

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061721\
 Data File : VD069488.D
 Acq On : 17 Jun 2021 19:10
 Operator : VA/SY
 Sample : M2764-01
 Misc : 10.89G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 18 01:28:53 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)

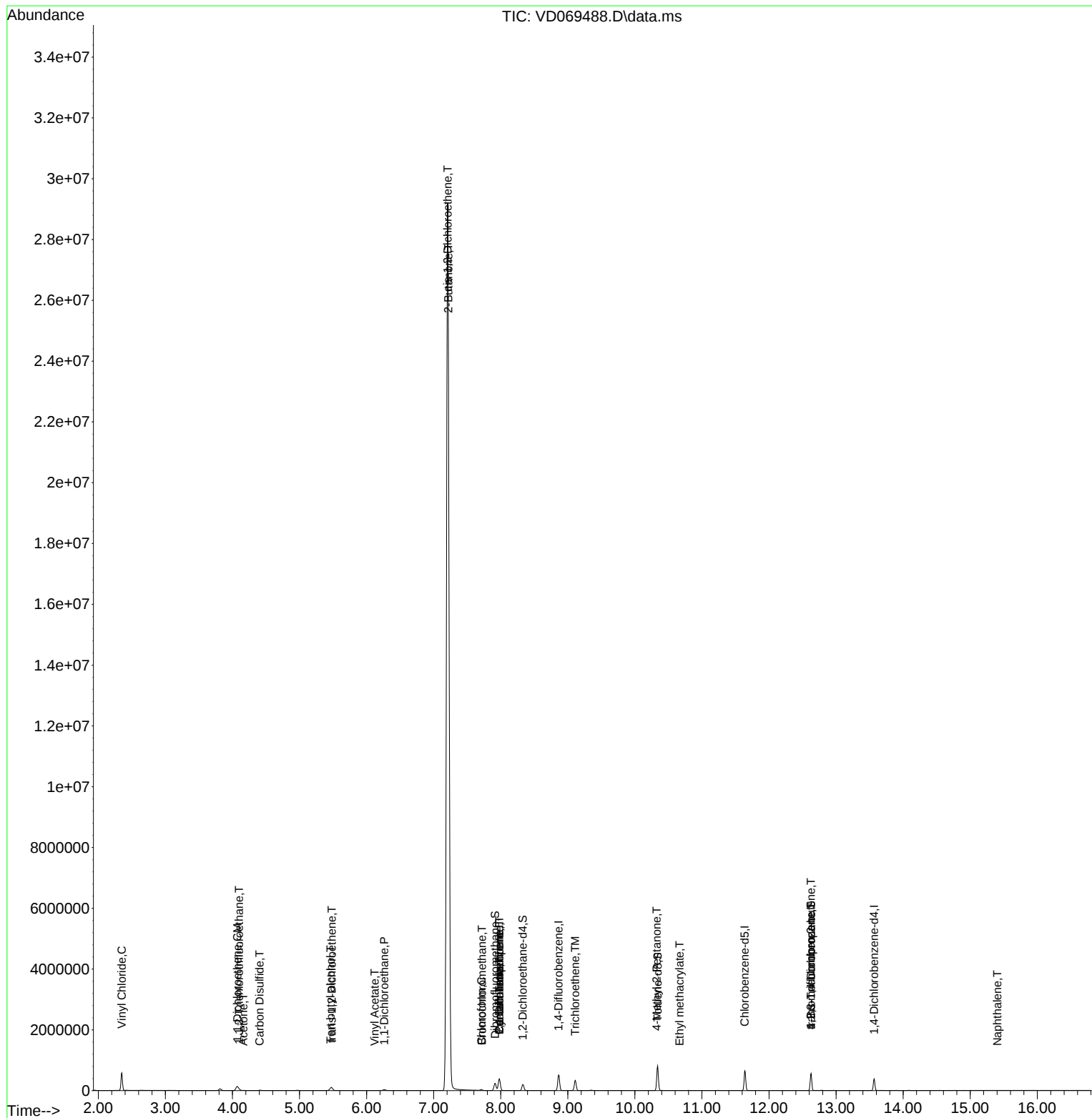
Internal Standards						
1) Pentafluorobenzene	7.979	168	280030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	462733	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	394307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	105451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	161814	51.220	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.440%	
35) Dibromofluoromethane	7.914	113	174951	50.478	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.960%	
50) Toluene-d8	10.338	98	560602	44.224	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.440%	
62) 4-Bromofluorobenzene	12.626	95	136260	33.501	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 67.000%	
Target Compounds						Qvalue
4) Vinyl Chloride	2.350	62	533608	158.085	ug/l	100
5) Bromomethane	2.762	94	138	Below Cal	#	26
9) 1,1,2-Trichlorotrifluo...	4.097	101	22804	6.946	ug/l	98
11) Tert butyl alcohol	5.462	59	2668	16.244	ug/l #	73
12) 1,1-Dichloroethene	4.073	96	73208	24.650	ug/l	95
16) Acetone	4.162	43	9160	17.517	ug/l #	76
17) Carbon Disulfide	4.403	76	27406	2.853	ug/l	100
18) Methyl Acetate	4.926	43	81	Below Cal	#	46
20) Methylene Chloride	4.968	84	7759	Below Cal		98
21) trans-1,2-Dichloroethene	5.479	96	71690	20.617	ug/l	97
23) Vinyl Acetate	6.120	43	59	17.589	ug/l #	67
24) 1,1-Dichloroethane	6.262	63	42950	7.429	ug/l	98
25) 2-Butanone	7.220	43	2636	4.043	ug/l #	1
27) cis-1,2-Dichloroethene	7.209	96	19064364	5065.126	ug/l	87
28) Bromochloromethane	7.720	49	2762	1.304	ug/l #	7
30) Chloroform	7.714	83	29077	4.514	ug/l	98
31) Cyclohexane	7.979	56	8159	1.901	ug/l #	3
36) 1,1-Dichloropropene	7.979	75	22951	4.763	ug/l #	41
38) Carbon Tetrachloride	7.979	117	28914	5.540	ug/l #	16
44) Trichloroethene	9.108	130	122769	31.390	ug/l	97
51) 4-Methyl-2-Pentanone	10.326	43	2194	1.411	ug/l #	1
56) Ethyl methacrylate	10.667	69	139	2.866	ug/l #	33
76) 1,2,3-Trichloropropane	12.626	75	66866	62.545	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	66866	166.852	ug/l #	18
95) Naphthalene	15.402	128	56	3.585	ug/l #	69

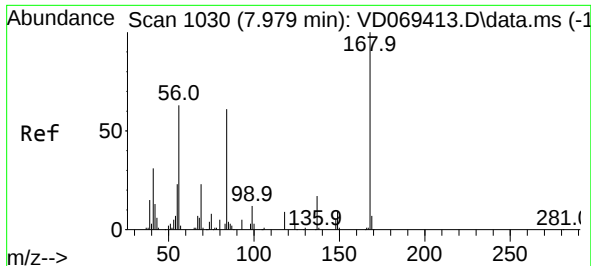
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 18 01:28:53 2021
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Quant Title : SW846 8260
QLast Update : Fri Jun 11 12:50:13 2021
Response via : Initial Calibration

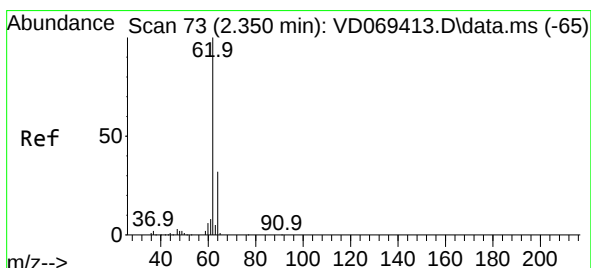
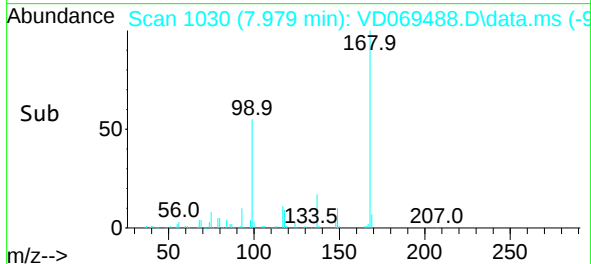
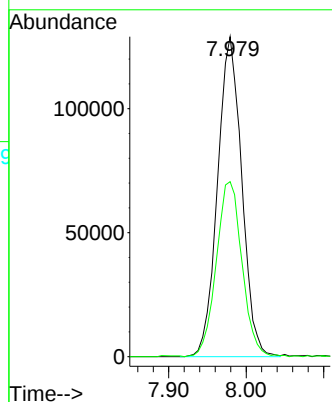
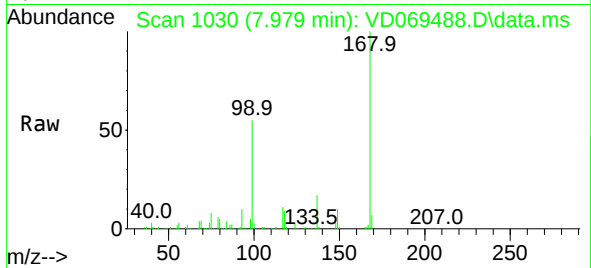




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

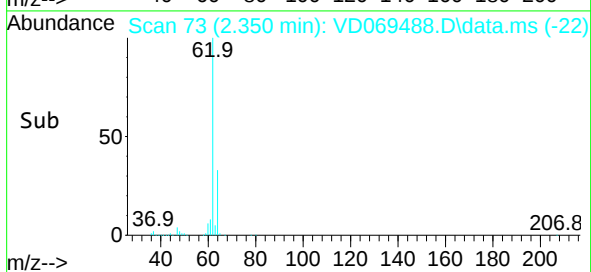
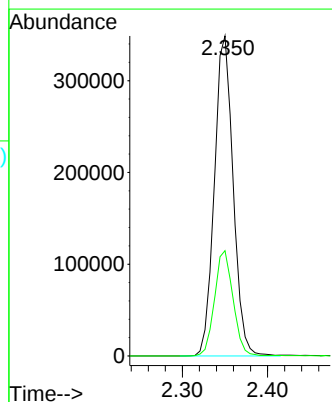
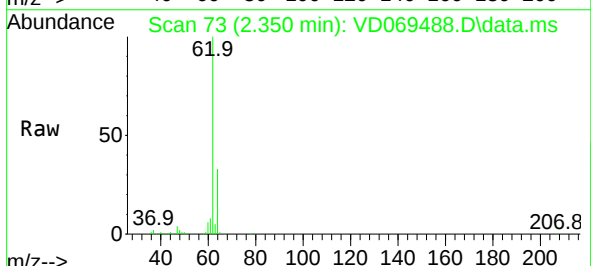
Instrument :
MSVOA_D
ClientSampled :

