

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
 Data File : VD062514.D
 Acq On : 22 May 2019 20:23
 Operator : VA/AP
 Sample : K2996-01RE
 Misc : 7.38g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 23 03:17:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	112105	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.28	114	175055	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.44	117	147177	50.00	ug/l	0.06
72) 1,4-Dichlorobenzene-d4	14.53	152	6555	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount						
			Recovery	=	0.00%	
35) Dibromofluoromethane	6.97	113	125325	79.36	ug/l	0.02
Spiked Amount						
			Recovery	=	158.72%	
50) Toluene-d8	10.47	98	28245	8.17	ug/l	0.04
Spiked Amount						
			Recovery	=	16.34%	
62) 4-Bromofluorobenzene	13.64	95	203754	134.78	ug/l	0.07
Spiked Amount						
			Recovery	=	269.56%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.56	85	457	Below Cal	# 42
3) Chloromethane	1.82	50	187989	242.064	ug/l # 72
6) Chloroethane	2.35	64	4270	10.801	ug/l # 1
11) Tert butyl alcohol	4.04	59	1395	25.185	ug/l # 1
13) Acrolein	2.98	56	979760	21299.578	ug/l # 1
15) Acrylonitrile	4.24	53	130193	1025.753	ug/l # 43
16) Acetone	3.24	43	11814779	54942.269	ug/l # 59
17) Carbon Disulfide	3.40	76	27548	10.956	ug/l 97
19) Methyl tert-butyl Ether	4.20	73	6995	3.648	ug/l # 1
20) Methylene Chloride	3.71	84	181857	219.398	ug/l # 19
24) 1,1-Dichloroethane	4.89	63	11037	6.577	ug/l # 85
28) Bromochloromethane	6.48	49	1094	1.816	ug/l # 1
29) Tetrahydrofuran	6.74	42	748744	6970.588	ug/l # 30
30) Chloroform	6.67	83	2788652	1303.477	ug/l # 30
40) Benzene	7.55	78	3542354	1079.039	ug/l # 87
41) Methacrylonitrile	6.52	41	659075	807.117	ug/l # 70
42) 1,2-Dichloroethane	7.70	62	3374	1.941	ug/l # 1
43) Isopropyl Acetate	9.23	43	23266383	26974.372	ug/l # 43
45) 1,2-Dichloropropane	9.04	63	79102	98.874	ug/l # 1
46) Dibromomethane	9.20	93	116969	161.292	ug/l # 1
47) Bromodichloromethane	9.58	83	3618254	1961.280	ug/l # 47
48) Methyl methacrylate	9.15	41	6564357	11309.214	ug/l # 64
49) 1,4-Dioxane	8.83	88	188	36.109	ug/l # 1
52) Toluene	10.73	92	1479623	658.369	ug/l 89
53) t-1,3-Dichloropropene	10.94	75	4791	3.119	ug/l # 1
54) cis-1,3-Dichloropropene	10.21	75	2024	1.263	ug/l # 1
55) 1,1,2-Trichloroethane	11.24	97	4015657	5272.047	ug/l # 30
56) Ethyl methacrylate	11.16	69	11617774	14267.774	ug/l # 70
58) 2-Chloroethyl Vinyl ether	9.90	63	535389	1280.472	ug/l # 46
59) 2-Hexanone	11.68	43	5306226	12813.060	ug/l # 32
60) Dibromochloromethane	11.65	129	15677	10.716	ug/l 59
61) 1,2-Dibromoethane	11.97	107	80534	85.795	ug/l # 1
65) Chlorobenzene	12.49	112	33939	11.991	ug/l # 54
67) Ethyl Benzene	12.65	91	17216465	3531.603	ug/l # 75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

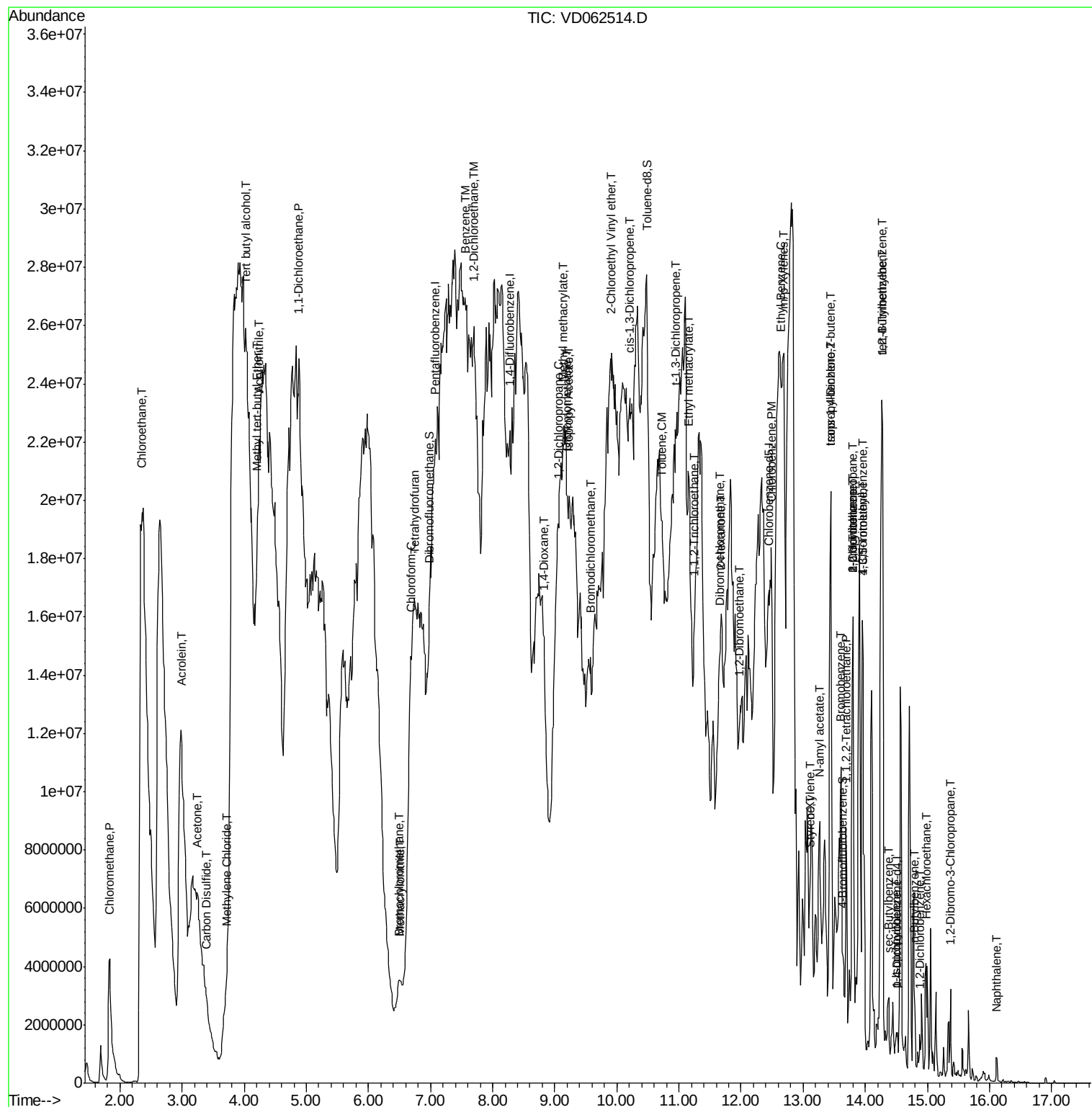
68) m/p-Xylenes	12.68	106	25774283	14728.805	ug/l	96
69) o-Xylene	13.11	106	316819	191.884	ug/l	79
70) Styrene	13.10	104	20653	7.353	ug/l #	1
73) Isopropylbenzene	13.44	105	15017638	36345.911	ug/l	90
74) N-amyl acetate	13.26	43	1478637	14489.334	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	13.70	83	132042	1771.379	ug/l #	78
76) 1,2,3-Trichloropropane	13.80	75	109214	1414.502	ug/l #	1
77) Bromobenzene	13.61	156	783	6.680	ug/l #	1
78) n-propylbenzene	13.80	91	13504256	28215.710	ug/l	92
79) 2-Chlorotoluene	13.80	91	13504256	46494.523	ug/l #	38
80) 1,3,5-Trimethylbenzene	13.95	105	7128707	19926.093	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.44	75	227752	10459.151	ug/l #	14
82) 4-Chlorotoluene	13.95	91	825140	2466.821	ug/l #	37
83) tert-Butylbenzene	14.27	119	3149945	7937.610	ug/l #	68
84) 1,2,4-Trimethylbenzene	14.27	105	20618294	56244.182	ug/l	82
85) sec-Butylbenzene	14.38	105	911186	2202.058	ug/l	98
86) p-Isopropyltoluene	14.50	119	348671	929.824	ug/l	86
89) n-Butylbenzene	14.80	91	1254094	3465.372	ug/l	95
90) Hexachloroethane	14.98	117	320431	3091.956	ug/l #	20
91) 1,2-Dichlorobenzene	14.89	146	259	1.472	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	15.37	75	10713	757.151	ug/l #	1
95) Naphthalene	16.12	128	570053	3010.313	ug/l	99

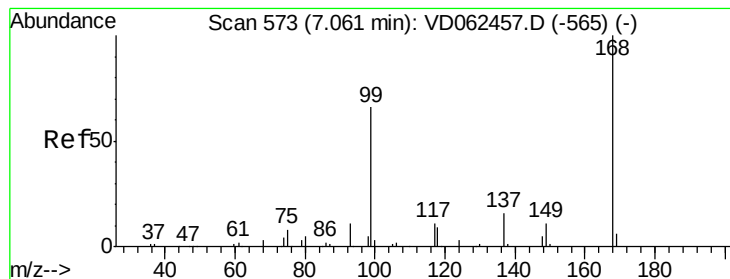
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.09 min Scan# 575

Delta R.T. 0.02 min

Lab File: VD062514.D

Acq: 22 May 2019 20:23

Instrument :

MSVOA_D

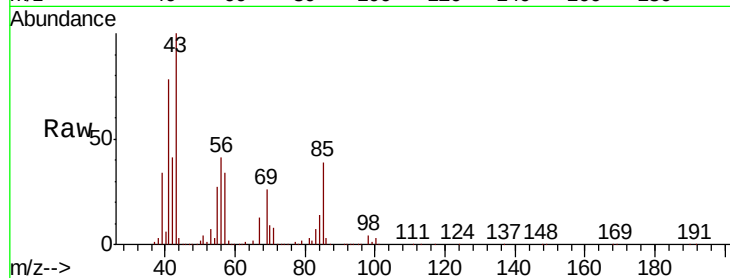
ClientSampled :

Tot Ion:168 Resp: 112105

Ion Ratio Lower Upper

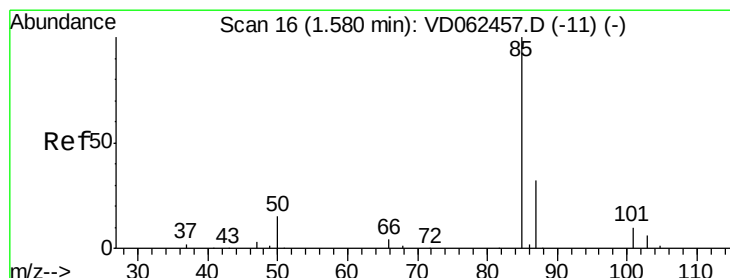
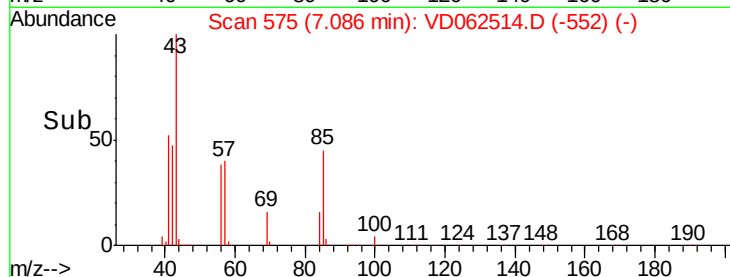
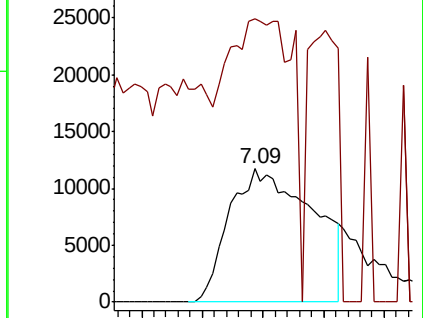
168 100

99 212.0 46.5 69.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.56 min Scan# 13

Delta R.T. -0.02 min

Lab File: VD062514.D

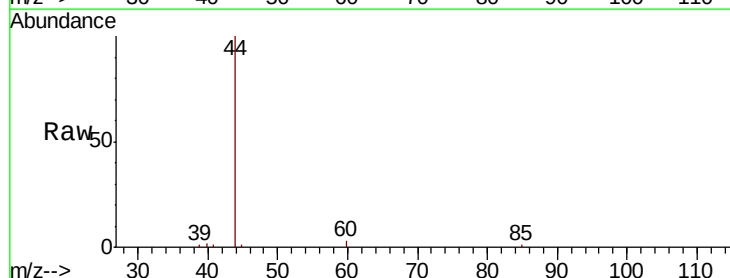
Acq: 22 May 2019 20:23

Tgt Ion: 85 Resp: 457

Ion Ratio Lower Upper

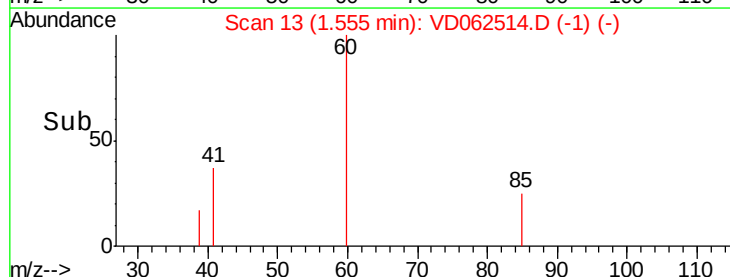
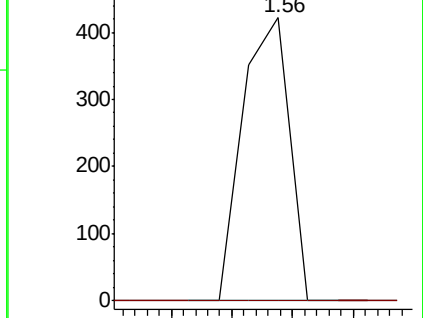
85 100

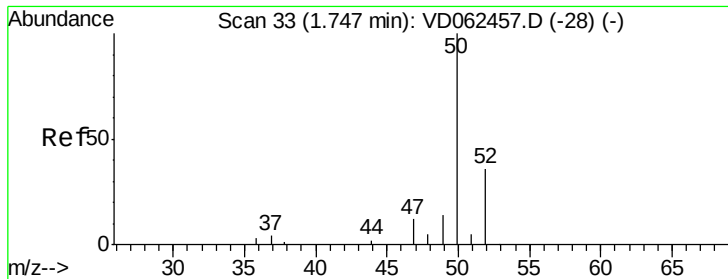
87 0.0 16.2 48.6#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 242.064 ug/l

RT: 1.82 min Scan# 40

Delta R.T. 0.07 min

Lab File: VD062514.D

Acq: 22 May 2019 20:23

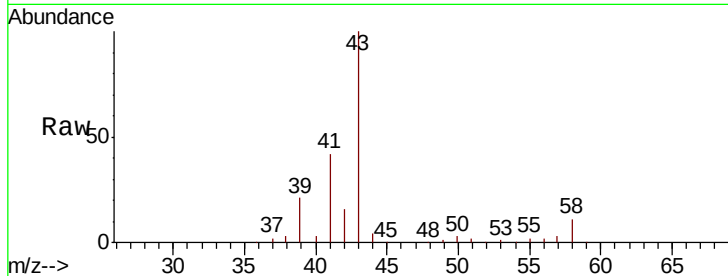
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 50 Resp: 187989

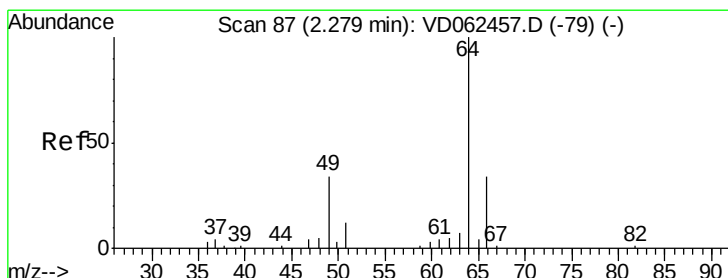
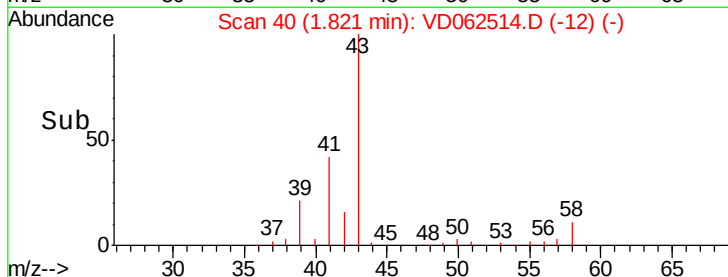
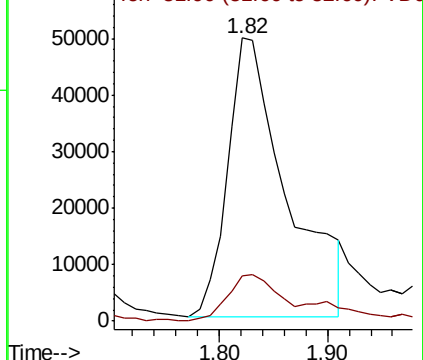
Ion Ratio Lower Upper

50 100

52 15.8 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#6

Chloroethane

Concen: 10.801 ug/l

RT: 2.35 min Scan# 94

Delta R.T. 0.07 min

Lab File: VD062514.D

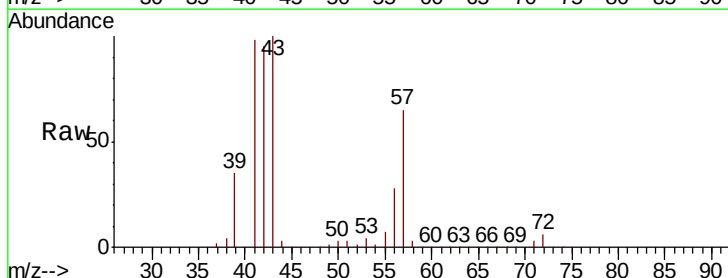
Acq: 22 May 2019 20:23

Tgt Ion: 64 Resp: 4270

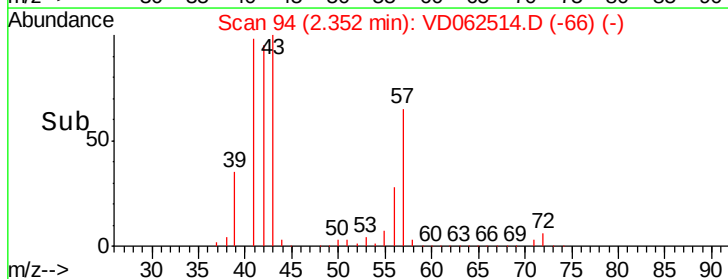
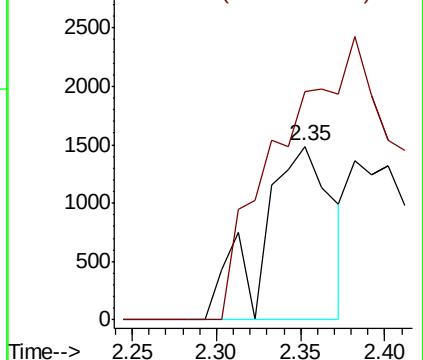
Ion Ratio Lower Upper

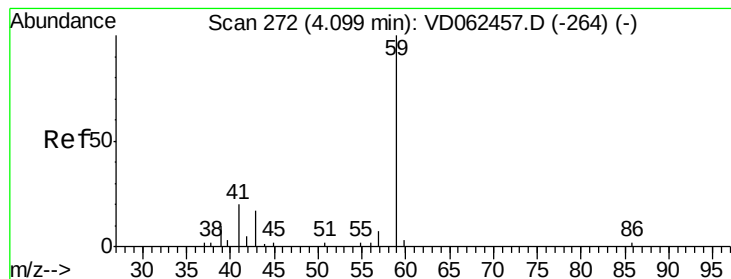
64 100

66 131.9 25.6 38.4#



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



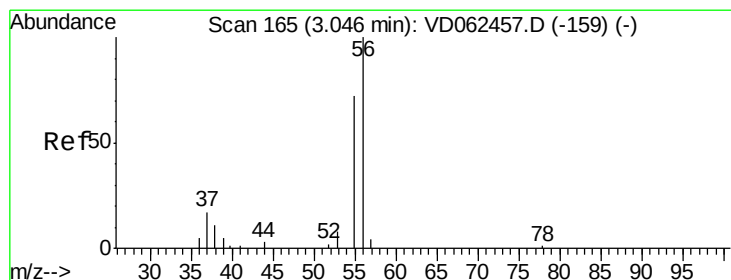
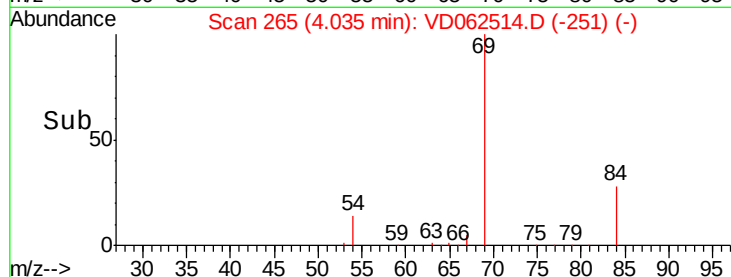
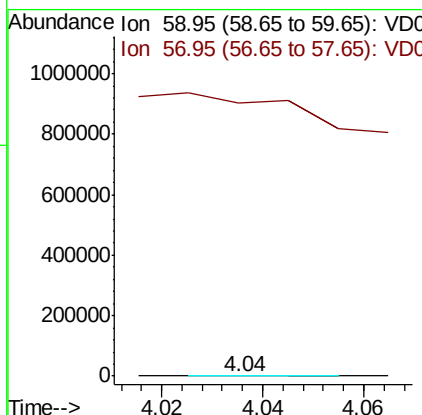
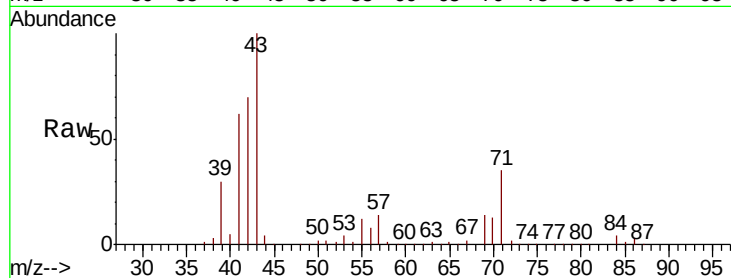


#11

Tert butyl alcohol
 Concen: 25.185 ug/l
 RT: 4.04 min Scan# 265
 Delta R.T. -0.06 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

Instrument :
 MSVOA_D
 ClientSampled :

