

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061521\
 Data File : VD069447.D
 Acq On : 15 Jun 2021 18:36
 Operator : VA/SY
 Sample : M2709-10
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 16 02:01:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

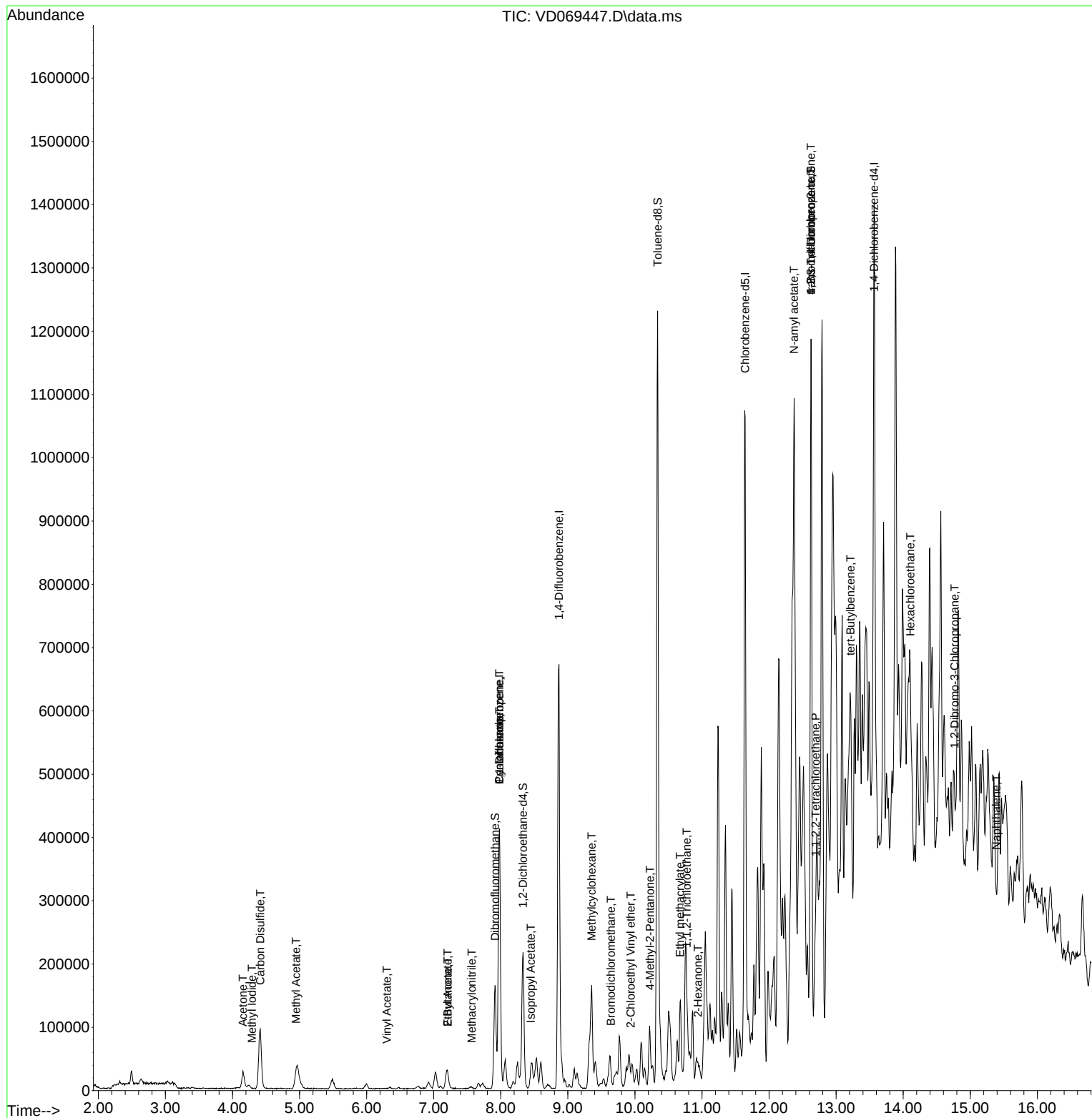
Internal Standards						
1) Pentafluorobenzene	7.979	168	286561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	570109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	624961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	298789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	171888	53.169	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.340%			
35) Dibromofluoromethane	7.914	113	116292	27.234	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 54.460%			
50) Toluene-d8	10.338	98	772844	49.485	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.960%			
62) 4-Bromofluorobenzene	12.626	95	297417	59.350	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 118.700%			
Target Compounds						Qvalue
5) Bromomethane	2.785	94	1160	Below Cal	#	77
10) Methyl Iodide	4.291	142	739	3.534	ug/l #	58
16) Acetone	4.156	43	43629	81.532	ug/l	100
17) Carbon Disulfide	4.414	76	207318	21.089	ug/l	99
18) Methyl Acetate	4.950	43	10220	5.433	ug/l #	46
23) Vinyl Acetate	6.303	43	59	17.589	ug/l #	67
25) 2-Butanone	7.208	43	11188	16.767	ug/l	98
31) Cyclohexane	7.979	56	21637	4.925	ug/l #	77
36) 1,1-Dichloropropene	7.979	75	22102	3.723	ug/l #	52
37) Ethyl Acetate	7.208	43	11188	5.633	ug/l #	82
39) Methylcyclohexane	9.355	83	62956	10.543	ug/l	97
41) Methacrylonitrile	7.567	41	1015	1.027	ug/l #	23
43) Isopropyl Acetate	8.450	43	6454	1.719	ug/l #	46
47) Bromodichloromethane	9.644	83	7322	1.175	ug/l #	28
51) 4-Methyl-2-Pentanone	10.226	43	2022	1.055	ug/l #	71
55) 1,1,2-Trichloroethane	10.773	97	30425	9.108	ug/l #	23
56) Ethyl methacrylate	10.673	69	13549	6.175	ug/l #	34
58) 2-Chloroethyl Vinyl ether	9.938	63	141	12.010	ug/l #	71
59) 2-Hexanone	10.938	43	8941	6.991	ug/l #	20
74) N-amyl acetate	12.373	43	282890	75.069	ug/l #	69
75) 1,1,2,2-Tetrachloroethane	12.696	83	25896	6.421	ug/l #	25
76) 1,2,3-Trichloropropane	12.626	75	132672	43.798	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	132672	116.840	ug/l #	22
83) tert-Butylbenzene	13.214	119	23481	1.558	ug/l	92
90) Hexachloroethane	14.108	117	4366	1.165	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.767	75	641	1.055	ug/l	74
95) Naphthalene	15.390	128	3649	3.898	ug/l #	86

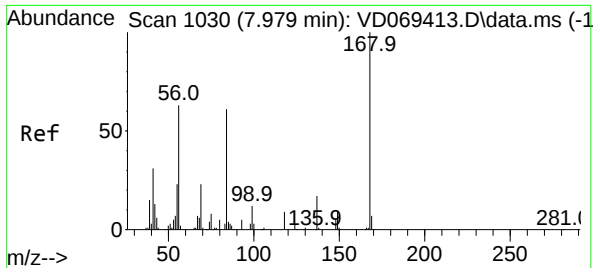
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 16 02:01:59 2021
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Quant Title : SW846 8260
QLast Update : Fri Jun 11 12:50:13 2021
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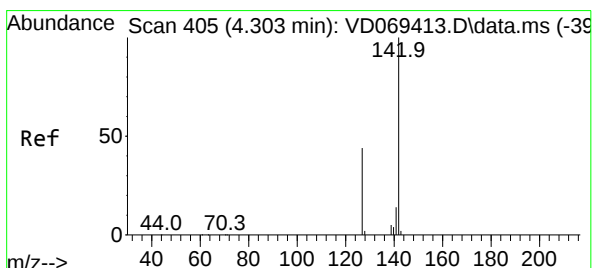
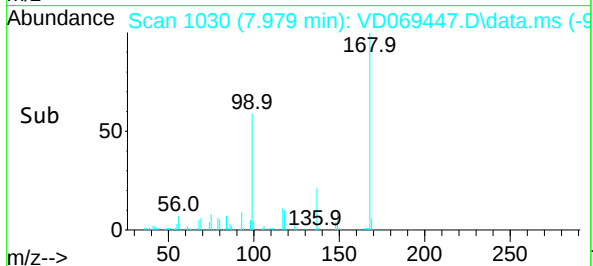
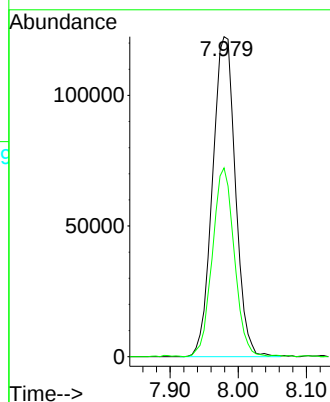
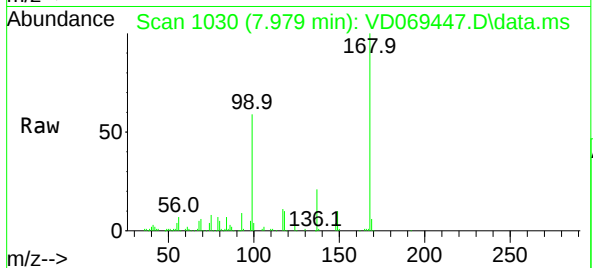




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

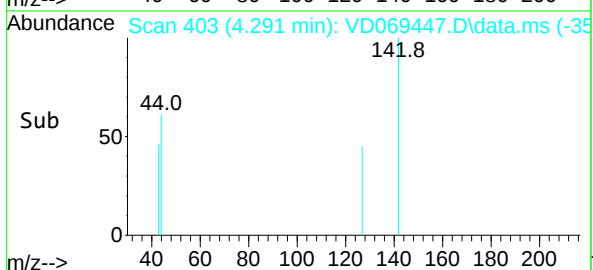
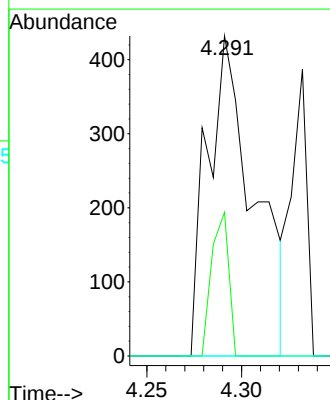
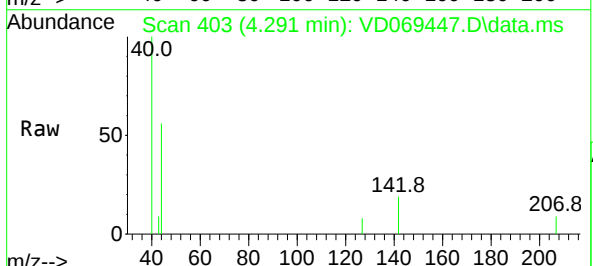
Instrument :
MSVOA_D
ClientSampled :