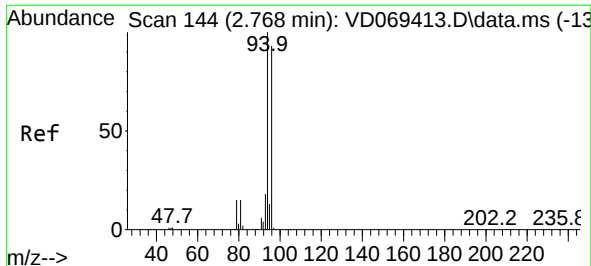
Tgt Ion:168 Resp: 280030
Ion Ratio Lower Upper
168 100
99 54.4 46.2 69.2



#4
Vinyl Chloride
Concen: 158.085 ug/l
RT: 2.350 min Scan# 73
Delta R.T. 0.000 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

Tgt Ion: 62 Resp: 533608
Ion Ratio Lower Upper
62 100
64 32.9 26.2 39.4

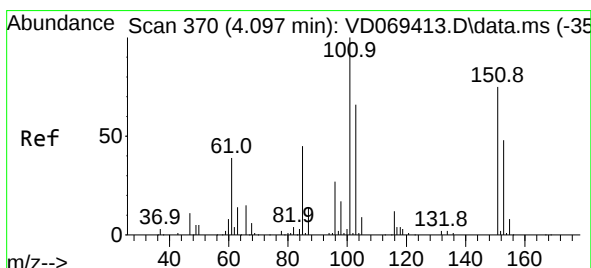
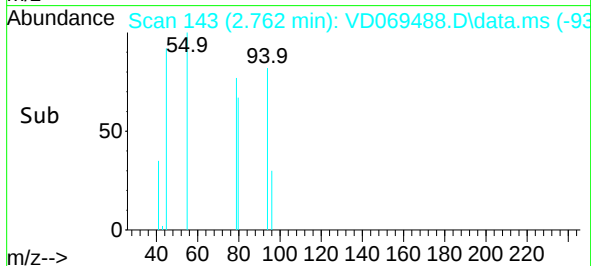
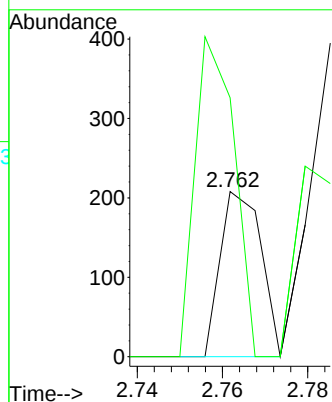
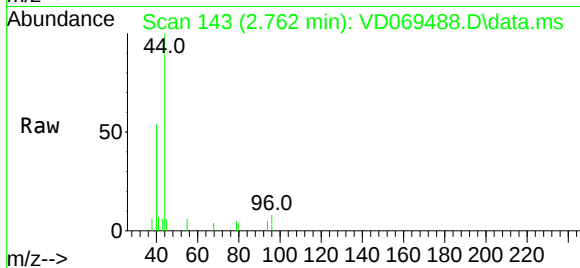




#5
Bromomethane
Concen: Below Cal
RT: 2.762 min Scan# 143
Delta R.T. -0.006 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

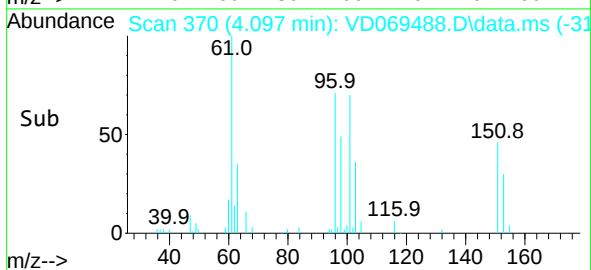
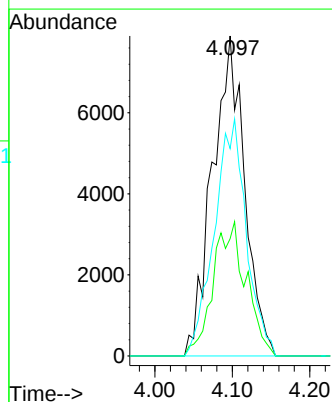
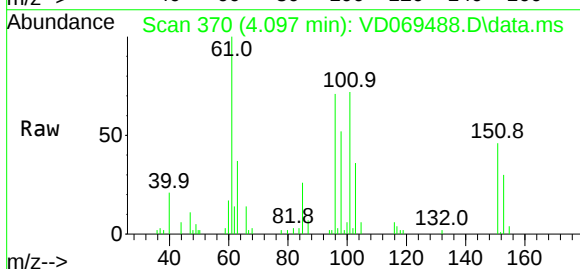
Instrument :
MSVOA_D
ClientSampled :

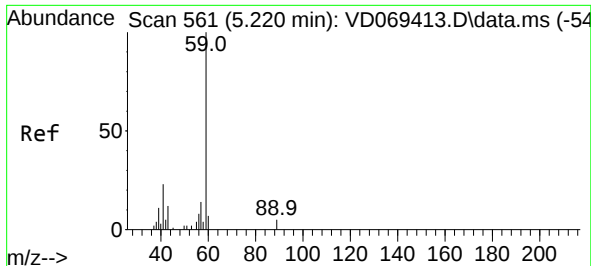
Tgt Ion: 94 Resp: 138
Ion Ratio Lower Upper
94 100
96 156.7 70.3 105.5#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.946 ug/l
RT: 4.097 min Scan# 370
Delta R.T. -0.000 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

Tgt Ion:101 Resp: 22804
Ion Ratio Lower Upper
101 100
85 42.9 35.1 52.7
151 73.8 60.2 90.2



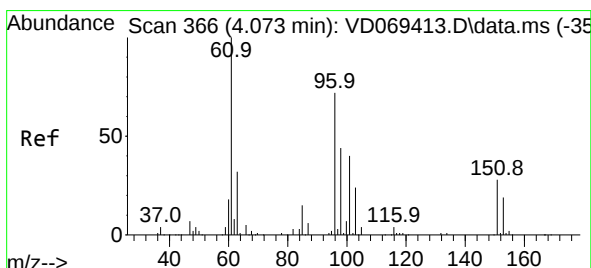
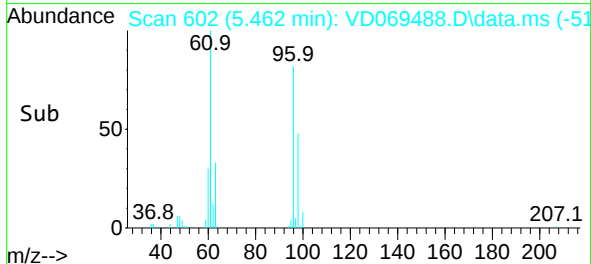
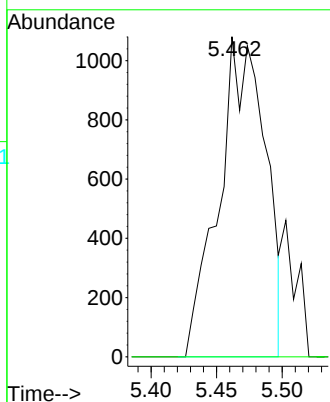
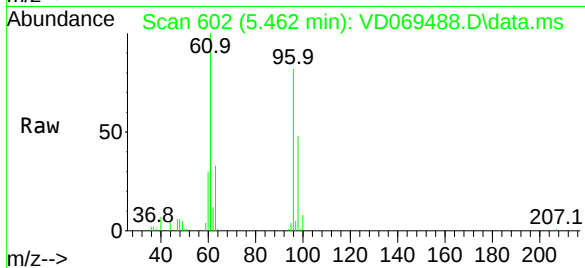


#11

Tert butyl alcohol
Concen: 16.244 ug/l
RT: 5.462 min Scan# 602
Delta R.T. 0.242 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

Instrument :
MSVOA_D
ClientSampled :

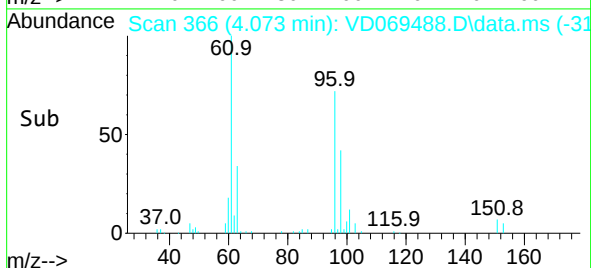
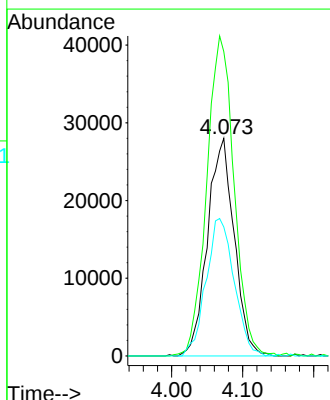
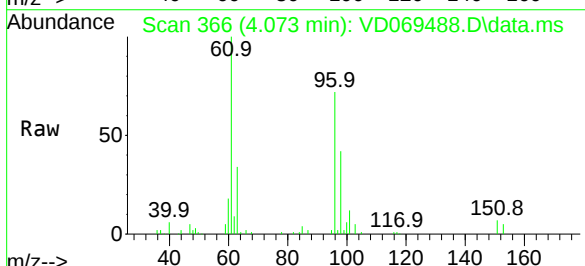
Tgt Ion: 59 Resp: 2668
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

