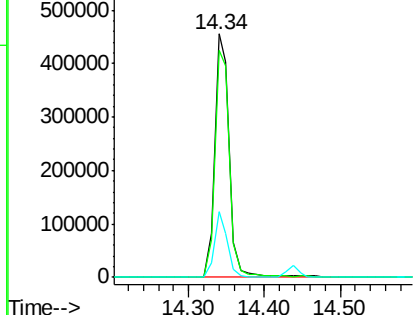
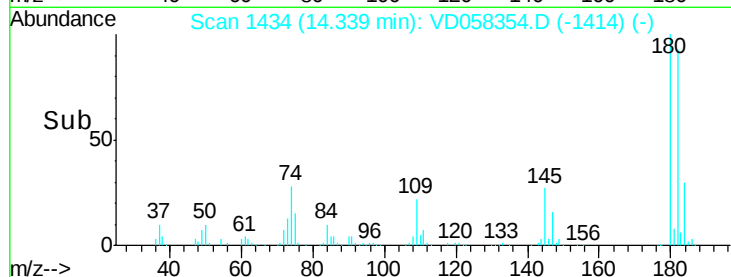
#93
 1,2,4-Trichlorobenzene
 Concen: 50.02 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 624910
 Ion Ratio Lower Upper
 180 100
 182 93.2 47.1 141.3
 145 26.8 11.7 35.0

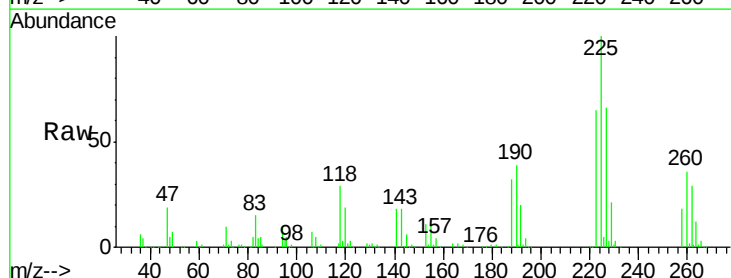


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

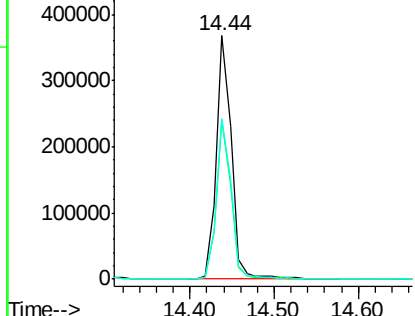
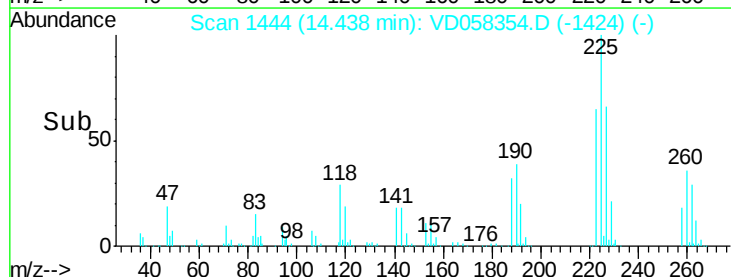


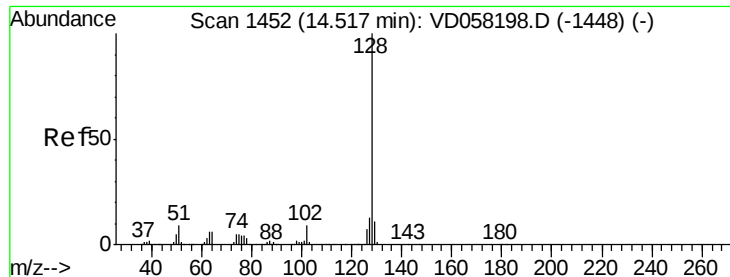
#94
 Hexachlorobutadiene
 Concen: 47.03 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Tgt Ion:225 Resp: 459555
 Ion Ratio Lower Upper
 225 100
 223 65.4 30.1 90.3
 227 65.8 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: 51.27 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampled :

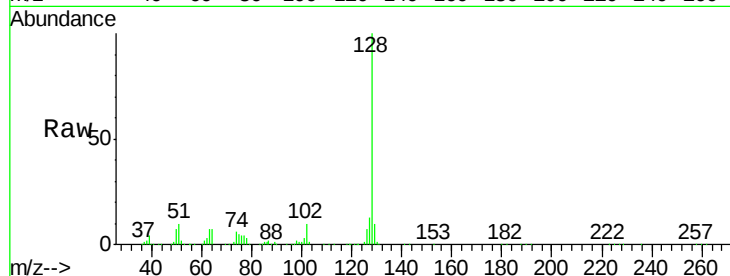
Tot Ion:128 Resp: 843647

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

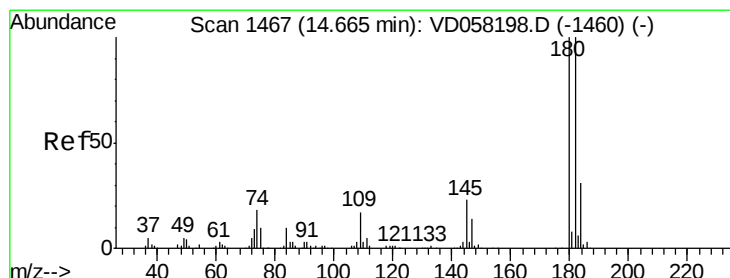
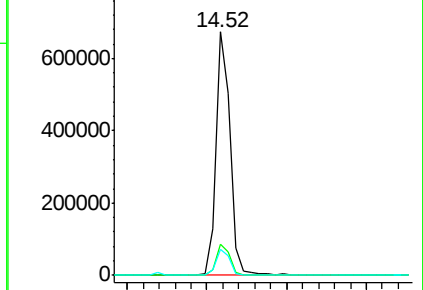
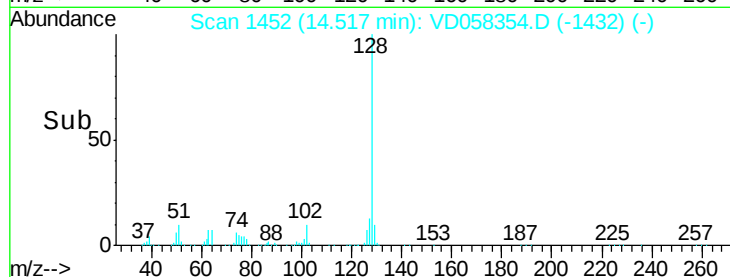
129 10.4 8.7 13.1



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: 47.56 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

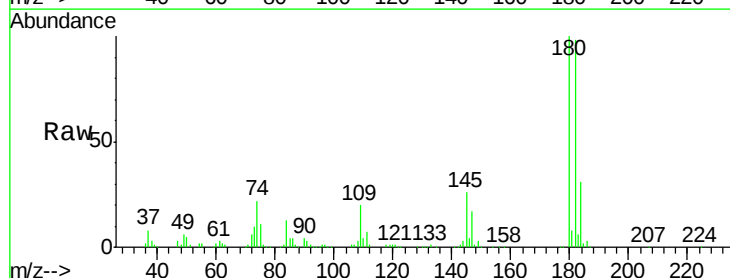
Tgt Ion:180 Resp: 520132

Ion Ratio Lower Upper

180 100

182 97.8 49.9 149.6

145 26.4 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