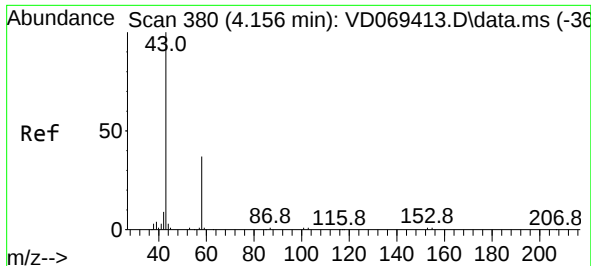
Tgt Ion:168 Resp: 286561
Ion Ratio Lower Upper
168 100
99 58.8 46.2 69.2



#10
Methyl Iodide
Concen: 3.534 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

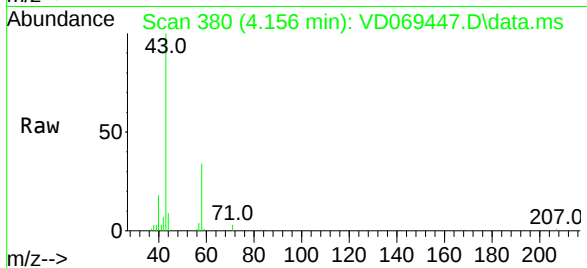
Tgt Ion:142 Resp: 739
Ion Ratio Lower Upper
142 100
127 16.5 36.2 54.2#
141 0.0 12.2 18.2#



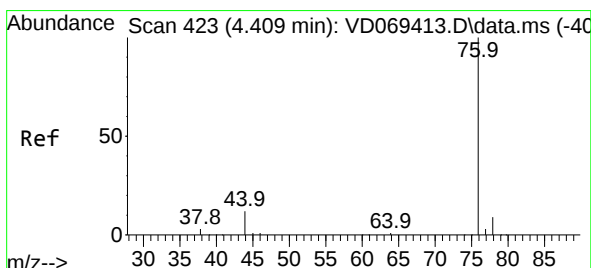
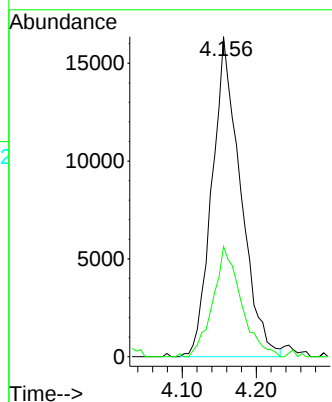
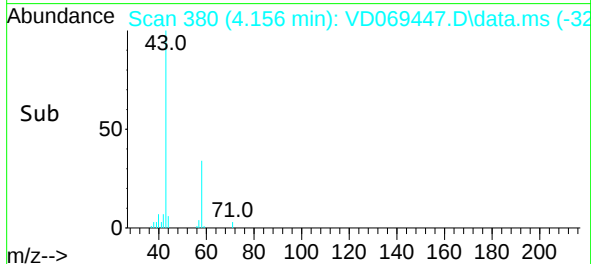


#16
Acetone
Concen: 81.532 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

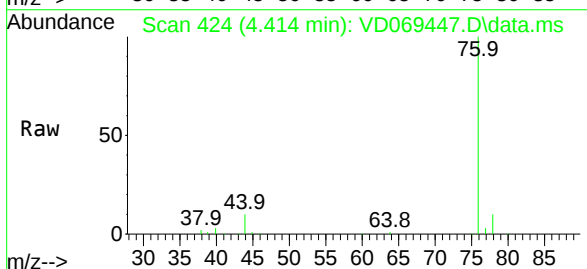
Instrument :
MSVOA_D
ClientSampled :



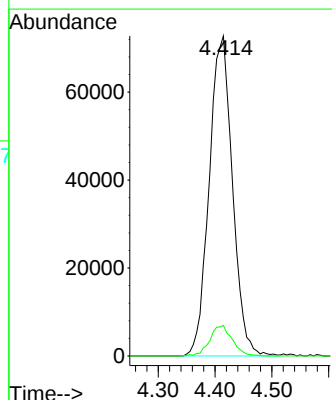
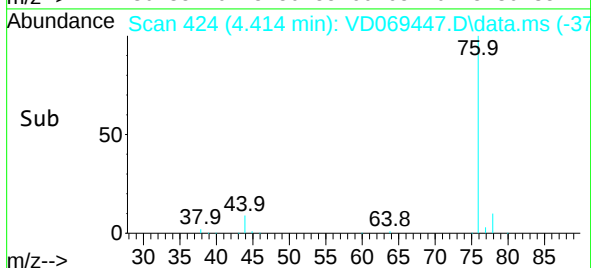
Tgt Ion: 43 Resp: 43629
Ion Ratio Lower Upper
43 100
58 34.4 27.5 41.3

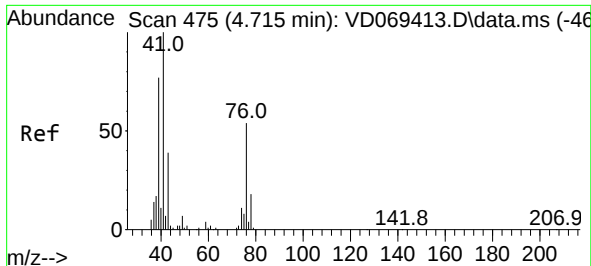


#17
Carbon Disulfide
Concen: 21.089 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.005 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36



Tgt Ion: 76 Resp: 207318
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0





#18

Methyl Acetate

Concen: 5.433 ug/l

RT: 4.950 min Scan# 515

Delta R.T. 0.235 min

Lab File: VD069447.D

Acq: 15 Jun 2021 18:36

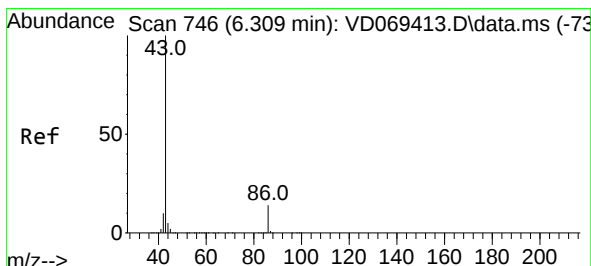
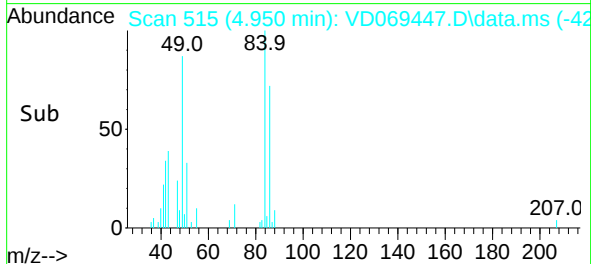
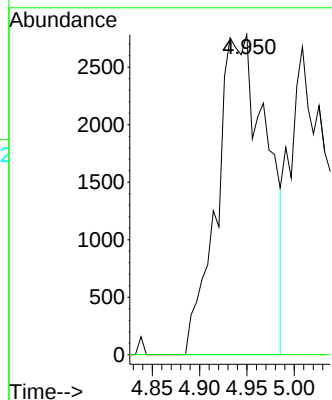
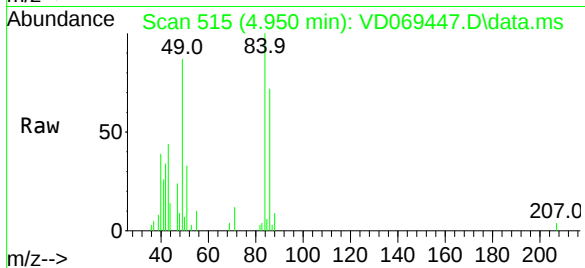
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 43 Resp: 10220

Ion Ratio Lower Upper

43 100

74 0.0 22.8 34.2#



#23

Vinyl Acetate

Concen: 17.589 ug/l

RT: 6.303 min Scan# 745

Delta R.T. -0.006 min

Lab File: VD069447.D

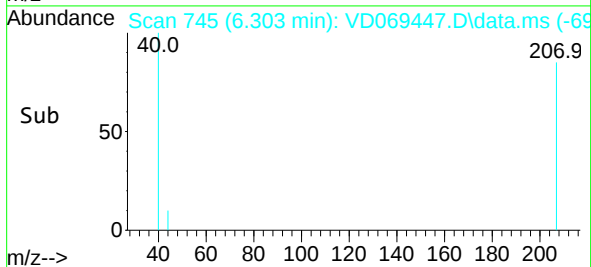
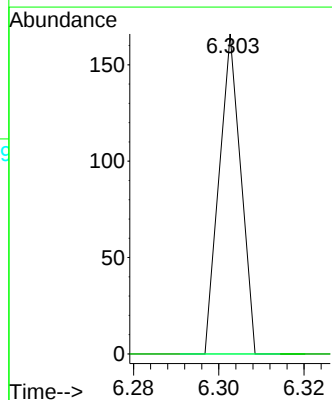
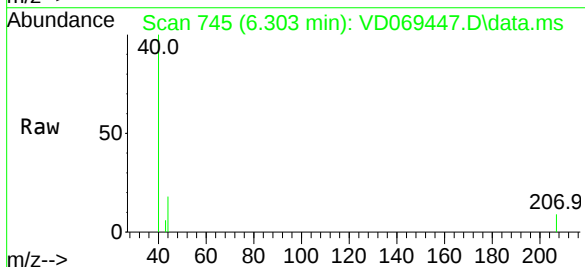
Acq: 15 Jun 2021 18:36

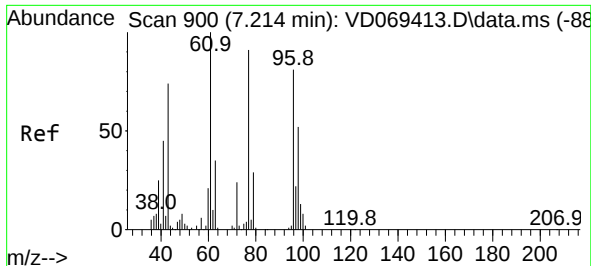
Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