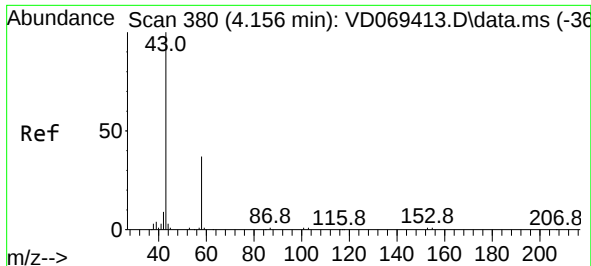


#12

1,1-Dichloroethene
Concen: 24.650 ug/l
RT: 4.073 min Scan# 366
Delta R.T. 0.000 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

Tgt Ion: 96 Resp: 73208
Ion Ratio Lower Upper
96 100
61 139.9 116.5 174.7
98 59.3 50.8 76.2

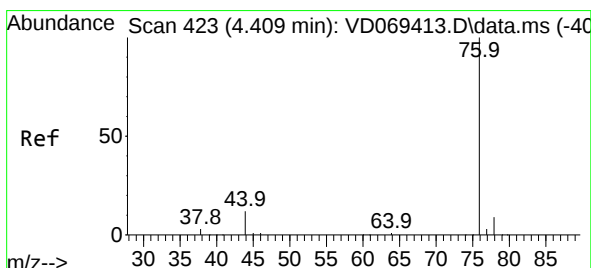
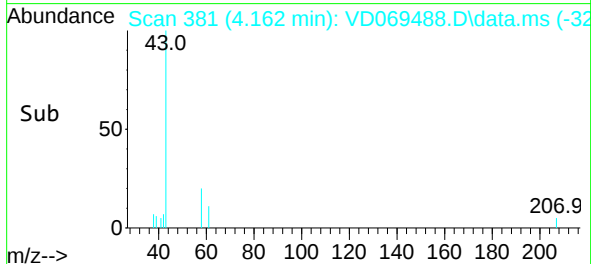
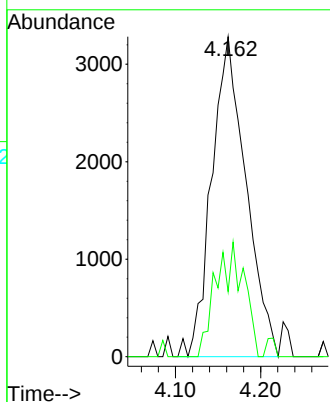
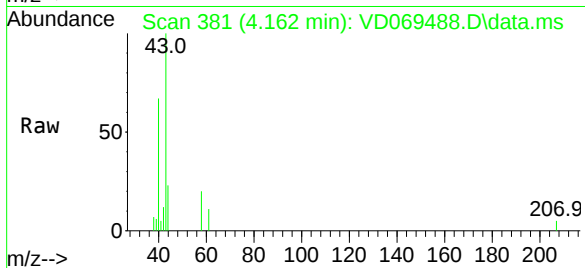




#16
Acetone
Concen: 17.517 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

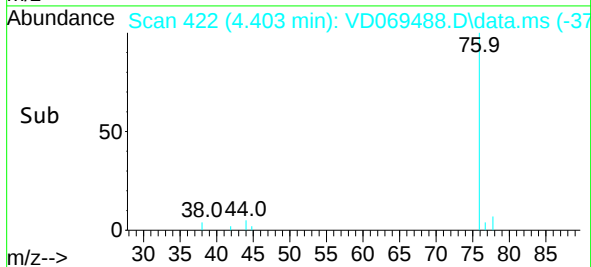
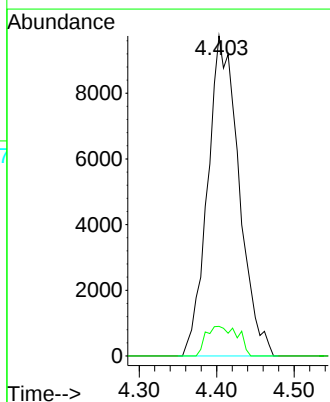
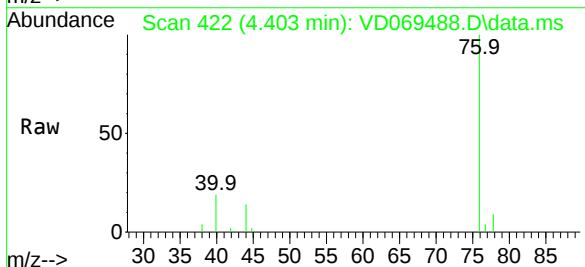
Instrument :
MSVOA_D
ClientSampled :

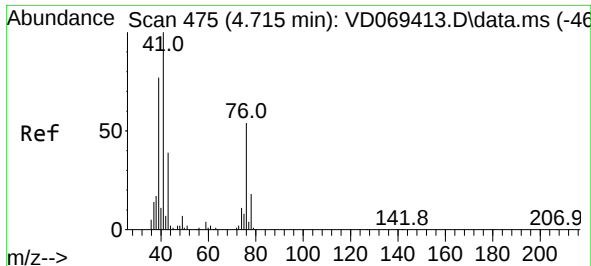
Tgt Ion: 43 Resp: 9160
Ion Ratio Lower Upper
43 100
58 20.3 27.5 41.3#



#17
Carbon Disulfide
Concen: 2.853 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

Tgt Ion: 76 Resp: 27406
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

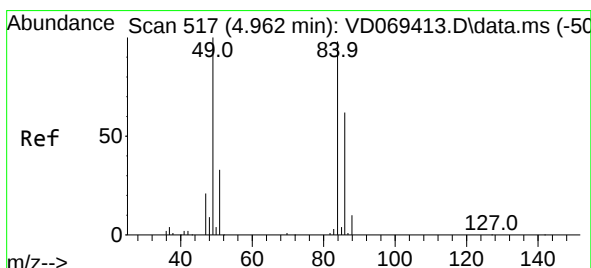
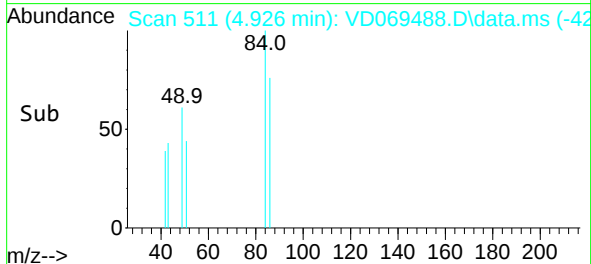
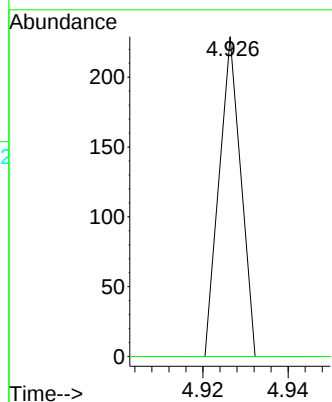
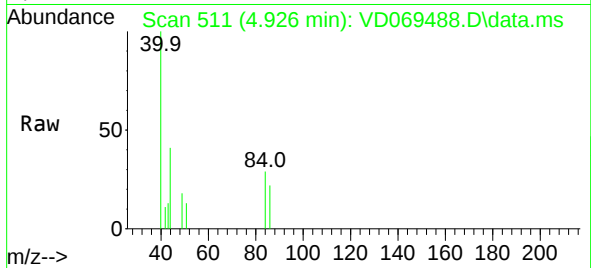




#18
Methyl Acetate
Concen: Below Cal
RT: 4.926 min Scan# 511
Delta R.T. 0.211 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

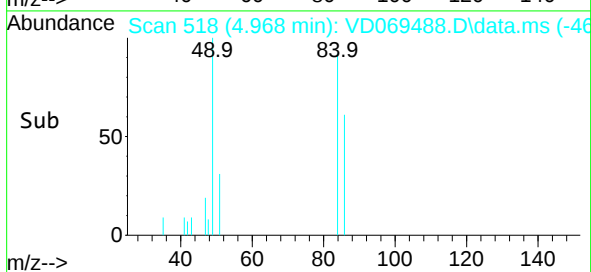
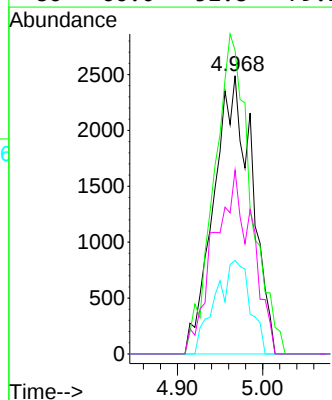
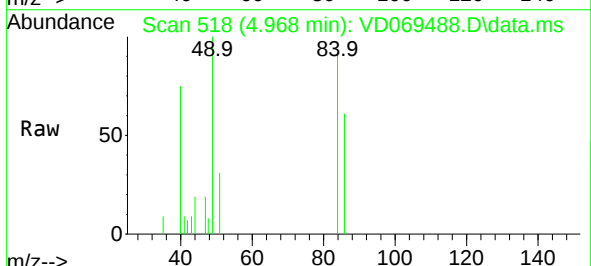
Instrument :
MSVOA_D
ClientSampled :

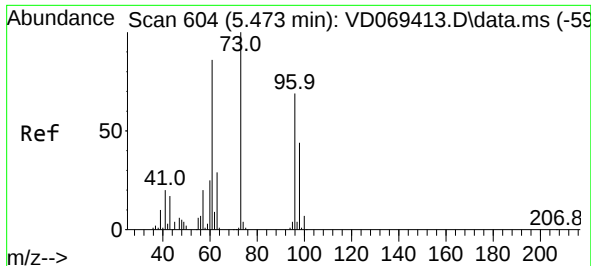
Tgt Ion: 43 Resp: 81
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

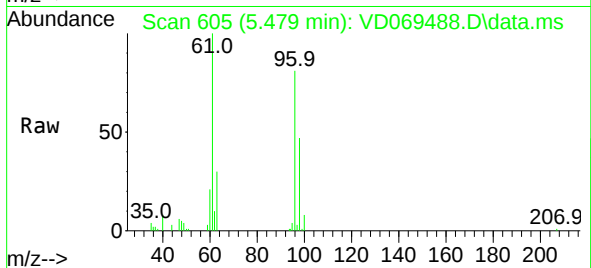
Tgt Ion: 84 Resp: 7759
Ion Ratio Lower Upper
84 100
49 109.1 83.7 125.5
51 33.6 26.4 39.6
86 66.0 52.8 79.2



