

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062121\
 Data File : VD069503.D
 Acq On : 21 Jun 2021 16:28
 Operator : VA/SY
 Sample : M2781-01
 Misc : 4.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 22 05:08:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

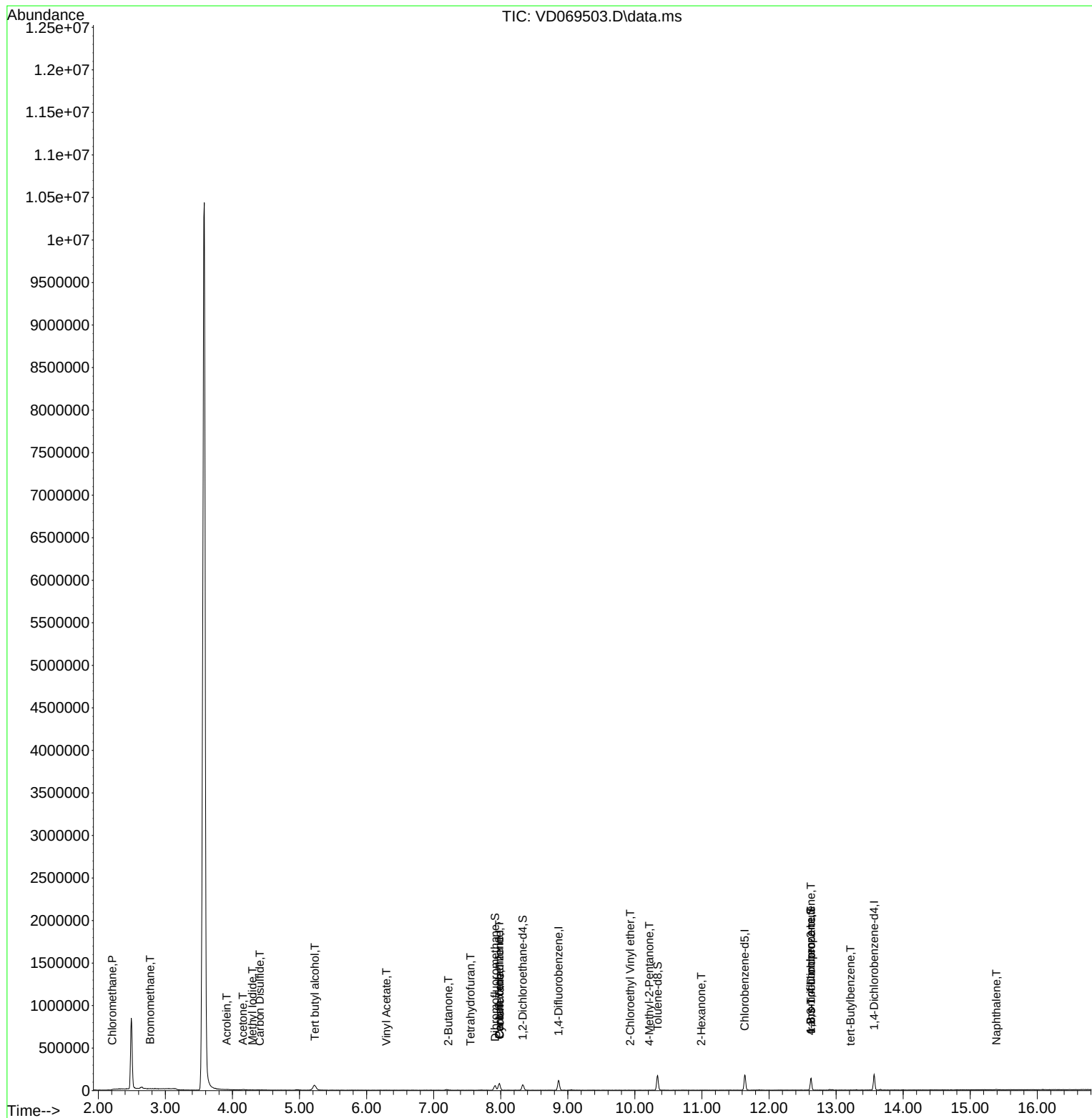
Internal Standards						
1) Pentafluorobenzene	7.979	168	53797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	88951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	105091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	46645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	50895	75.898	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	151.800%
35) Dibromofluoromethane	7.914	113	39112	65.047	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	130.100%
50) Toluene-d8	10.338	98	120278	53.329	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.660%
62) 4-Bromofluorobenzene	12.620	95	44161	59.558	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	119.120%
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	1161	1.538	ug/l	97
5) Bromomethane	2.773	94	1927	1.906	ug/l #	41
10) Methyl Iodide	4.297	142	586	4.899	ug/l #	39
11) Tert butyl alcohol	5.226	59	92981	3166.976	ug/l #	83
13) Acrolein	3.915	56	66	1.768	ug/l #	15
16) Acetone	4.156	43	8719	77.250	ug/l #	85
17) Carbon Disulfide	4.409	76	2619	1.497	ug/l #	76
18) Methyl Acetate	4.726	43	583	Below Cal	#	49
20) Methylene Chloride	4.950	84	2372	Below Cal	#	83
23) Vinyl Acetate	6.297	43	78	19.086	ug/l #	70
25) 2-Butanone	7.220	43	1291	9.001	ug/l #	44
29) Tetrahydrofuran	7.550	42	147	1.869	ug/l #	31
31) Cyclohexane	7.985	56	1693	1.875	ug/l #	1
38) Carbon Tetrachloride	7.979	117	5612	6.495	ug/l #	27
51) 4-Methyl-2-Pentanone	10.214	43	502	1.622	ug/l #	54
58) 2-Chloroethyl Vinyl ether	9.932	63	74	10.841	ug/l #	47
59) 2-Hexanone	10.991	43	789	3.778	ug/l #	22
76) 1,2,3-Trichloropropane	12.626	75	22984	50.197	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	22984	125.334	ug/l #	13
83) tert-Butylbenzene	13.214	119	477	2.181	ug/l #	61
95) Naphthalene	15.390	128	3872	5.840	ug/l #	86

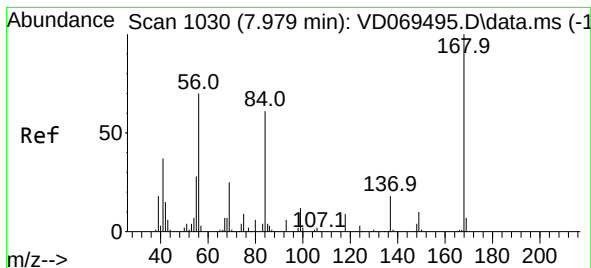
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 16 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :

Quant Time: Jun 22 05:08:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 22 04:33:24 2021
Response via : Initial Calibration

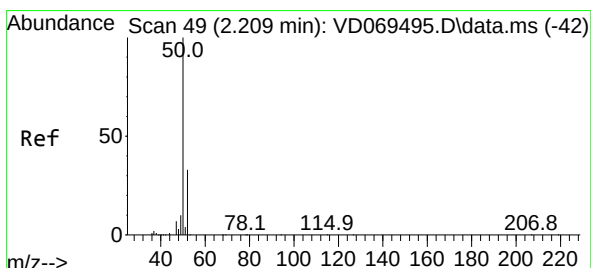
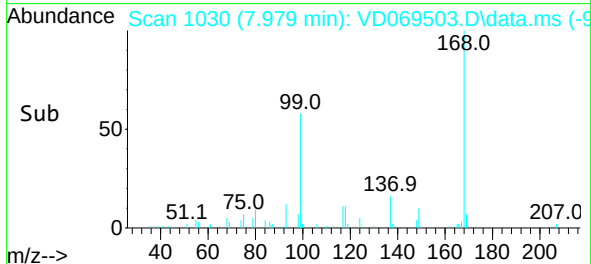
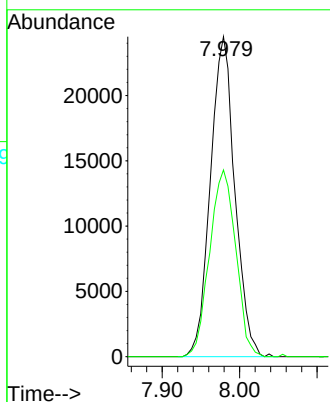
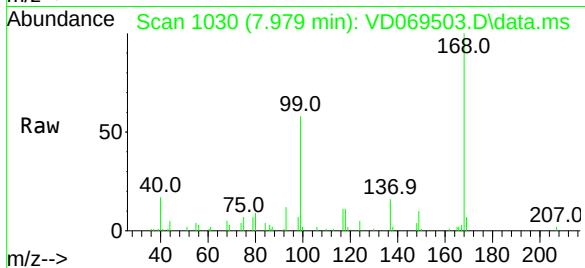