86 0.0 10.5 15.7#

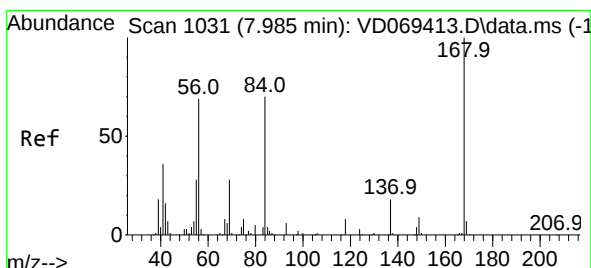
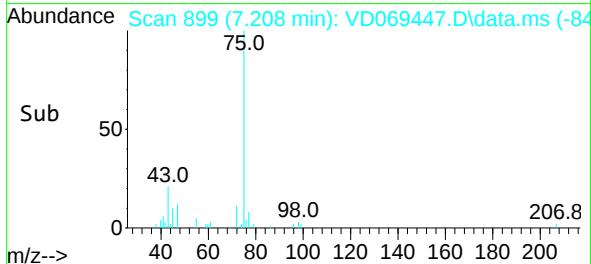
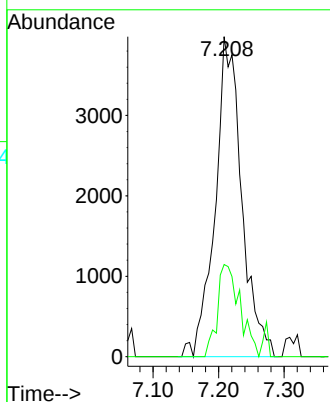
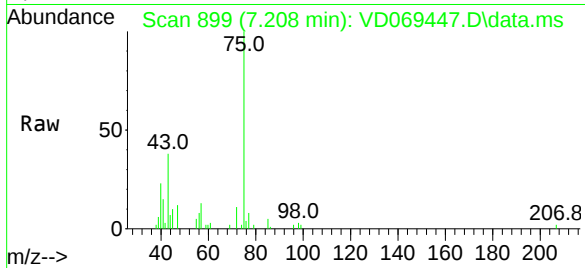




#25
2-Butanone
Concen: 16.767 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

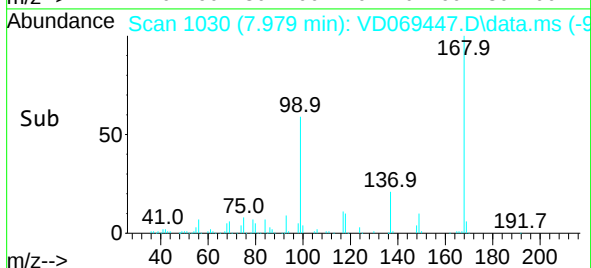
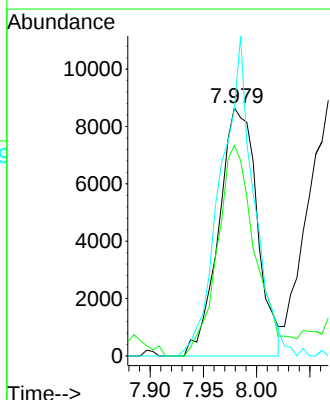
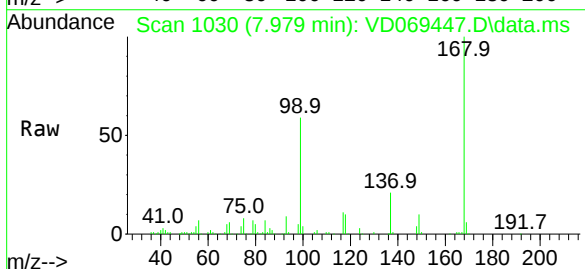
Instrument :
MSVOA_D
ClientSampled :

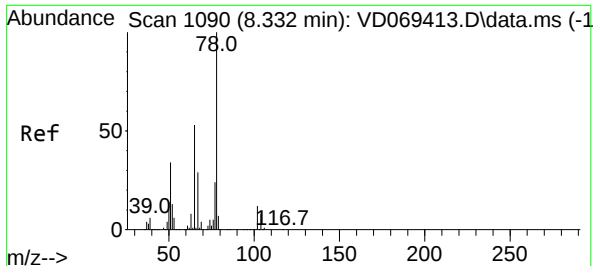
Tgt Ion: 43 Resp: 11188
Ion Ratio Lower Upper
43 100
72 28.8 23.9 35.9



#31
Cyclohexane
Concen: 4.925 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

Tgt Ion: 56 Resp: 21637
Ion Ratio Lower Upper
56 100
69 84.9 29.0 43.4#
84 99.4 81.1 121.7

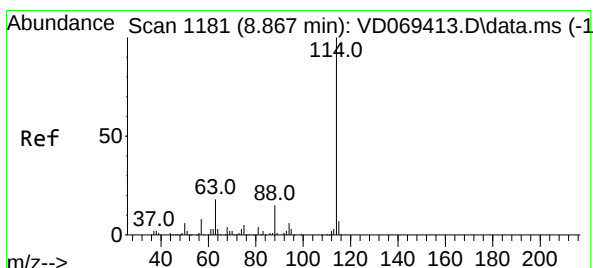
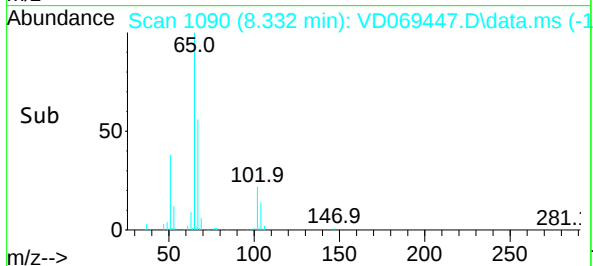
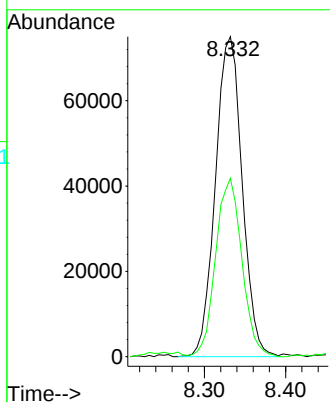
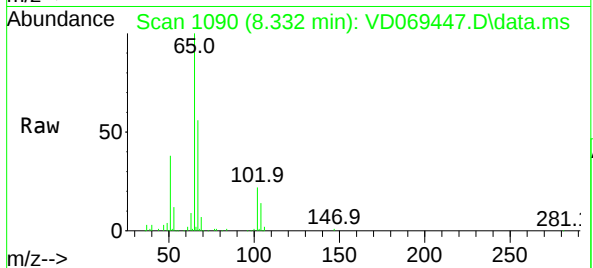




#33
1,2-Dichloroethane-d4
Concen: 53.169 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

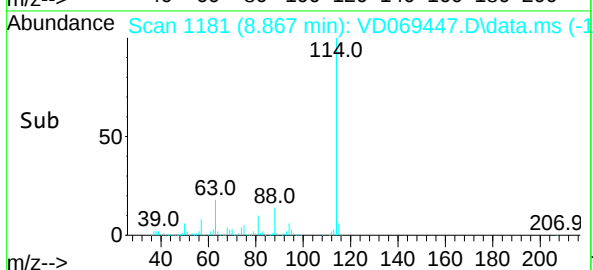
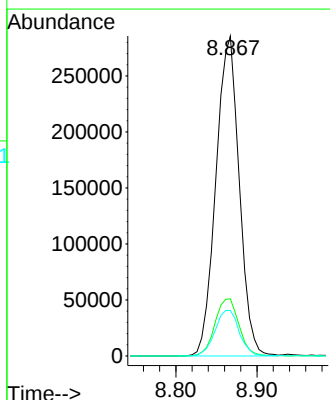
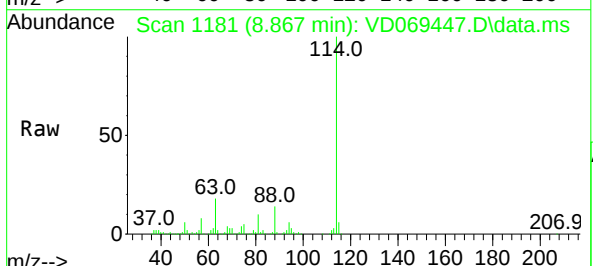
Instrument :
MSVOA_D
ClientSampleId :

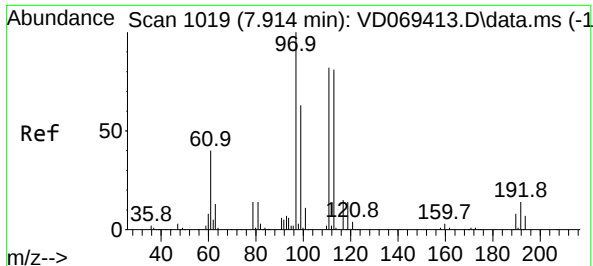
Tgt Ion: 65 Resp: 171888
Ion Ratio Lower Upper
65 100
67 54.7 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

Tgt Ion: 114 Resp: 570109
Ion Ratio Lower Upper
114 100
63 17.8 0.0 35.6
88 14.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 27.234 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069447.D

Acq: 15 Jun 2021 18:36

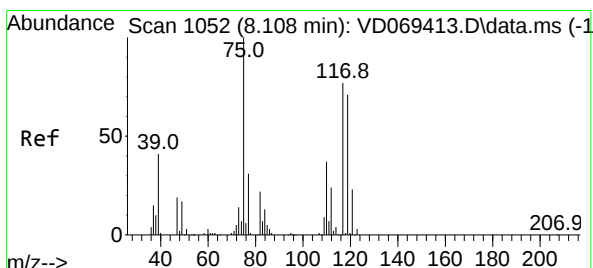
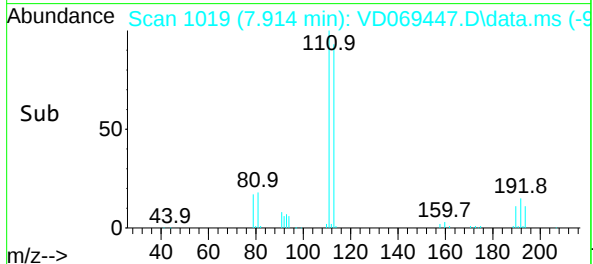
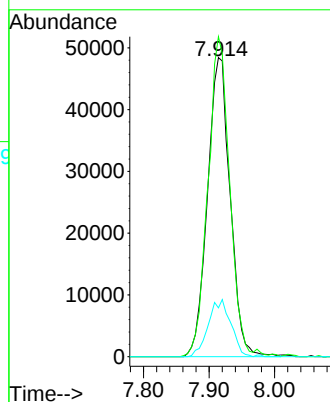
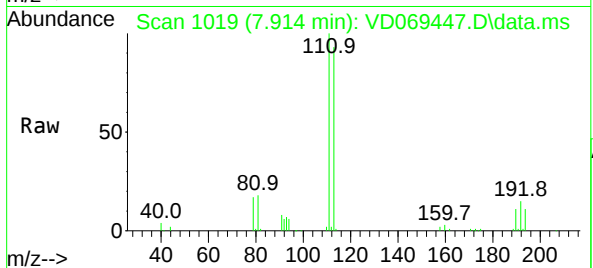
Tgt Ion:113 Resp: 116292