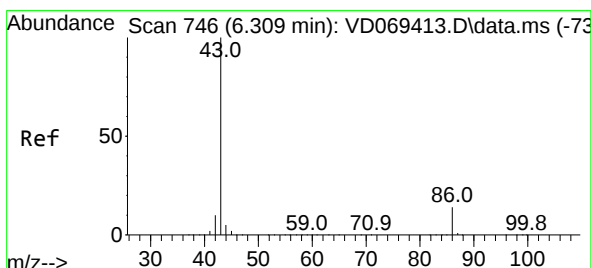
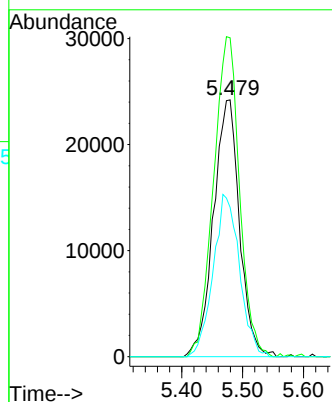
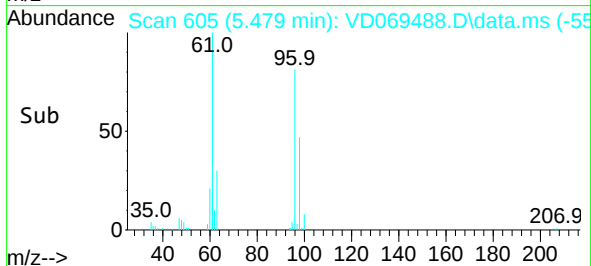


#21
trans-1,2-Dichloroethene
Concen: 20.617 ug/l
RT: 5.479 min Scan# 605
Delta R.T. 0.006 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

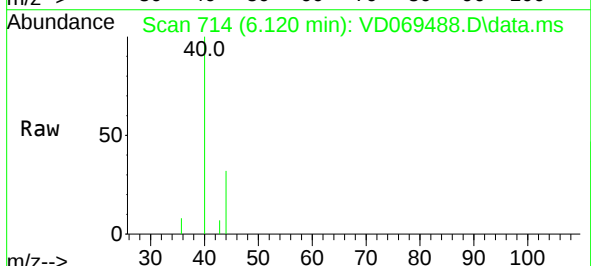
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MSVOA_D
ClientSampleId :



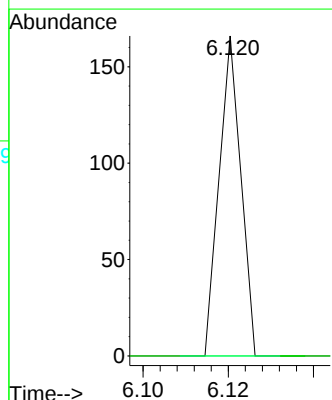
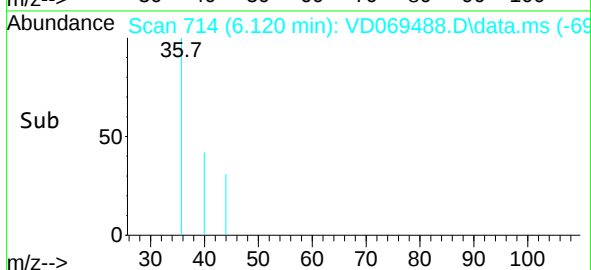
Tgt Ion: 96 Resp: 71690
Ion Ratio Lower Upper
96 100
61 124.1 98.8 148.2
98 58.1 51.4 77.2

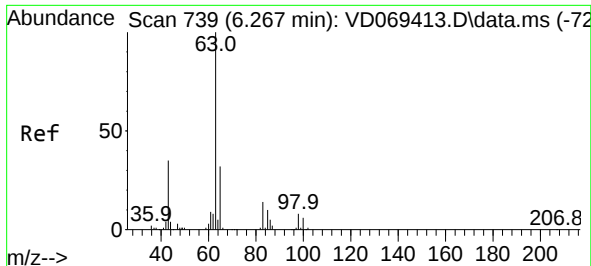


#23
Vinyl Acetate
Concen: 17.589 ug/l
RT: 6.120 min Scan# 714
Delta R.T. -0.189 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10



Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
86 0.0 10.5 15.7#

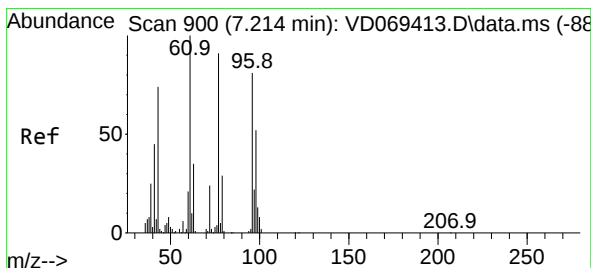
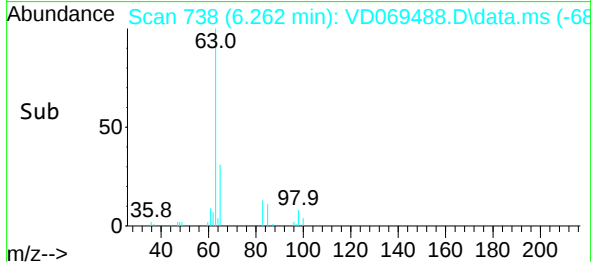
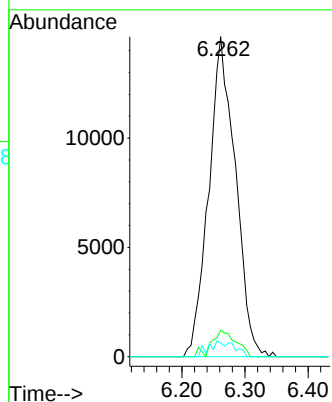
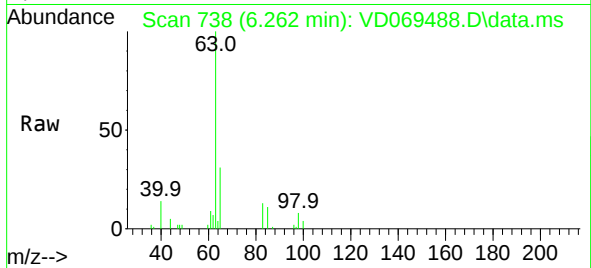




#24
1,1-Dichloroethane
Concen: 7.429 ug/l
RT: 6.262 min Scan# 738
Delta R.T. -0.005 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

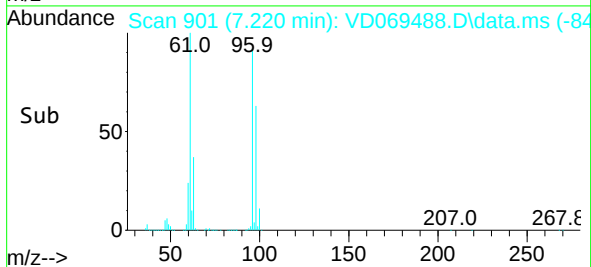
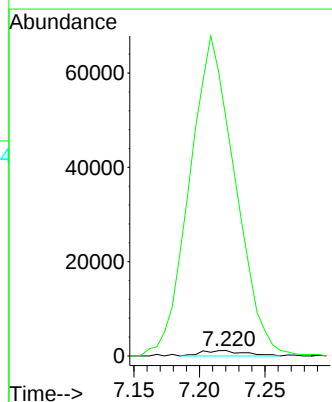
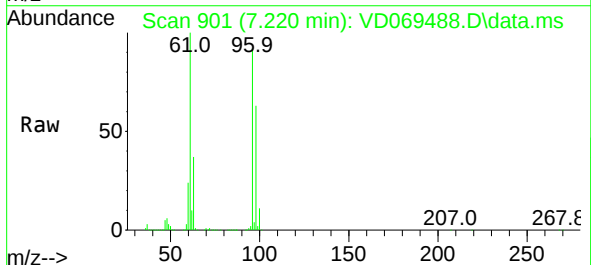
Instrument :
MSVOA_D
ClientSampleId :

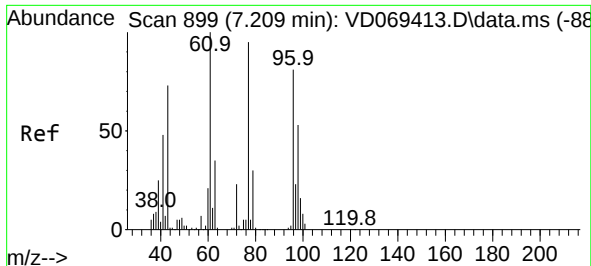
Tgt Ion: 63	Resp: 42950
Ion Ratio	Lower Upper
63 100	
98 8.3	3.8 11.4
100 4.2	2.6 7.8



#25
2-Butanone
Concen: 4.043 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