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

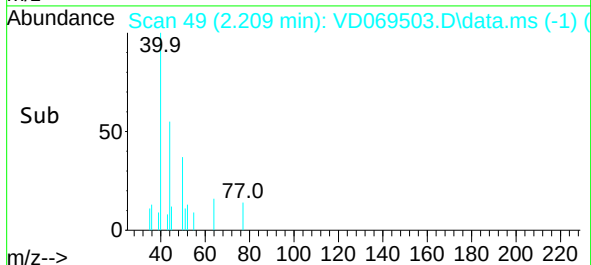
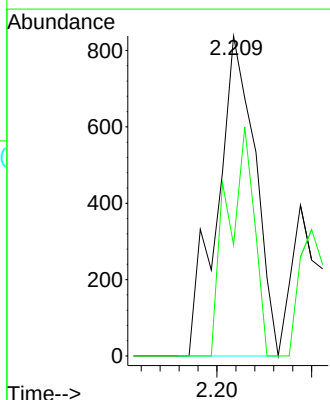
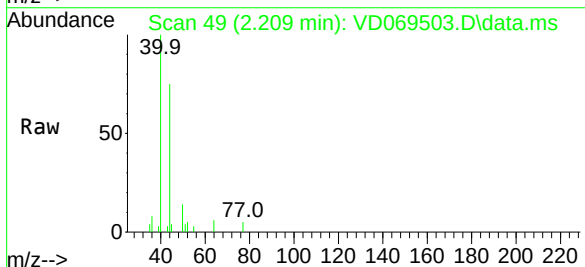
Instrument :
MSVOA_D
ClientSampled :

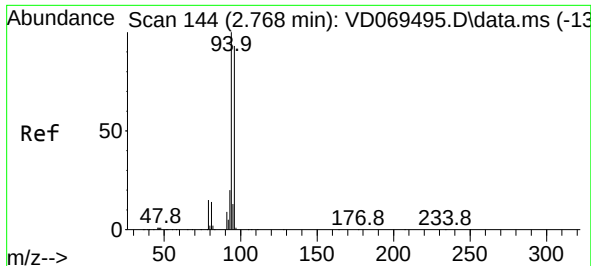
Tgt Ion:168 Resp: 53797
Ion Ratio Lower Upper
168 100
99 58.4 49.3 73.9



#3
Chloromethane
Concen: 1.538 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

Tgt Ion: 50 Resp: 1161
Ion Ratio Lower Upper
50 100
52 34.7 26.3 39.5

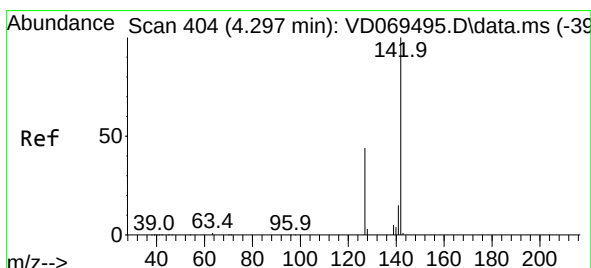
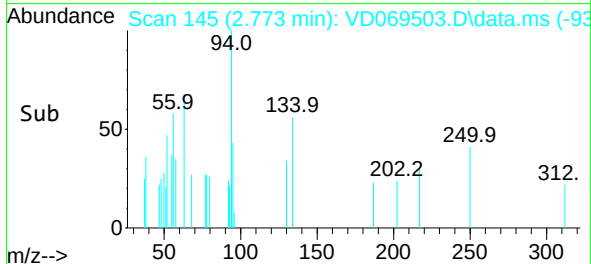
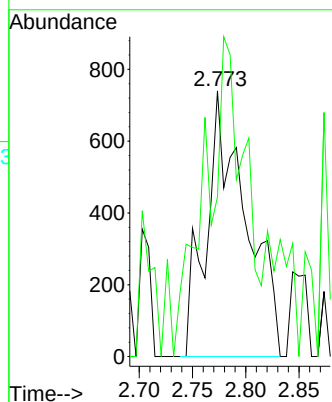
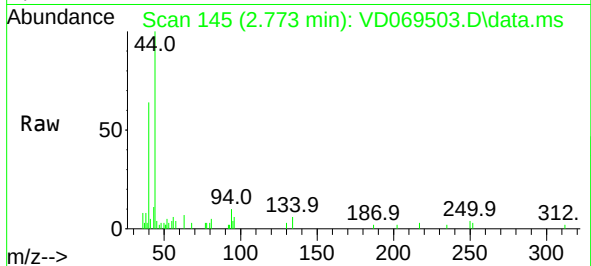




#5
Bromomethane
Concen: 1.906 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

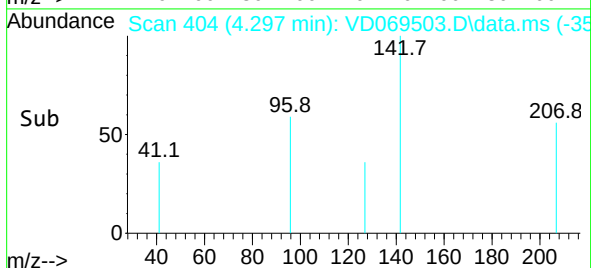
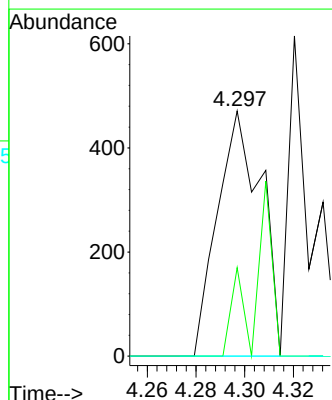
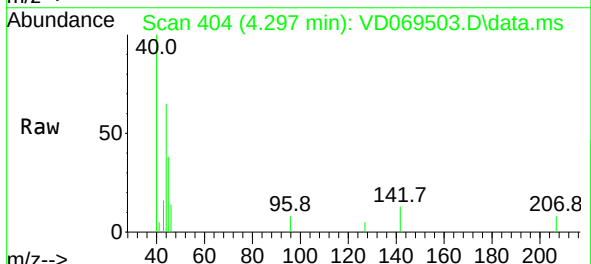
Instrument :
MSVOA_D
ClientSampled :

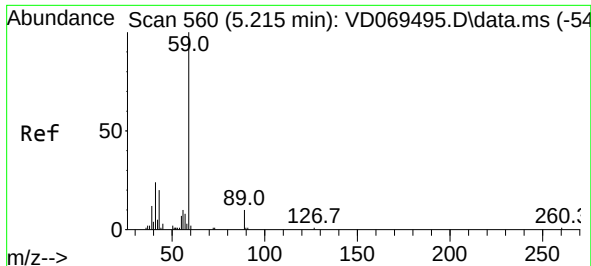
Tgt Ion: 94 Resp: 1927
Ion Ratio Lower Upper
94 100
96 36.6 74.6 111.8#



#10
Methyl Iodide
Concen: 4.899 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

Tgt Ion:142 Resp: 586
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#

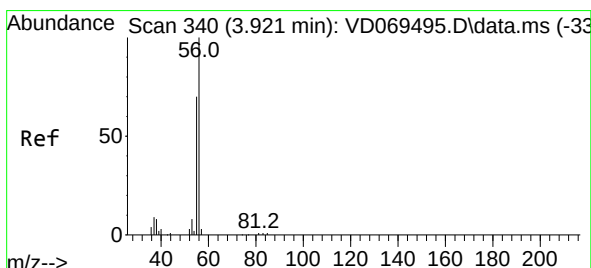
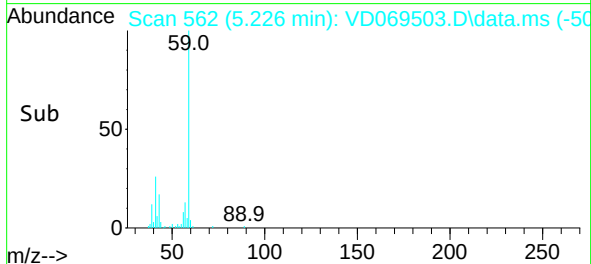
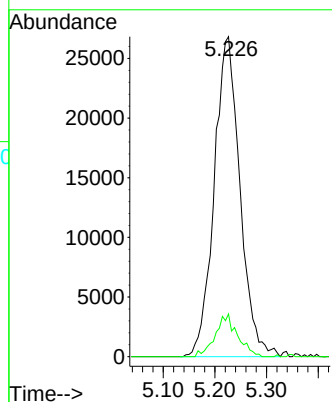
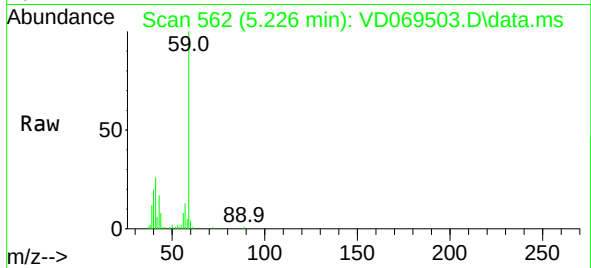