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.6

192 19.0 15.1 22.7



#36

1,1-Dichloropropene

Concen: 3.723 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069447.D

Acq: 15 Jun 2021 18:36

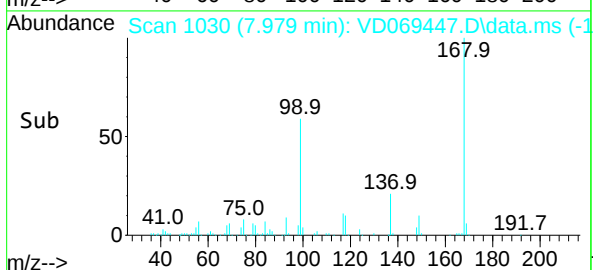
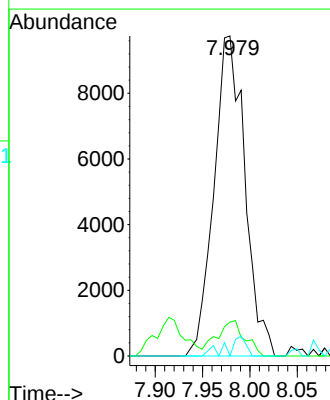
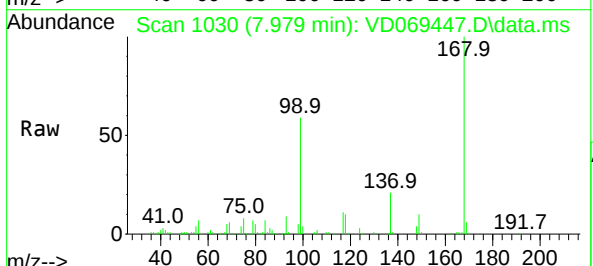
Tgt Ion: 75 Resp: 22102

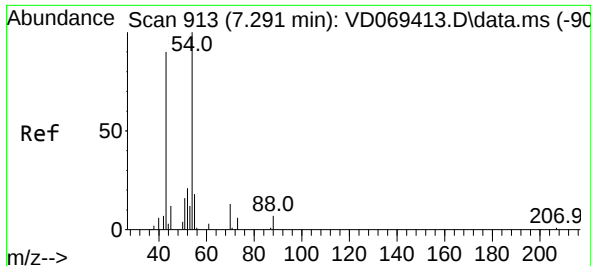
Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.2#

77 2.9 24.9 37.3#





#37

Ethyl Acetate

Concen: 5.633 ug/l

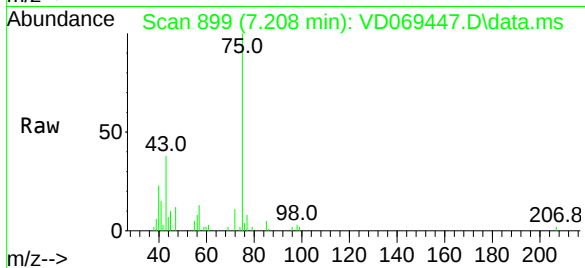
RT: 7.208 min Scan# 899

Delta R.T. -0.083 min

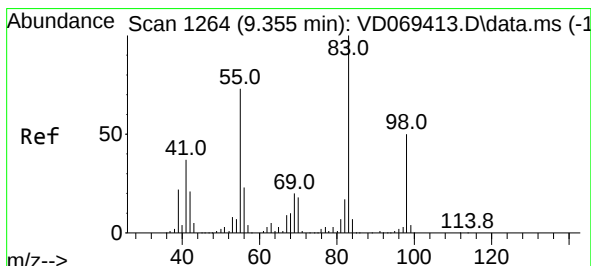
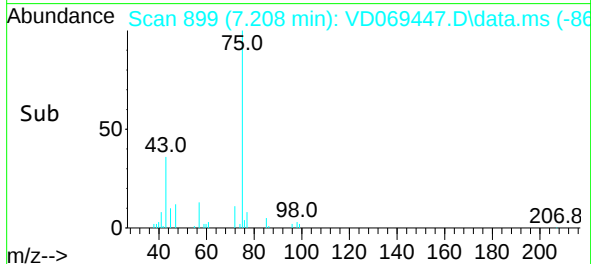
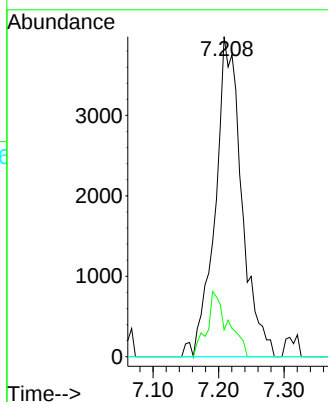
Lab File: VD069447.D

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Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 43	Resp: 11188
Ion Ratio	Lower Upper
43	100
61	16.3 11.0 16.6
70	0.0 9.7 14.5#



#39

Methylcyclohexane

Concen: 10.543 ug/l

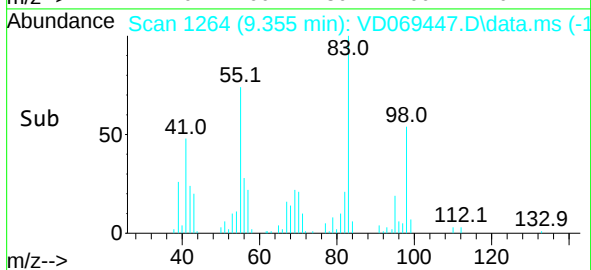
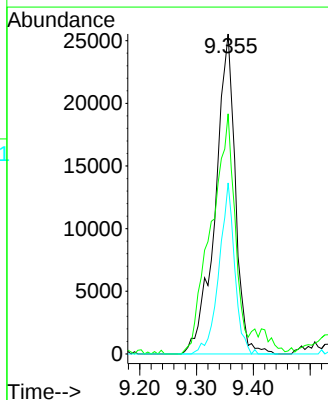
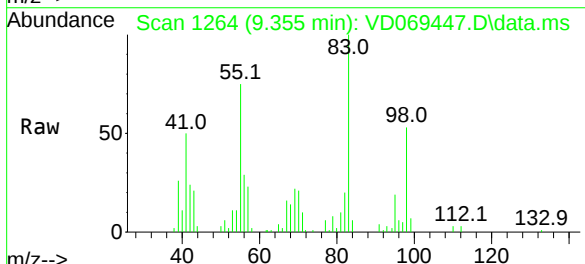
RT: 9.355 min Scan# 1264

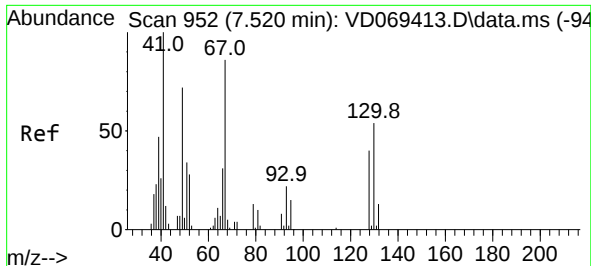
Delta R.T. 0.000 min

Lab File: VD069447.D

Acq: 15 Jun 2021 18:36

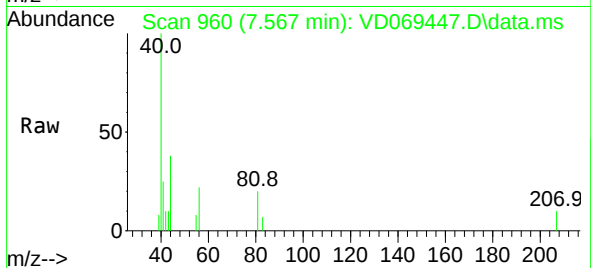
Tgt Ion: 83	Resp: 62956
Ion Ratio	Lower Upper
83	100
55	75.1 57.4 86.2
98	53.5 42.2 63.2



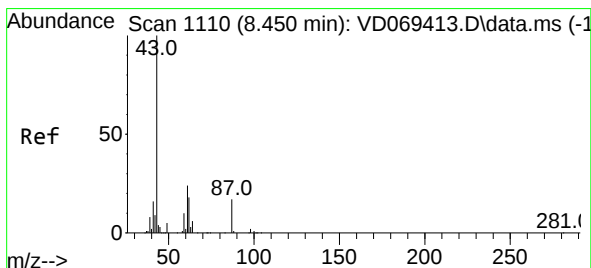
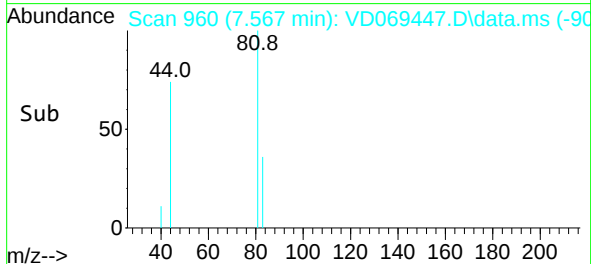
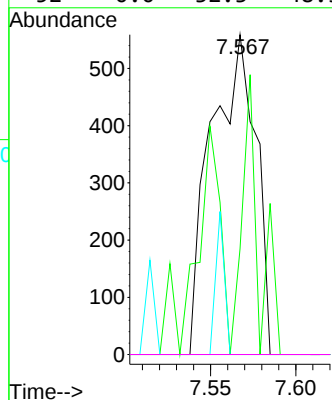


#41
Methacrylonitrile
Concen: 1.027 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.047 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

Instrument :
MSVOA_D
ClientSampled :