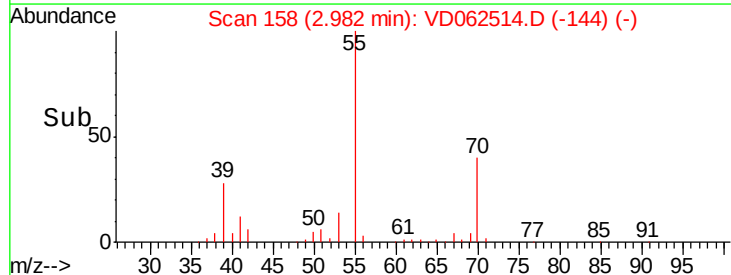
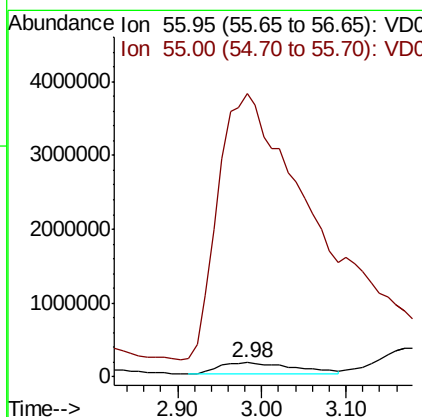
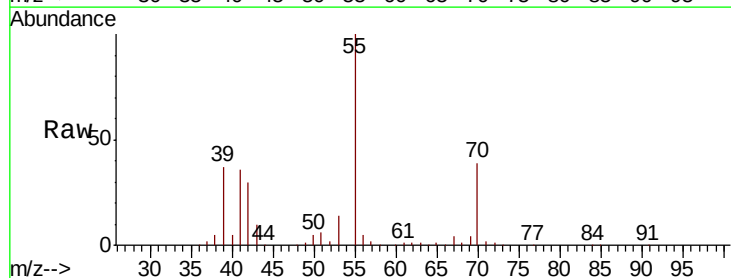
Tot Ion: 59 Resp: 1395
 Ion Ratio Lower Upper
 59 100
 57 93795.6 6.9 10.3#

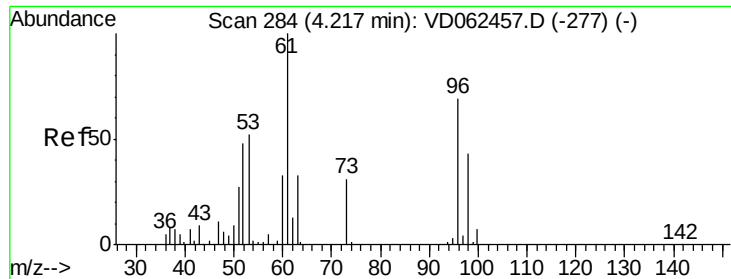


#13

Acrolein
 Concen: 21299.578 ug/l
 RT: 2.98 min Scan# 158
 Delta R.T. -0.06 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

Tgt Ion: 56 Resp: 979760
 Ion Ratio Lower Upper
 56 100
 55 1949.6 51.4 77.2#





#15

Acrylonitrile

Concen: 1025.753 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD062514.D

Acq: 22 May 2019 20:23

Instrument :
MSVOA_D
ClientSampleId :

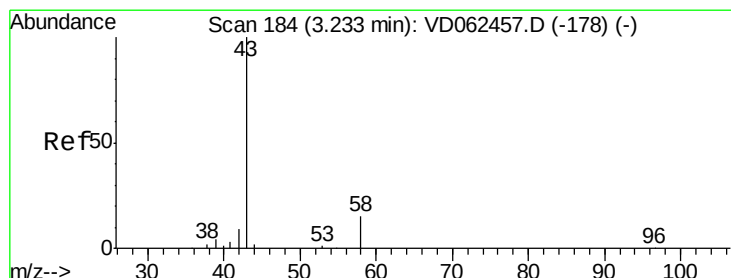
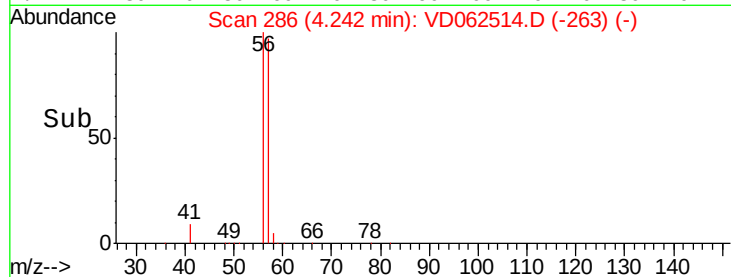
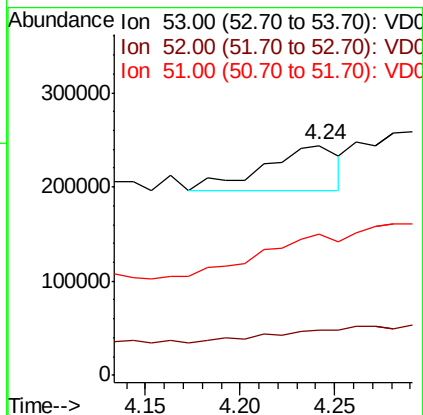
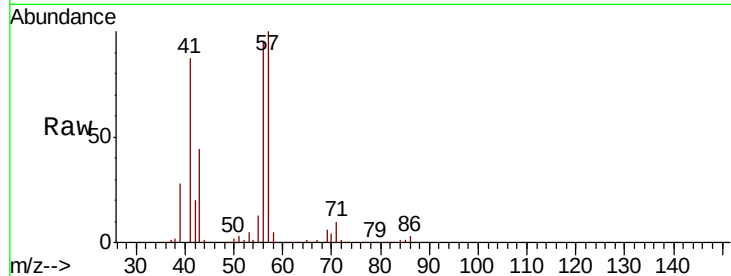
Tot Ion: 53 Resp: 130193

Ion Ratio Lower Upper

53 100

52 19.5 65.0 97.4#

51 61.2 32.6 48.8#



#16

Acetone

Concen: 54942.269 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD062514.D

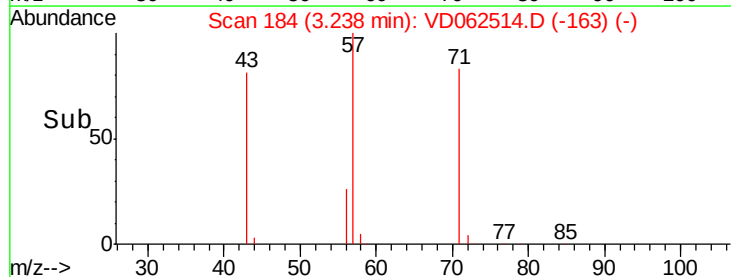
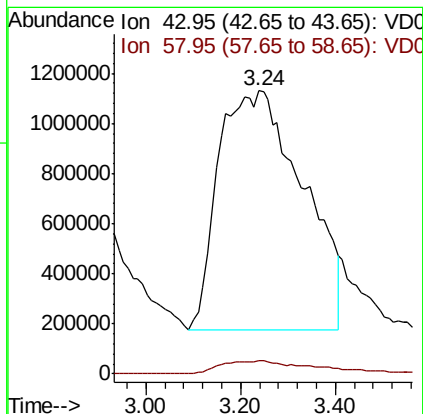
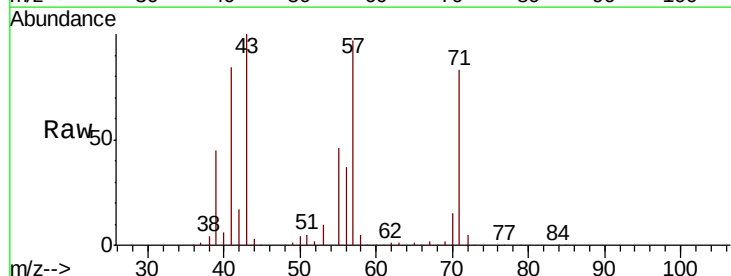
Acq: 22 May 2019 20:23

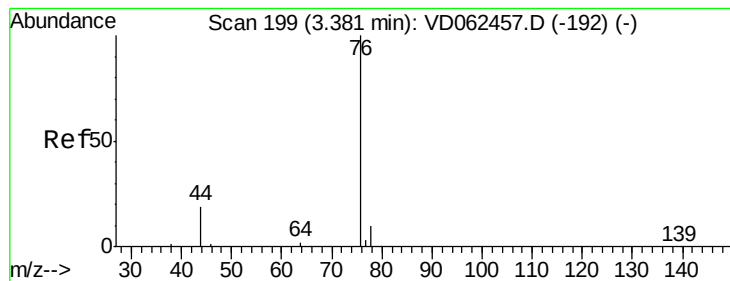
Tgt Ion: 43 Resp: 11814779

Ion Ratio Lower Upper

43 100

58 4.6 19.9 29.9#





#17

Carbon Disulfide

Concen: 10.956 ug/l

RT: 3.40 min Scan# 200

Delta R.T. 0.01 min

Lab File: VD062514.D

Acq: 22 May 2019 20:23

Instrument :

MSVOA_D

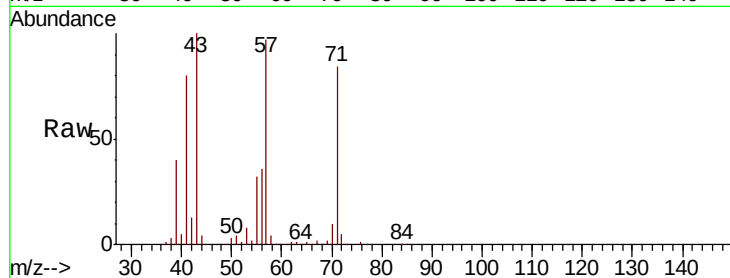
ClientSampleId :

Tot Ion: 76 Resp: 27548

Ion Ratio Lower Upper

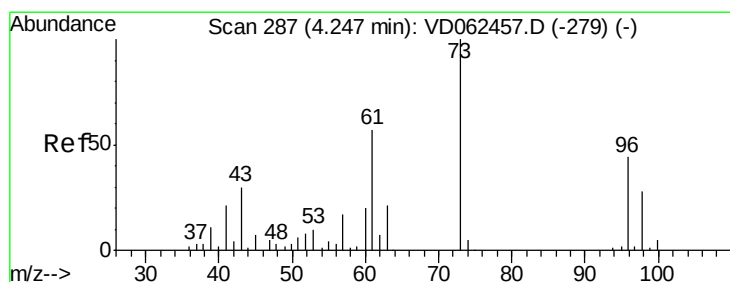
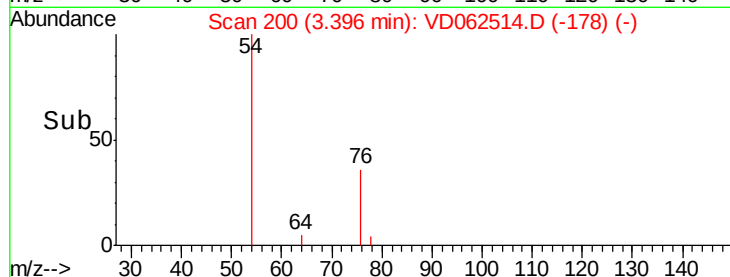
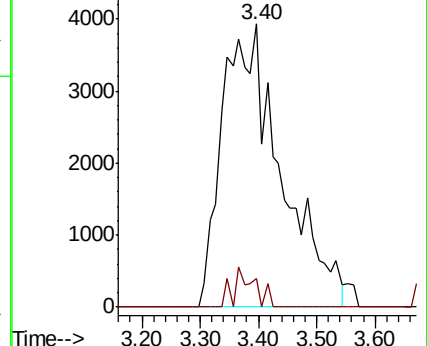
76 100

78 10.2 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#19

Methyl tert-butyl Ether

Concen: 3.648 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.04 min

Lab File: VD062514.D

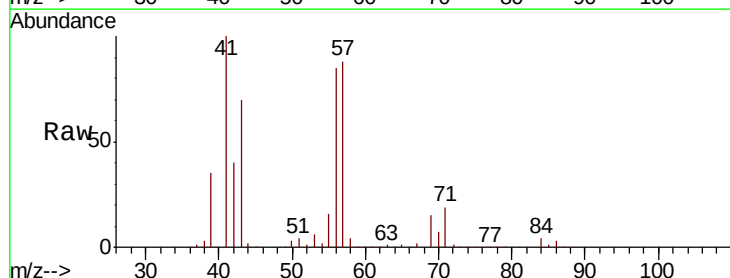
Acq: 22 May 2019 20:23

Tgt Ion: 73 Resp: 6995

Ion Ratio Lower Upper

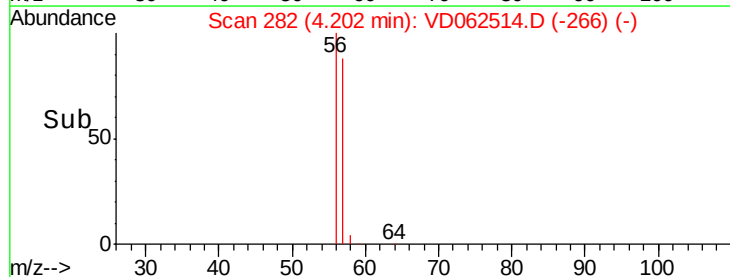
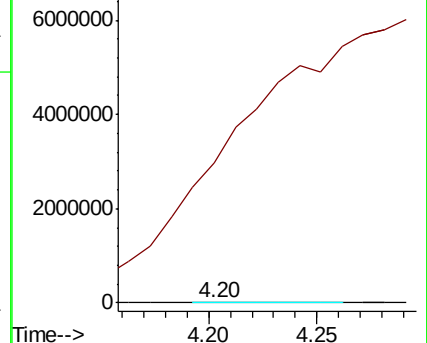
73 100

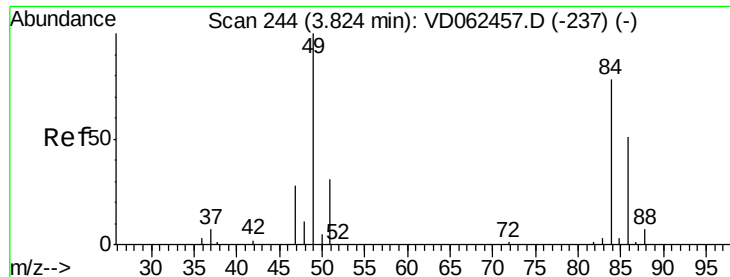
57 150878.0 16.3 24.5#



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

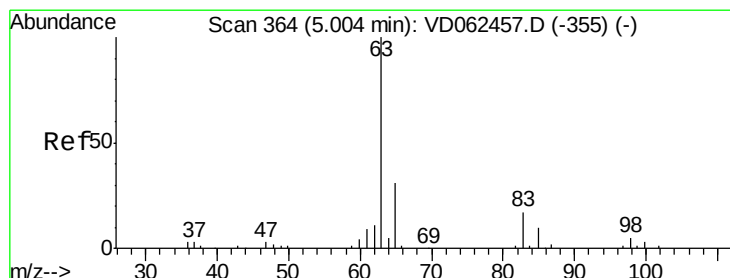
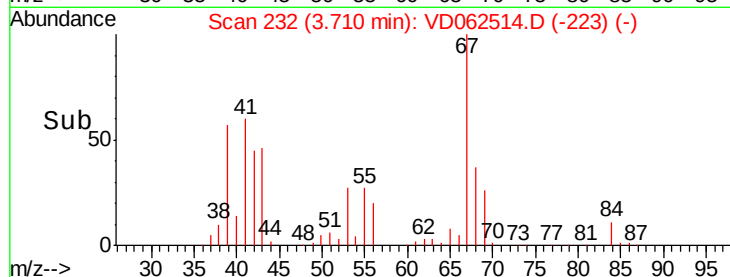
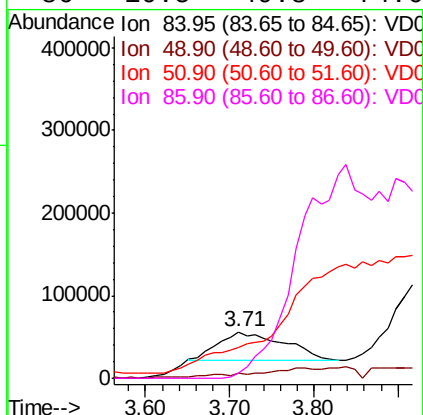
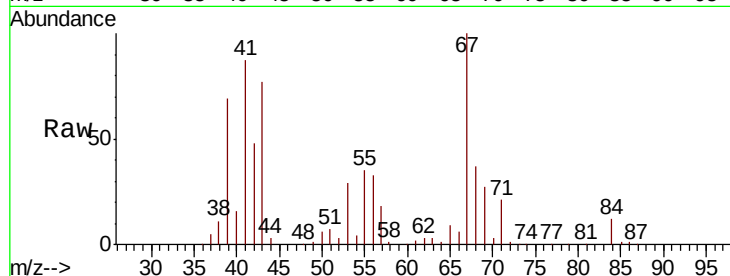




#20
Methylene Chloride
Concen: 219.398 ug/l
RT: 3.71 min Scan# 232
Delta R.T. -0.11 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

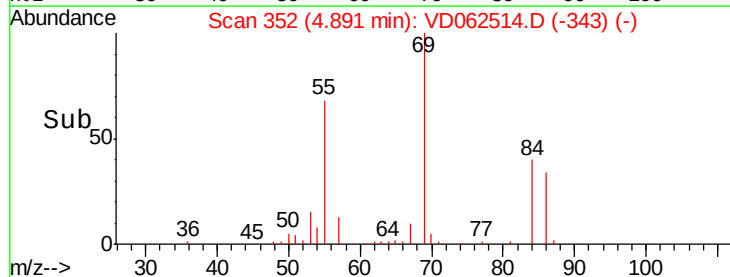
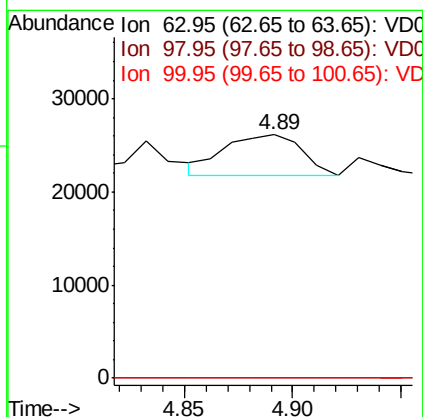
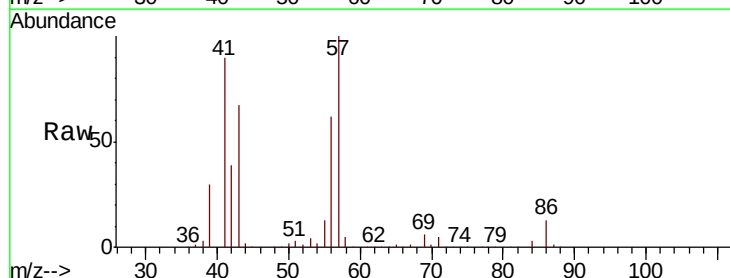
Instrument :
MSVOA_D
ClientSampleId :

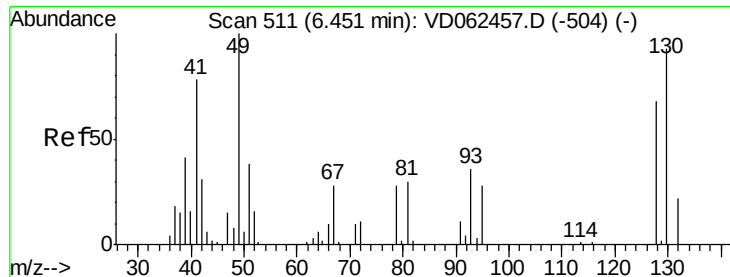
Tot Ion: 84 Resp: 181857
Ion Ratio Lower Upper
84 100
49 9.7 94.0 141.0#
51 64.7 29.0 43.4#
86 10.5 49.8 74.6#



#24
1,1-Dichloroethane
Concen: 6.577 ug/l
RT: 4.89 min Scan# 352
Delta R.T. -0.11 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

Tgt Ion: 63 Resp: 11037
Ion Ratio Lower Upper
63 100
98 0.0 2.8 8.4#
100 0.0 1.8 5.5#





#28

Bromochloromethane

Concen: 1.816 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.02 min

Lab File: VD062514.D

Acq: 22 May 2019 20:23

Instrument :

MSVOA_D

ClientSampleId :

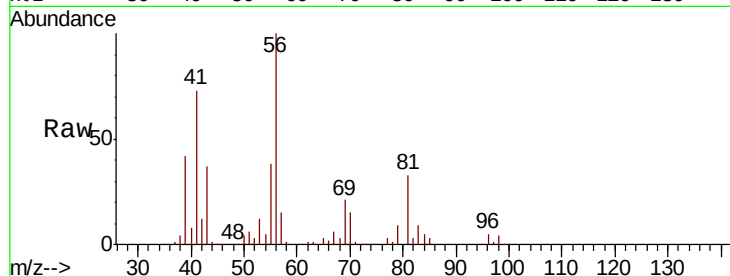
Tot Ion: 49 Resp: 1094

Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.6

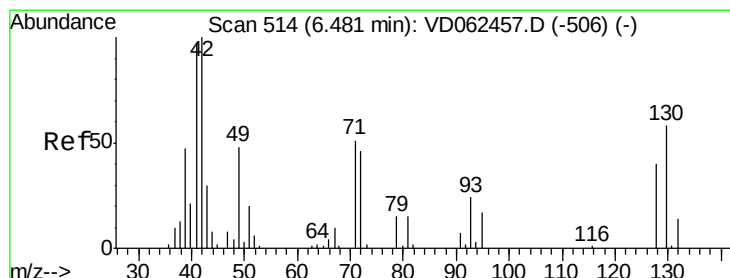
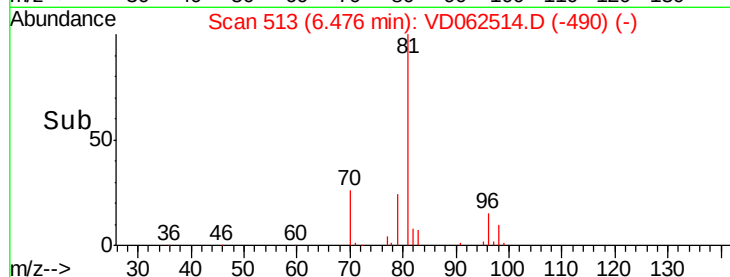
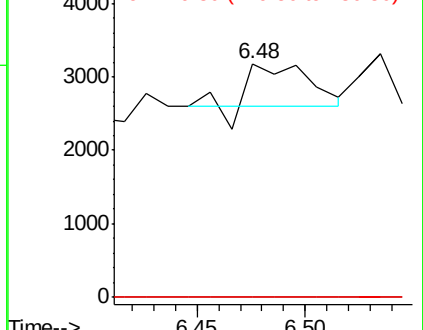
130 0.0 86.7 130.1#