#11
Tert butyl alcohol
Concen: 3166.976 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.011 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

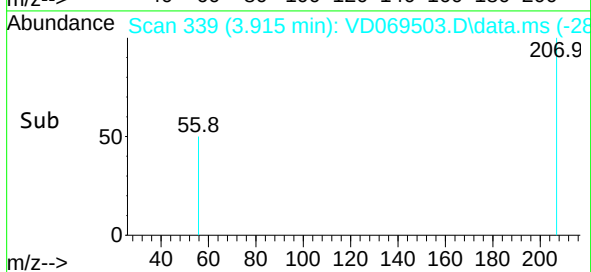
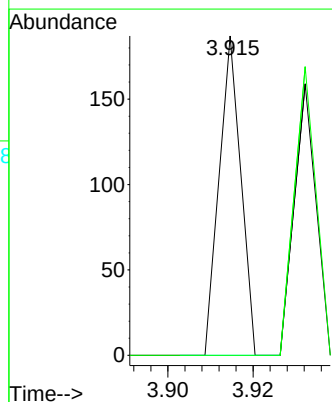
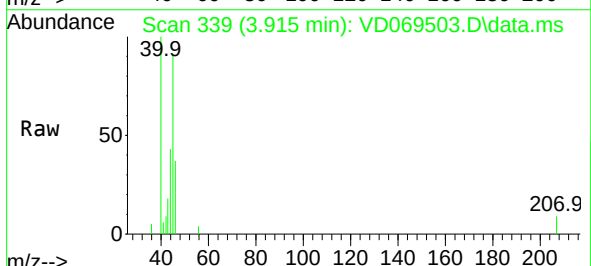
Instrument :
MSVOA_D
ClientSampled :

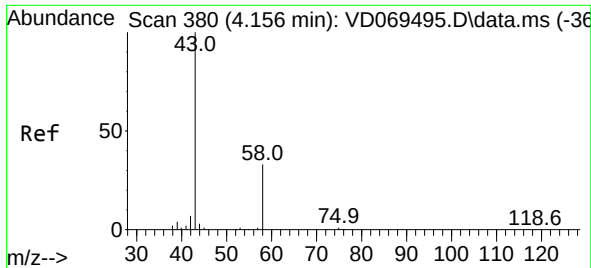
Tgt Ion: 59 Resp: 92981
Ion Ratio Lower Upper
59 100
57 11.4 4.6 7.0#



#13
Acrolein
Concen: 1.768 ug/l
RT: 3.915 min Scan# 339
Delta R.T. -0.006 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#

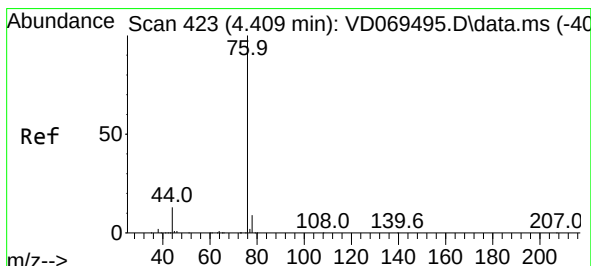
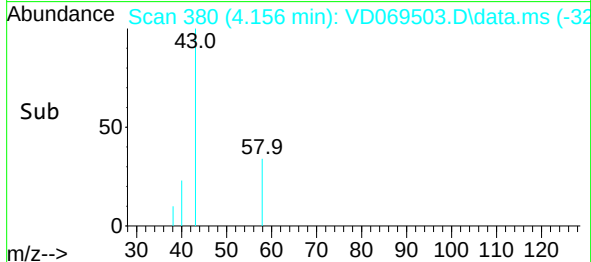
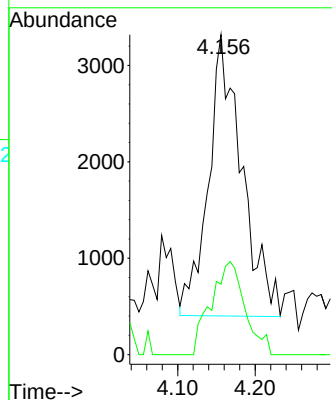
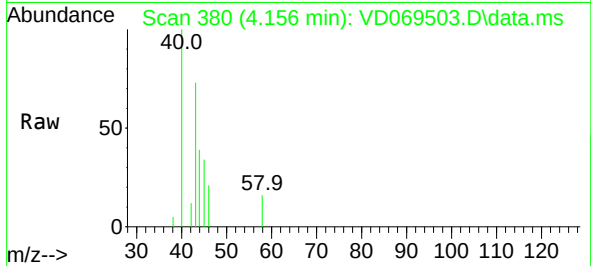




#16
Acetone
Concen: 77.250 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

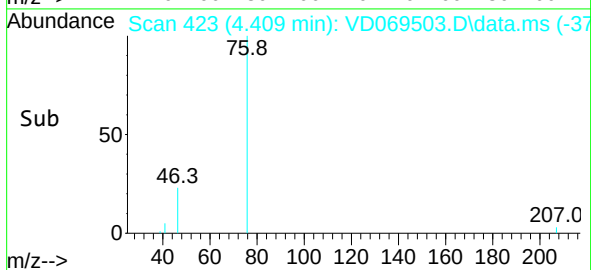
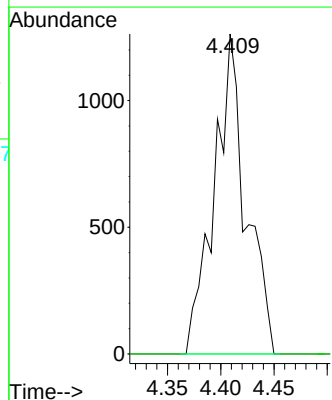
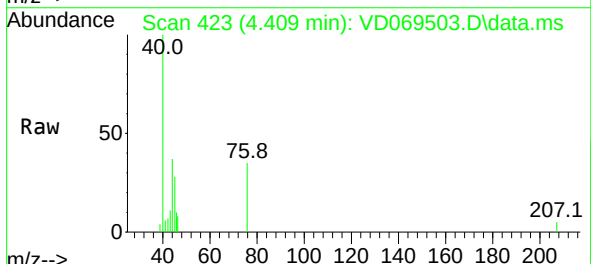
Instrument :
MSVOA_D
ClientSampled :

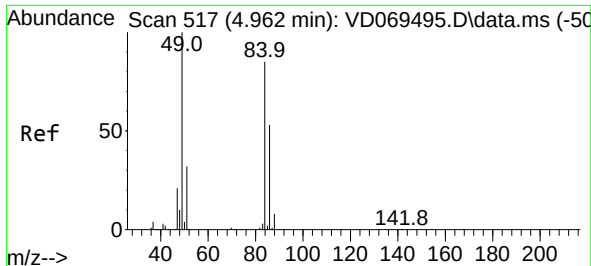
Tgt Ion: 43 Resp: 8719
Ion Ratio Lower Upper
43 100
58 25.1 26.8 40.2#



#17
Carbon Disulfide
Concen: 1.497 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