Tgt Ion: 43	Resp: 2636
Ion Ratio	Lower Upper
43 100	
72 4179.8	23.9 35.9#





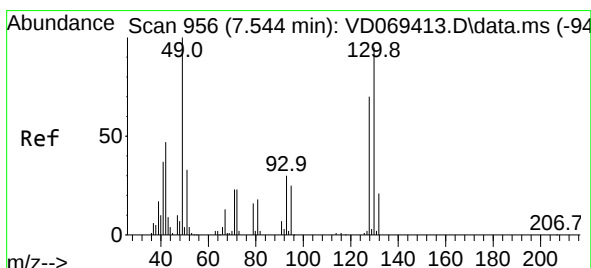
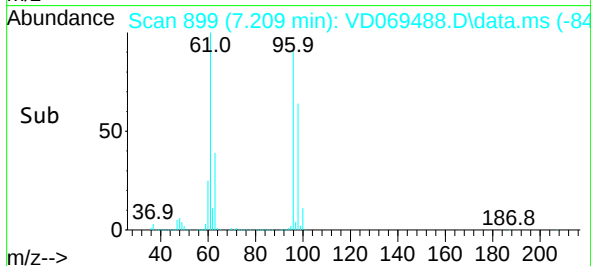
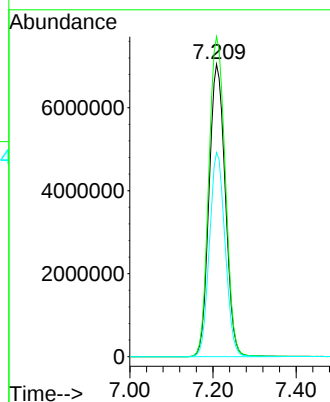
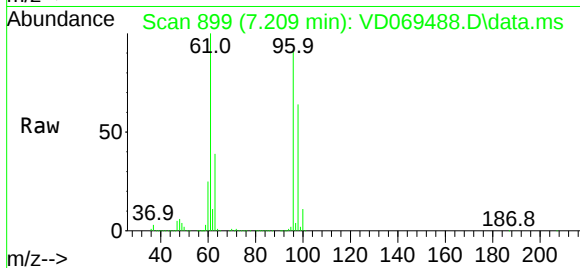
#27

cis-1,2-Dichloroethene
Concen: 5065.126 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 96 Resp:19064364

Ion	Ratio	Lower	Upper
96	100		
61	112.1	0.0	265.6
98	67.5	0.0	129.0

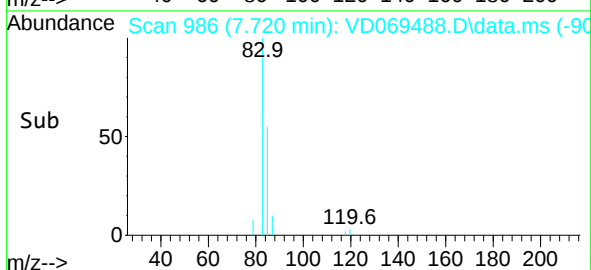
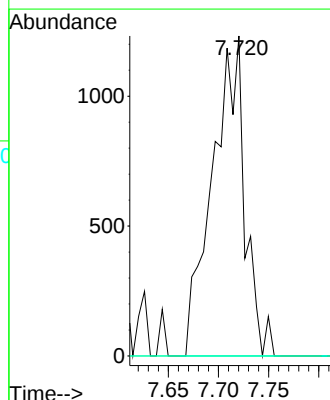
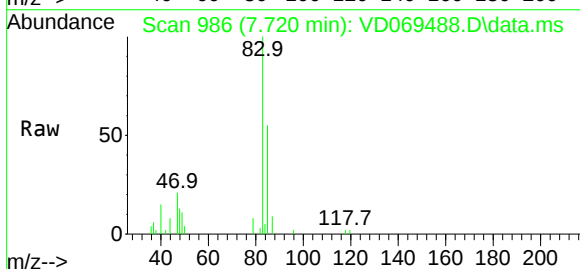


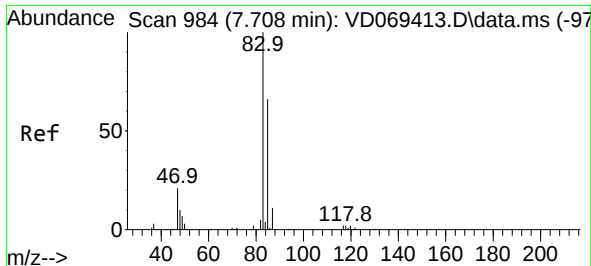
#28

Bromochloromethane
Concen: 1.304 ug/l
RT: 7.720 min Scan# 986
Delta R.T. 0.176 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

Tgt Ion: 49 Resp: 2762

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	0.0	72.0	108.0#

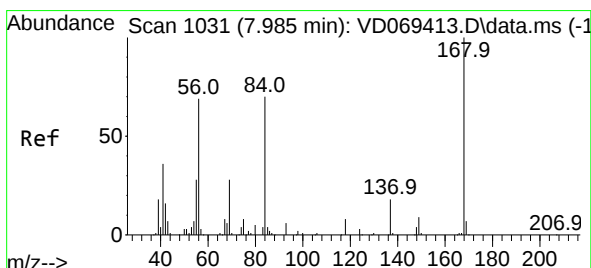
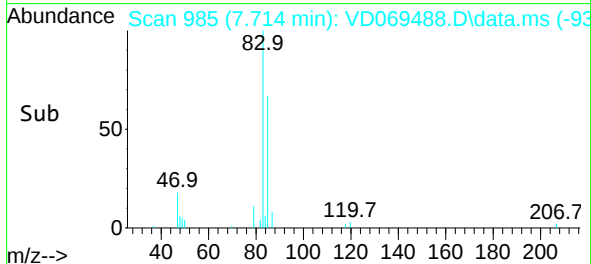
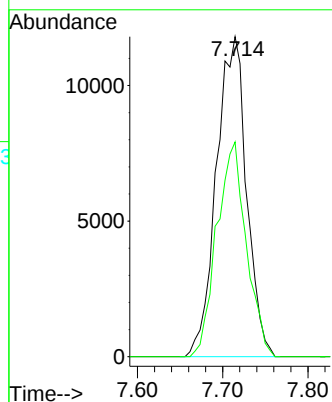
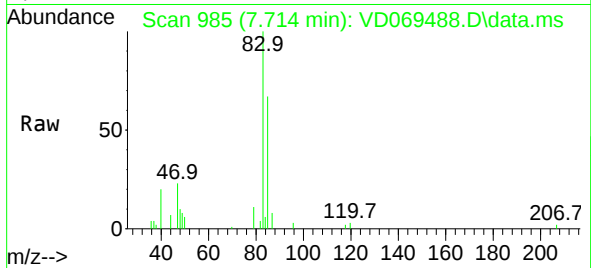




#30
Chloroform
Concen: 4.514 ug/l
RT: 7.714 min Scan# 985
Delta R.T. 0.006 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

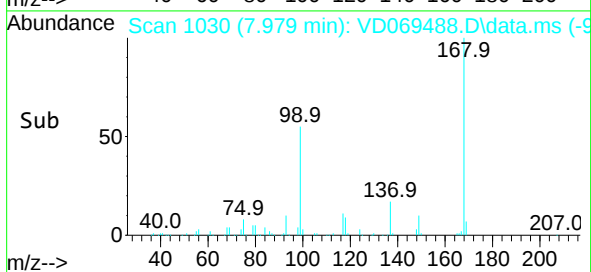
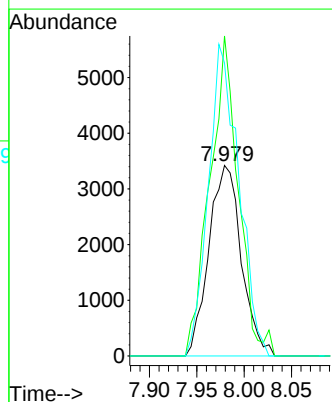
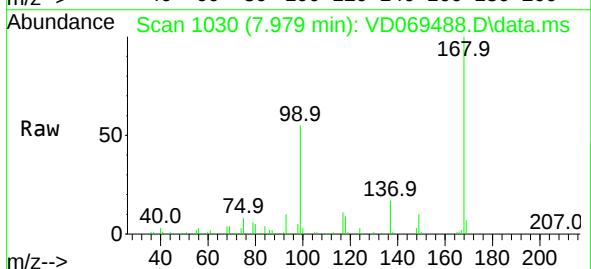
Instrument :
MSVOA_D
ClientSampled :

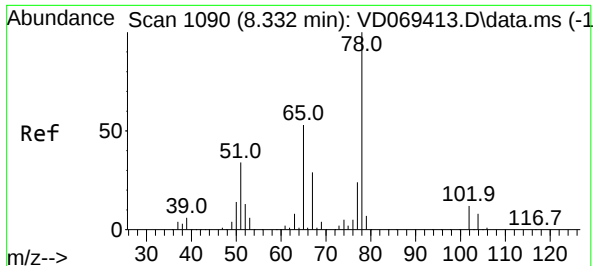
Tgt Ion: 83 Resp: 29077
Ion Ratio Lower Upper
83 100
85 67.1 52.6 78.8



#31
Cyclohexane
Concen: 1.901 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

Tgt Ion: 56 Resp: 8159
Ion Ratio Lower Upper
56 100
69 167.9 29.0 43.4#
84 153.7 81.1 121.7#

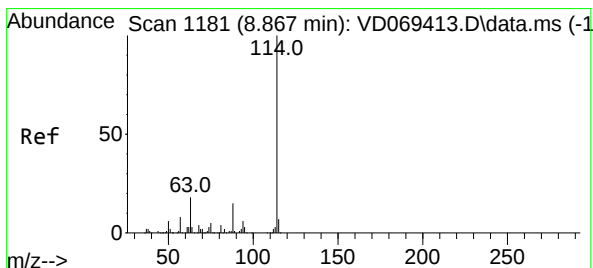
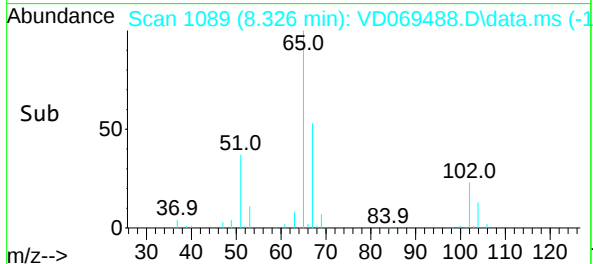
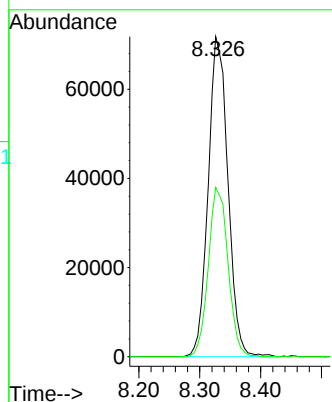
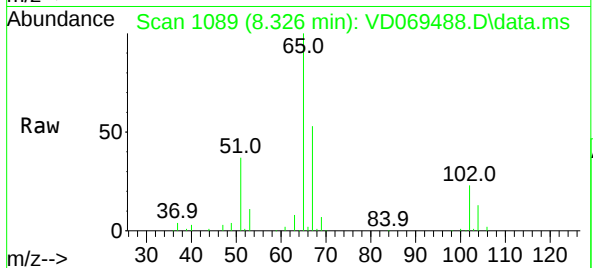