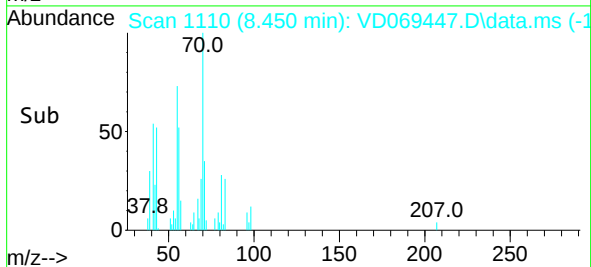
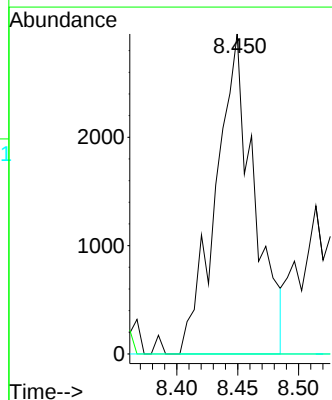
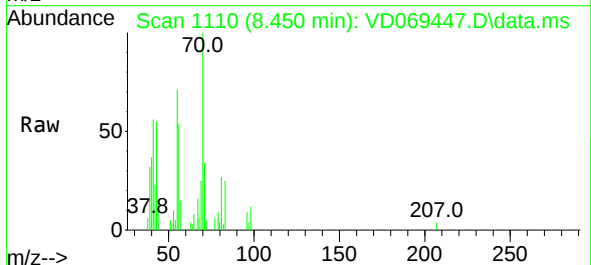


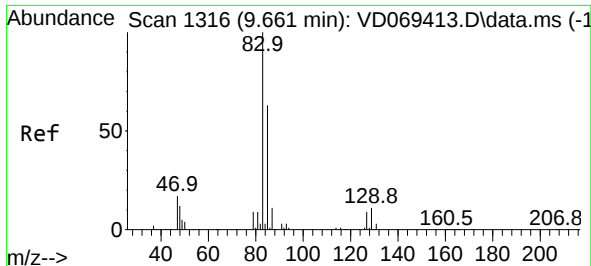
Tgt Ion:	41	Resp:	1015
Ion	Ratio	Lower	Upper
41	100		
39	32.6	50.6	76.0#
67	0.0	86.2	129.4#
52	0.0	32.3	48.5#



#43
Isopropyl Acetate
Concen: 1.719 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

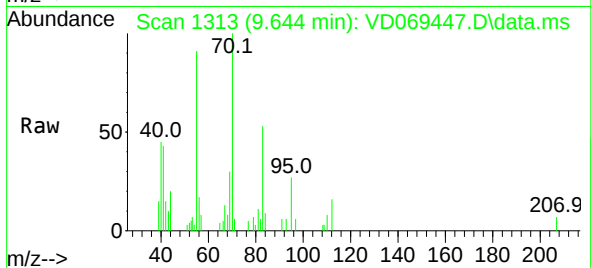
Tgt Ion:	43	Resp:	6454
Ion	Ratio	Lower	Upper
43	100		
61	0.0	29.0	43.6#
87	0.0	12.7	19.1#



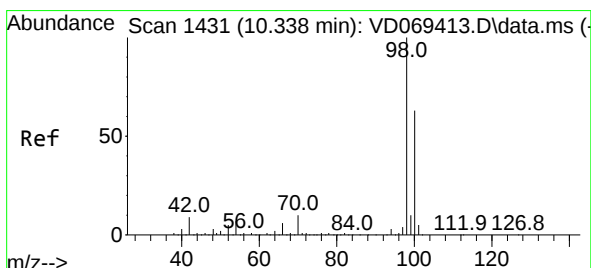
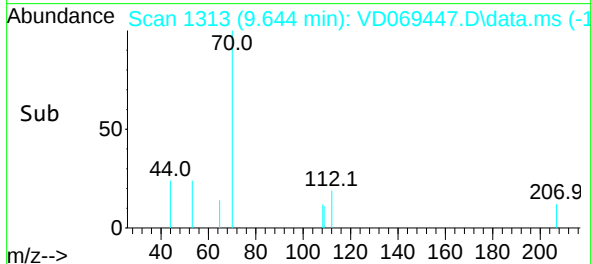
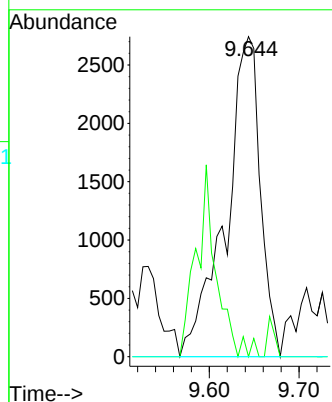


#47
Bromodichloromethane
Concen: 1.175 ug/l
RT: 9.644 min Scan# 1313
Delta R.T. -0.017 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

Instrument :
MSVOA_D
ClientSampleId :

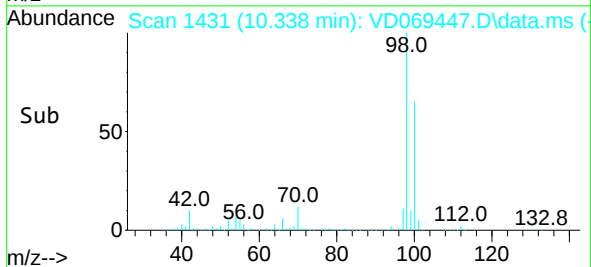
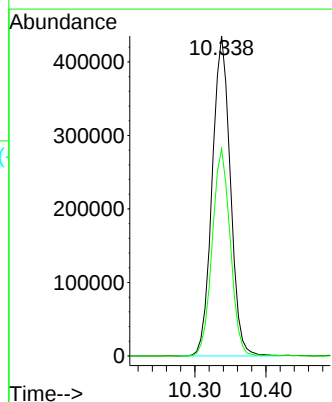
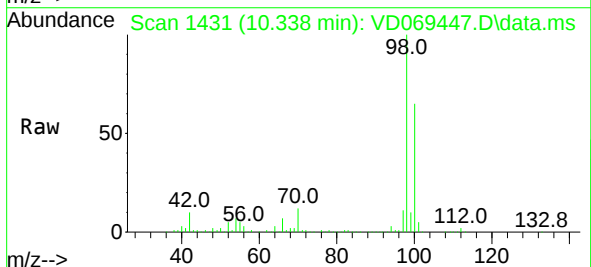


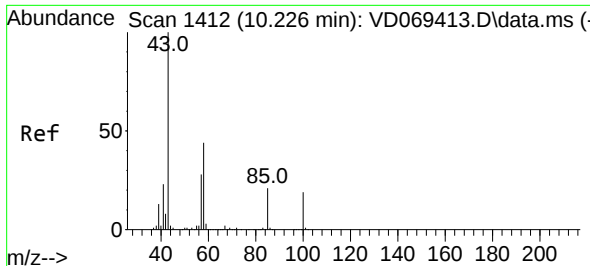
Tgt Ion: 83 Resp: 7322
Ion Ratio Lower Upper
83 100
85 0.0 48.2 72.2#
127 0.0 7.1 10.7#



#50
Toluene-d8
Concen: 49.485 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

Tgt Ion: 98 Resp: 772844
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1

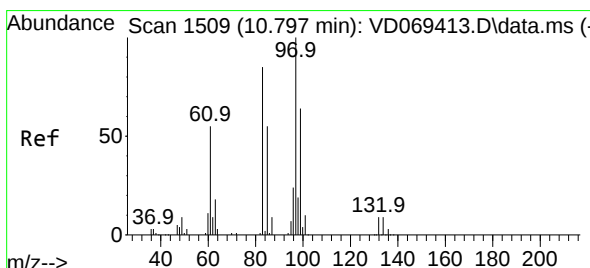
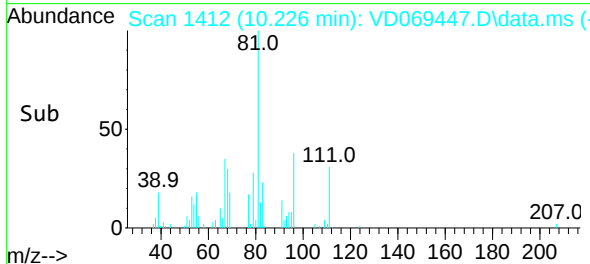
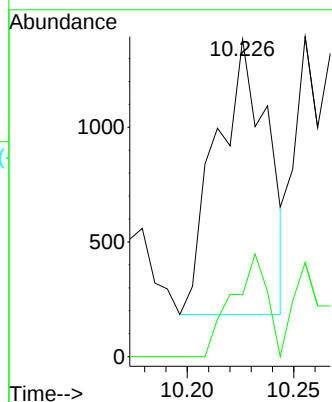
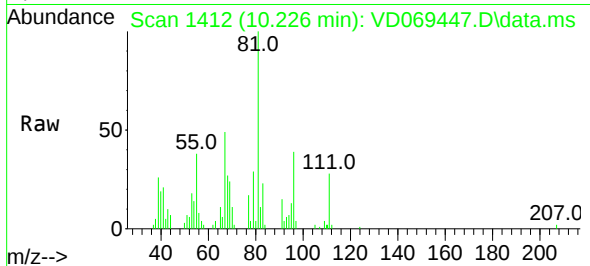




#51
4-Methyl-2-Pentanone
Concen: 1.055 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

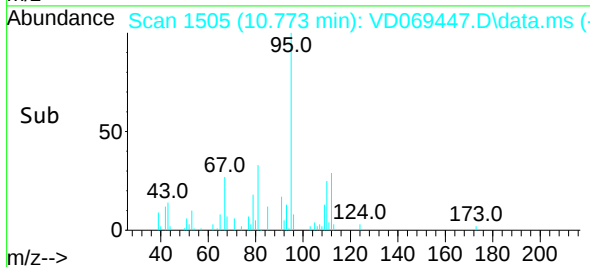
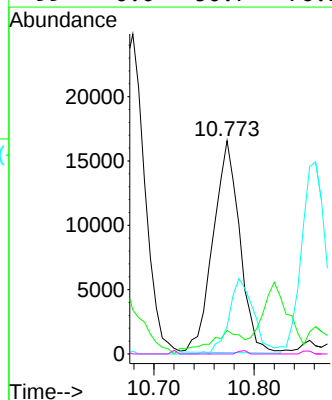
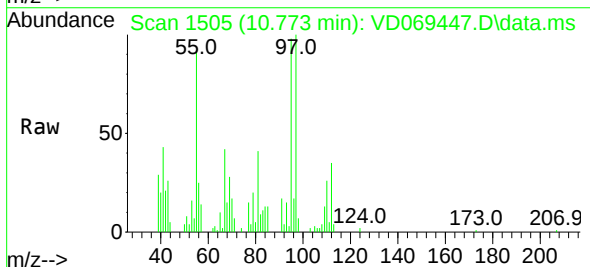
Instrument :
MSVOA_D
ClientSampleId :