Tgt Ion: 76 Resp: 2619
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

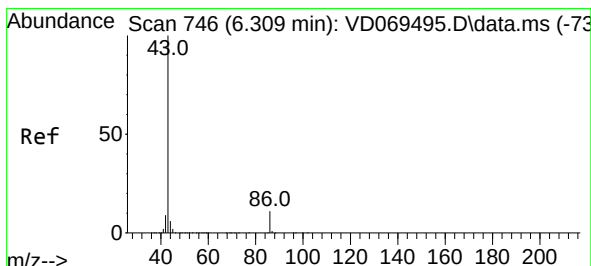
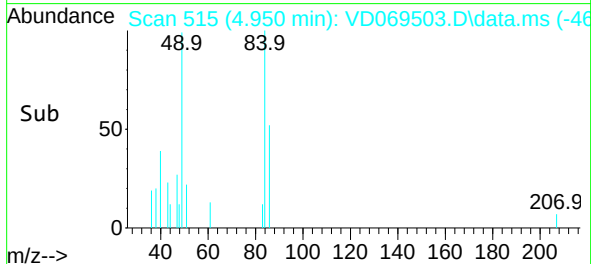
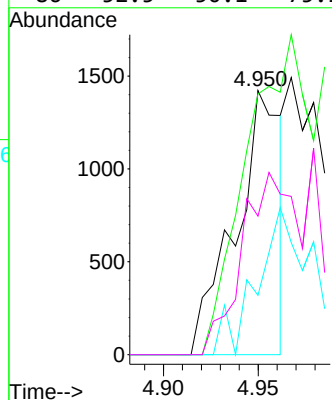
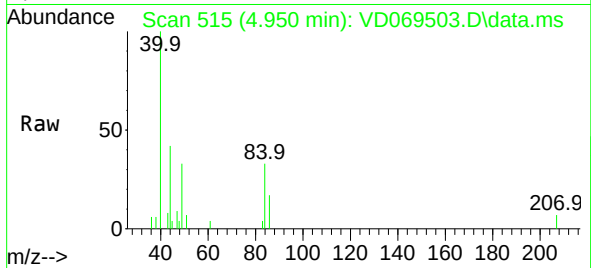




#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

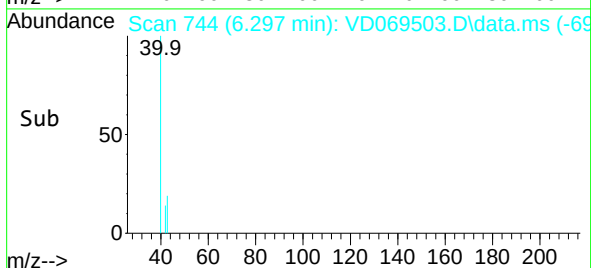
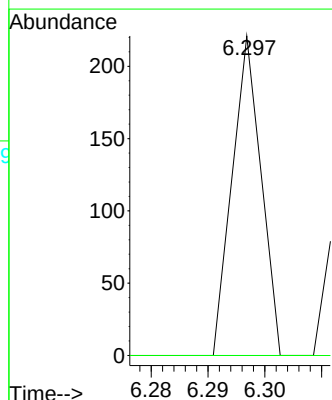
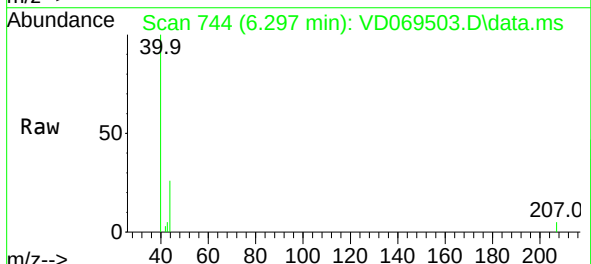
Instrument :
MSVOA_D
ClientSampleId :

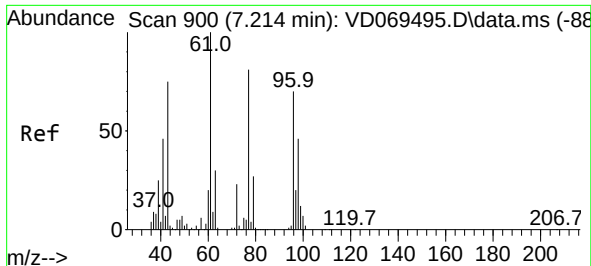
Tgt Ion: 84 Resp: 2372
Ion Ratio Lower Upper
84 100
49 98.7 94.0 141.0
51 22.4 29.7 44.5#
86 52.5 50.1 75.1



#23
Vinyl Acetate
Concen: 19.086 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.012 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

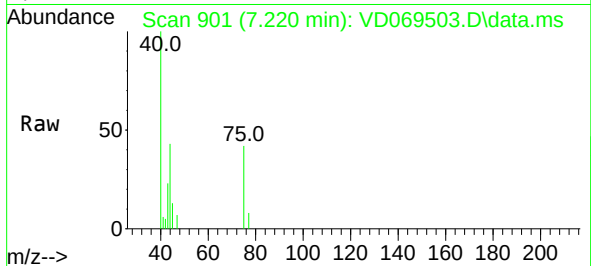
Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
86 0.0 9.1 13.7#



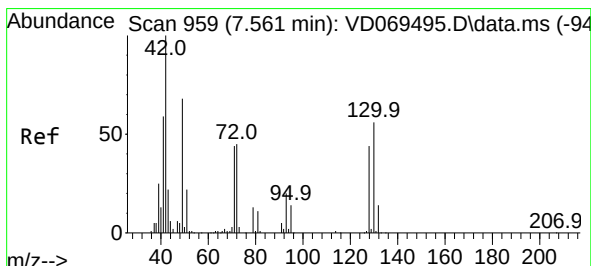
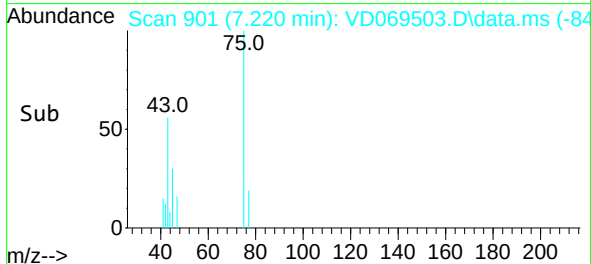
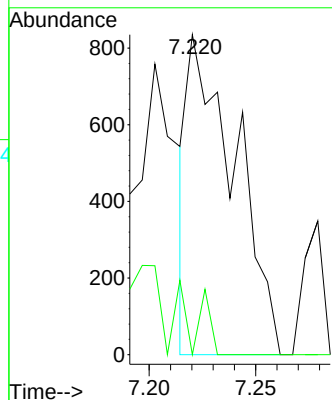


#25
2-Butanone
Concen: 9.001 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

Instrument :
MSVOA_D
ClientSampled :

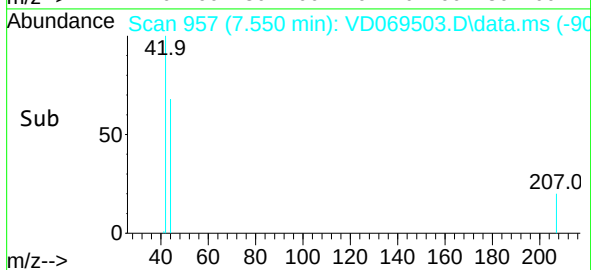
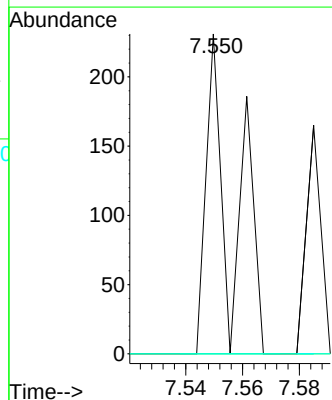
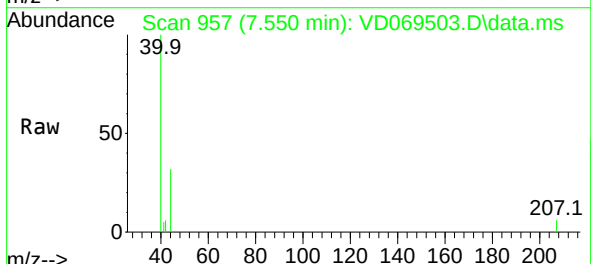


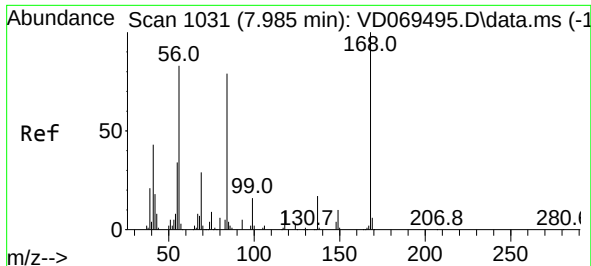
Tgt Ion: 43 Resp: 1291
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#



#29
Tetrahydrofuran
Concen: 1.869 ug/l
RT: 7.550 min Scan# 957
Delta R.T. -0.012 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

Tgt Ion: 42 Resp: 147
Ion Ratio Lower Upper
42 100
72 0.0 37.9 56.9#
71 0.0 35.1 52.7#