#33
 1,2-Dichloroethane-d4
 Concen: 51.220 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.006 min
 Lab File: VD069488.D
 Acq: 17 Jun 2021 19:10

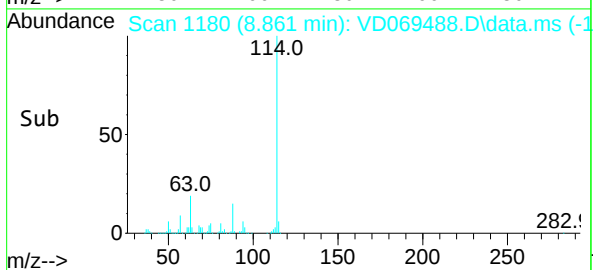
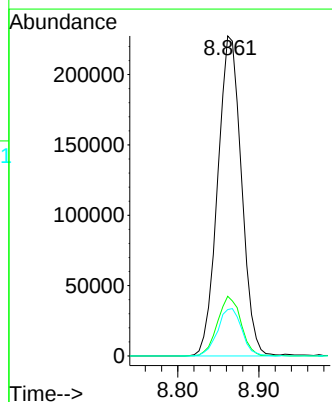
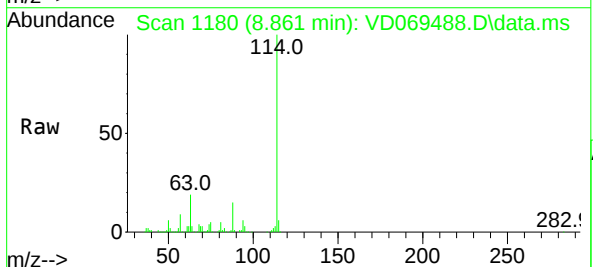
Instrument :
 MSVOA_D
 ClientSampleId :

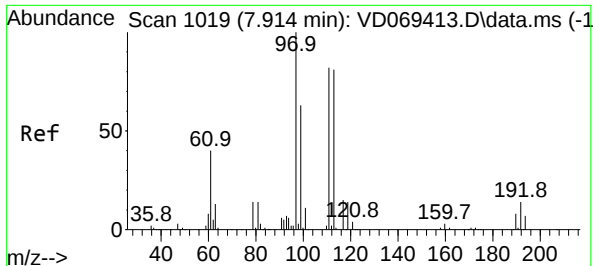
Tgt Ion: 65 Resp: 161814
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. -0.006 min
 Lab File: VD069488.D
 Acq: 17 Jun 2021 19:10

Tgt Ion: 114 Resp: 462733
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 35.6
 88 14.5 0.0 31.2



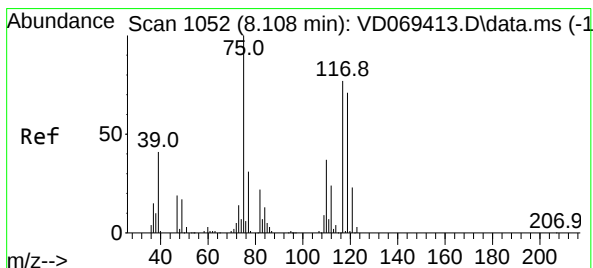
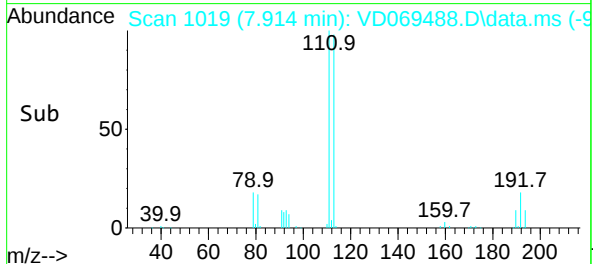
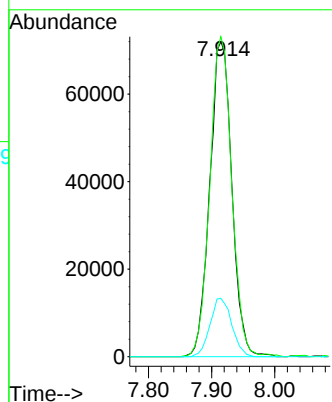
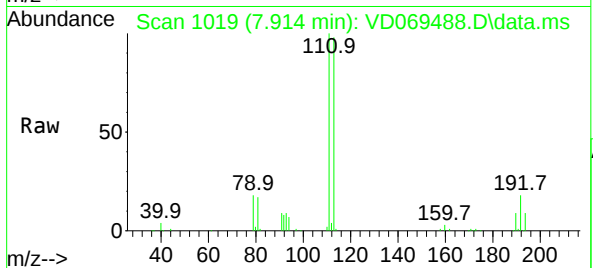


#35

Dibromofluoromethane
Concen: 50.478 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

Instrument :
MSVOA_D
ClientSampled :

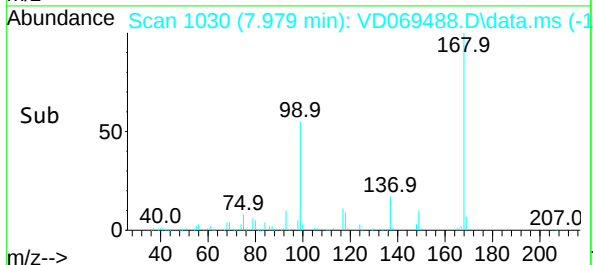
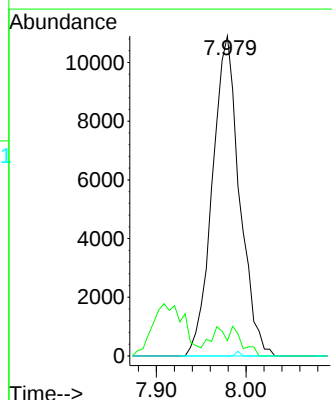
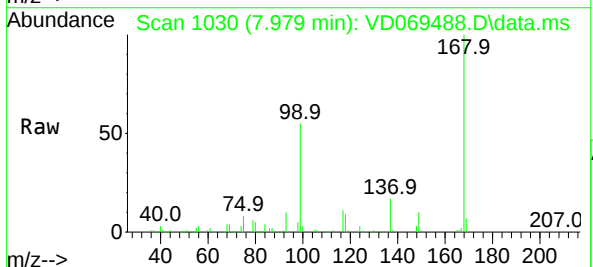
Tgt Ion:113 Resp: 174951
Ion Ratio Lower Upper
113 100
111 100.6 83.0 124.6
192 18.2 15.1 22.7

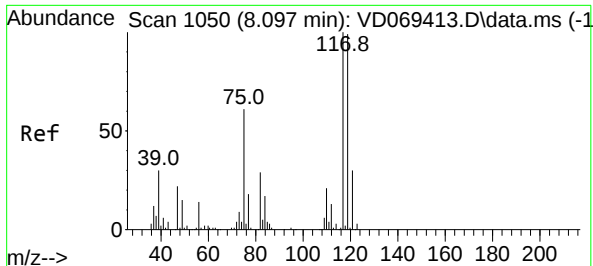


#36

1,1-Dichloropropene
Concen: 4.763 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

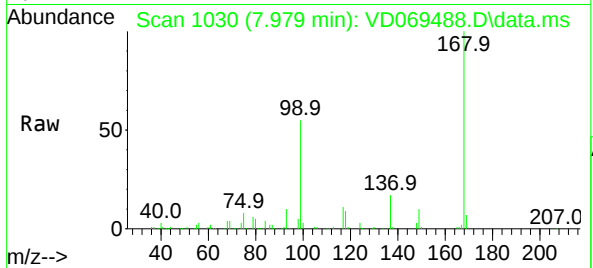
Tgt Ion: 75 Resp: 22951
Ion Ratio Lower Upper
75 100
110 0.0 18.4 55.2#
77 0.2 24.9 37.3#



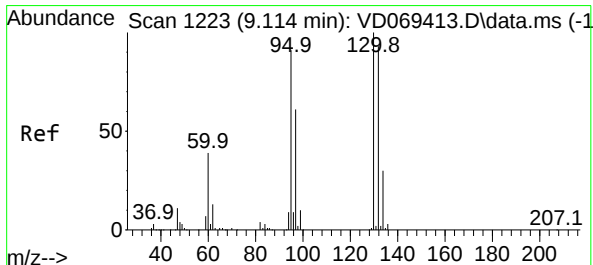
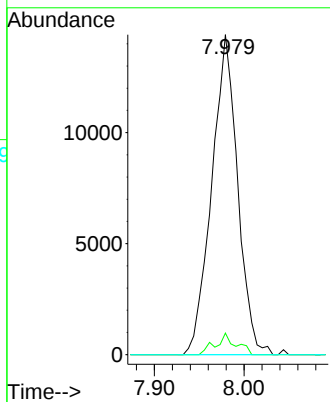
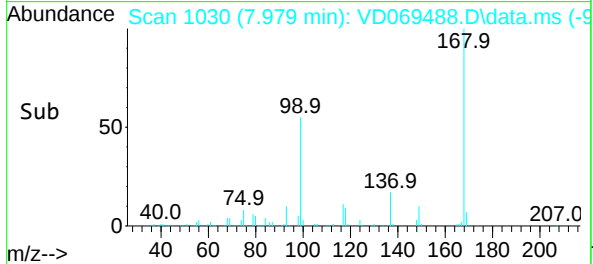


#38
Carbon Tetrachloride
Concen: 5.540 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

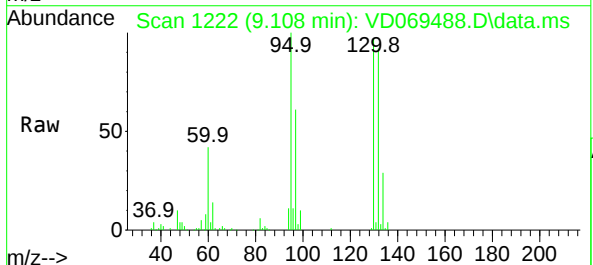
Instrument :
MSVOA_D
ClientSampled :