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: 6970.588 ug/l

RT: 6.74 min Scan# 540

Delta R.T. 0.26 min

Lab File: VD062514.D

Acq: 22 May 2019 20:23

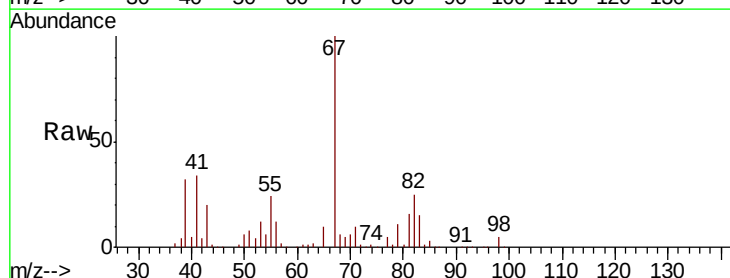
Tgt Ion: 42 Resp: 748744

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

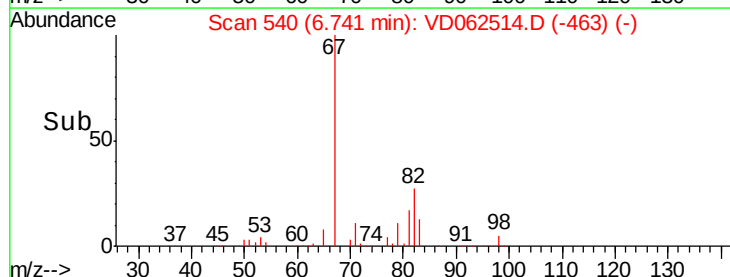
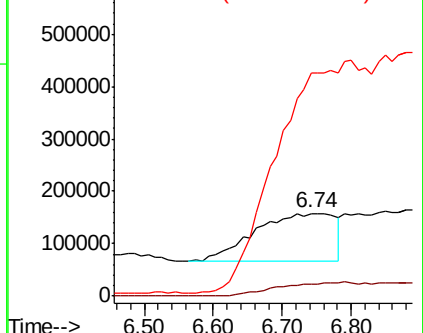
71 0.0 36.7 55.1#

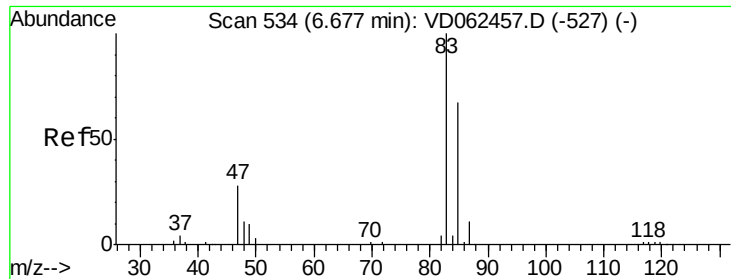


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

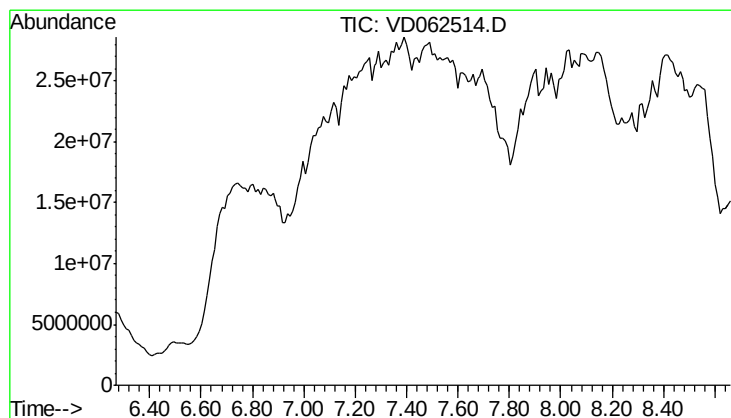
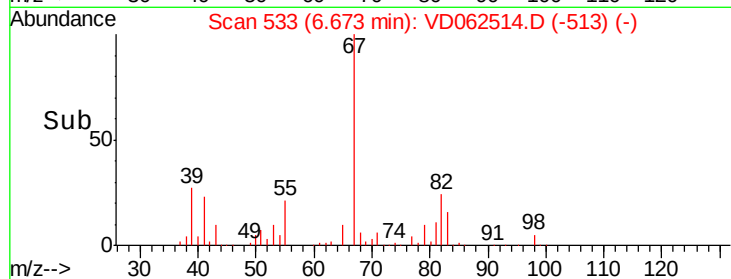
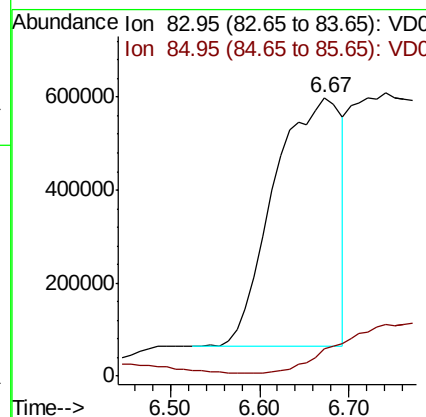
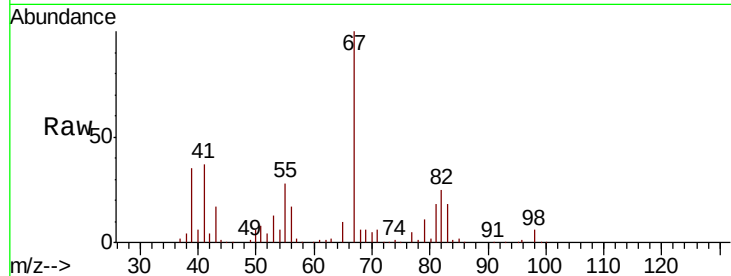




#30
Chloroform
Concen: 1303.477 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

Instrument :
MSVOA_D
ClientSampled :

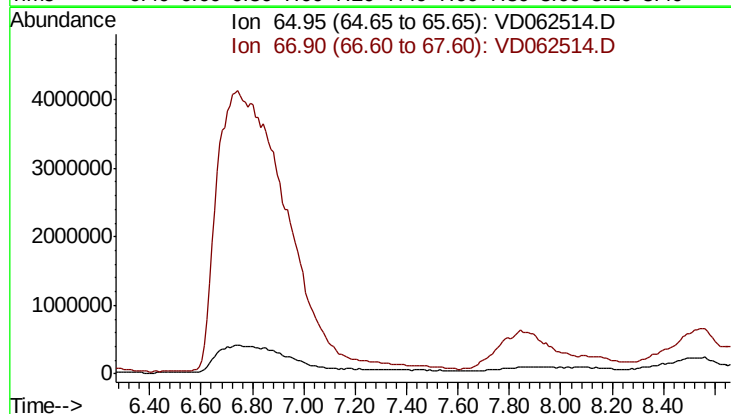
Tot Ion: 83 Resp: 2788652
Ion Ratio Lower Upper
83 100
85 9.7 51.7 77.5#

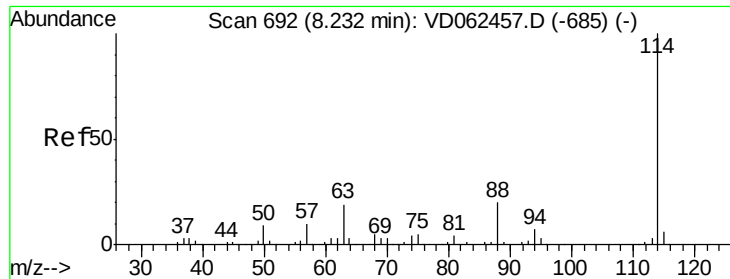


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 7.46 min

Lab File: VD062514.D
Acq: 22 May 2019 20:23

Tgt Ion: 65
Sig Exp Ratio
65 100
67 49.0

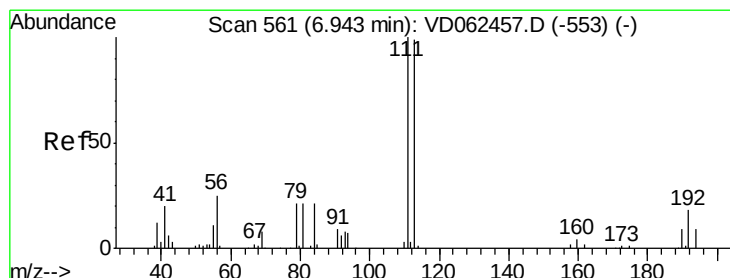
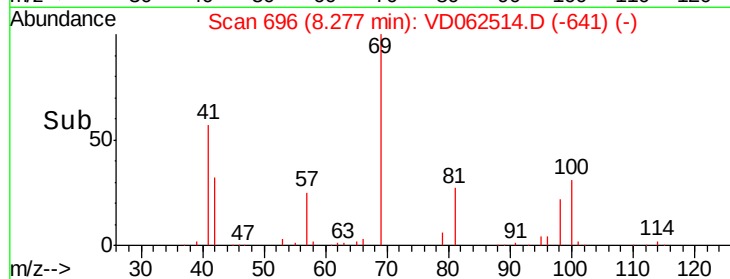
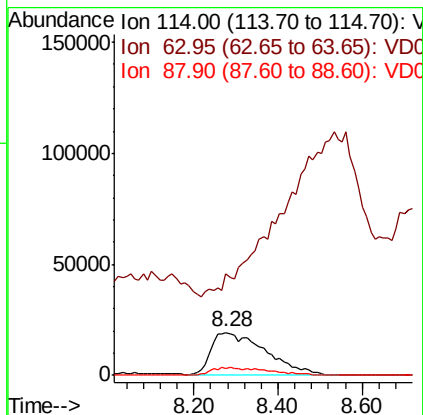
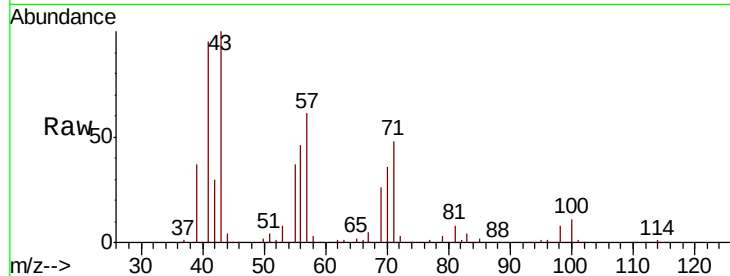




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.28 min Scan# 696
 Delta R.T. 0.04 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

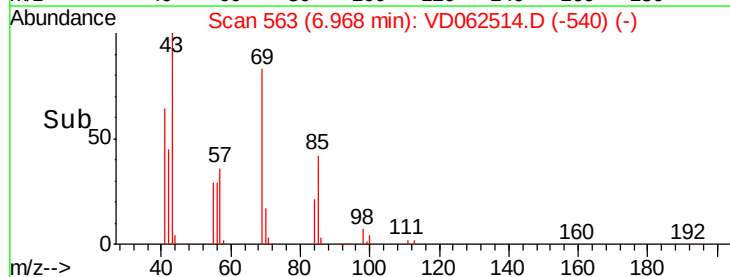
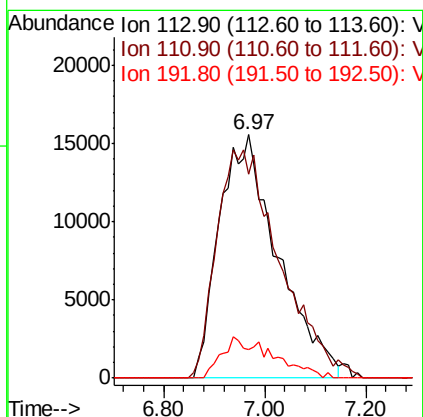
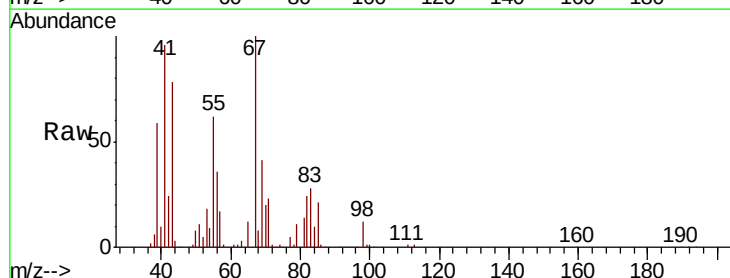
Instrument :
 MSVOA_D
 ClientSampled :

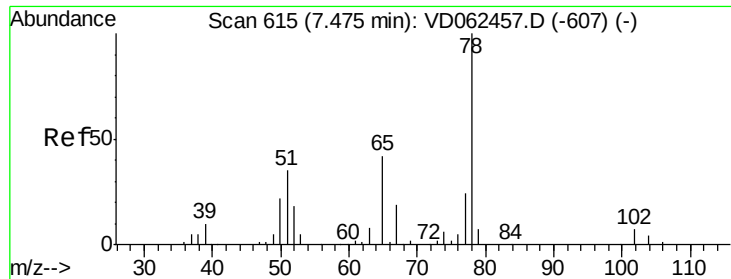
Tot Ion:114 Resp: 175055
 Ion Ratio Lower Upper
 114 100
 63 236.4 0.0 32.4#
 88 16.2 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 79.359 ug/l
 RT: 6.97 min Scan# 563
 Delta R.T. 0.02 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

Tgt Ion:113 Resp: 125325
 Ion Ratio Lower Upper
 113 100
 111 83.8 78.5 117.7
 192 11.7 13.0 19.4#

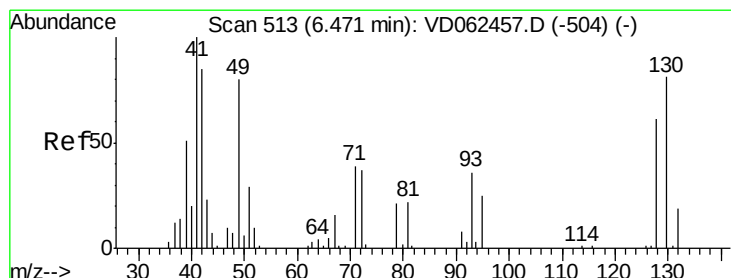
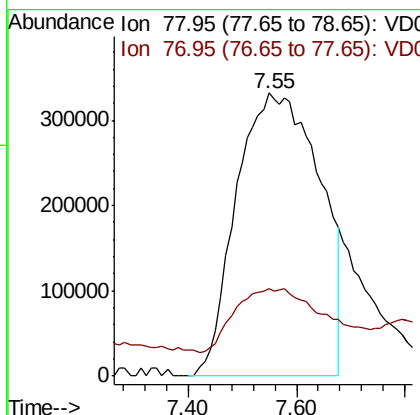
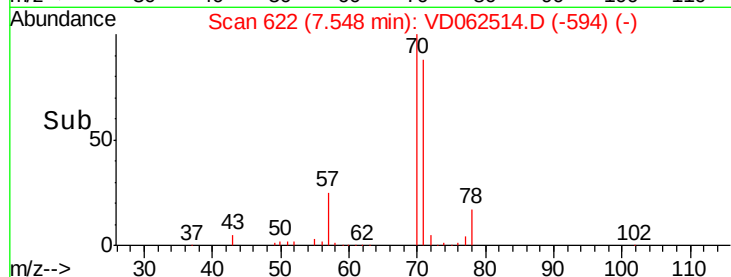
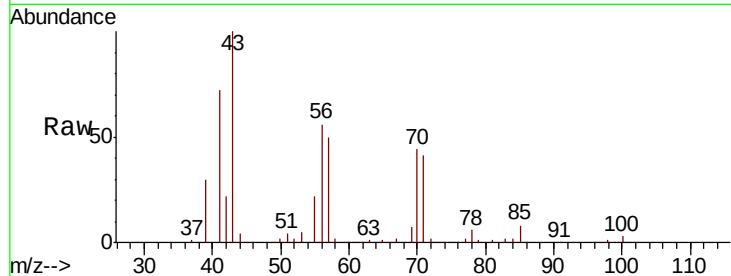




#40
Benzene
Concen: 1079.039 ug/l
RT: 7.55 min Scan# 622
Delta R.T. 0.07 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

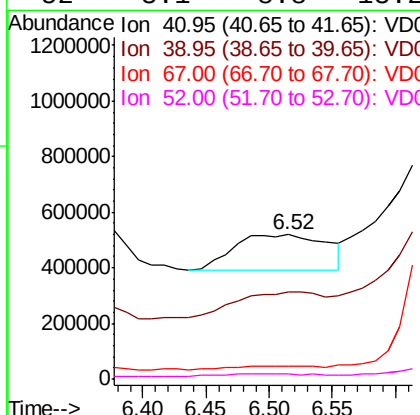
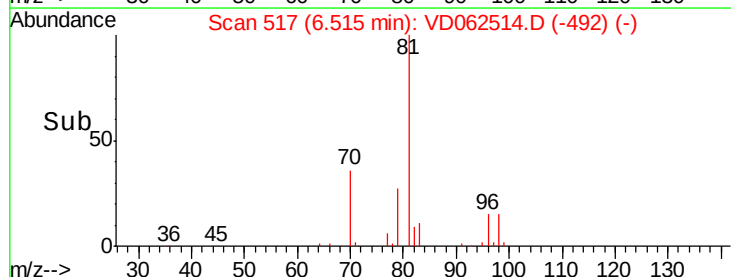
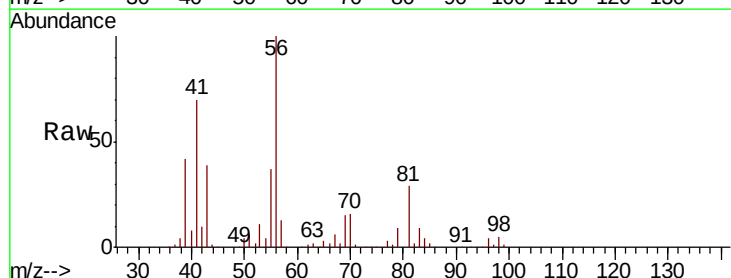
Instrument :
MSVOA_D
ClientSampleId :

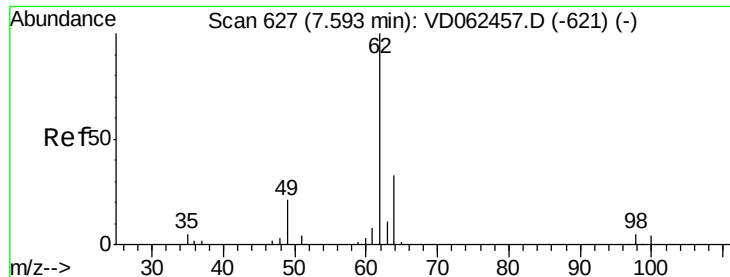
Tot Ion: 78 Resp: 3542354
Ion Ratio Lower Upper
78 100
77 31.0 19.7 29.5#



#41
Methacrylonitrile
Concen: 807.117 ug/l
RT: 6.52 min Scan# 517
Delta R.T. 0.04 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

Tgt Ion: 41 Resp: 659075
Ion Ratio Lower Upper
41 100
39 59.8 34.1 51.1#
67 9.2 23.8 35.6#
52 3.1 8.8 13.2#

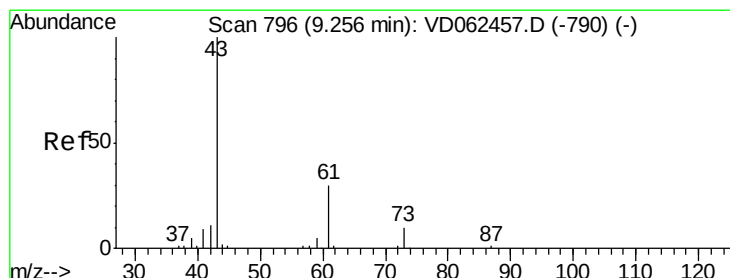
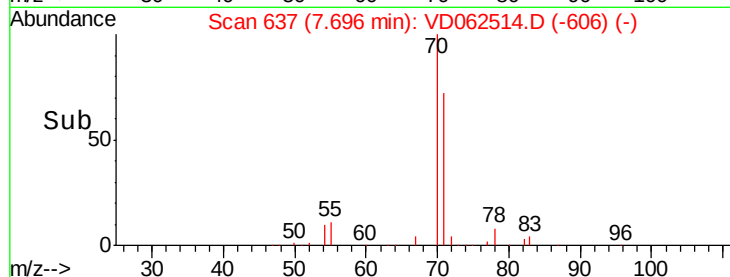
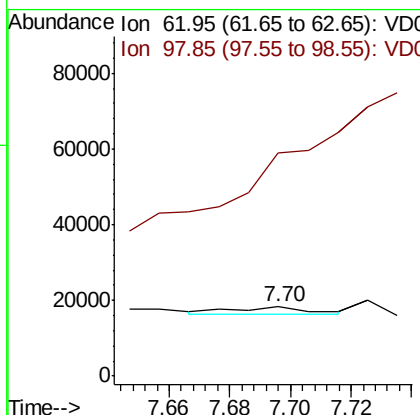
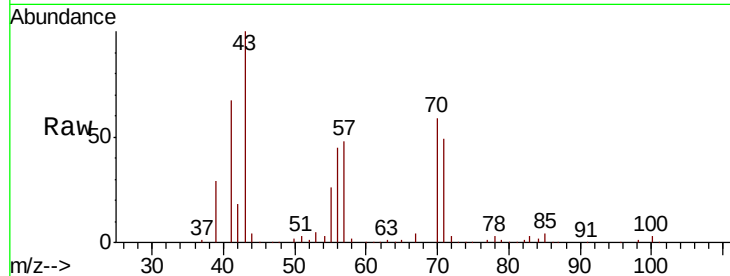




#42
 1,2-Dichloroethane
 Concen: 1.941 ug/l
 RT: 7.70 min Scan# 637
 Delta R.T. 0.10 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

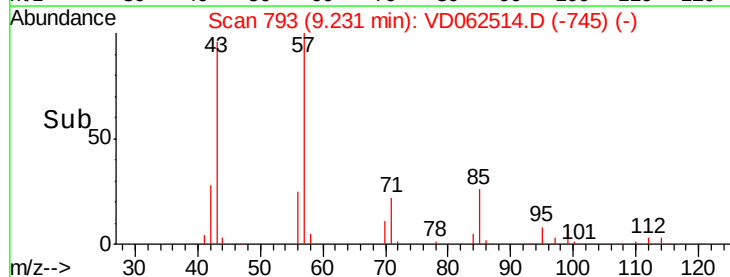
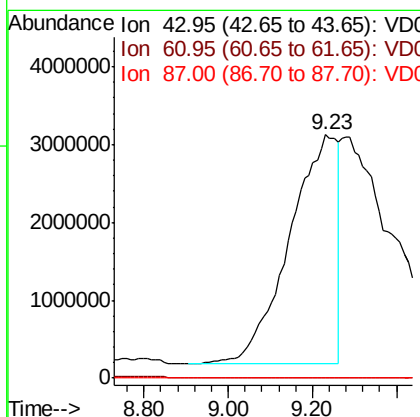
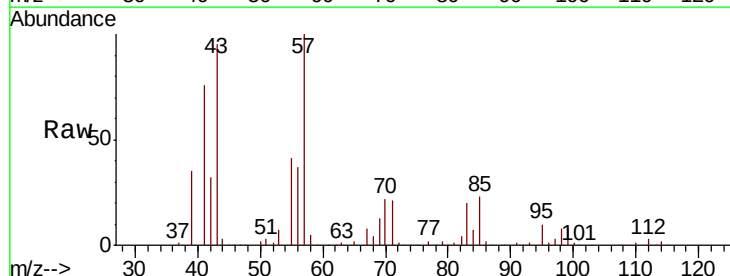
Instrument :
 MSVOA_D
 ClientSampleId :

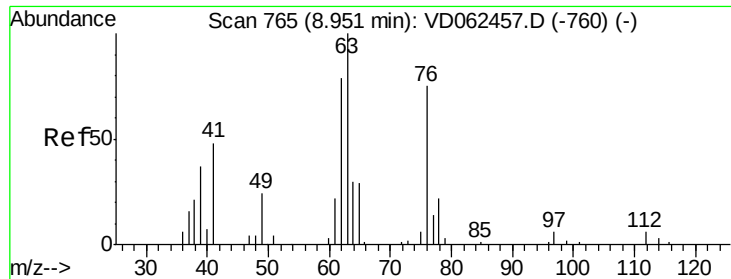
Tot Ion: 62 Resp: 3374
 Ion Ratio Lower Upper
 62 100
 98 321.2 0.0 17.8#