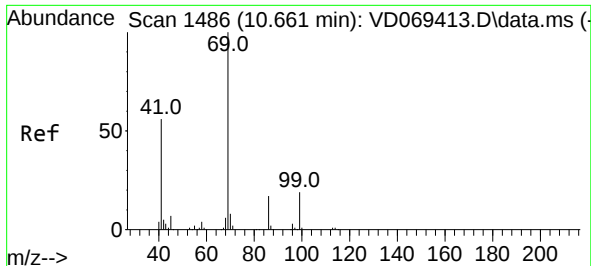
Tgt Ion: 43 Resp: 2022
Ion Ratio Lower Upper
43 100
58 25.1 35.1 52.7#



#55
1,1,2-Trichloroethane
Concen: 9.108 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.024 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

Tgt Ion: 97 Resp: 30425
Ion Ratio Lower Upper
97 100
83 8.6 69.4 104.0#
85 13.1 44.5 66.7#
99 0.0 50.7 76.1#

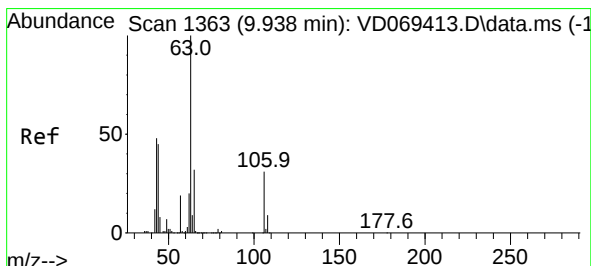
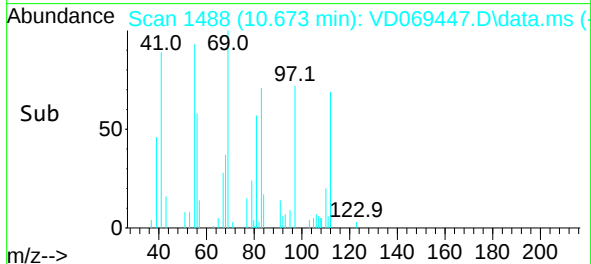
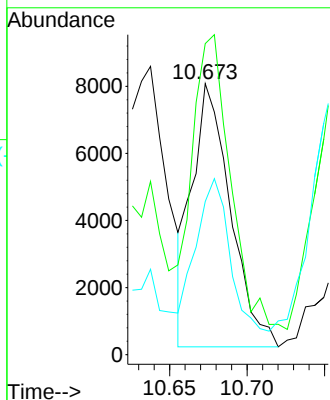
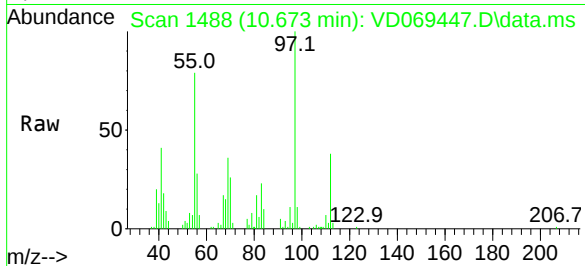




#56
Ethyl methacrylate
Concen: 6.175 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.012 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

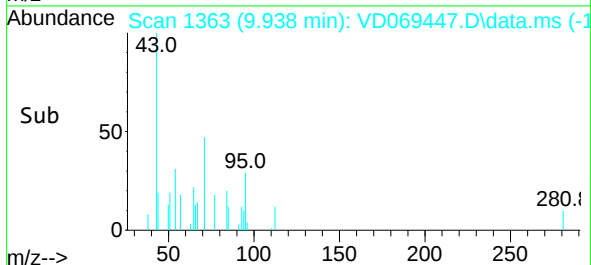
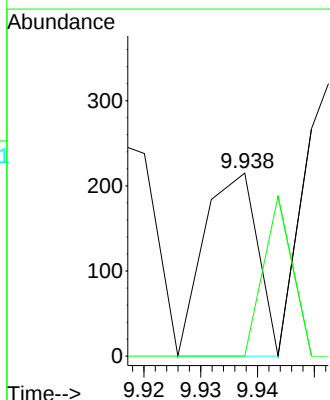
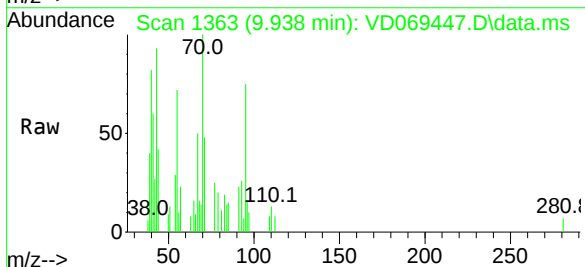
Instrument :
MSVOA_D
ClientSampleId :

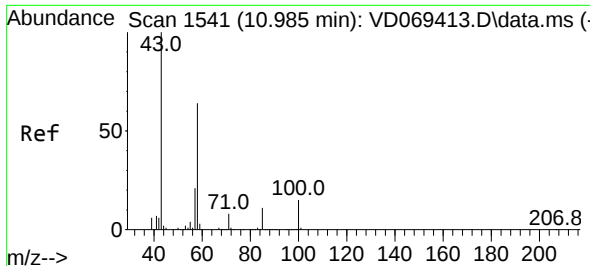
Tgt Ion: 69 Resp: 13549
Ion Ratio Lower Upper
69 100
41 113.2 45.4 68.2#
39 49.7 21.7 32.5#



#58
2-Chloroethyl Vinyl ether
Concen: 12.010 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

Tgt Ion: 63 Resp: 141
Ion Ratio Lower Upper
63 100
106 46.8 24.8 37.2#

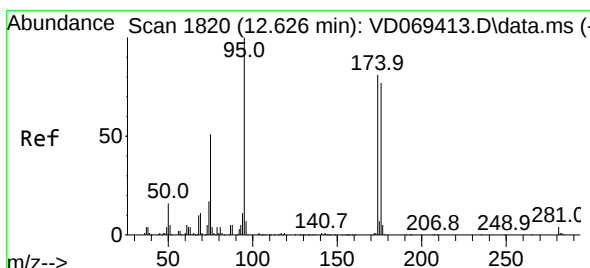
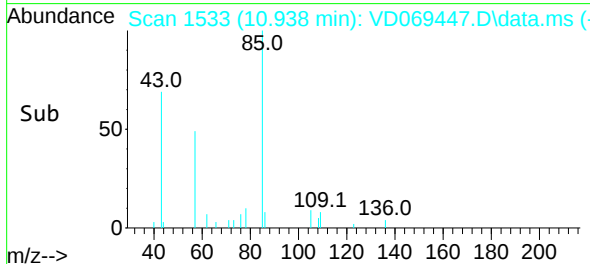
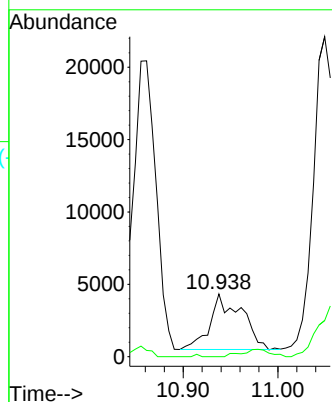
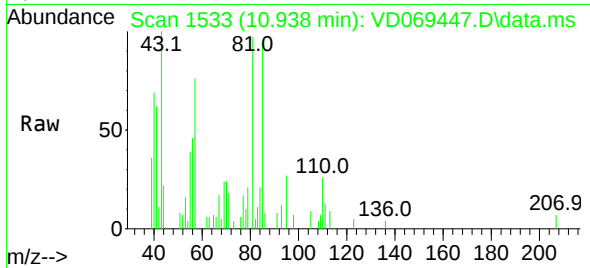




#59
2-Hexanone
Concen: 6.991 ug/l
RT: 10.938 min Scan# 1533
Delta R.T. -0.047 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

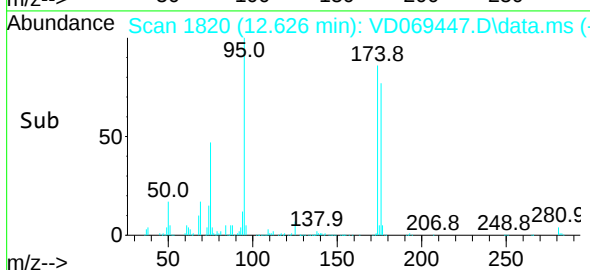
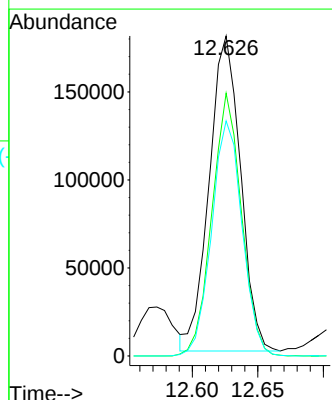
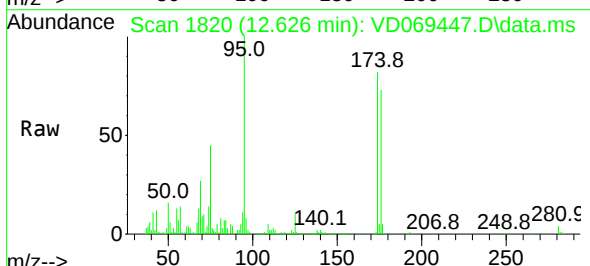
Instrument :
MSVOA_D
ClientSampled :

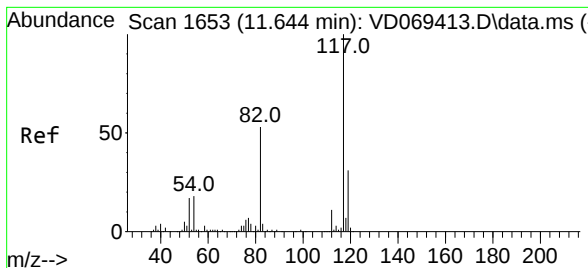
Tgt Ion: 43 Resp: 8941
Ion Ratio Lower Upper
43 100
58 0.0 30.8 92.3#



#62
4-Bromofluorobenzene
Concen: 59.350 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

Tgt Ion: 95 Resp: 297417
Ion Ratio Lower Upper
95 100
174 78.5 0.0 162.8
176 72.8 0.0 154.4