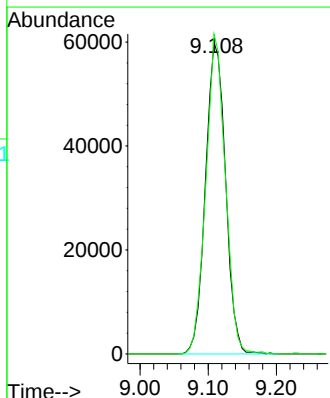
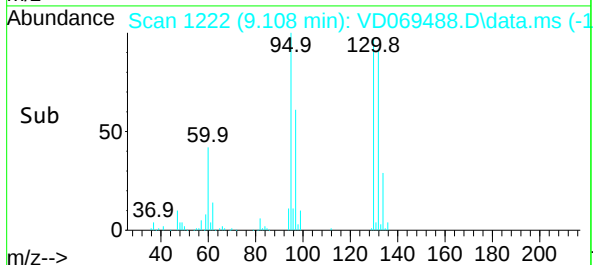
Tgt Ion:117 Resp: 28914
Ion Ratio Lower Upper
117 100
119 6.8 79.4 119.2#
121 0.0 26.1 39.1#

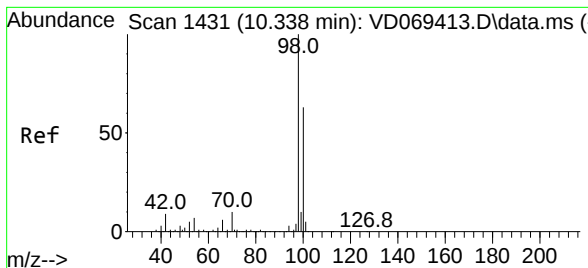


#44
Trichloroethene
Concen: 31.390 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.006 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10



Tgt Ion:130 Resp: 122769
Ion Ratio Lower Upper
130 100
95 102.7 0.0 198.8

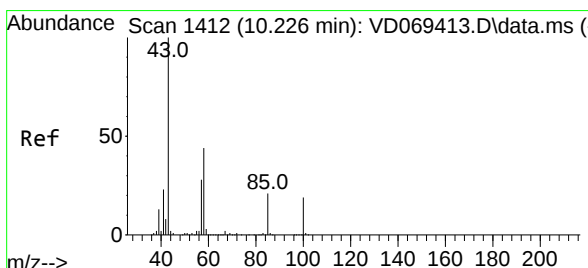
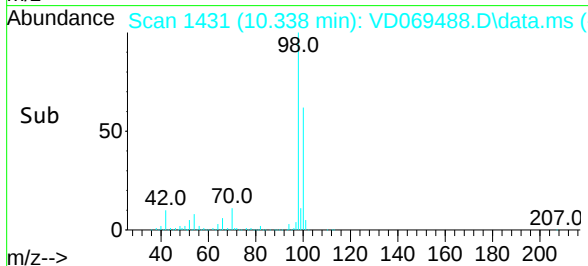
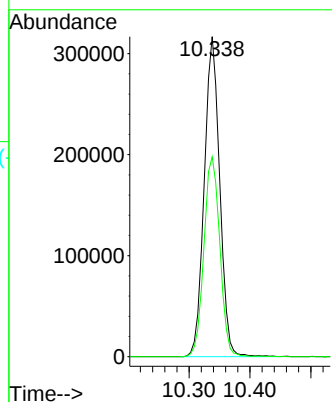
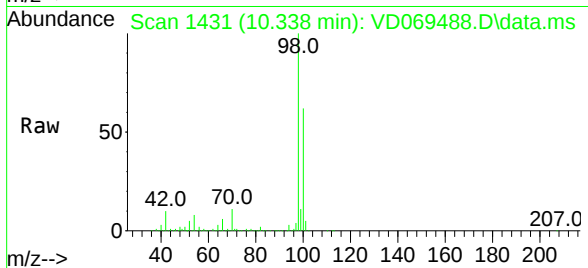




#50
Toluene-d8
Concen: 44.224 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

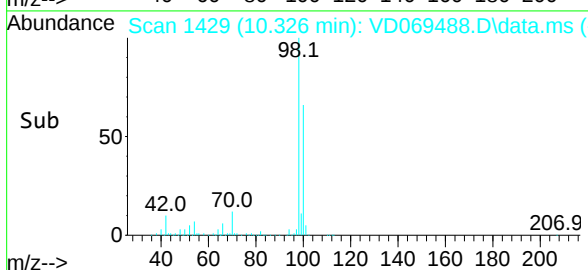
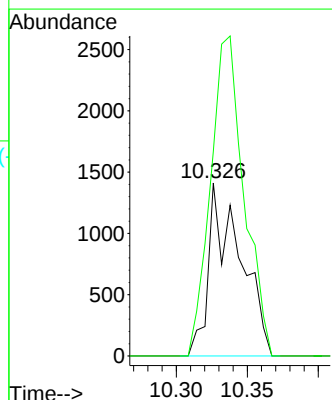
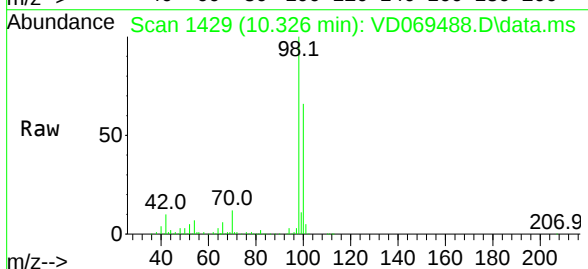
Instrument :
MSVOA_D
ClientSampled :

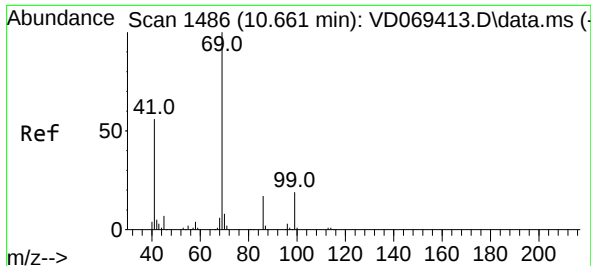
Tgt Ion: 98 Resp: 560602
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.411 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.100 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

Tgt Ion: 43 Resp: 2194
Ion Ratio Lower Upper
43 100
58 194.9 35.1 52.7#

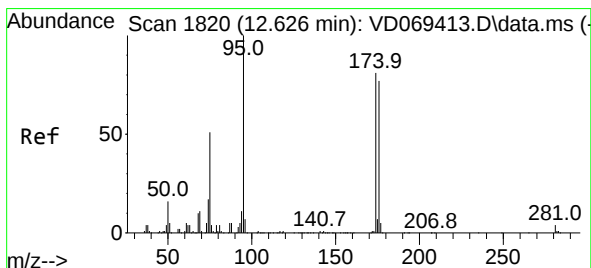
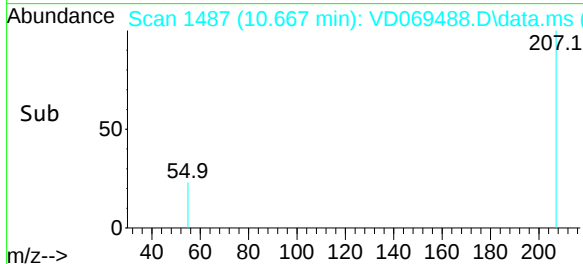
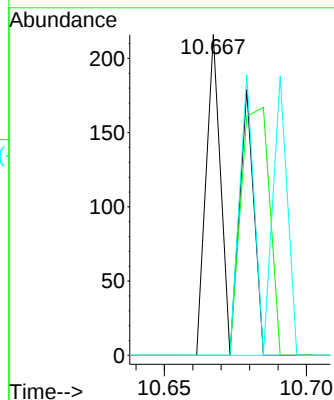
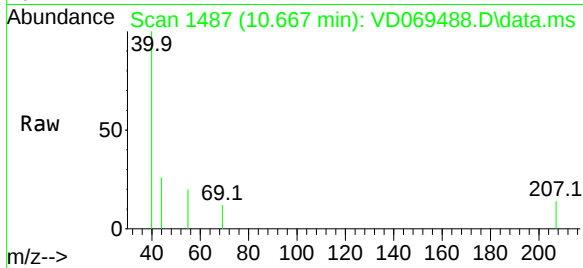




#56
Ethyl methacrylate
Concen: 2.866 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

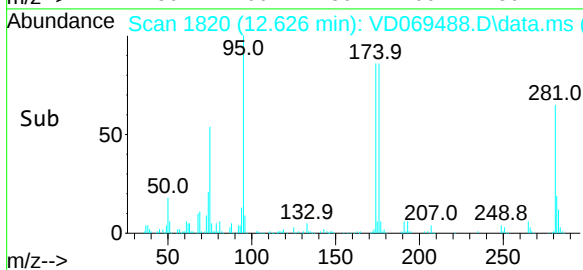
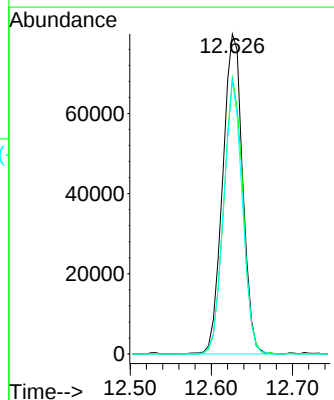
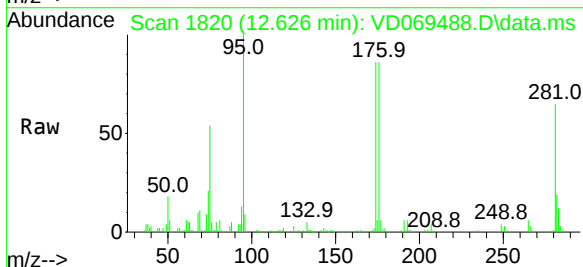
Instrument :
MSVOA_D
ClientSampled :