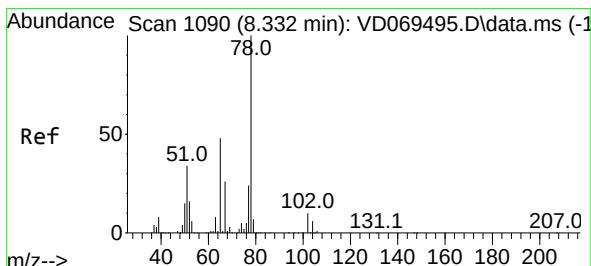
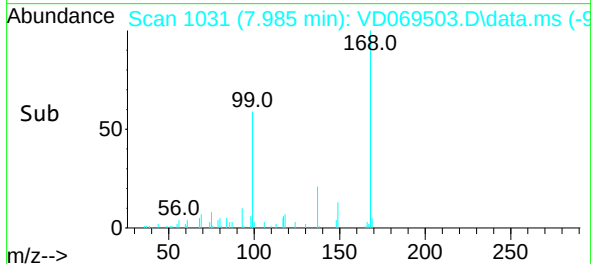
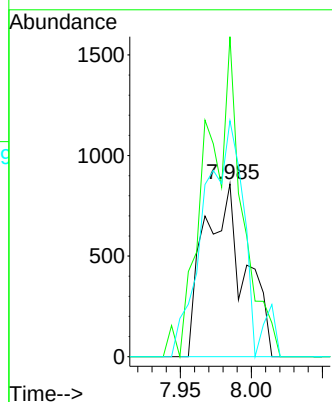
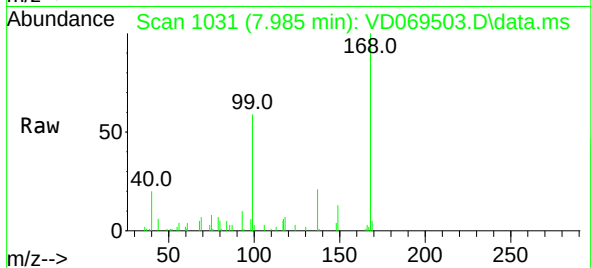




#31
Cyclohexane
Concen: 1.875 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

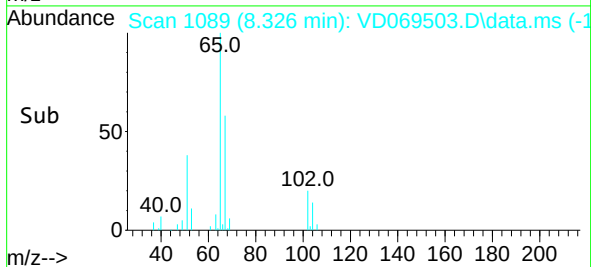
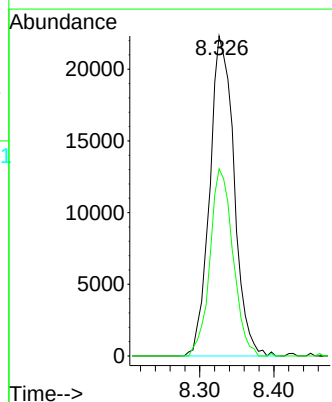
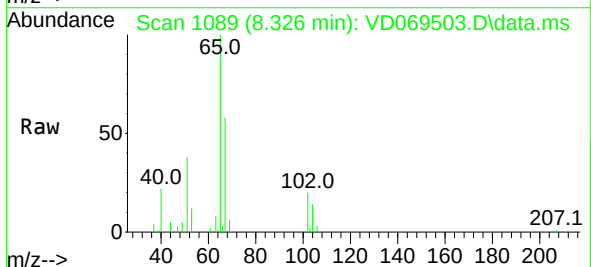
Instrument :
MSVOA_D
ClientSampled :

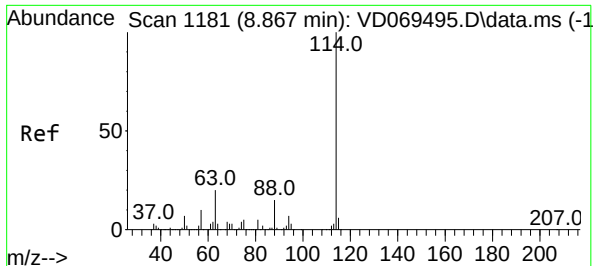
Tgt Ion: 56 Resp: 1693
Ion Ratio Lower Upper
56 100
69 185.2 28.0 42.0#
84 136.6 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 75.898 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

Tgt Ion: 65 Resp: 50895
Ion Ratio Lower Upper
65 100
67 55.2 0.0 105.6

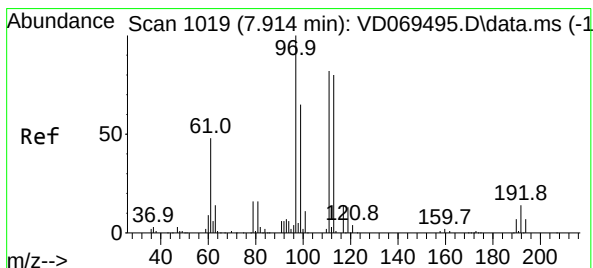
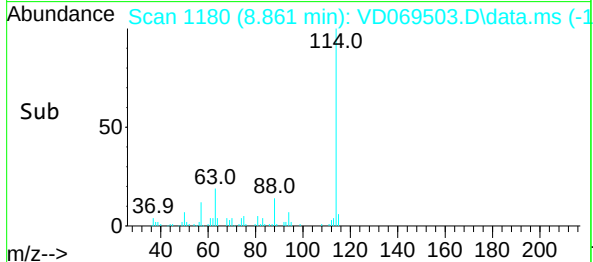
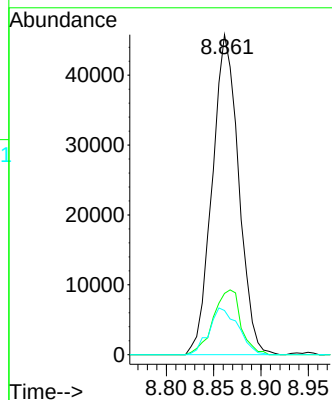
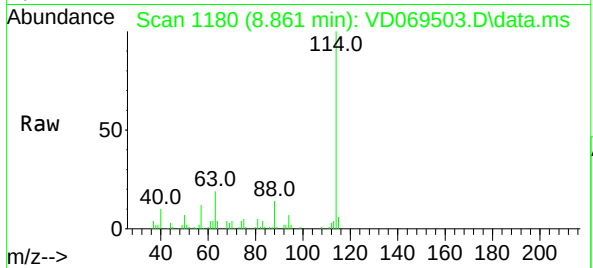




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

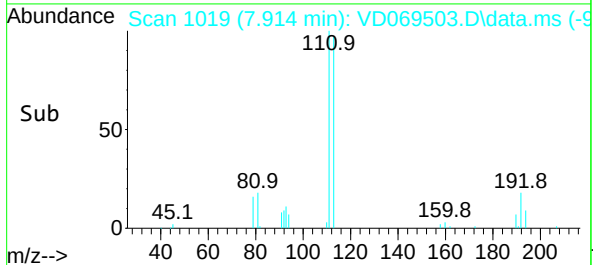
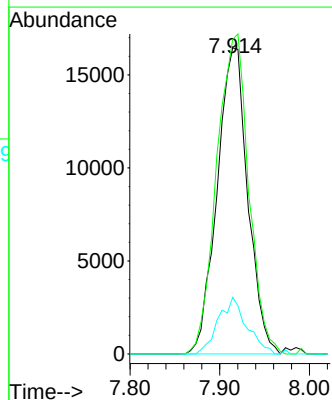
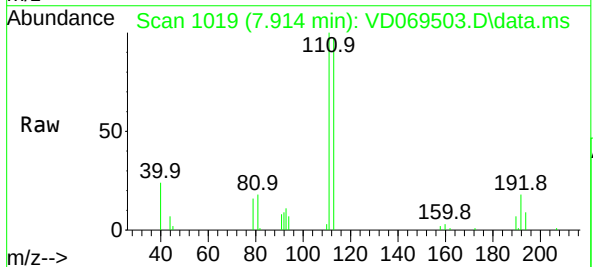
Instrument :
MSVOA_D
ClientSampled :

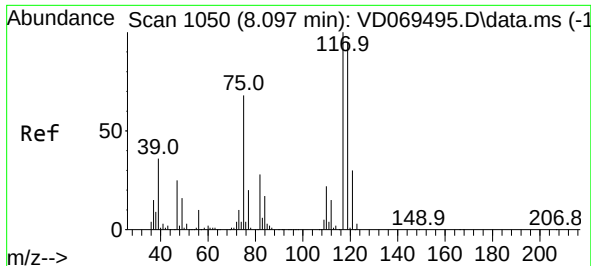
Tgt Ion:114	Resp:	88951
Ion Ratio	Lower	Upper
114	100	
63	19.2	0.0 39.6
88	13.8	0.0 29.8