#43
 Isopropyl Acetate
 Concen: 26974.372 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.02 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

Tgt Ion: 43 Resp: 23266383
 Ion Ratio Lower Upper
 43 100
 61 0.1 25.1 37.7#
 87 0.1 0.0 0.0#

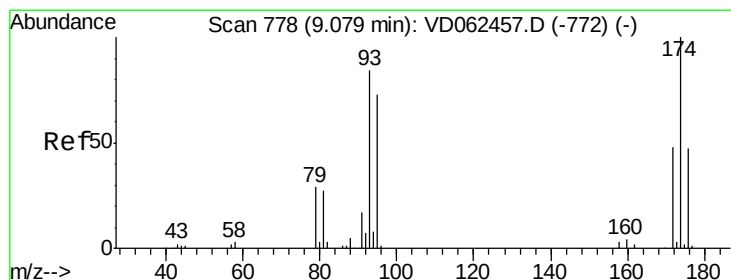
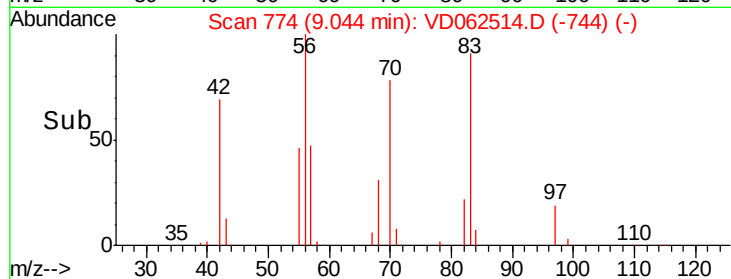
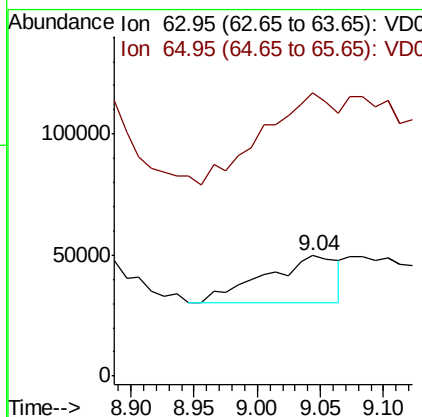
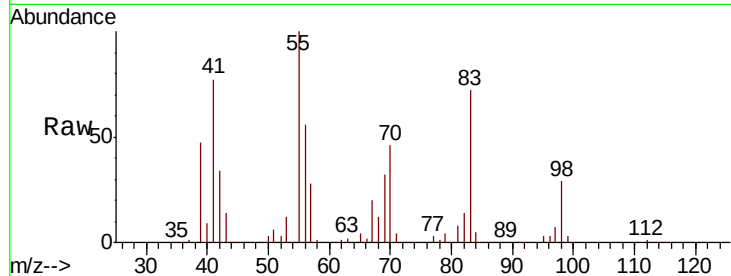




#45
 1,2-Dichloropropane
 Concen: 98.874 ug/l
 RT: 9.04 min Scan# 774
 Delta R.T. 0.09 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

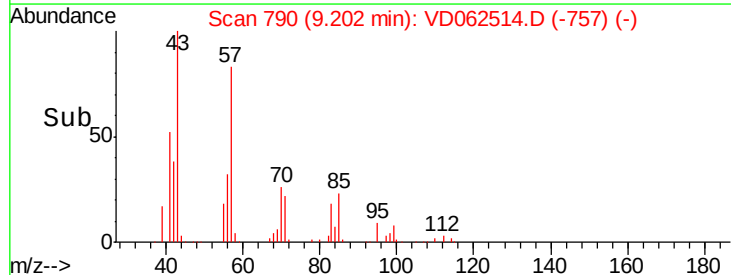
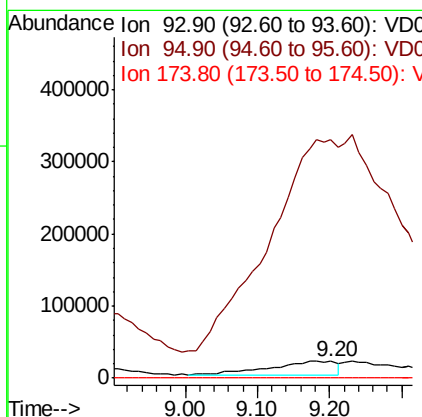
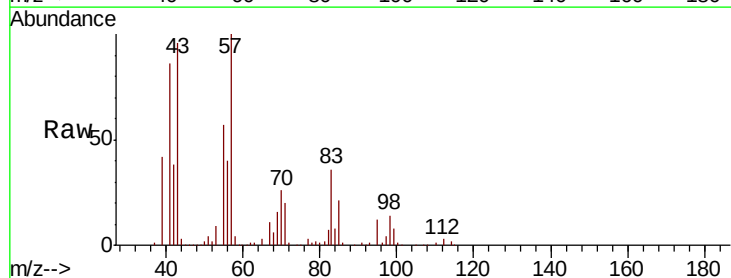
Instrument :
 MSVOA_D
 ClientSampleId :

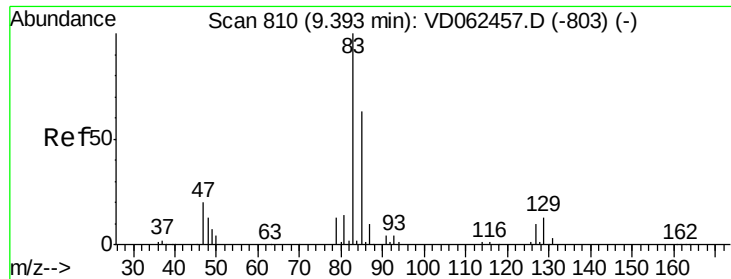
Tot Ion: 63 Resp: 79102
 Ion Ratio Lower Upper
 63 100
 65 235.2 23.8 35.6#



#46
 Dibromomethane
 Concen: 161.292 ug/l
 RT: 9.20 min Scan# 790
 Delta R.T. 0.12 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

Tgt Ion: 93 Resp: 116969
 Ion Ratio Lower Upper
 93 100
 95 1408.8 64.8 97.2#
 174 0.0 79.3 118.9#





#47

Bromodichloromethane

Concen: 1961.280 ug/l

RT: 9.58 min Scan# 828

Delta R.T. 0.18 min

Lab File: VD062514.D

Acq: 22 May 2019 20:23

Instrument :

MSVOA_D

ClientSampled :

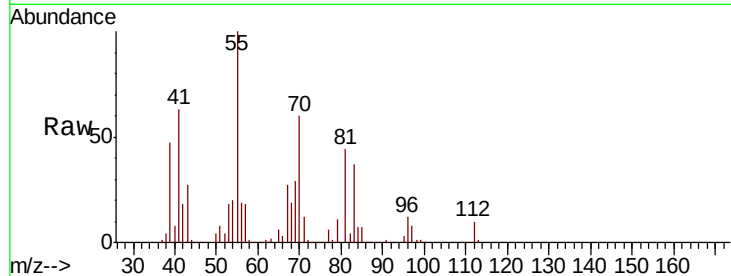
Tot Ion: 83 Resp: 3618254

Ion Ratio Lower Upper

83 100

85 19.1 50.9 76.3#

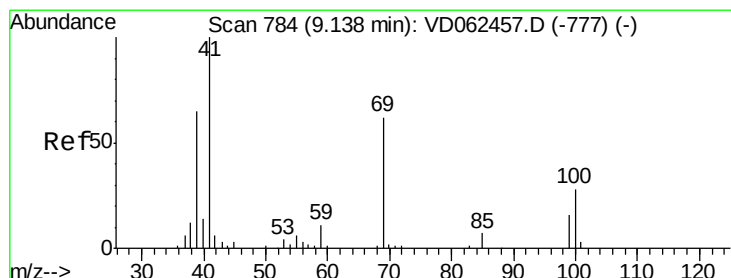
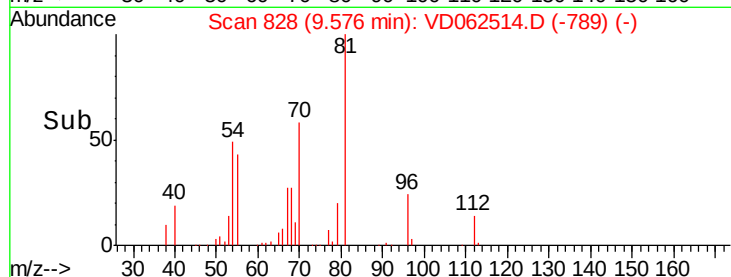
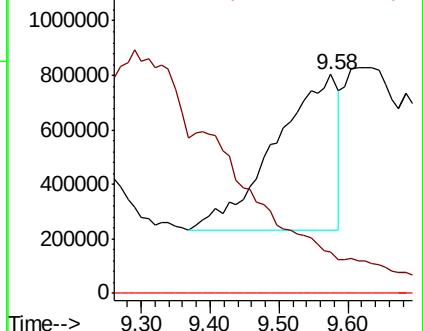
127 0.0 8.1 12.1#



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 11309.214 ug/l

RT: 9.15 min Scan# 785

Delta R.T. 0.01 min

Lab File: VD062514.D

Acq: 22 May 2019 20:23

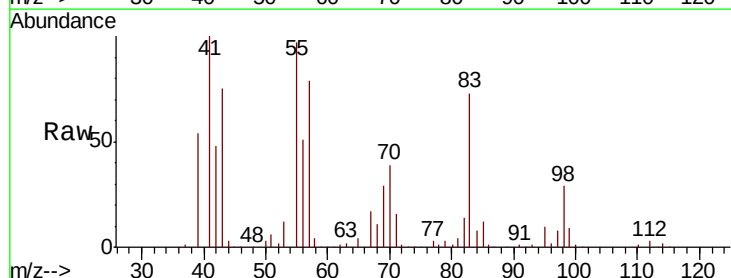
Tgt Ion: 41 Resp: 6564357

Ion Ratio Lower Upper

41 100

69 28.9 64.2 96.2#

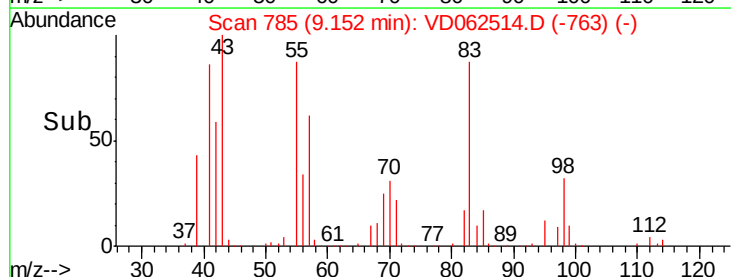
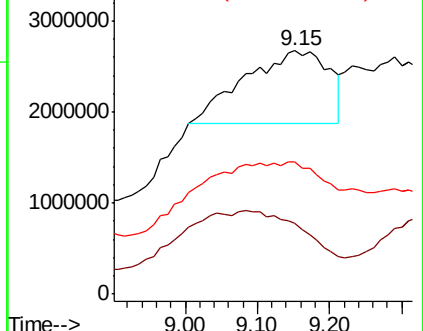
39 54.3 46.8 70.2

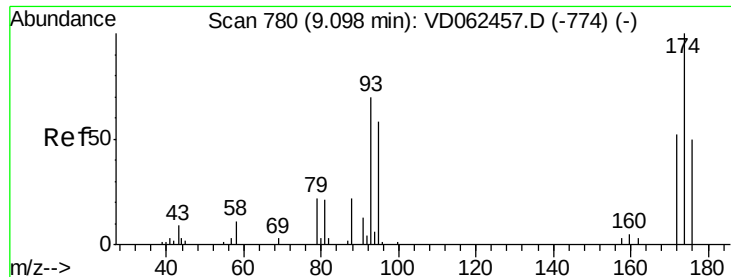


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

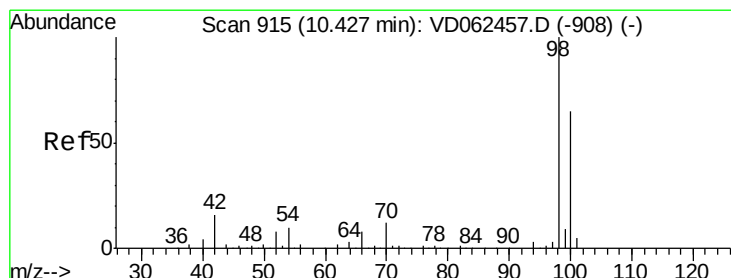
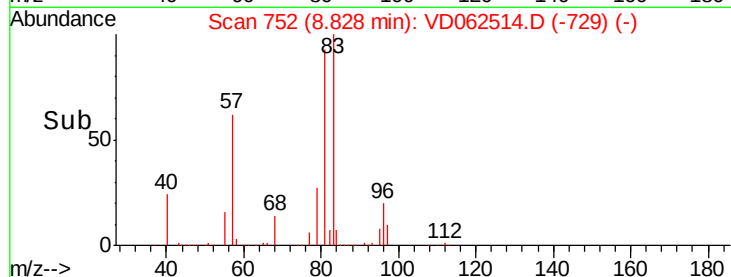
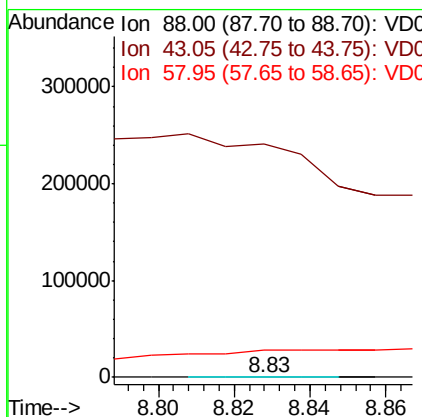
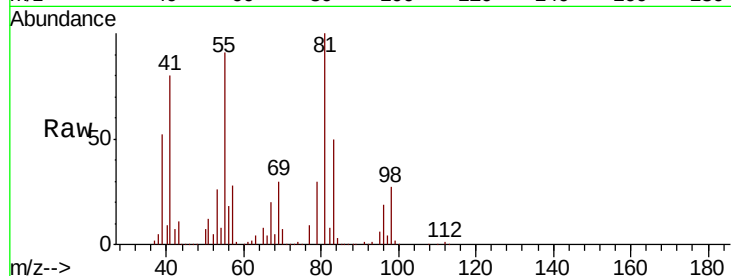




#49
 1,4-Dioxane
 Concen: 36.109 ug/l
 RT: 8.83 min Scan# 752
 Delta R.T. -0.27 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

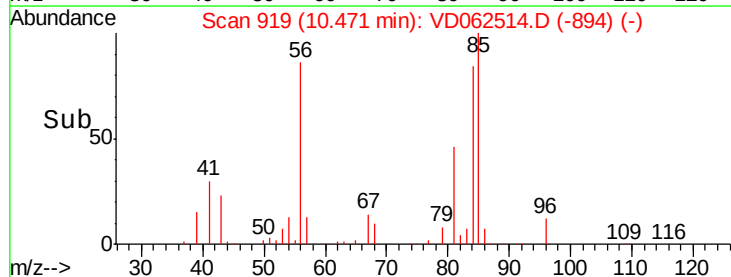
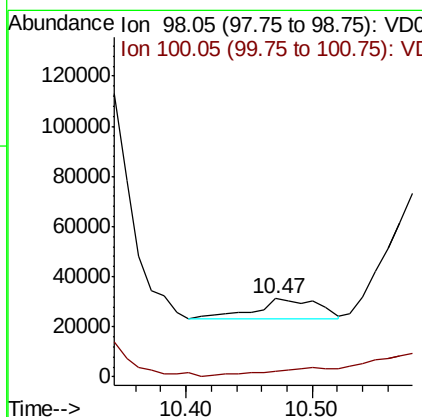
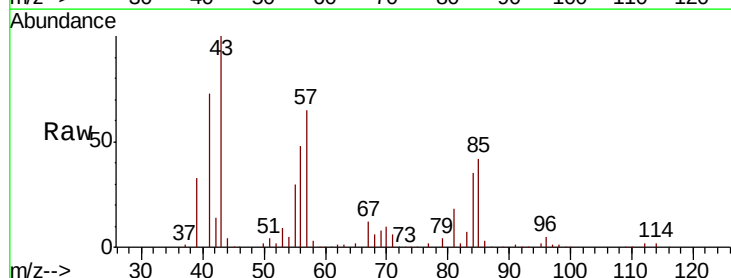
Instrument :
 MSVOA_D
 ClientSampleId :

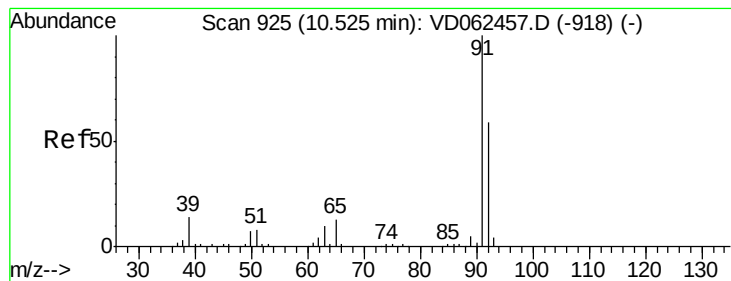
Tot Ion: 88 Resp: 188
 Ion Ratio Lower Upper
 88 100
 43 75854.1 23.4 35.0#
 58 8847.8 44.0 66.0#



#50
 Toluene-d8
 Concen: 8.173 ug/l
 RT: 10.47 min Scan# 919
 Delta R.T. 0.04 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

Tgt Ion: 98 Resp: 28245
 Ion Ratio Lower Upper
 98 100
 100 7.7 53.8 80.8#





#52

Toluene

Concen: 658.369 ug/l

RT: 10.73 min Scan# 945

Delta R.T. 0.20 min

Lab File: VD062514.D

Acq: 22 May 2019 20:23

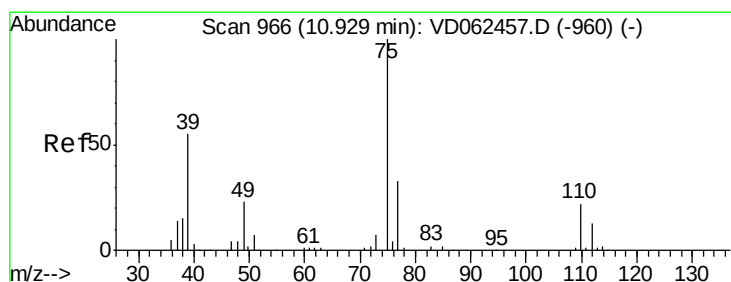
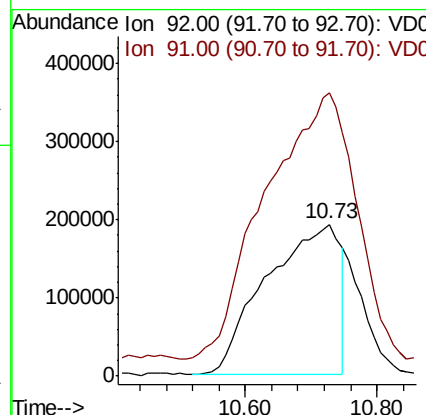
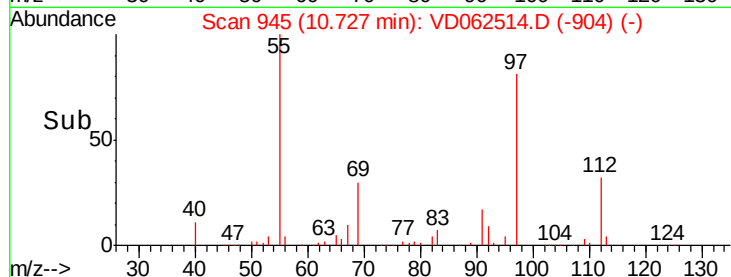
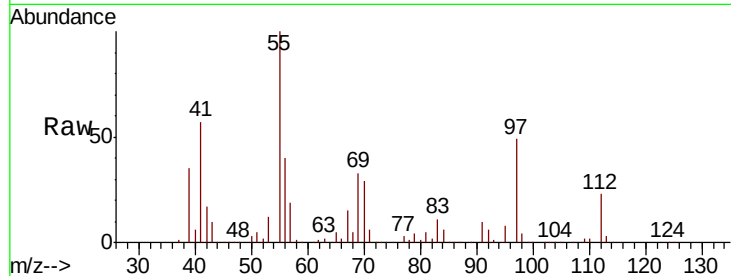
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 92 Resp: 1479623

Ion Ratio Lower Upper

92 100

91 186.5 136.6 204.8



#53

t-1,3-Dichloropropene

Concen: 3.119 ug/l

RT: 10.94 min Scan# 967

Delta R.T. 0.01 min

Lab File: VD062514.D

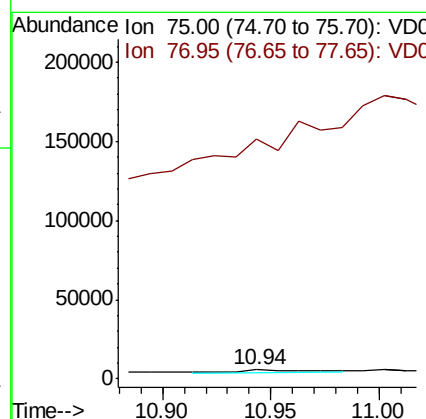
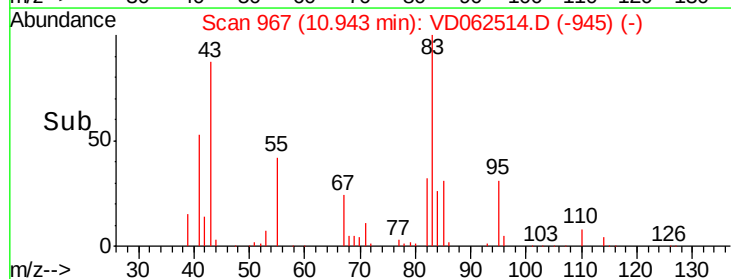
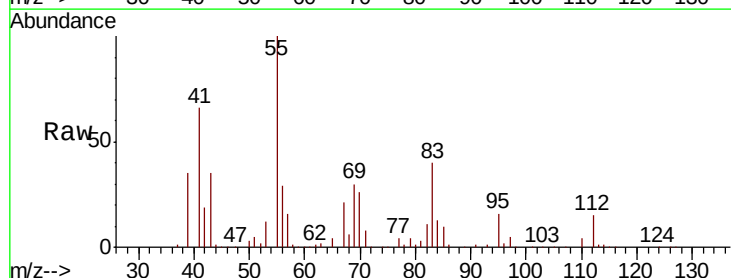
Acq: 22 May 2019 20:23