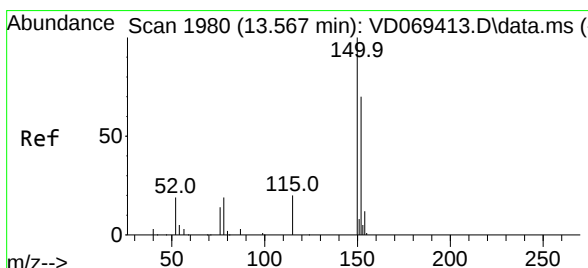
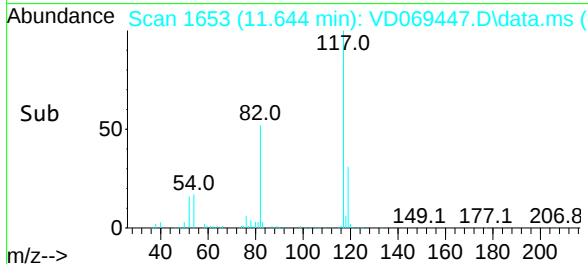
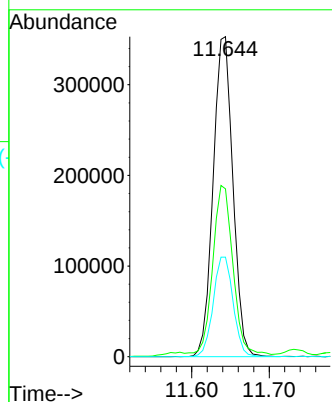
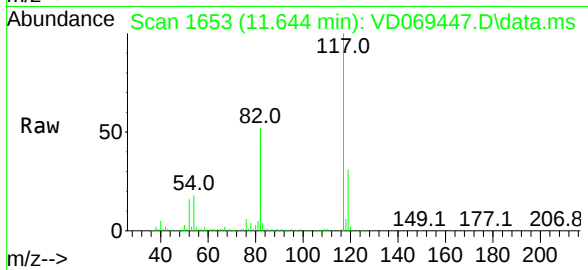




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

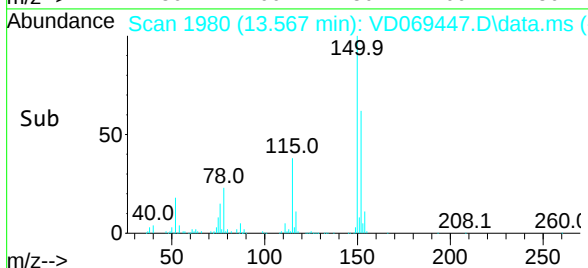
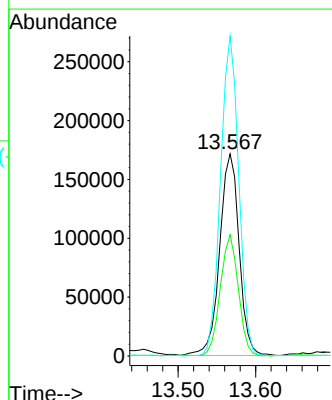
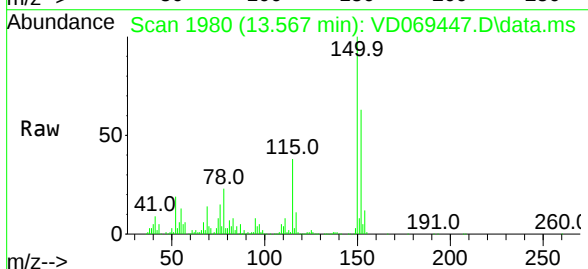
Instrument :
MSVOA_D
ClientSampleId :

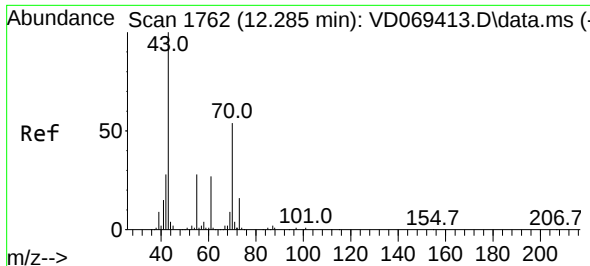
Tgt Ion:117 Resp: 624961
Ion Ratio Lower Upper
117 100
82 51.5 43.3 64.9
119 31.1 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

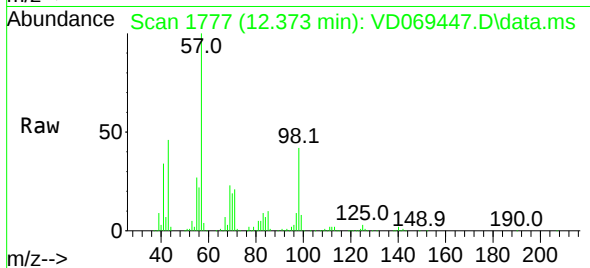
Tgt Ion:152 Resp: 298789
Ion Ratio Lower Upper
152 100
115 55.8 29.4 88.3
150 149.0 0.0 355.0



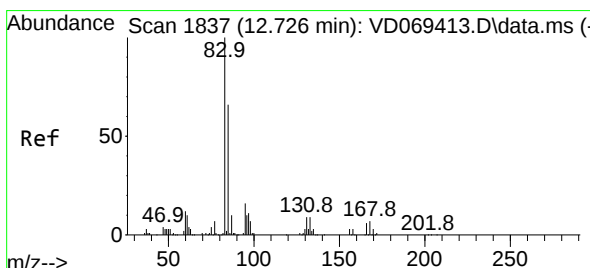
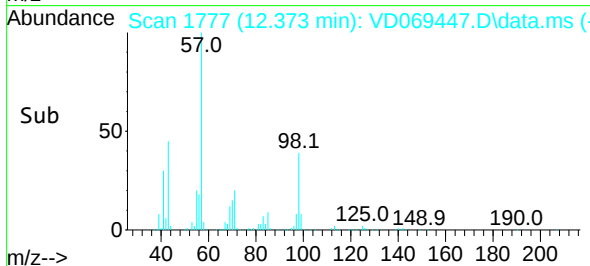
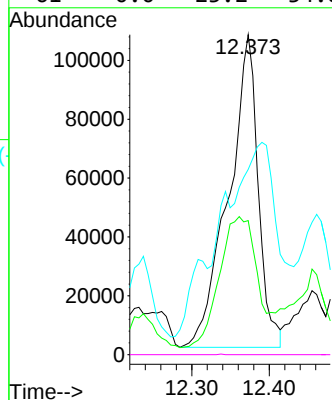


#74
N-amy1 acetate
Concen: 75.069 ug/l
RT: 12.373 min Scan# 1777
Delta R.T. 0.088 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

Instrument :
MSVOA_D
ClientSampled :

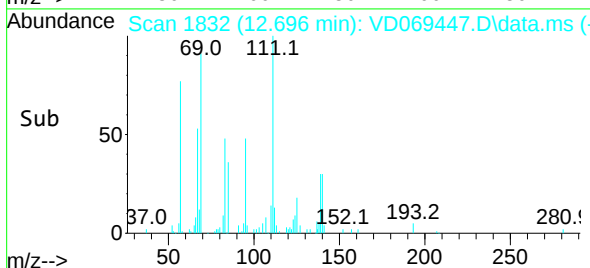
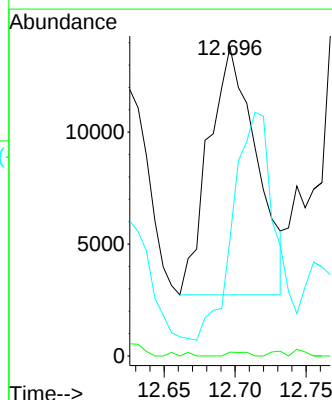
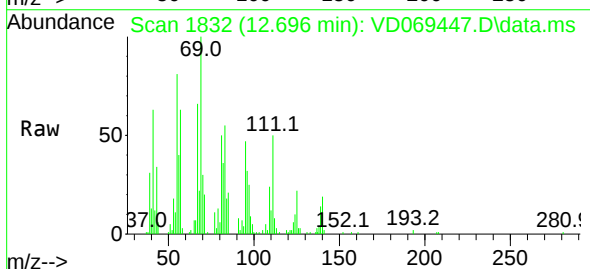


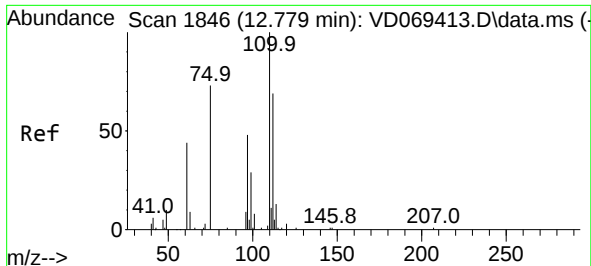
Tgt Ion: 43 Resp: 282890
Ion Ratio Lower Upper
43 100
70 54.5 40.9 61.3
55 0.0 23.4 35.0#
61 0.0 23.2 34.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 6.421 ug/l
RT: 12.696 min Scan# 1832
Delta R.T. -0.030 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

Tgt Ion: 83 Resp: 25896
Ion Ratio Lower Upper
83 100
131 0.7 5.3 16.1#
85 0.0 32.6 98.0#

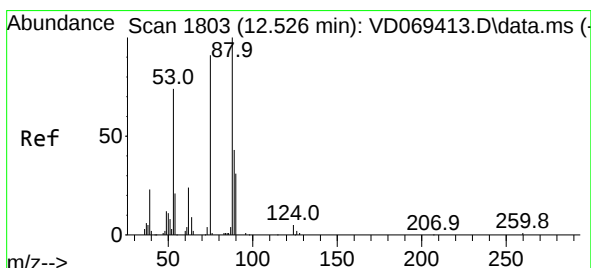
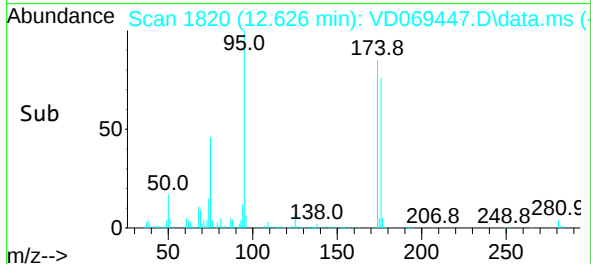
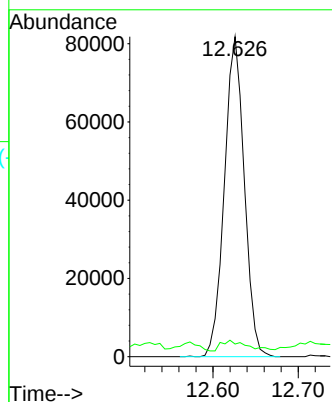
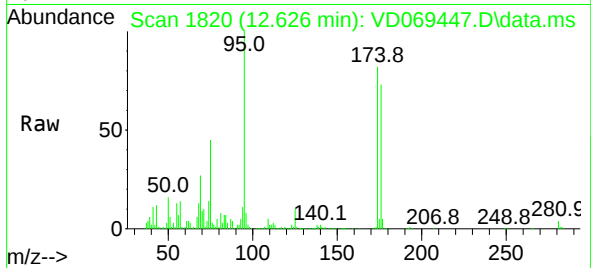