#35
Dibromofluoromethane
Concen: 65.047 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

Tgt Ion:113	Resp:	39112
Ion Ratio	Lower	Upper
113	100	
111	109.0	81.8 122.8
192	17.1	13.8 20.6

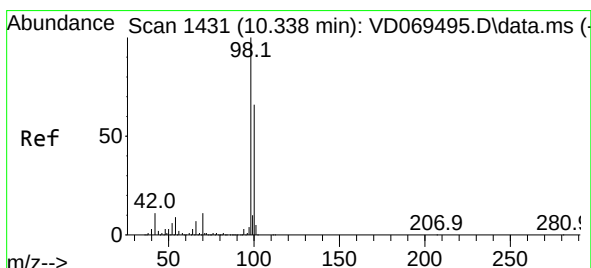
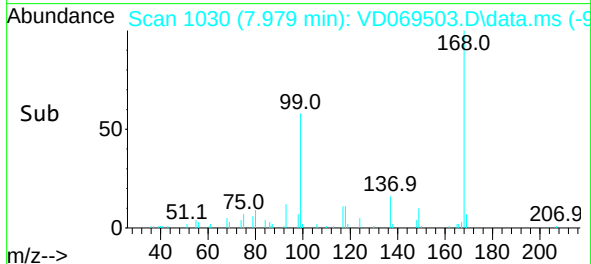
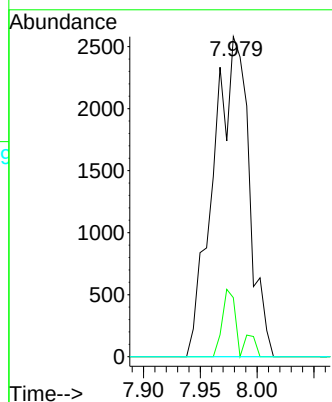
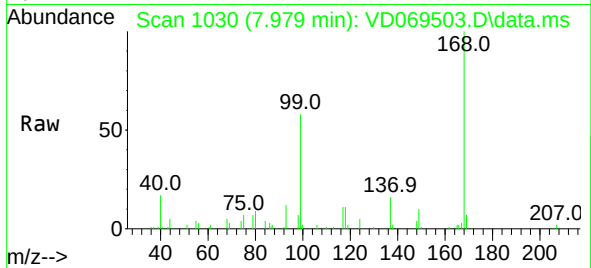




#38
Carbon Tetrachloride
Concen: 6.495 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

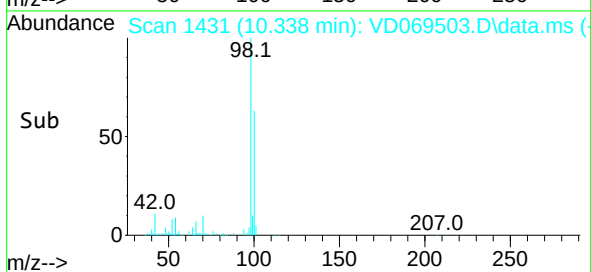
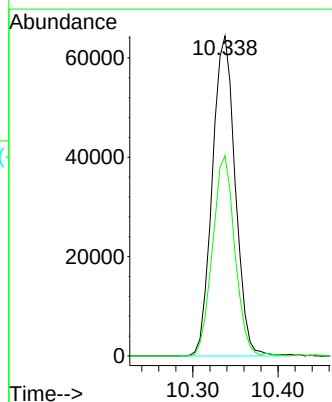
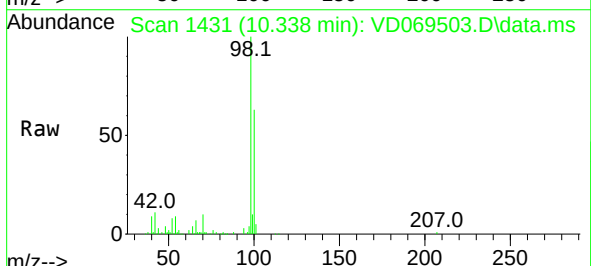
Instrument :
MSVOA_D
ClientSampled :

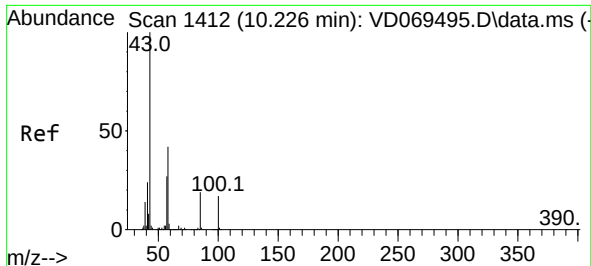
Tgt Ion:117 Resp: 5612
Ion Ratio Lower Upper
117 100
119 18.4 75.6 113.4#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 53.329 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

Tgt Ion: 98 Resp: 120278
Ion Ratio Lower Upper
98 100
100 61.0 52.3 78.5

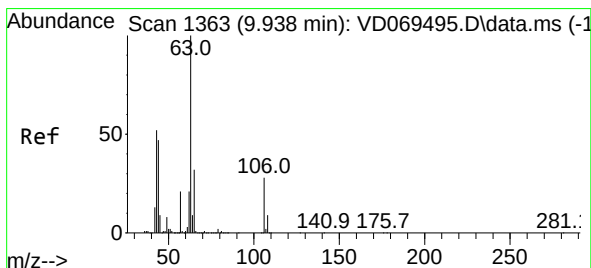
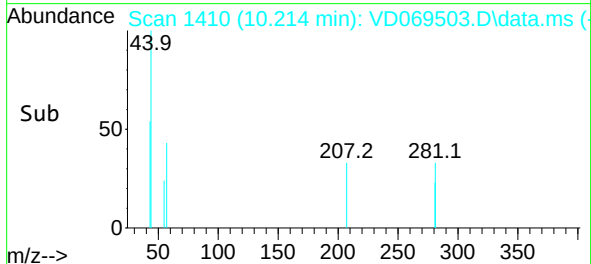
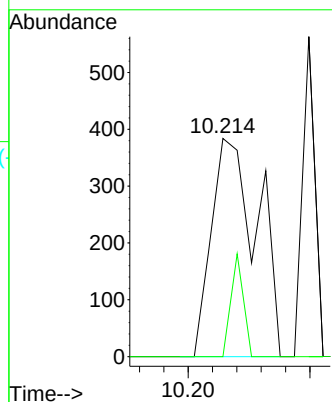
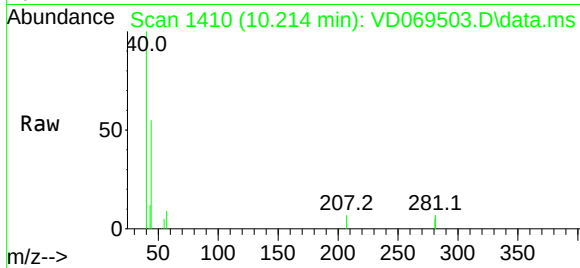




#51
4-Methyl-2-Pentanone
Concen: 1.622 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.012 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

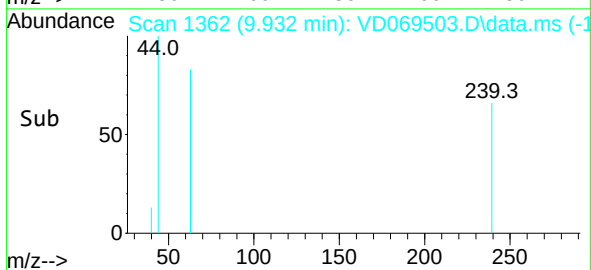
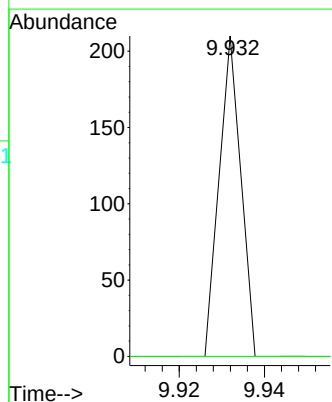
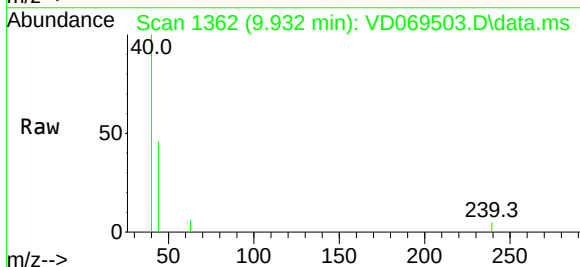
Instrument :
MSVOA_D
ClientSampled :