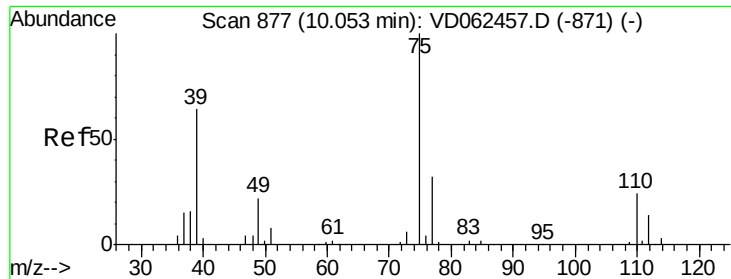
Tgt Ion: 75 Resp: 4791

Ion Ratio Lower Upper

75 100

77 2714.2 25.8 38.8#



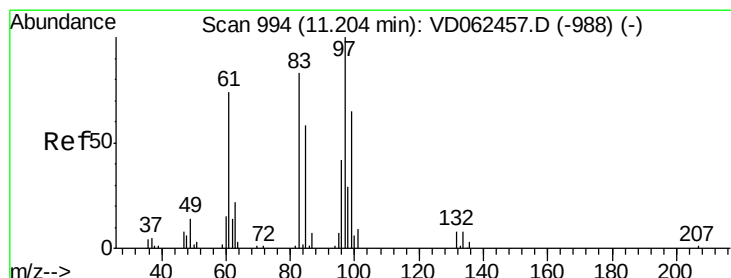
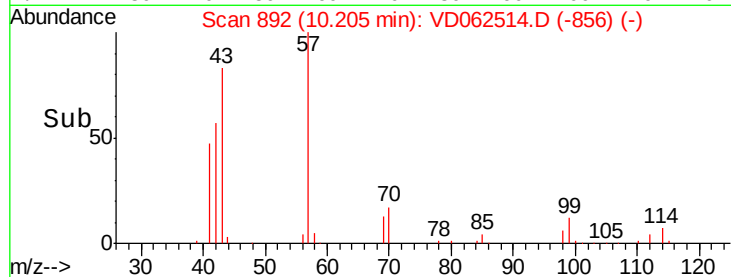
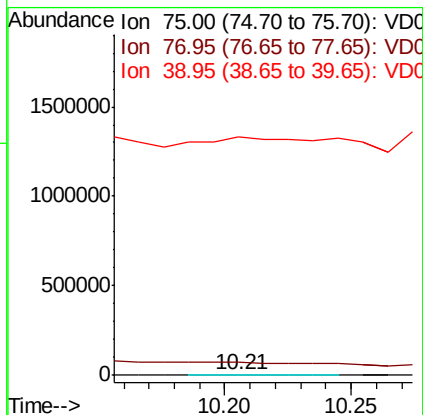
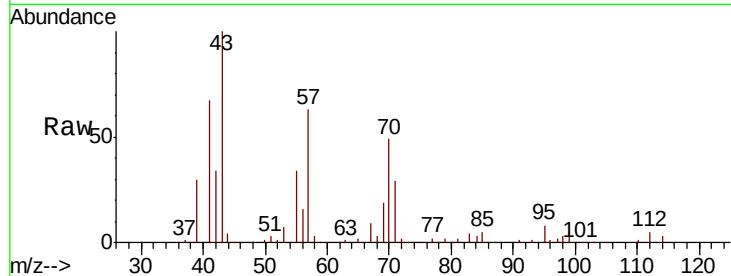


#54

cis-1,3-Dichloropropene
 Concen: 1.263 ug/l
 RT: 10.21 min Scan# 892
 Delta R.T. 0.15 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

Instrument :
 MSVOA_D
 ClientSampleId :

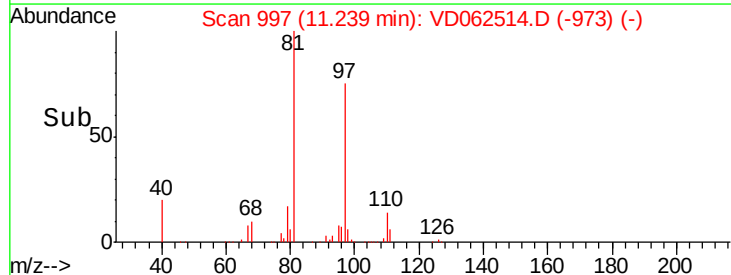
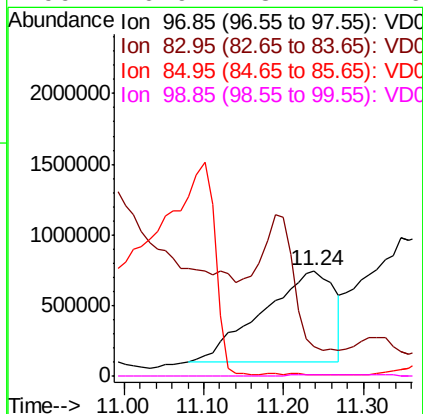
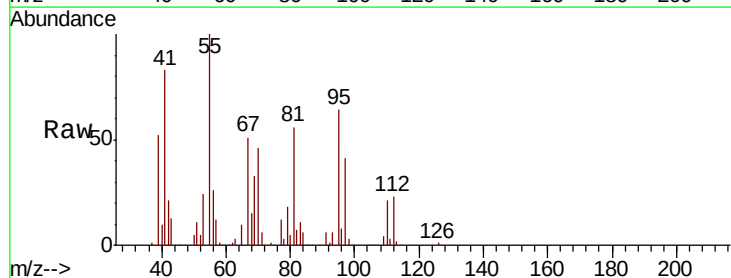
Tot Ion: 75 Resp: 2024
 Ion Ratio Lower Upper
 75 100
 77 2608.4 25.5 38.3#
 39 45833.7 39.4 59.2#

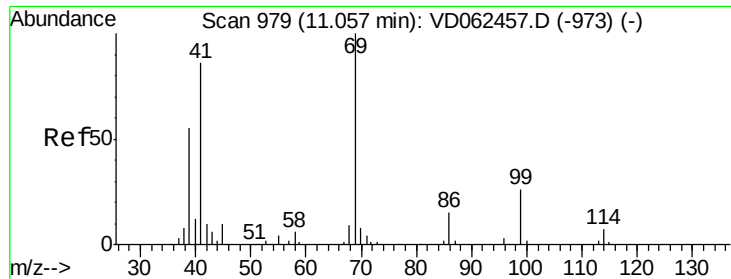


#55

1,1,2-Trichloroethane
 Concen: 5272.047 ug/l
 RT: 11.24 min Scan# 997
 Delta R.T. 0.03 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

Tgt Ion: 97 Resp: 4015657
 Ion Ratio Lower Upper
 97 100
 83 27.8 65.7 98.5#
 85 1.1 45.6 68.4#
 99 0.9 48.4 72.6#





#56

Ethyl methacrylate

Concen: 14267.774 ug/l

RT: 11.16 min Scan# 989

Delta R.T. 0.10 min

Lab File: VD062514.D

Acq: 22 May 2019 20:23

Instrument :

MSVOA_D

ClientSampled :

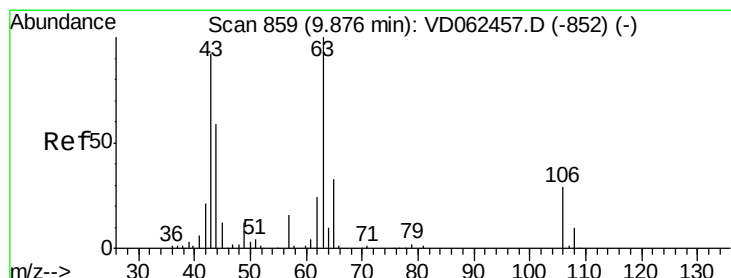
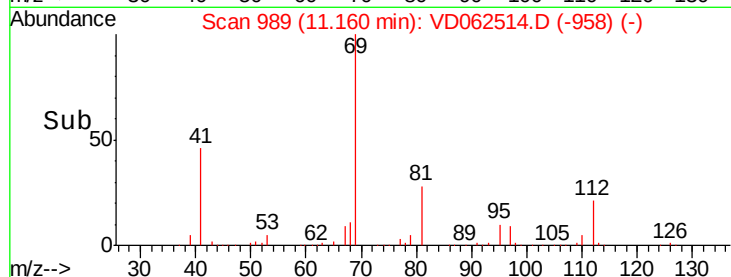
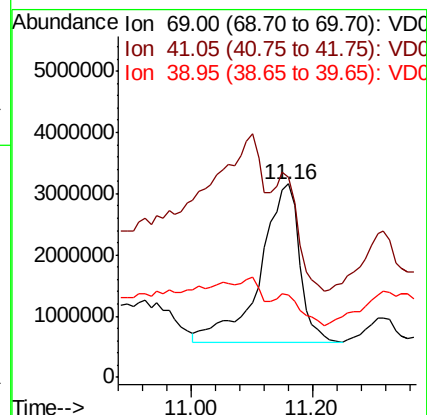
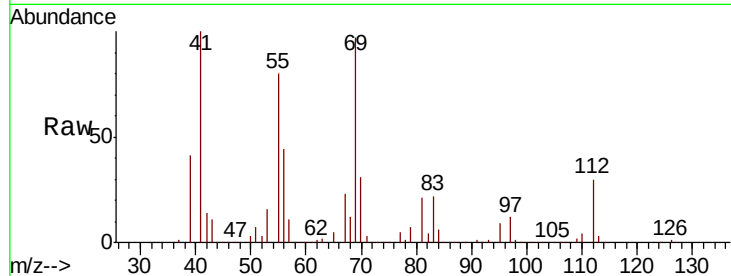
Tot Ion: 69 Resp: 11617774

Ion Ratio Lower Upper

69 100

41 103.3 56.3 84.5#

39 42.7 29.4 44.2



#58

2-Chloroethyl Vinyl ether

Concen: 1280.472 ug/l

RT: 9.90 min Scan# 861

Delta R.T. 0.02 min

Lab File: VD062514.D

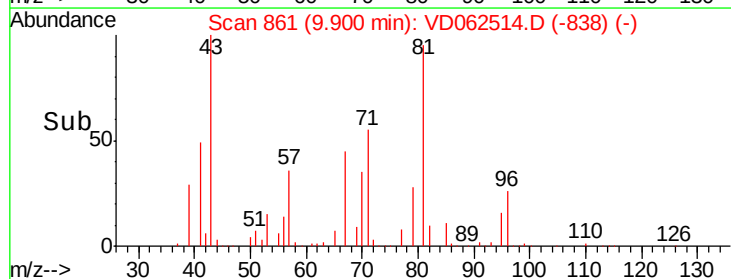
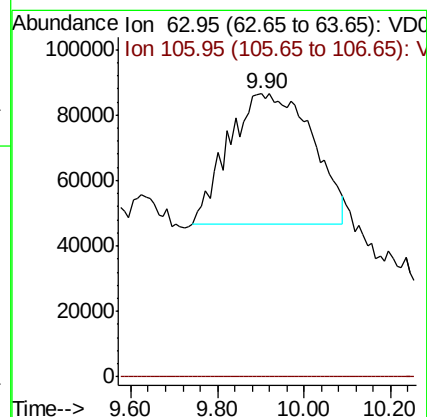
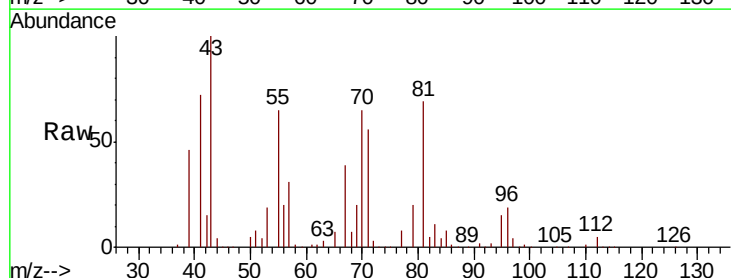
Acq: 22 May 2019 20:23

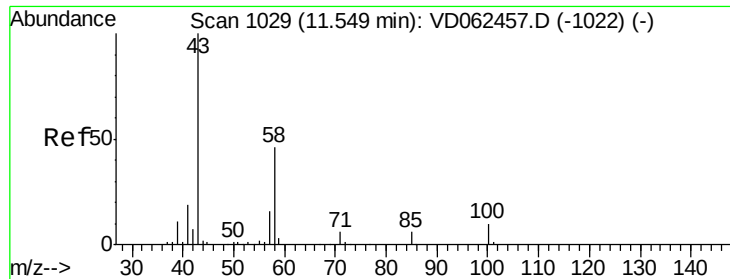
Tgt Ion: 63 Resp: 535389

Ion Ratio Lower Upper

63 100

106 0.0 22.6 34.0#

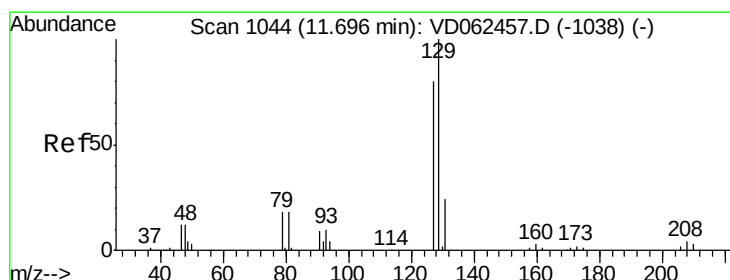
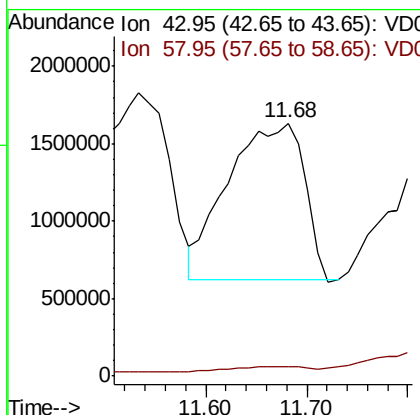
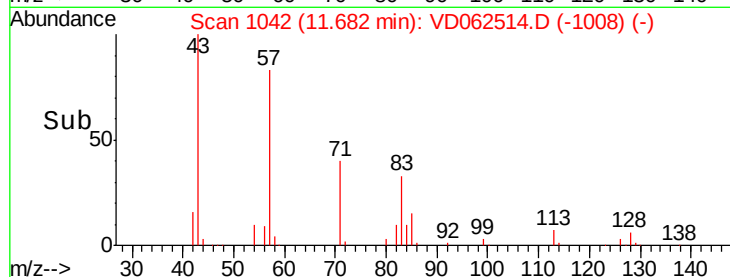
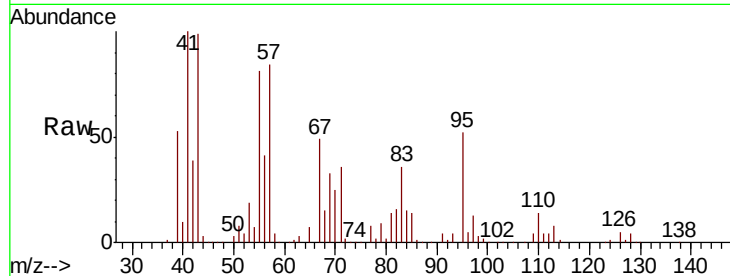




#59
2-Hexanone
Concen: 12813.060 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.13 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

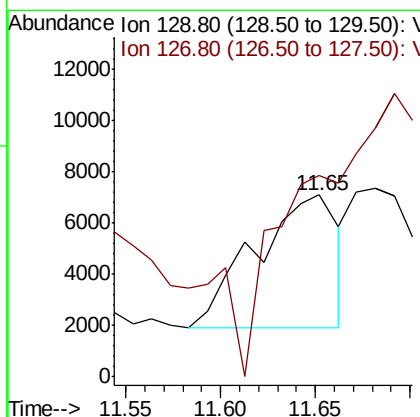
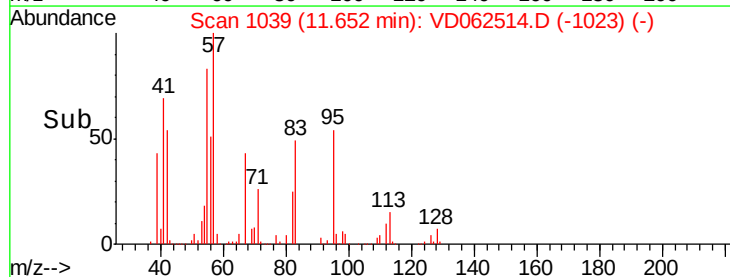
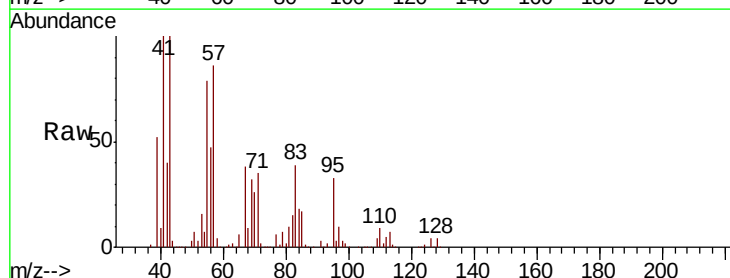
Instrument :
MSVOA_D
ClientSampled :

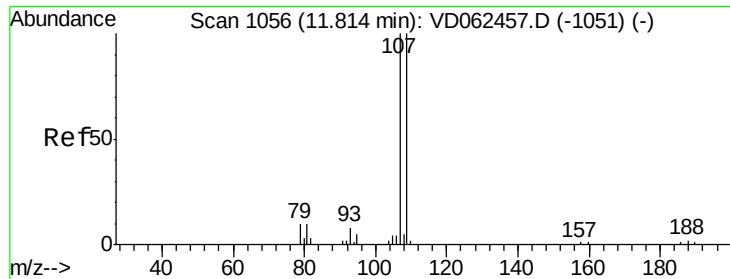
Tot Ion: 43 Resp: 5306226
Ion Ratio Lower Upper
43 100
58 3.9 25.4 76.4#



#60
Dibromochloromethane
Concen: 10.716 ug/l
RT: 11.65 min Scan# 1039
Delta R.T. -0.04 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

Tgt Ion: 129 Resp: 15677
Ion Ratio Lower Upper
129 100
127 111.3 38.0 113.9

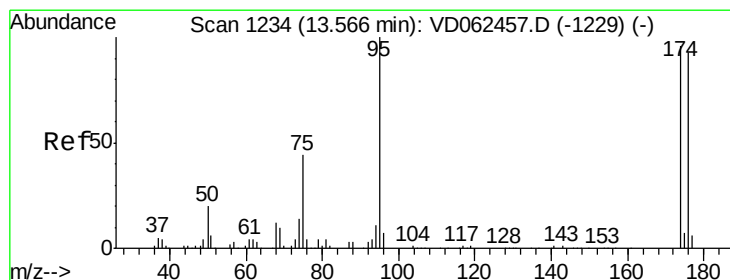
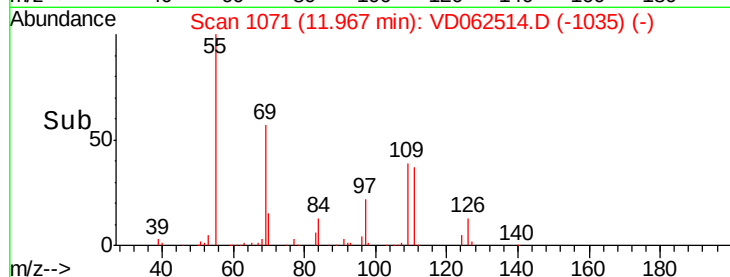
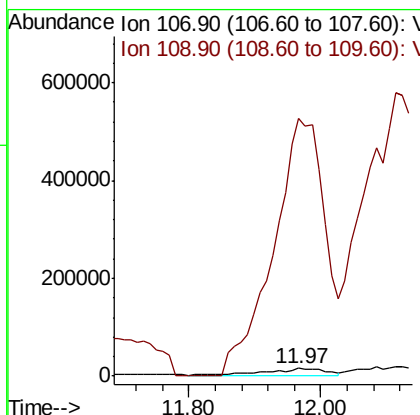
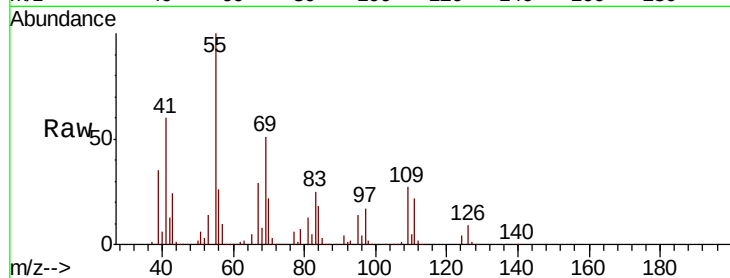




#61
 1,2-Dibromoethane
 Concen: 85.795 ug/l
 RT: 11.97 min Scan# 1071
 Delta R.T. 0.15 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

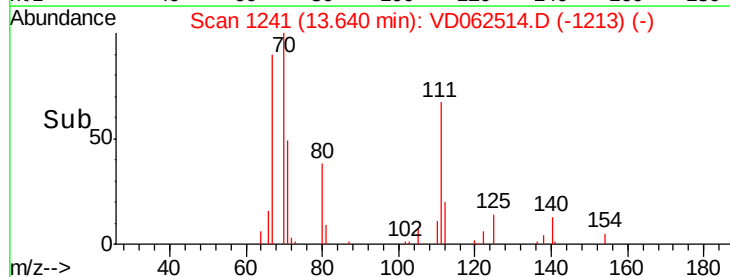
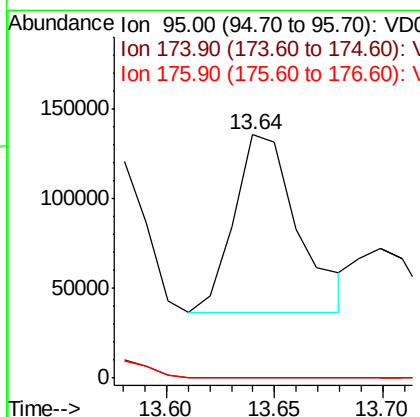
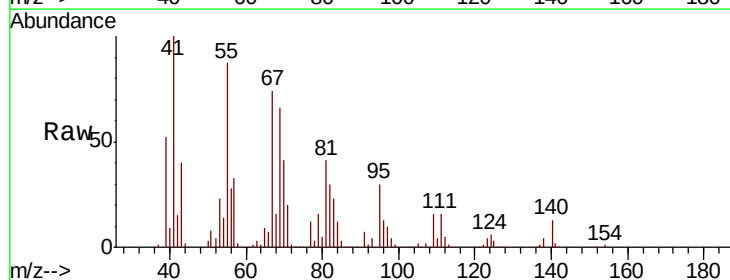
Instrument :
 MSVOA_D
 ClientSampled :

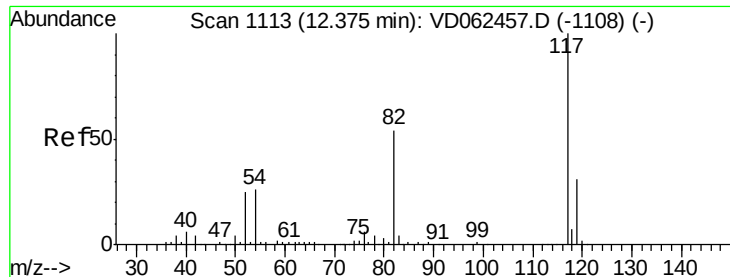
Tot Ion: 107 Resp: 80534
 Ion Ratio Lower Upper
 107 100
 109 3290.1 78.3 117.5#



#62
 4-Bromofluorobenzene
 Concen: 134.780 ug/l
 RT: 13.64 min Scan# 1241
 Delta R.T. 0.07 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

Tgt Ion: 95 Resp: 203754
 Ion Ratio Lower Upper
 95 100
 174 0.0 0.0 181.8
 176 0.0 0.0 174.4