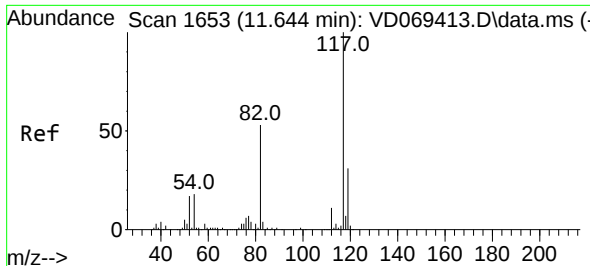
Tgt Ion: 69 Resp: 139
Ion Ratio Lower Upper
69 100
41 83.5 45.4 68.2#
39 95.7 21.7 32.5#



#62
4-Bromofluorobenzene
Concen: 33.501 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

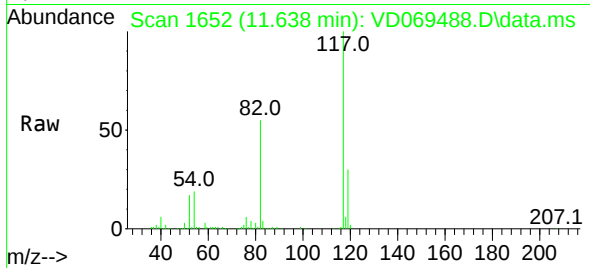
Tgt Ion: 95 Resp: 136260
Ion Ratio Lower Upper
95 100
174 82.4 0.0 162.8
176 80.5 0.0 154.4



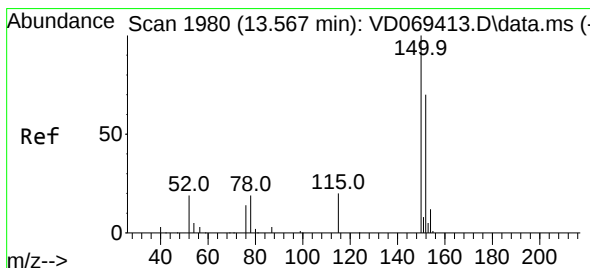
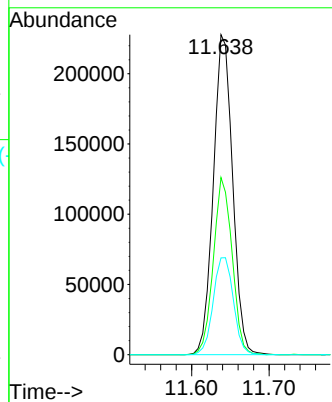
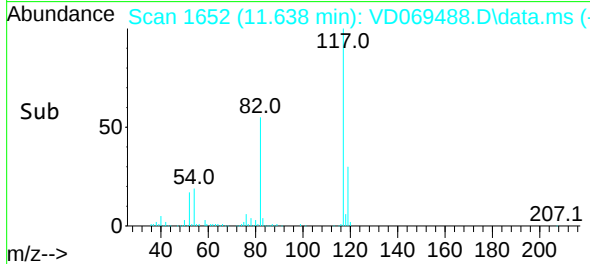


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.006 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

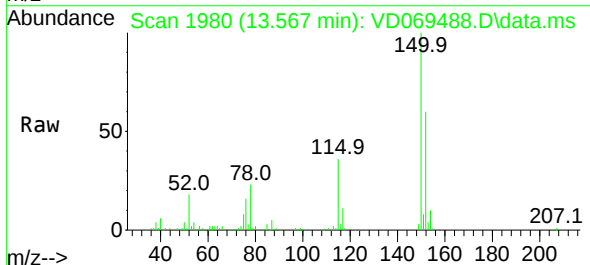
Instrument :
MSVOA_D
ClientSampleId :



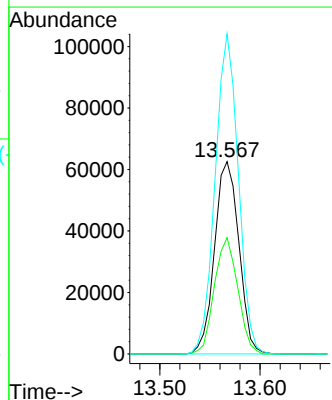
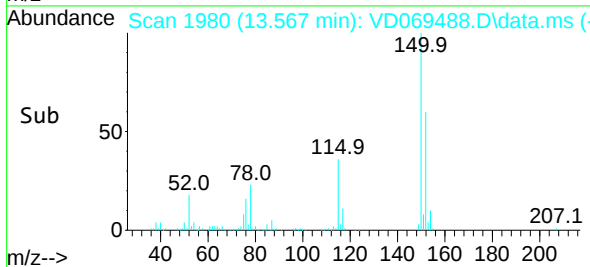
Tgt Ion:117 Resp: 394307
Ion Ratio Lower Upper
117 100
82 55.3 43.3 64.9
119 30.3 25.3 37.9

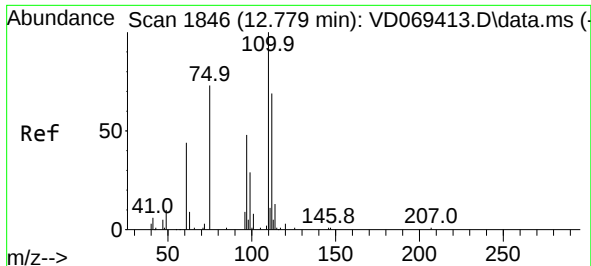


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10



Tgt Ion:152 Resp: 105451
Ion Ratio Lower Upper
152 100
115 58.0 29.4 88.3
150 158.4 0.0 355.0

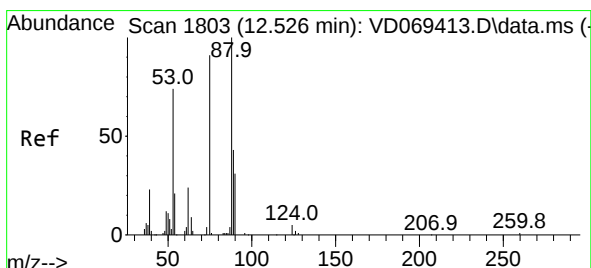
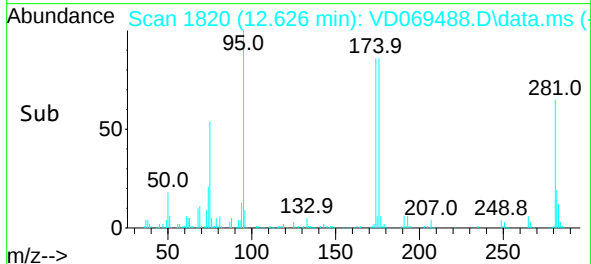
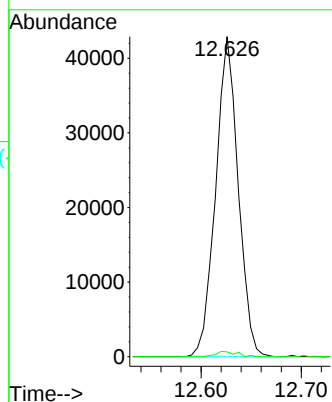
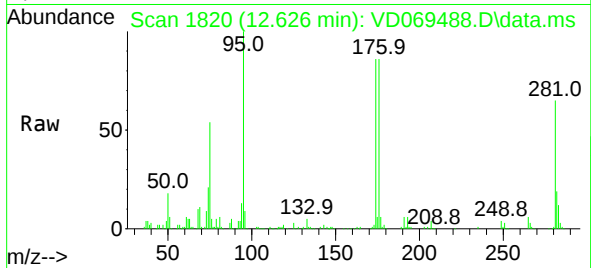




#76
1,2,3-Trichloropropane
Concen: 62.545 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

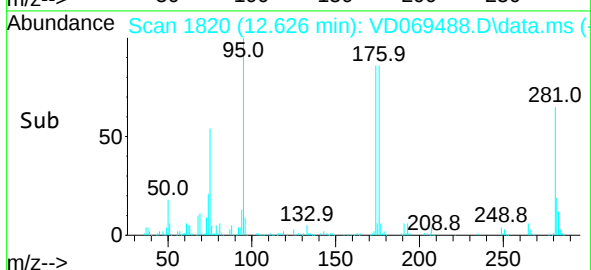
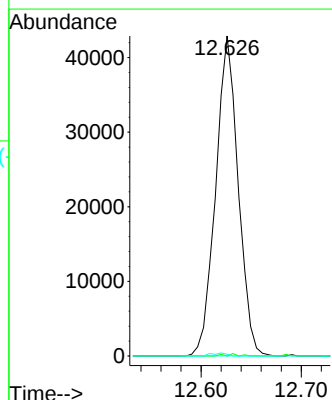
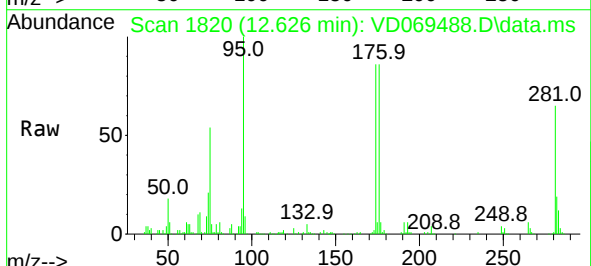
Instrument :
MSVOA_D
ClientSampleId :

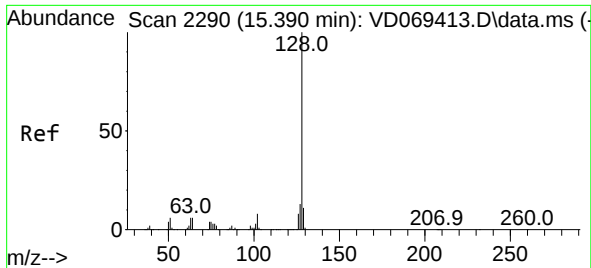
Tgt Ion: 75 Resp: 66866
Ion Ratio Lower Upper
75 100
77 1.5 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 166.852 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

Tgt Ion: 75 Resp: 66866
Ion Ratio Lower Upper
75 100
53 0.3 62.6 94.0#
89 0.0 35.6 53.4#





#95
Naphthalene
Concen: 3.585 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.012 min
Lab File: VD069488.D
Acq: 17 Jun 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#