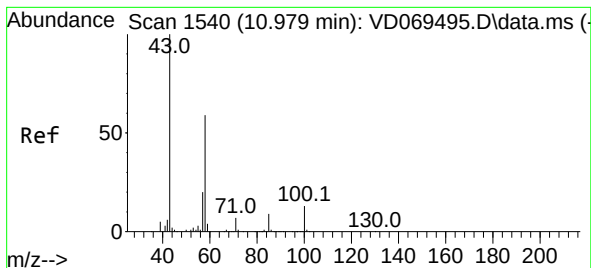
Tgt Ion: 43 Resp: 502
Ion Ratio Lower Upper
43 100
58 12.7 33.6 50.4#



#58
2-Chloroethyl Vinyl ether
Concen: 10.841 ug/l
RT: 9.932 min Scan# 1362
Delta R.T. -0.006 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

Tgt Ion: 63 Resp: 74
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

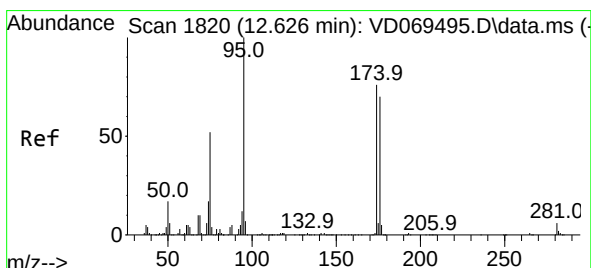
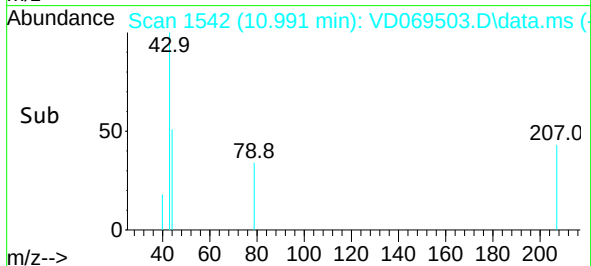
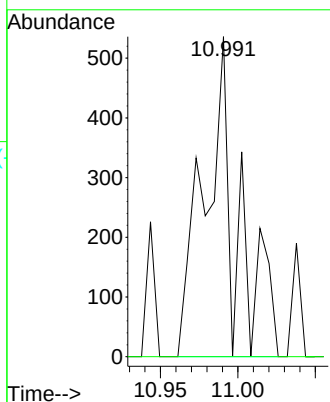
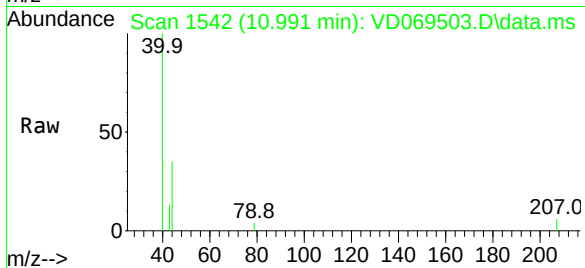




#59
2-Hexanone
Concen: 3.778 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.012 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

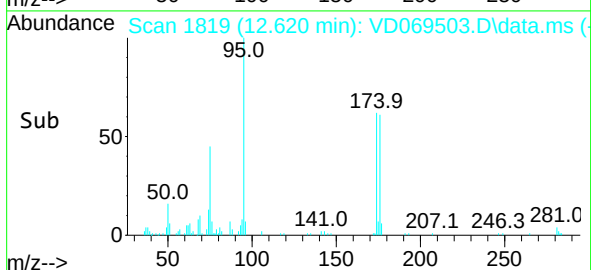
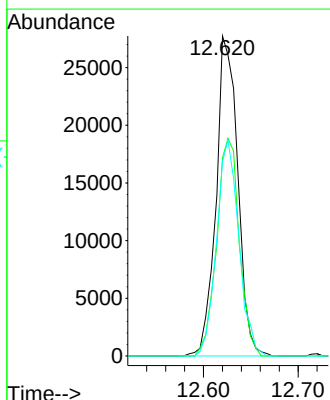
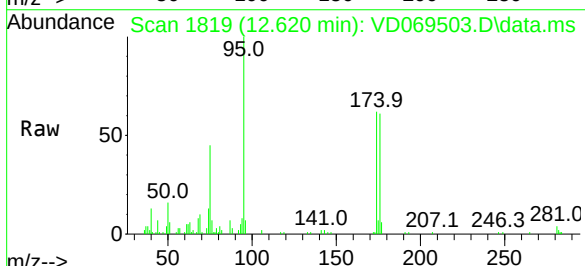
Instrument :
MSVOA_D
ClientSampled :

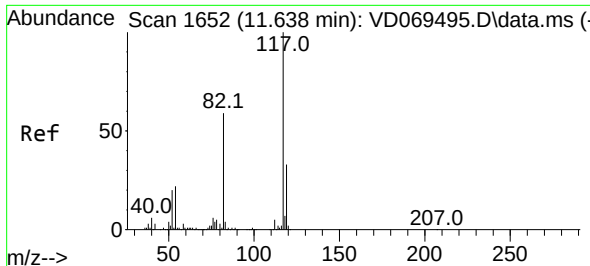
Tgt Ion: 43 Resp: 789
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.3#



#62
4-Bromofluorobenzene
Concen: 59.558 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

Tgt Ion: 95 Resp: 44161
Ion Ratio Lower Upper
95 100
174 70.9 0.0 148.0
176 69.1 0.0 139.8

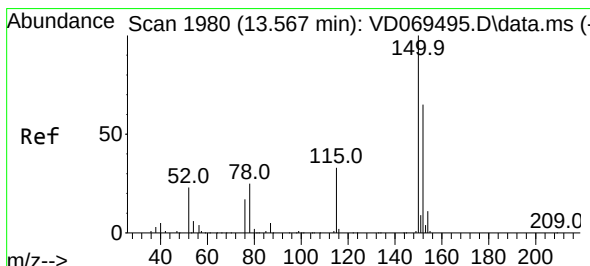
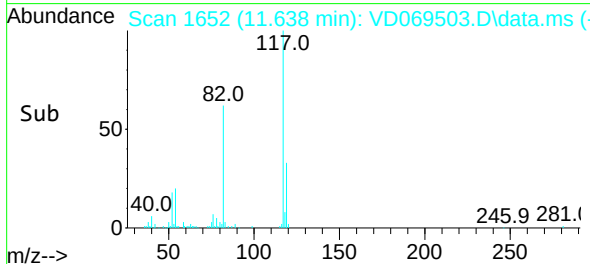
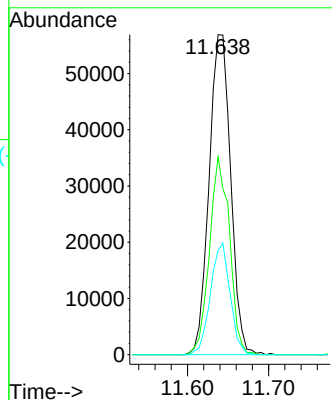
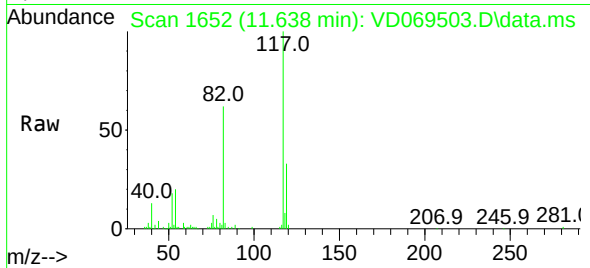




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

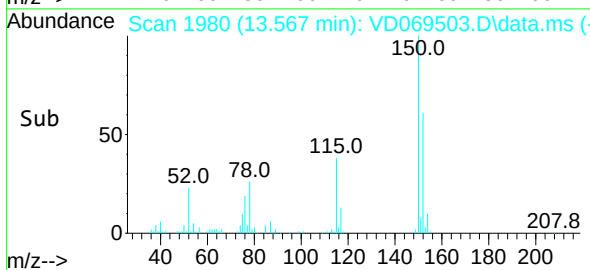
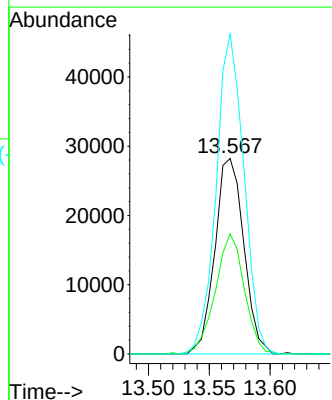
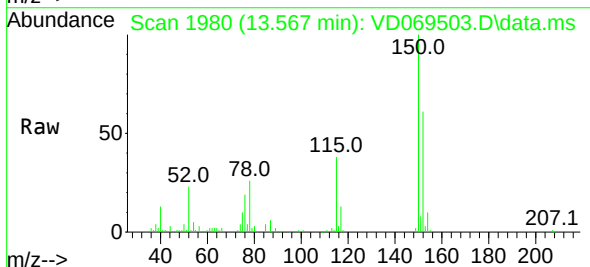
Instrument :
MSVOA_D
ClientSampleId :