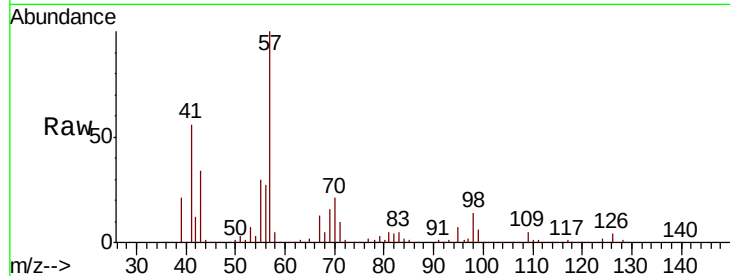




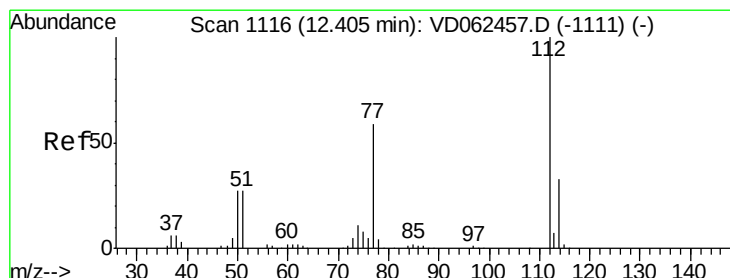
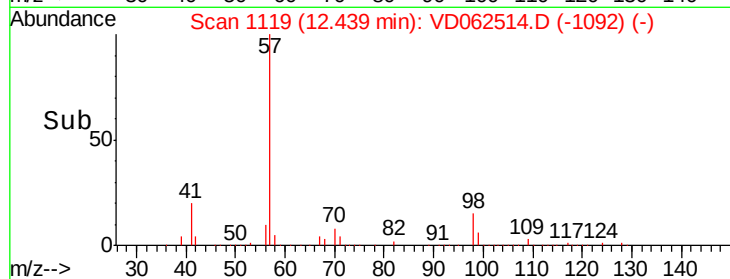
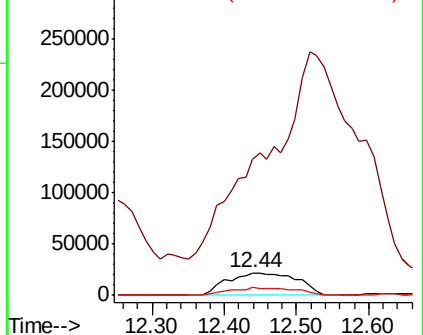
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.44 min Scan# 1119
Delta R.T. 0.06 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 147177
Ion Ratio Lower Upper
117 100
82 602.1 36.2 54.2#
119 36.0 26.2 39.4

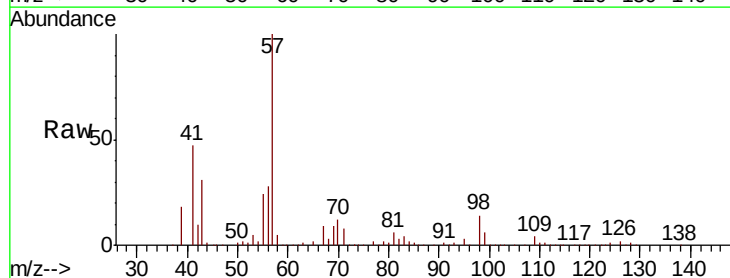


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

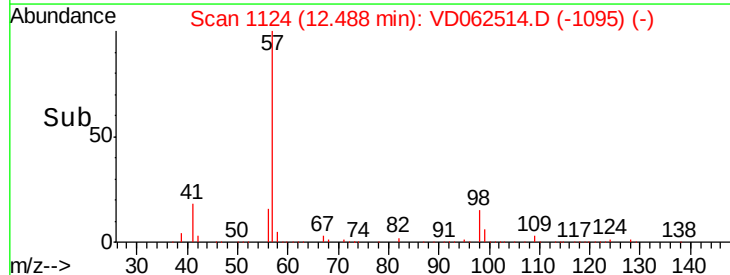
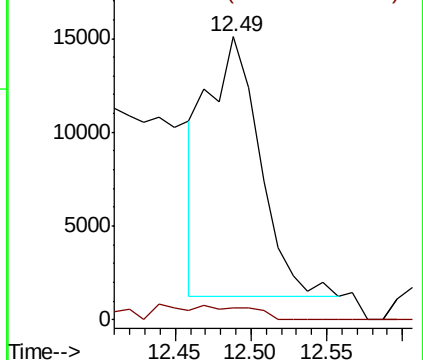


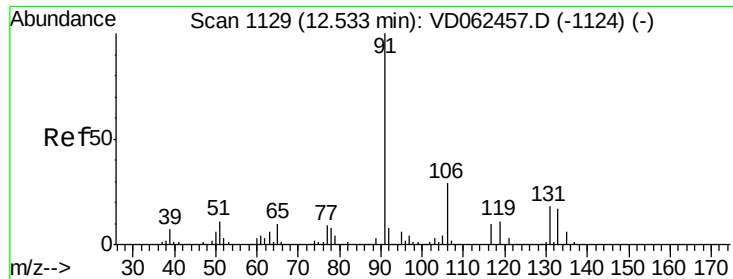
#65
Chlorobenzene
Concen: 11.991 ug/l
RT: 12.49 min Scan# 1124
Delta R.T. 0.08 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

Tgt Ion:112 Resp: 33939
Ion Ratio Lower Upper
112 100
114 6.6 25.8 38.8#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

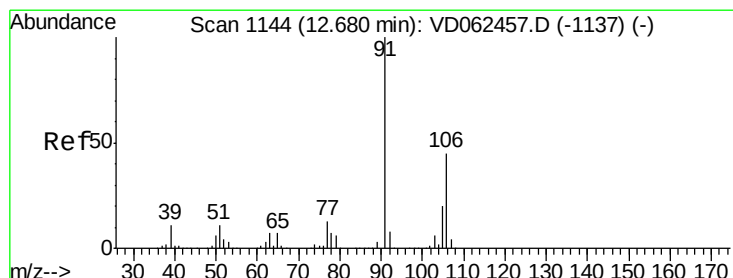
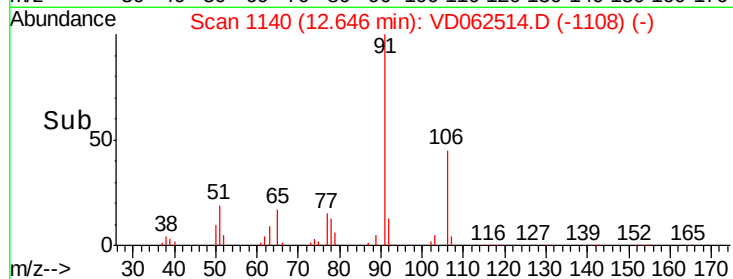
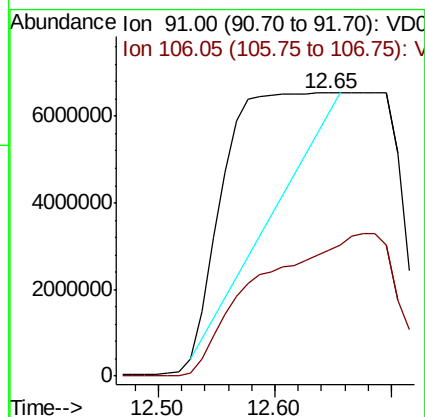
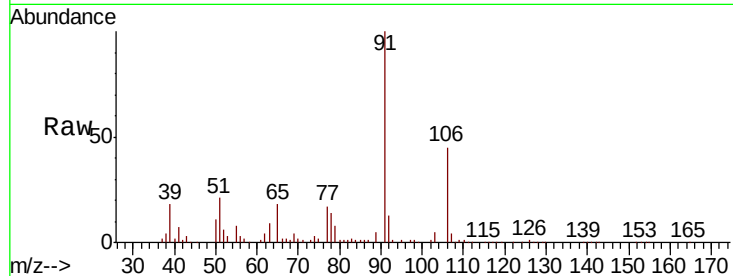




#67
Ethyl Benzene
Concen: 3531.603 ug/l
RT: 12.65 min Scan# 1140
Delta R.T. 0.11 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

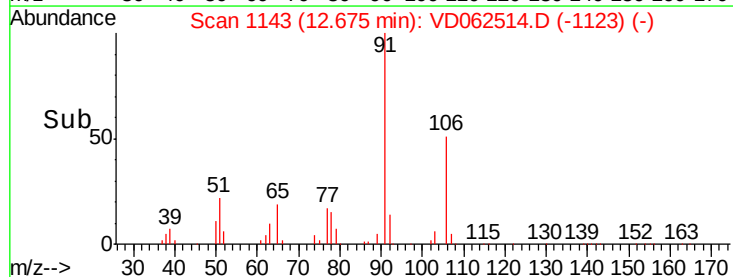
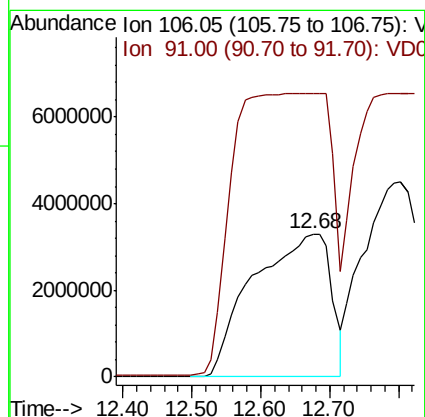
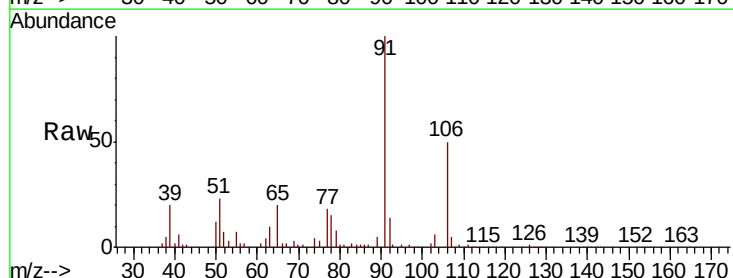
Instrument :
MSVOA_D
ClientSampleId :

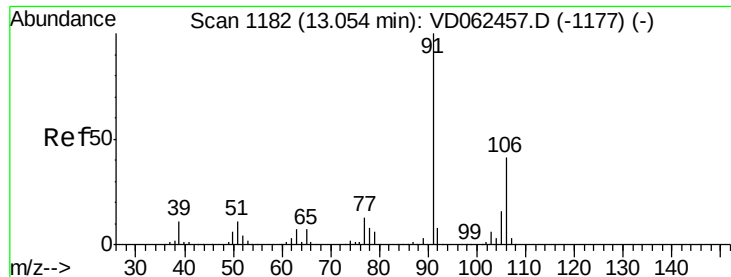
Tot Ion: 91 Resp:17216465
Ion Ratio Lower Upper
91 100
106 44.7 24.7 37.1#



#68
m/p-Xylenes
Concen: 14728.805 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

Tgt Ion:106 Resp:25774283
Ion Ratio Lower Upper
106 100
91 198.4 164.0 246.0

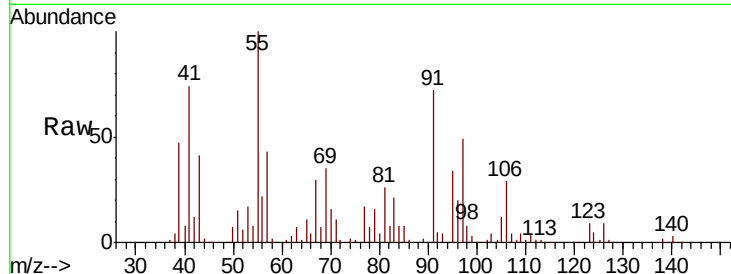




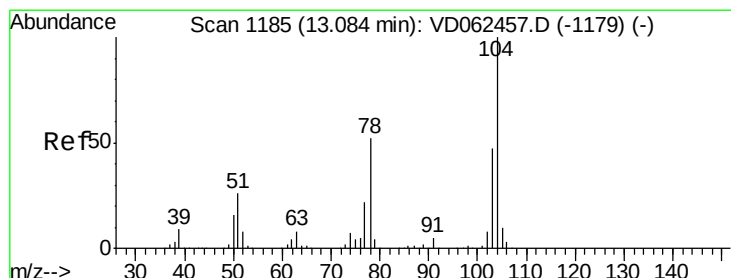
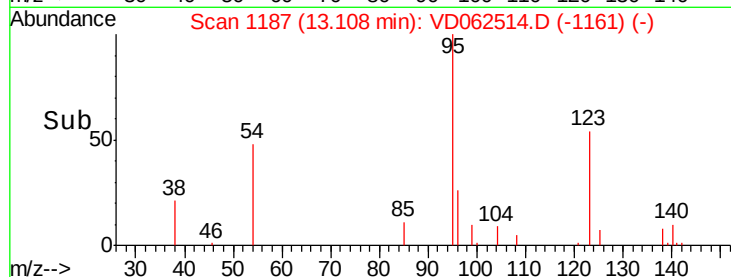
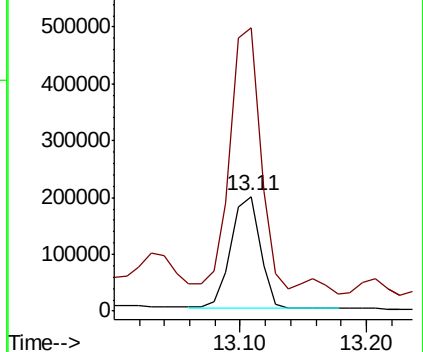
#69
o-Xylene
Concen: 191.884 ug/l
RT: 13.11 min Scan# 1187
Delta R.T. 0.05 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 316819
Ion Ratio Lower Upper
106 100
91 246.9 106.7 319.9

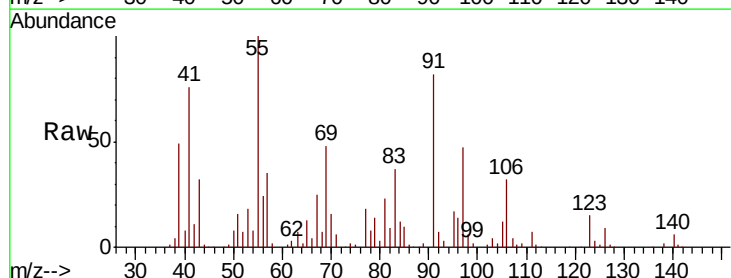


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

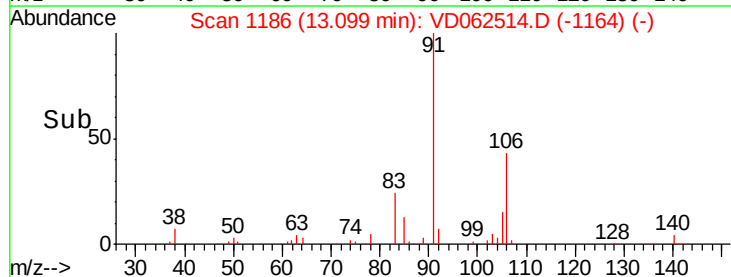
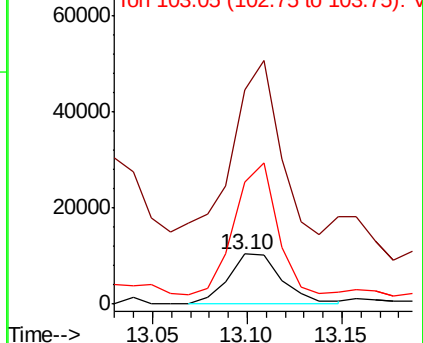


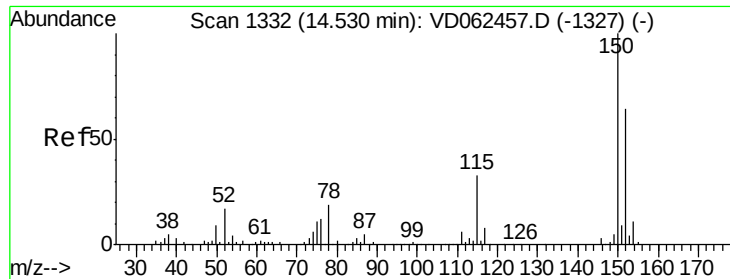
#70
Styrene
Concen: 7.353 ug/l
RT: 13.10 min Scan# 1186
Delta R.T. 0.01 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

Tgt Ion:104 Resp: 20653
Ion Ratio Lower Upper
104 100
78 428.9 35.4 53.2#
103 244.2 37.5 56.3#



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



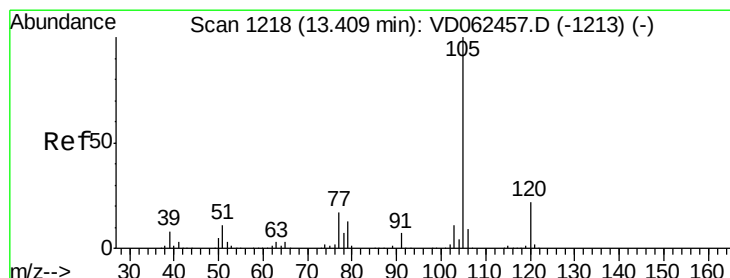
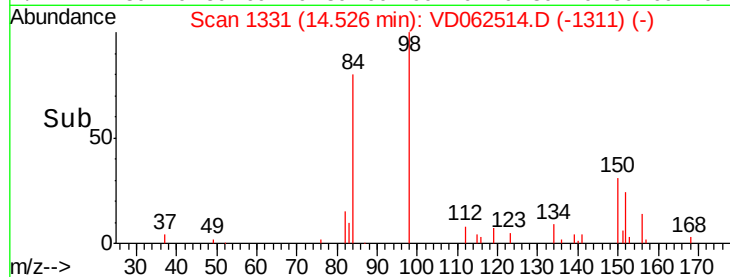
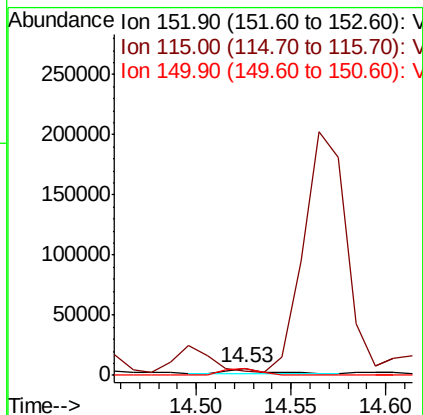
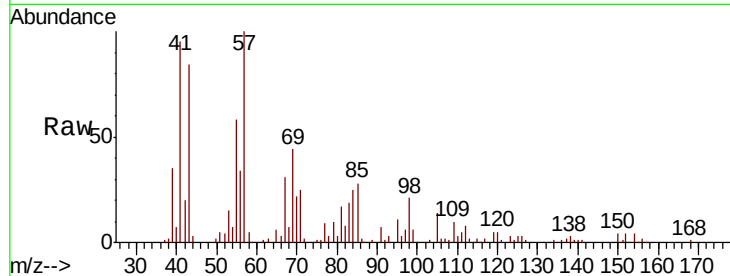


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

Instrument :
MSVOA_D
ClientSampled :

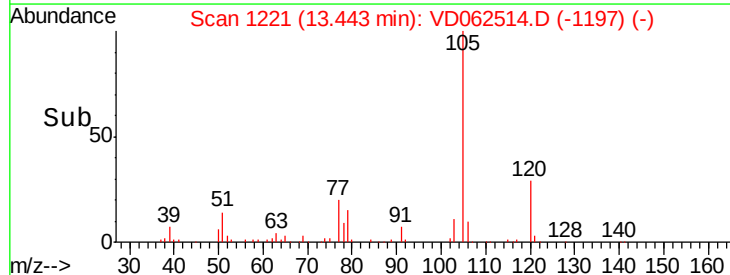
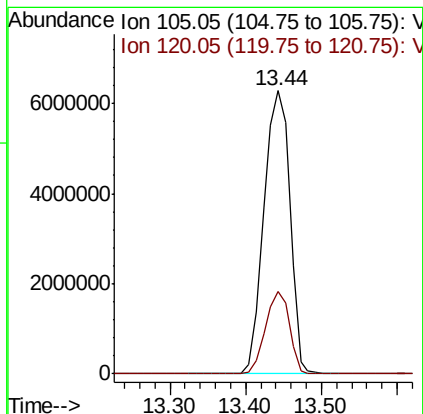
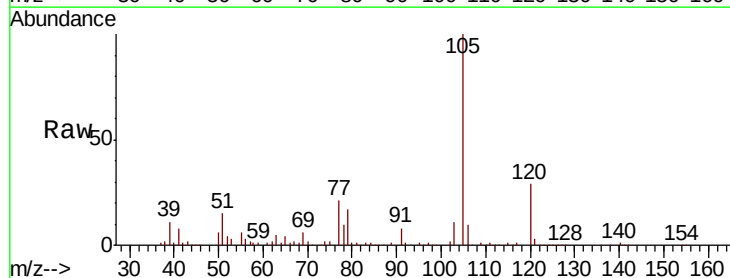
Tot Ion:152 Resp: 6555
Ion Ratio Lower Upper
152 100
115 58.6 30.9 92.7
150 102.7 0.0 314.8

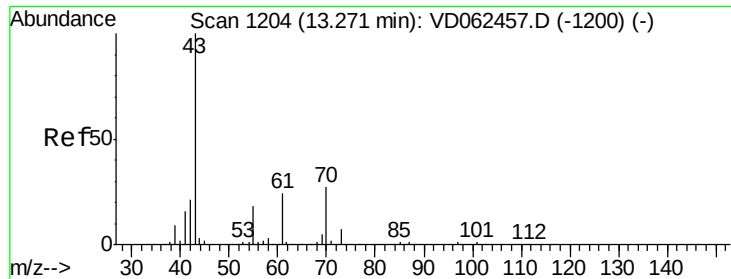


#73

Isopropylbenzene
Concen: 36345.911 ug/l
RT: 13.44 min Scan# 1221
Delta R.T. 0.03 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

Tgt Ion:105 Resp:15017638
Ion Ratio Lower Upper
105 100
120 29.2 12.0 36.1





#74

N-amvl acetate

Concen: 14489.334 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062514.D

Acq: 22 May 2019 20:23

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 1478637

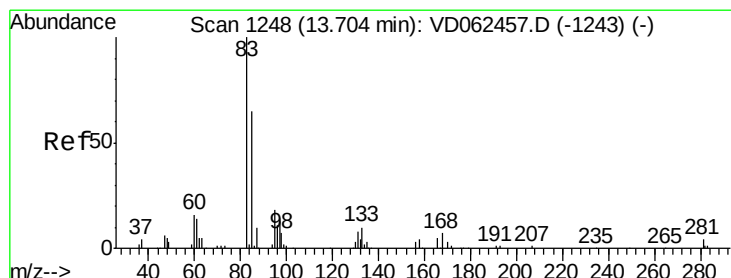
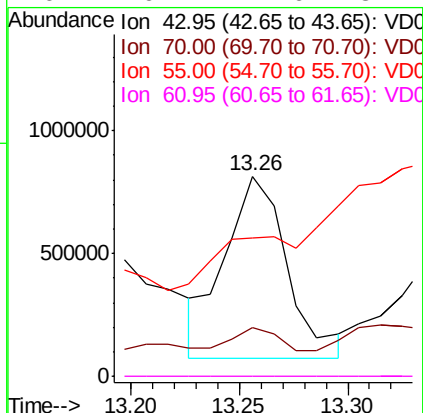
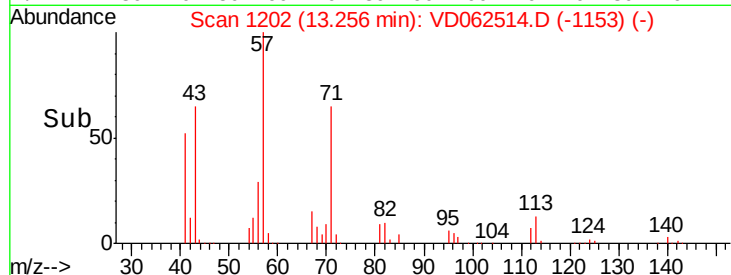
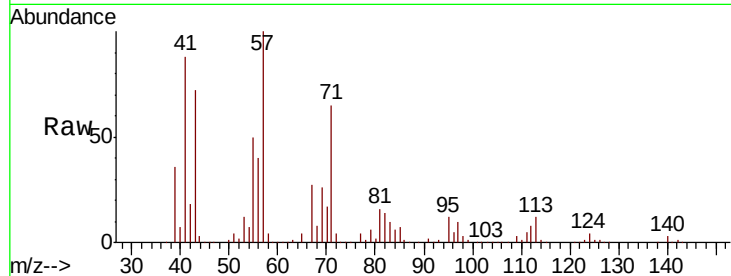
Ion Ratio Lower Upper