#76
1,2,3-Trichloropropane
Concen: 43.798 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

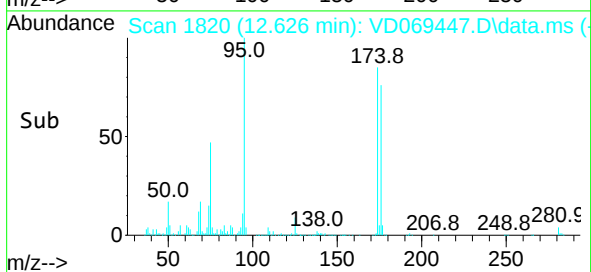
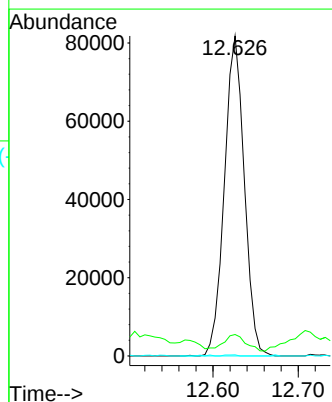
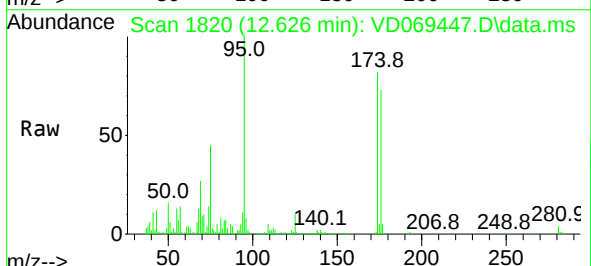
Instrument :
MSVOA_D
ClientSampleId :

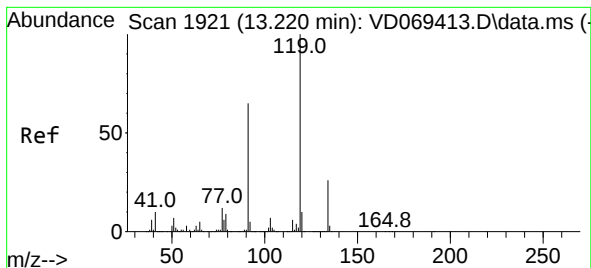
Tgt Ion: 75 Resp: 132672
Ion Ratio Lower Upper
75 100
77 4.3 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.840 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

Tgt Ion: 75 Resp: 132672
Ion Ratio Lower Upper
75 100
53 5.5 62.6 94.0#
89 0.2 35.6 53.4#

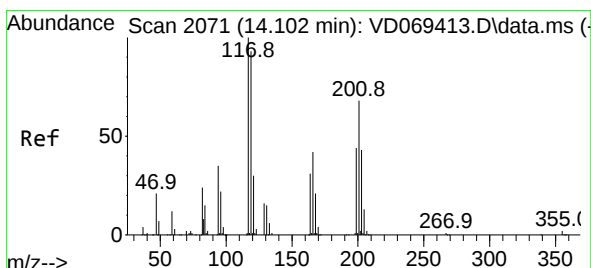
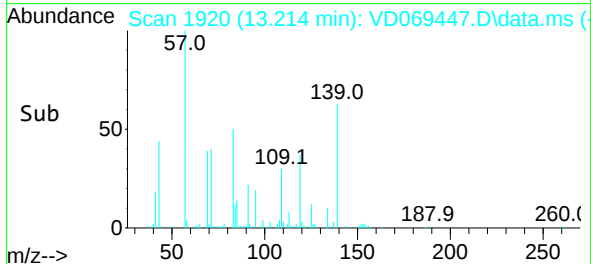
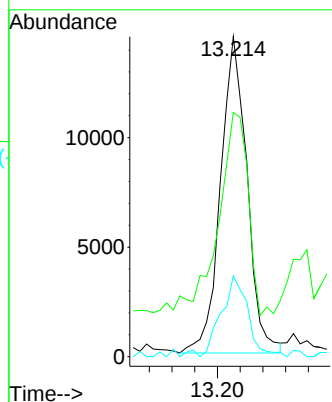
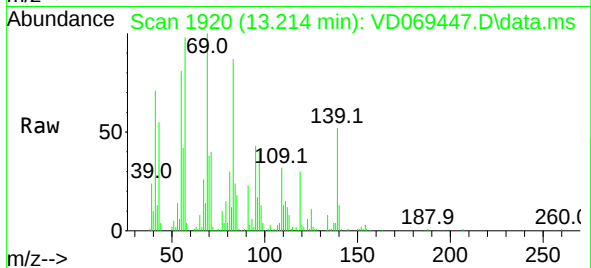




#83
tert-Butylbenzene
Concen: 1.558 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.006 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

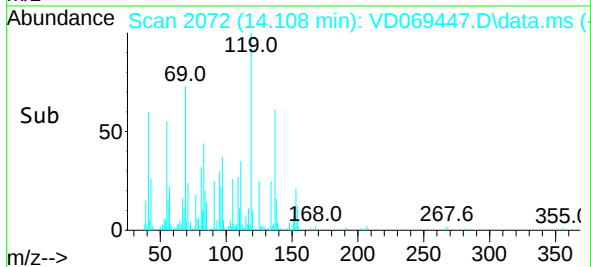
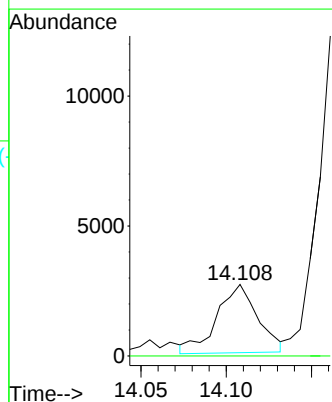
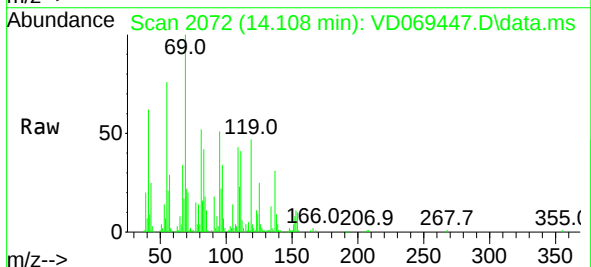
Instrument :
MSVOA_D
ClientSampleId :

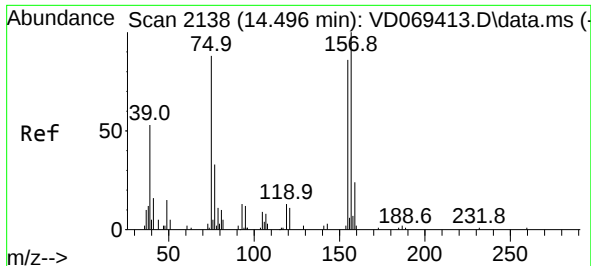
Tgt Ion:119 Resp: 23481
Ion Ratio Lower Upper
119 100
91 71.5 31.7 95.1
134 26.2 13.4 40.1



#90
Hexachloroethane
Concen: 1.165 ug/l
RT: 14.108 min Scan# 2072
Delta R.T. 0.006 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

Tgt Ion:117 Resp: 4366
Ion Ratio Lower Upper
117 100
201 0.0 36.0 108.1#

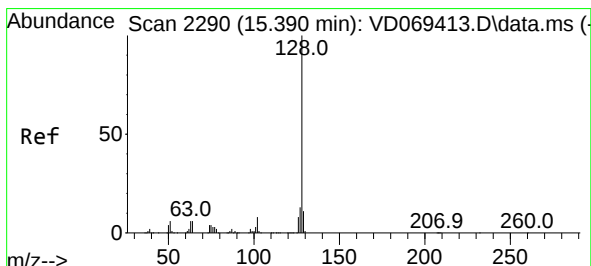
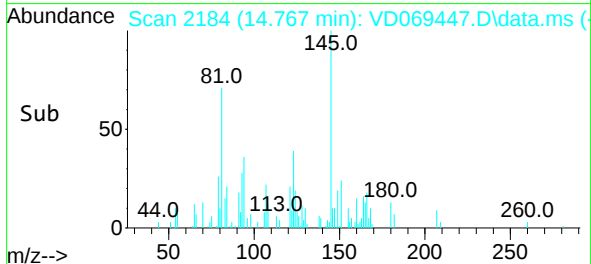
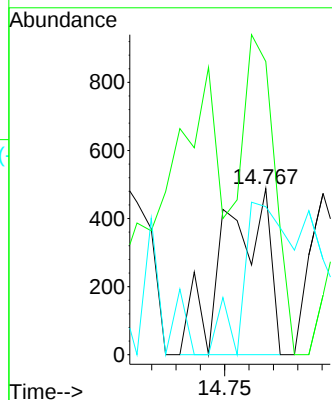
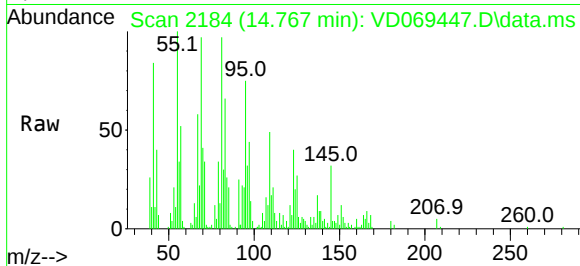




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.055 ug/l
RT: 14.767 min Scan# 2184
Delta R.T. 0.271 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 641
Ion Ratio Lower Upper
75 100
155 64.9 42.1 126.4
157 78.5 54.4 163.3



#95
Naphthalene
Concen: 3.898 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069447.D
Acq: 15 Jun 2021 18:36

Tgt Ion: 128 Resp: 3649
Ion Ratio Lower Upper
128 100
127 20.9 10.4 15.6#
129 13.6 8.8 13.2#