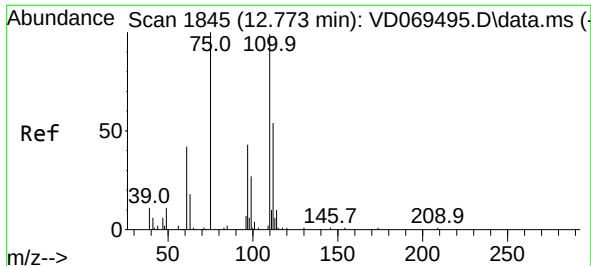
Tgt Ion:117 Resp: 105091
Ion Ratio Lower Upper
117 100
82 61.8 46.8 70.2
119 32.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

Tgt Ion:152 Resp: 46645
Ion Ratio Lower Upper
152 100
115 61.6 31.7 95.1
150 157.2 0.0 350.8

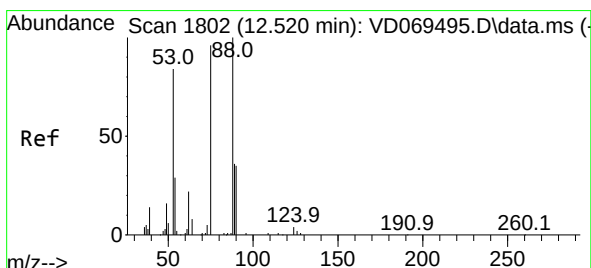
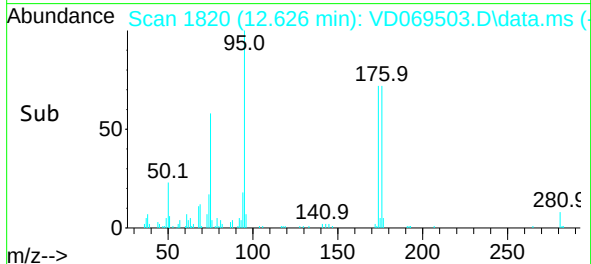
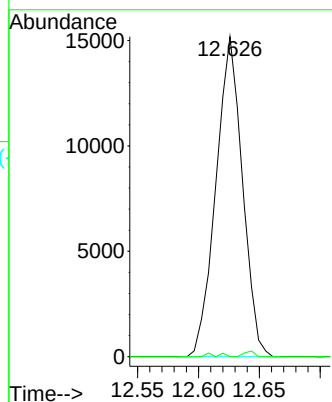
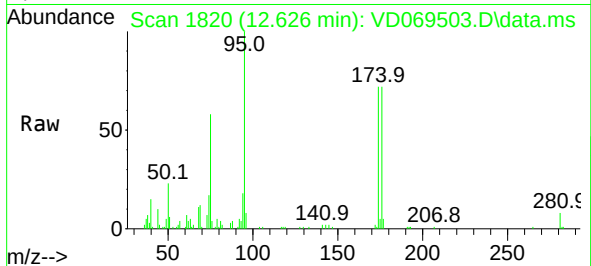




#76
1,2,3-Trichloropropane
Concen: 50.197 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

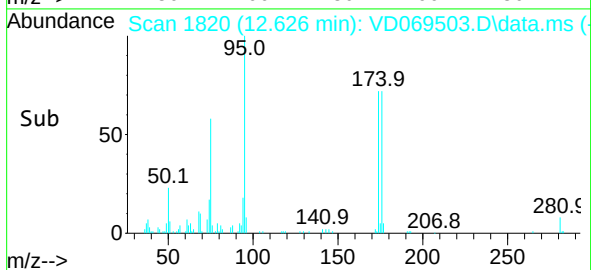
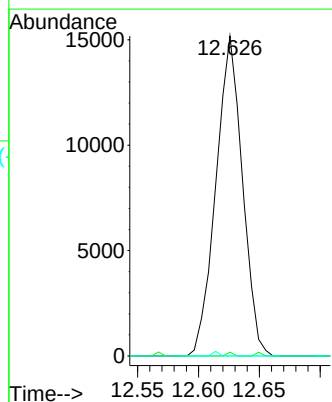
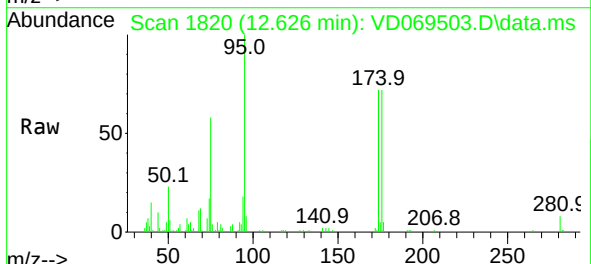
Instrument :
MSVOA_D
ClientSampleId :

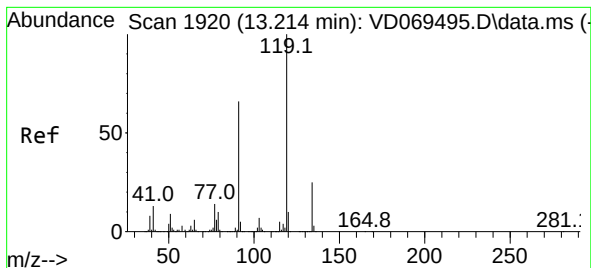
Tgt Ion: 75 Resp: 22984
Ion Ratio Lower Upper
75 100
77 0.5 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.334 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

Tgt Ion: 75 Resp: 22984
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.3 35.3 52.9#

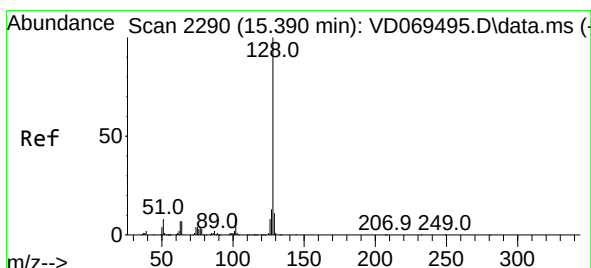
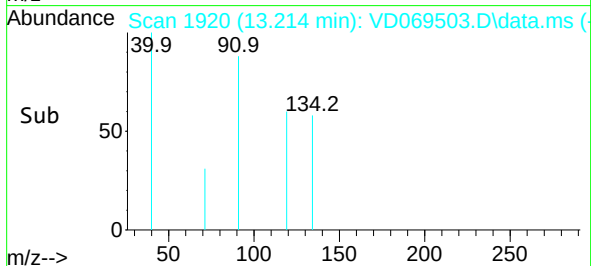
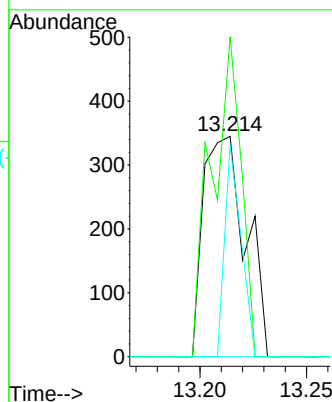
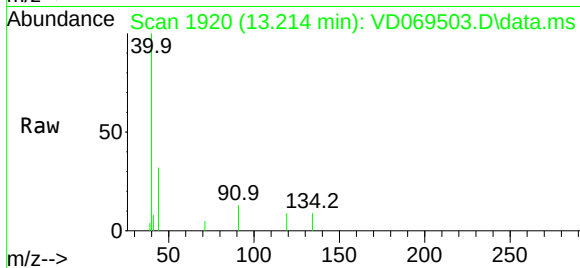




#83
tert-Butylbenzene
Concen: 2.181 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:119 Resp: 477
Ion Ratio Lower Upper
119 100
91 100.6 32.5 97.4#
134 36.7 12.9 38.7



#95
Naphthalene
Concen: 5.840 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069503.D
Acq: 21 Jun 2021 16:28

Tgt Ion:128 Resp: 3872
Ion Ratio Lower Upper
128 100
127 7.3 10.6 16.0#
129 5.7 8.7 13.1#