43 100

70 24.1 24.2 36.4#

55 69.4 16.0 24.0#

61 0.2 21.6 32.4#



#75

1,1,2,2-Tetrachloroethane

Concen: 1771.379 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062514.D

Acq: 22 May 2019 20:23

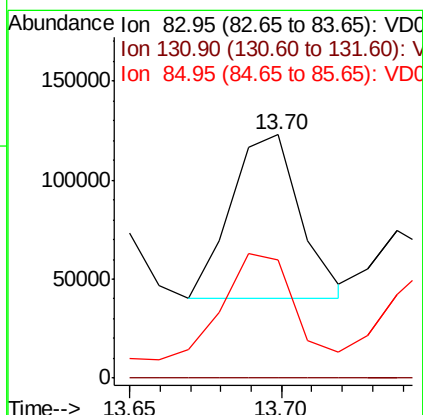
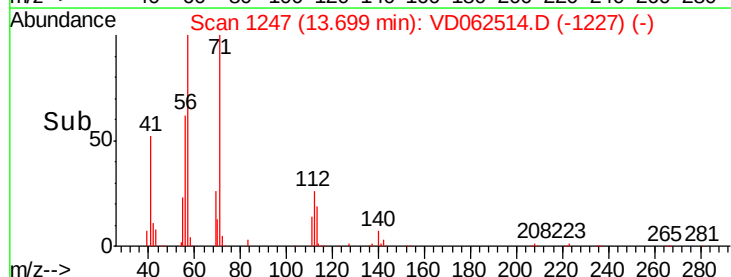
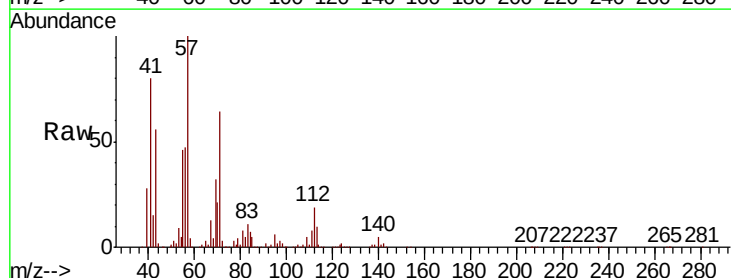
Tgt Ion: 83 Resp: 132042

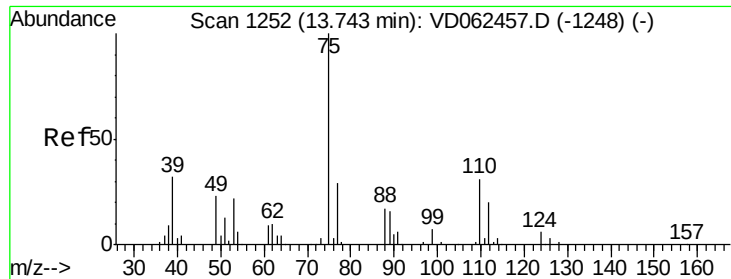
Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 48.4 32.6 97.7

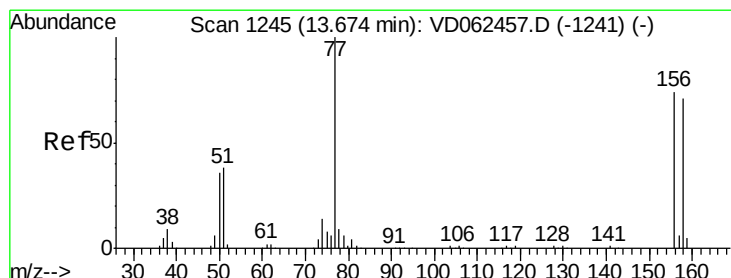
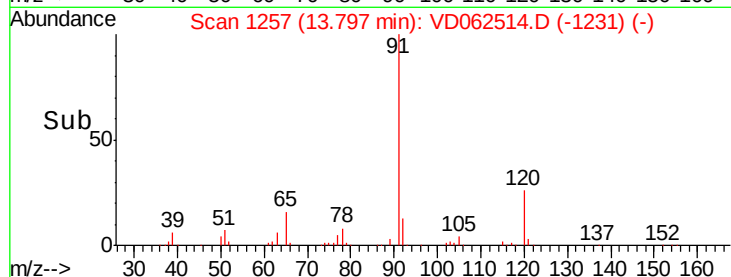
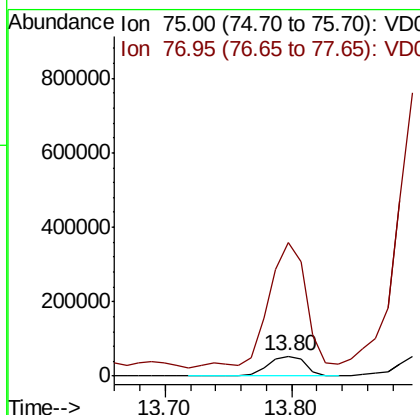
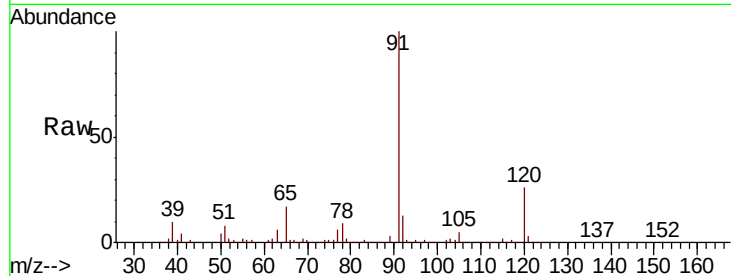




#76
 1,2,3-Trichloropropane
 Concen: 1414.502 ug/l
 RT: 13.80 min Scan# 1257
 Delta R.T. 0.05 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

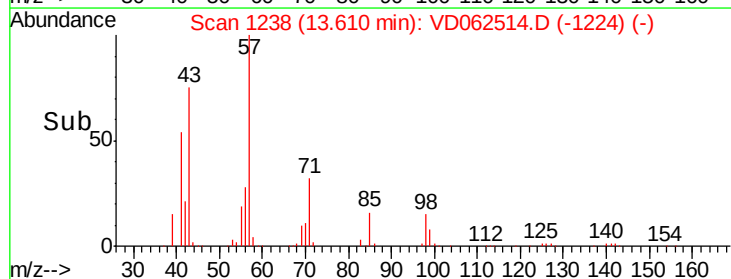
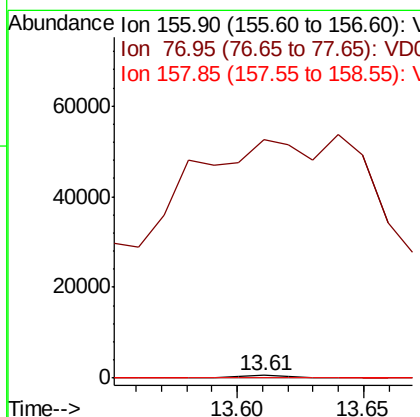
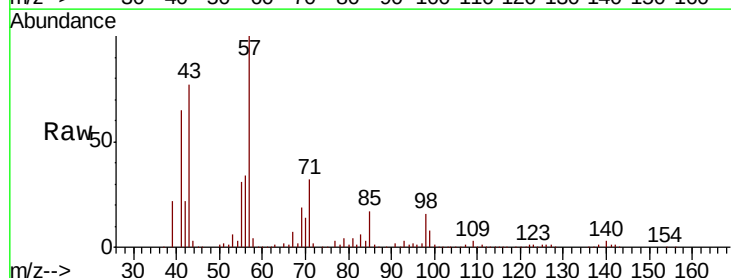
Instrument :
 MSVOA_D
 ClientSampled :

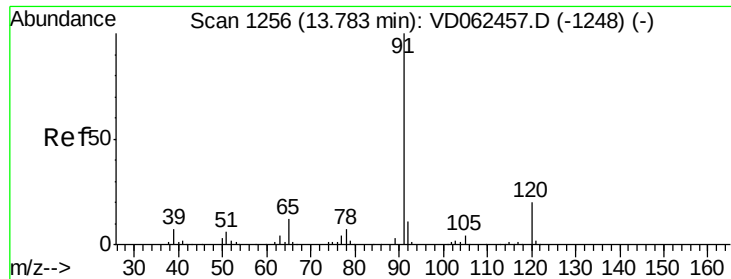
Tot Ion: 75 Resp: 109214
 Ion Ratio Lower Upper
 75 100
 77 662.8 16.4 49.4#



#77
 Bromobenzene
 Concen: 6.680 ug/l
 RT: 13.61 min Scan# 1238
 Delta R.T. -0.06 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

Tgt Ion: 156 Resp: 783
 Ion Ratio Lower Upper
 156 100
 77 9094.3 53.1 159.4#
 158 0.0 49.4 148.0#





#78

n-propylbenzene

Concen: 28215.710 ug/l

RT: 13.80 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VD062514.D

Acq: 22 May 2019 20:23

Instrument :

MSVOA_D

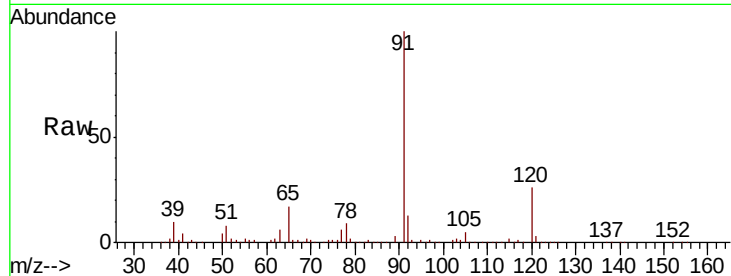
ClientSampleId :

Tot Ion: 91 Resp:13504256

Ion Ratio Lower Upper

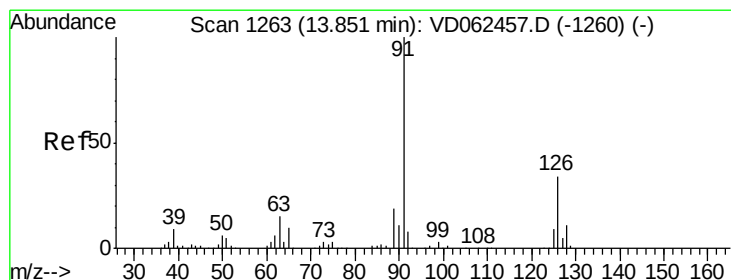
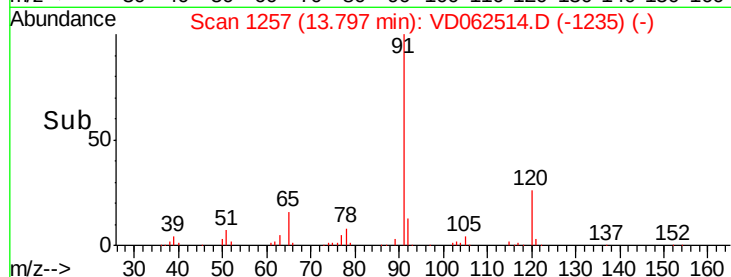
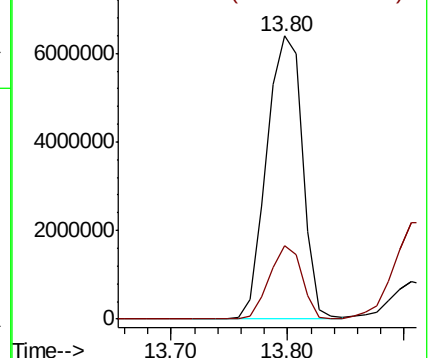
91 100

120 25.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 46494.523 ug/l

RT: 13.80 min Scan# 1257

Delta R.T. -0.05 min

Lab File: VD062514.D

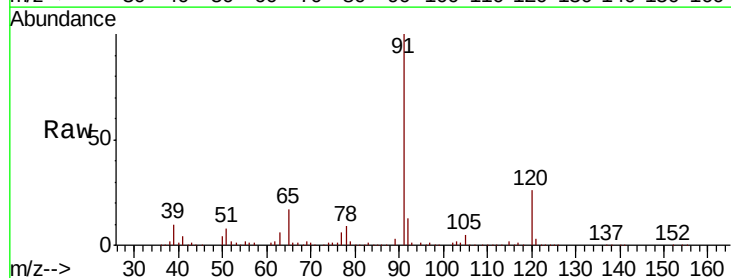
Acq: 22 May 2019 20:23

Tgt Ion: 91 Resp:13504256

Ion Ratio Lower Upper

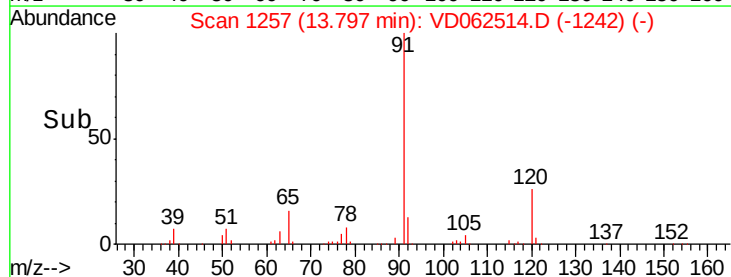
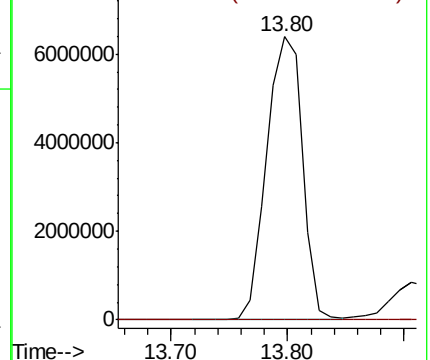
91 100

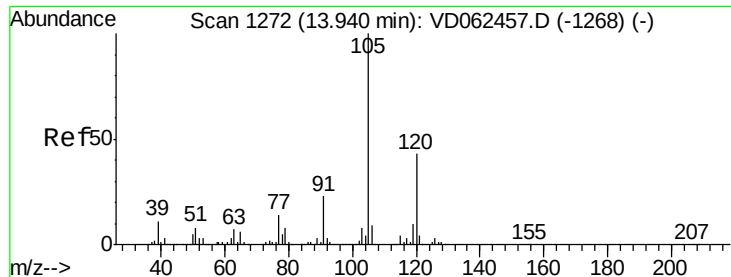
126 0.0 18.6 55.8#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

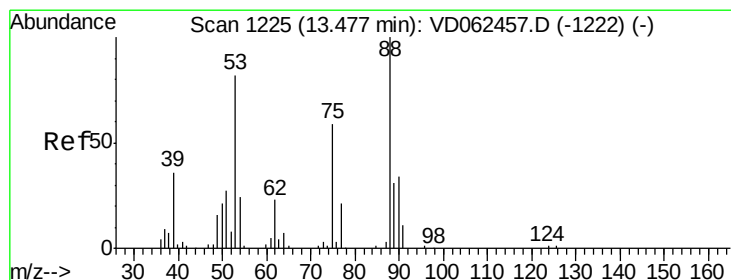
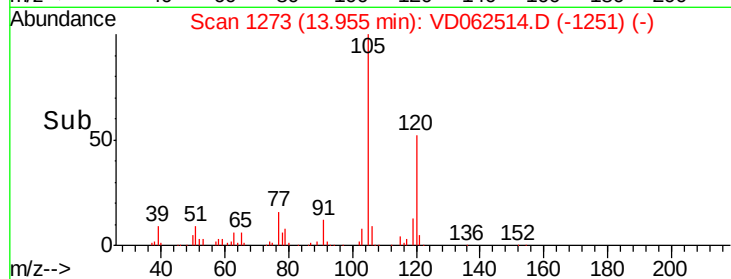
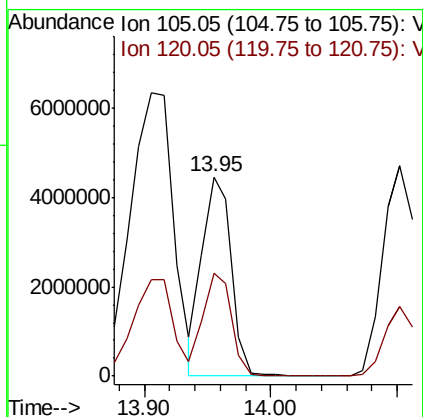
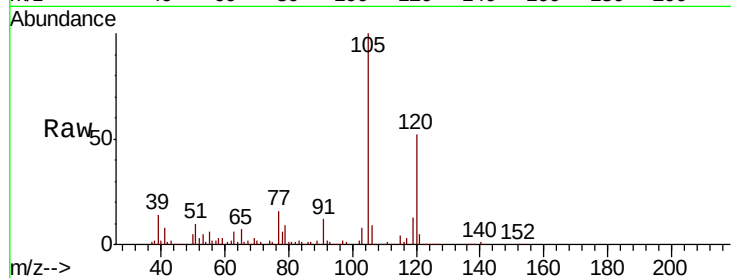




#80
 1,3,5-Trimethylbenzene
 Concen: 19926.093 ug/l
 RT: 13.95 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

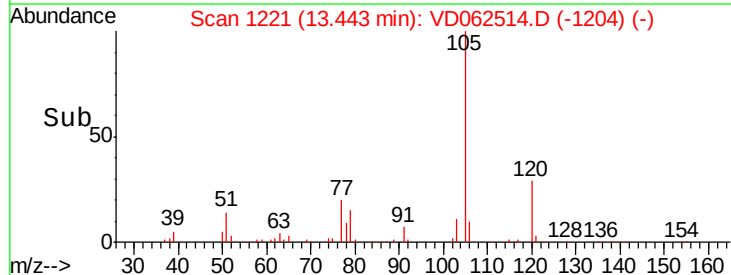
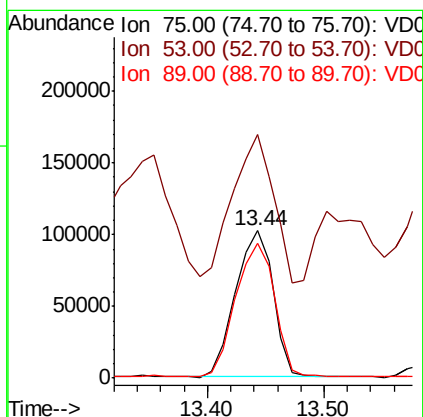
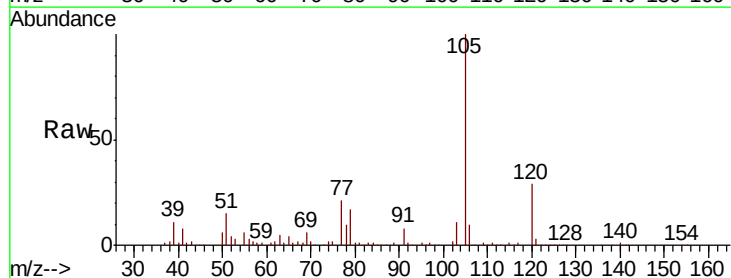
Instrument :
 MSVOA_D
 ClientSampled :

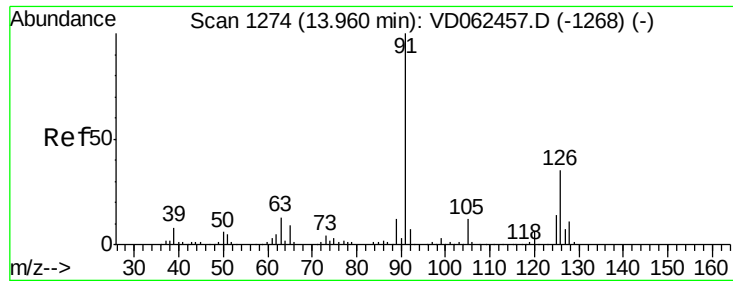
Tot Ion:105 Resp: 7128707
 Ion Ratio Lower Upper
 105 100
 120 51.6 24.0 72.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 10459.151 ug/l
 RT: 13.44 min Scan# 1221
 Delta R.T. -0.03 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

Tgt Ion: 75 Resp: 227752
 Ion Ratio Lower Upper
 75 100
 53 165.6 65.8 98.8#
 89 91.3 35.0 52.6#

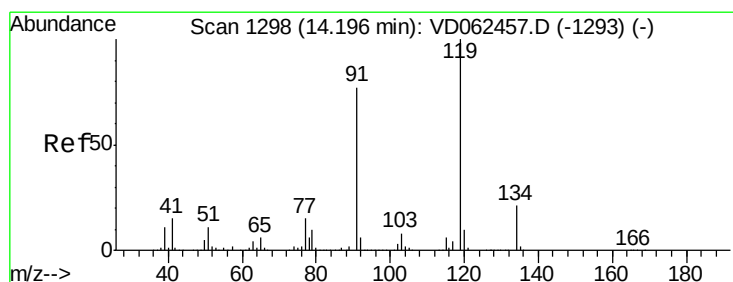
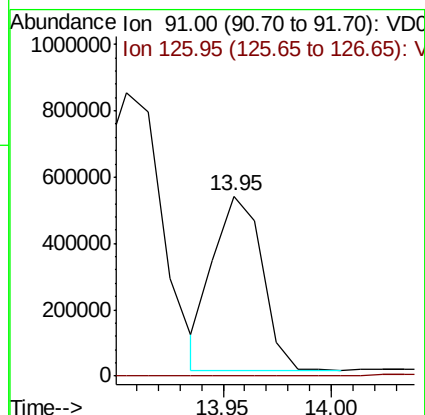
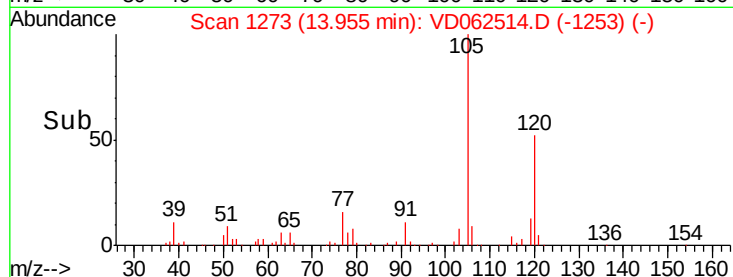
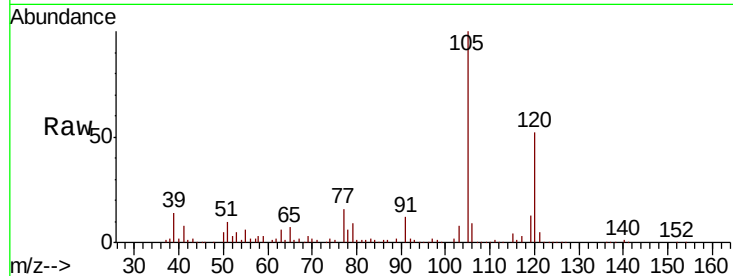




#82
4-Chlorotoluene
Concen: 2466.821 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

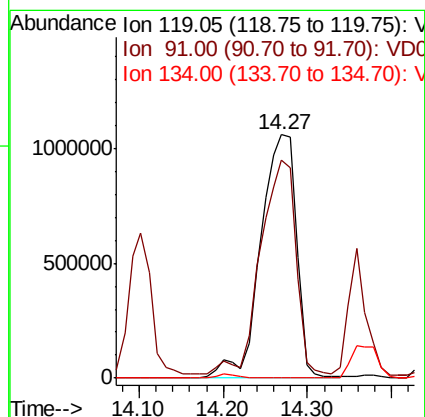
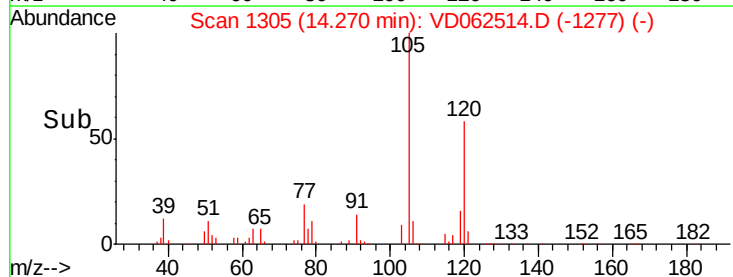
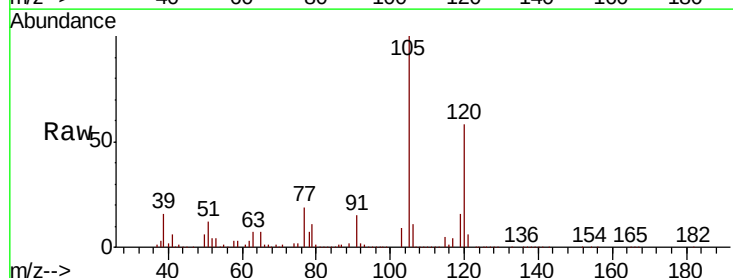
Instrument :
MSVOA_D
ClientSampled :

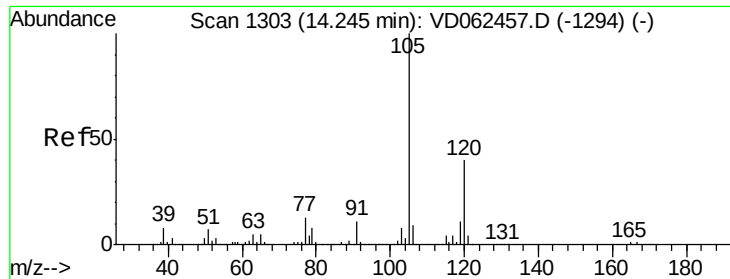
Tot Ion: 91 Resp: 825140
Ion Ratio Lower Upper
91 100
126 0.2 19.1 57.5#



#83
tert-Butylbenzene
Concen: 7937.610 ug/l
RT: 14.27 min Scan# 1305
Delta R.T. 0.07 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

Tgt Ion: 119 Resp: 3149945
Ion Ratio Lower Upper
119 100
91 89.3 34.2 102.6
134 0.0 12.0 36.0#

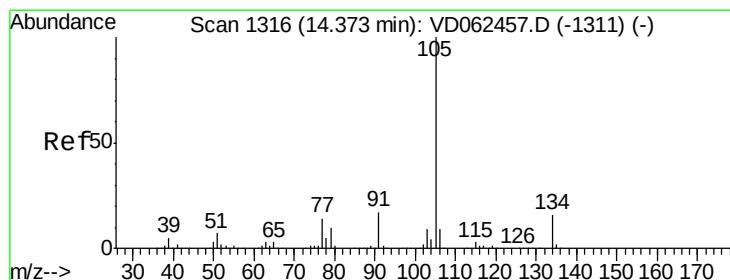
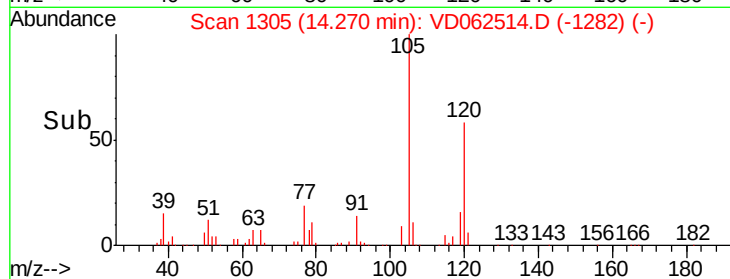
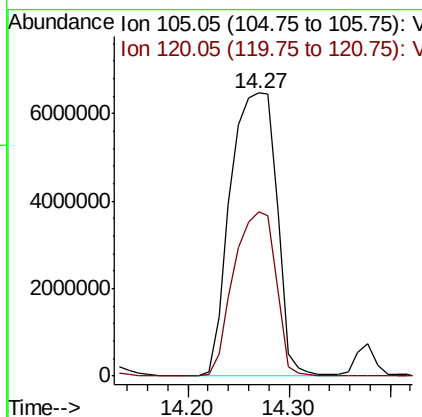
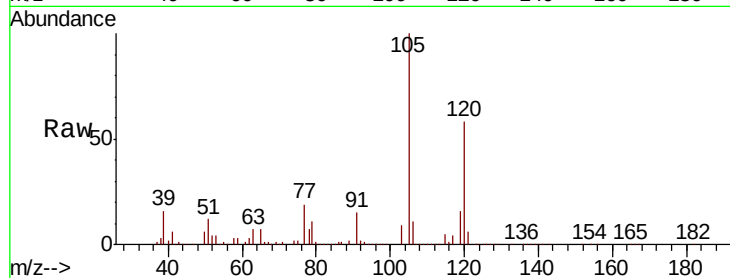




#84
 1,2,4-Trimethylbenzene
 Concen: 56244.182 ug/l
 RT: 14.27 min Scan# 1305
 Delta R.T. 0.02 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

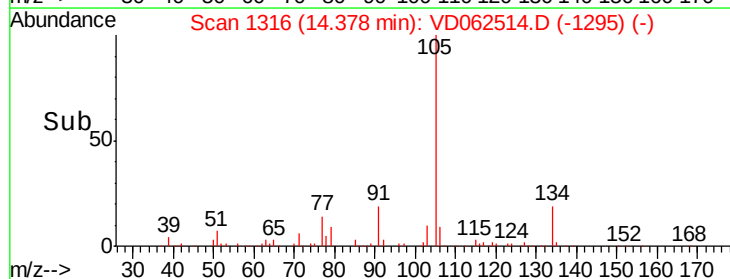
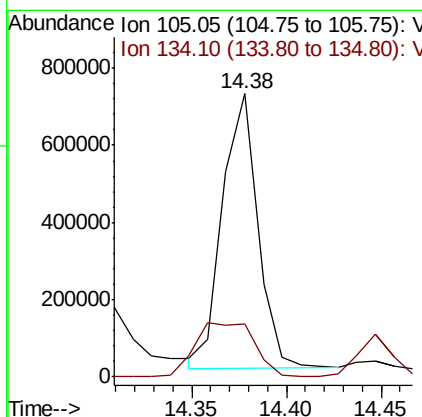
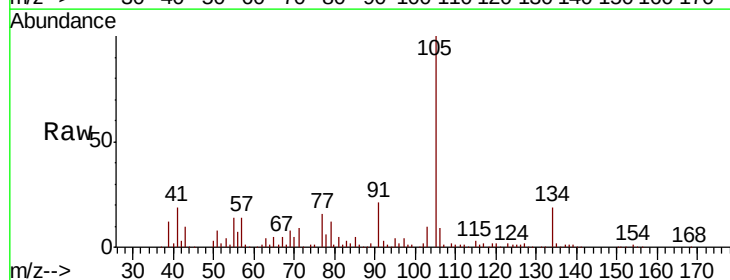
Instrument :
 MSVOA_D
 ClientSampleId :

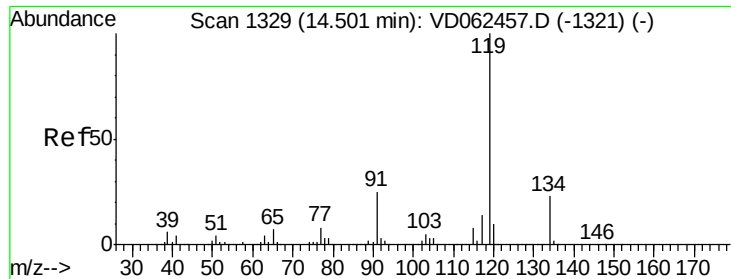
Tot Ion:105 Resp:20618294
 Ion Ratio Lower Upper
 105 100
 120 58.1 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 2202.058 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD062514.D
 Acq: 22 May 2019 20:23

Tgt Ion:105 Resp: 911186
 Ion Ratio Lower Upper
 105 100
 134 18.8 8.9 26.7

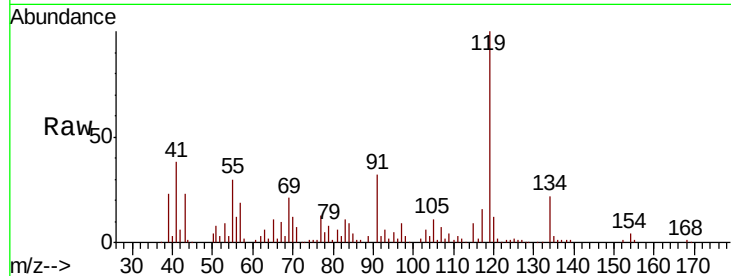




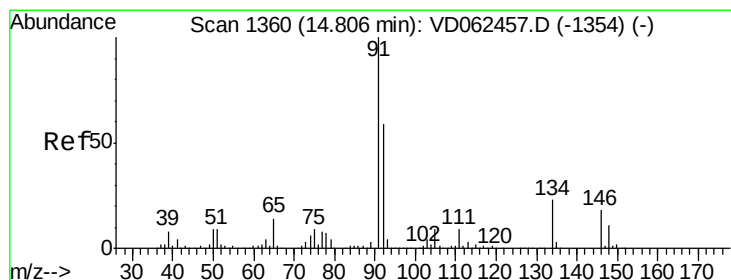
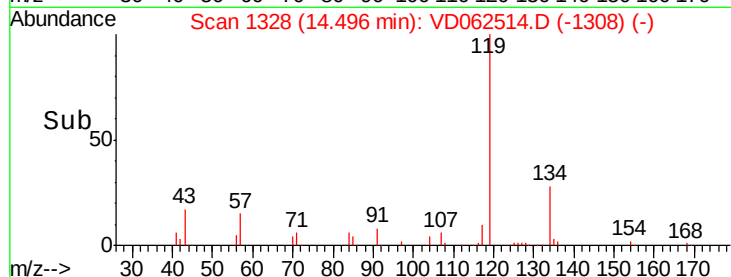
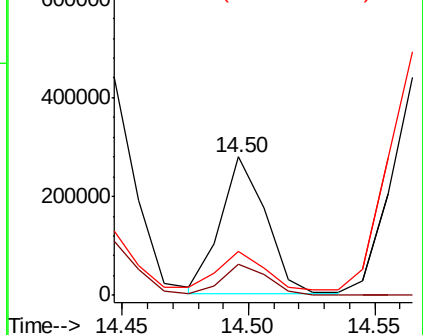
#86
p-Isopropyltoluene
Concen: 929.824 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.00 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 348671
Ion Ratio Lower Upper
119 100
134 22.1 12.8 38.3
91 31.8 10.7 32.1

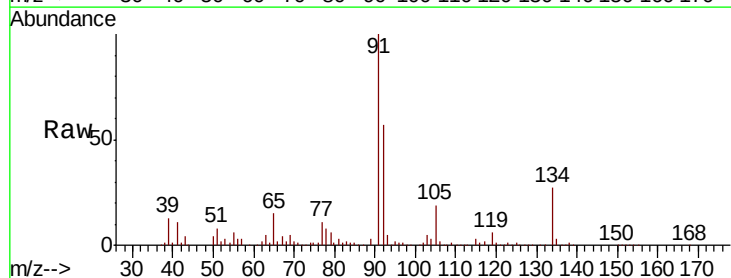


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 134.10 (133.80 to 134.80): V
Ion 91.00 (90.70 to 91.70): V

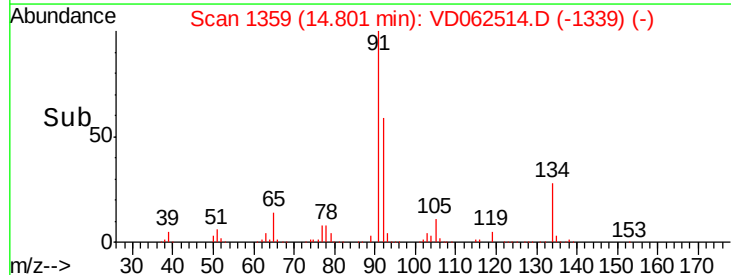
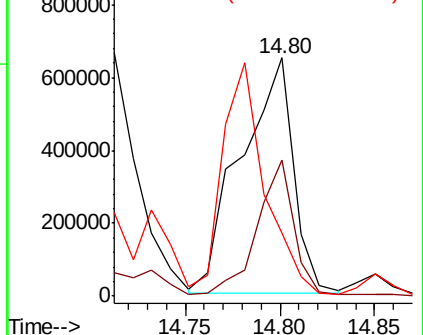


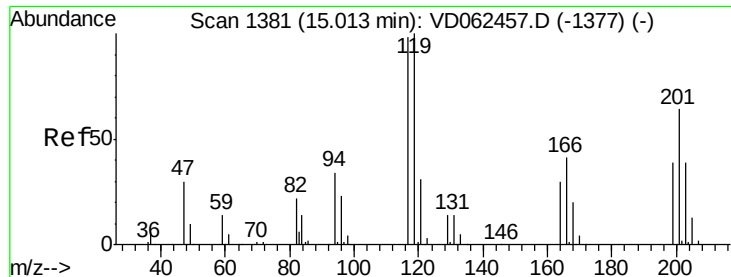
#89
n-Butylbenzene
Concen: 3465.372 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VD062514.D
Acq: 22 May 2019 20:23

Tgt Ion: 91 Resp: 1254094
Ion Ratio Lower Upper
91 100
92 57.0 30.3 91.0
134 26.7 14.5 43.6



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





#90

Hexachloroethane

Concen: 3091.956 ug/l

RT: 14.98 min Scan# 1377

Delta R.T. -0.03 min

Lab File: VD062514.D

Acq: 22 May 2019 20:23

Instrument :

MSVOA_D

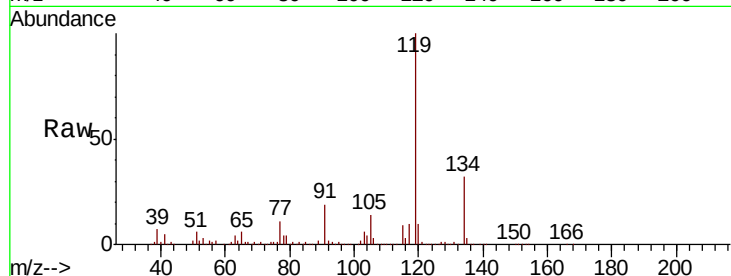
ClientSampled :

Tot Ion:117 Resp: 320431

Ion Ratio Lower Upper

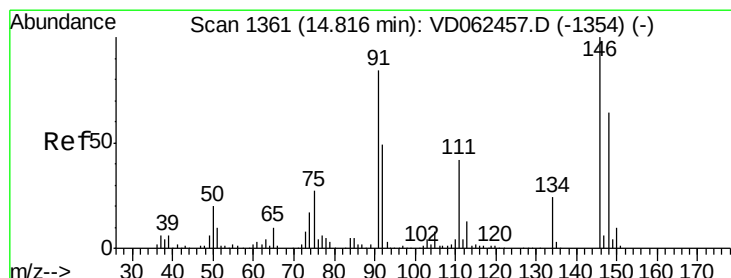
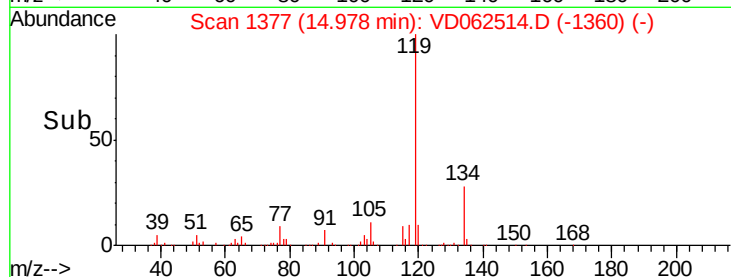
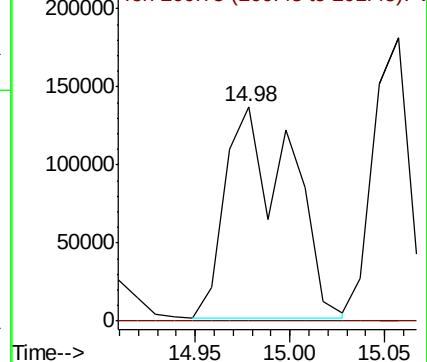
117 100

201 0.0 30.2 90.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#91

1,2-Dichlorobenzene

Concen: 1.472 ug/l

RT: 14.89 min Scan# 1368

Delta R.T. 0.07 min

Lab File: VD062514.D

Acq: 22 May 2019 20:23

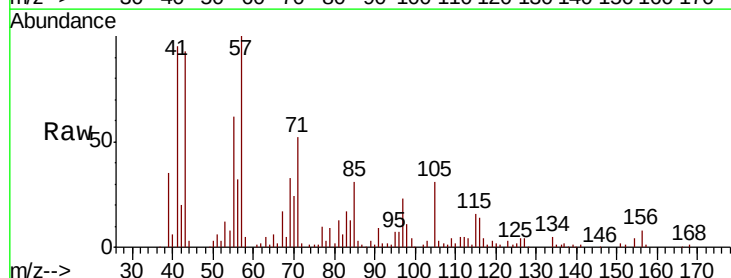
Tgt Ion:146 Resp: 259

Ion Ratio Lower Upper

146 100

111 1337.7 20.0 59.9#

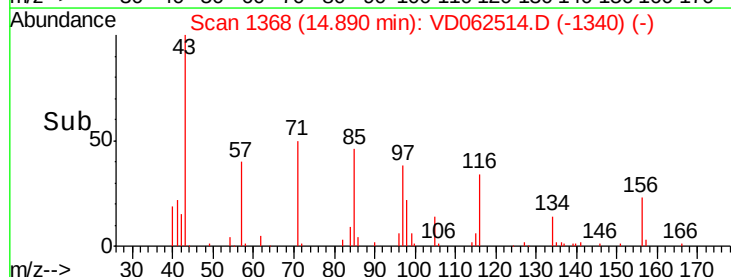
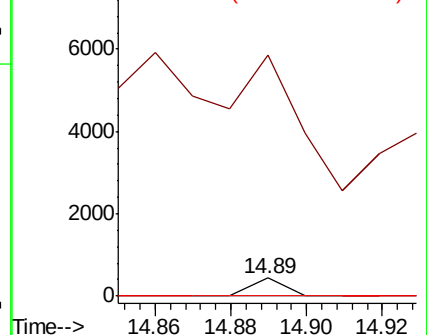
148 0.0 32.3 96.8#

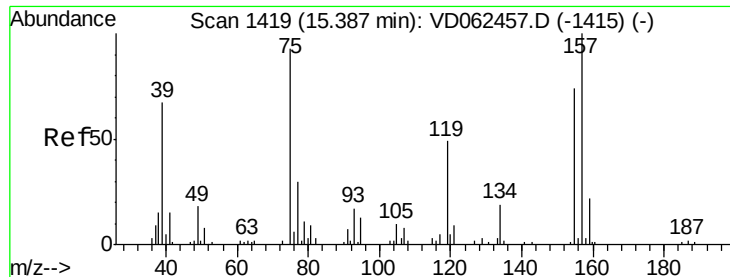


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 757.151 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VD062514.D

Acq: 22 May 2019 20:23

Instrument :

MSVOA_D

ClientSampleId :

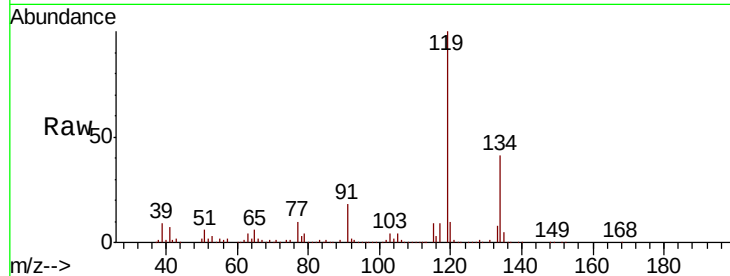
Tot Ion: 75 Resp: 10713

Ion Ratio Lower Upper

75 100

155 0.0 55.3 165.8#

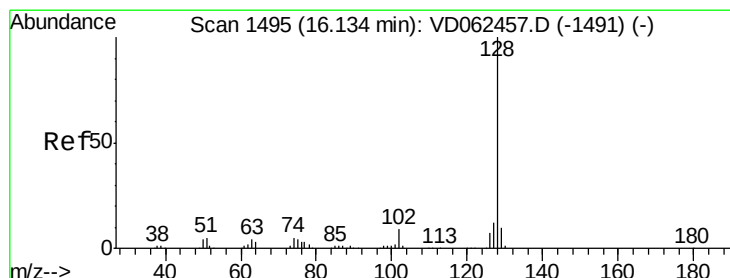
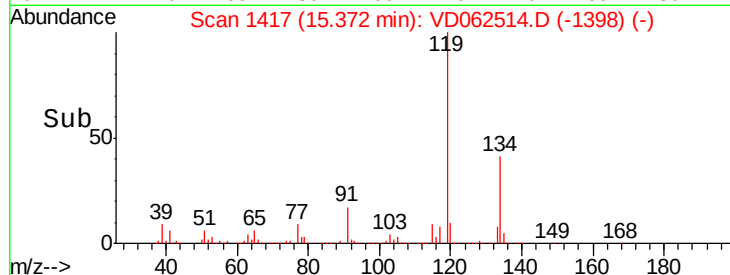
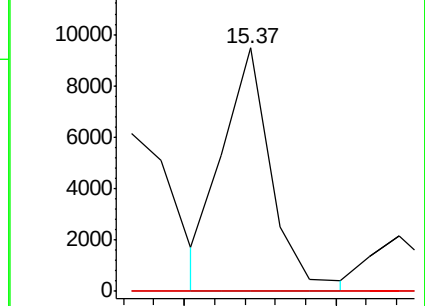
157 0.0 67.8 203.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#95

Naphthalene

Concen: 3010.313 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD062514.D

Acq: 22 May 2019 20:23

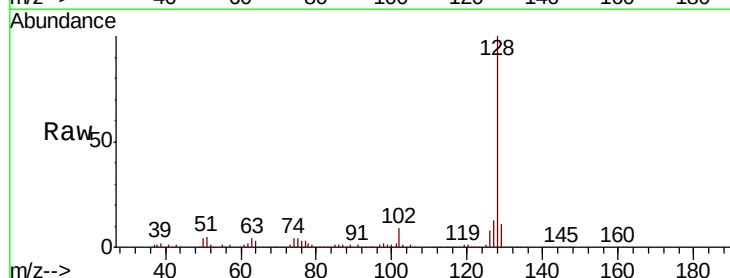
Tgt Ion: 128 Resp: 570053

Ion Ratio Lower Upper

128 100

127 12.7 9.8 14.8

129 10.9 8.8 13.2



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

