

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069530.D
 Acq On : 22 Jun 2021 21:49
 Operator : VA/SY
 Sample : M2795-05
 Misc : 10.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 23 04:32:34 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)

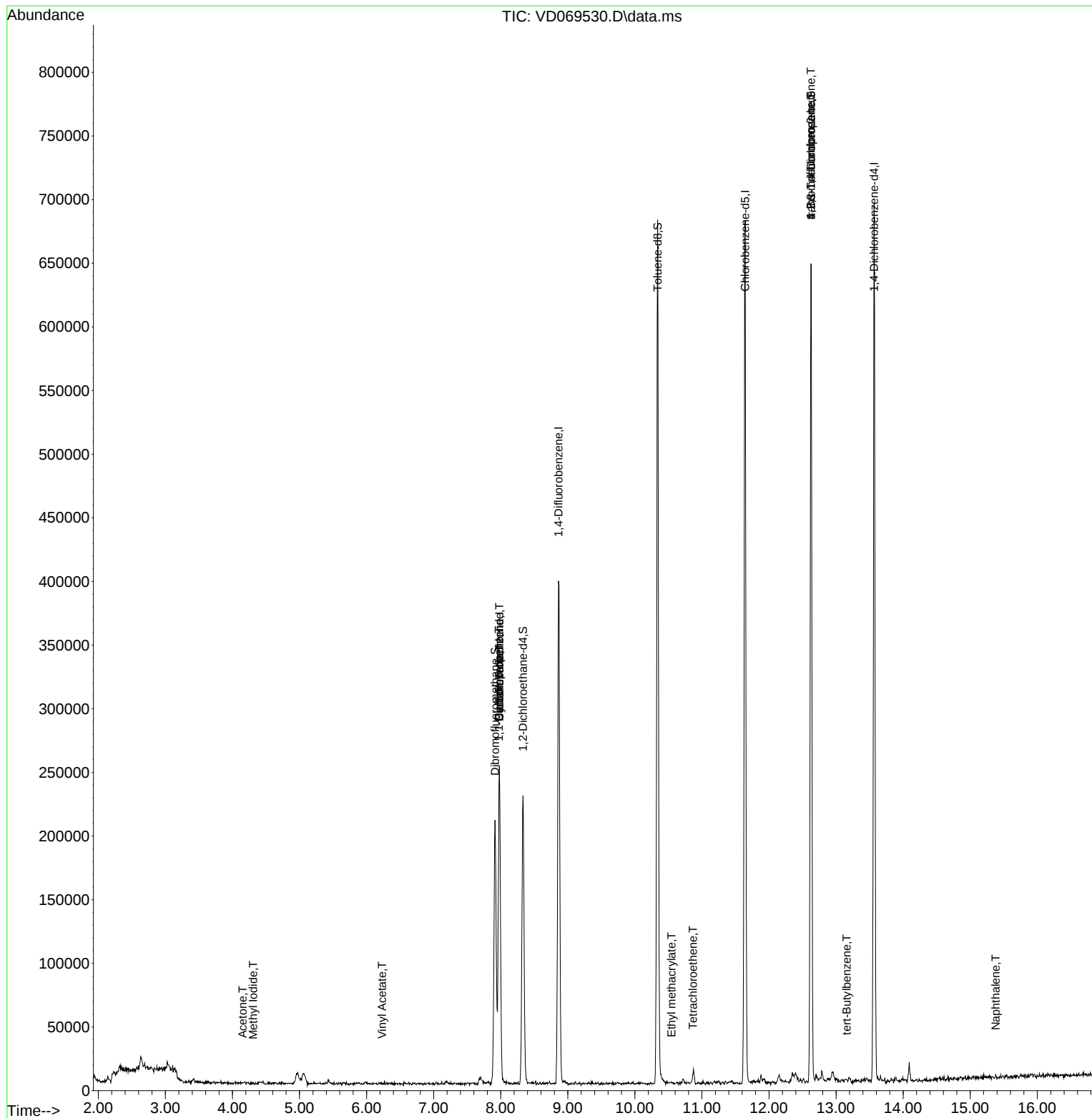
Internal Standards						
1) Pentafluorobenzene	7.979	168	175684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	332947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	387568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	175786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	180938	82.625	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 165.240%#			
35) Dibromofluoromethane	7.914	113	148578	66.015	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 132.040%			
50) Toluene-d8	10.338	98	456226	54.042	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.080%			
62) 4-Bromofluorobenzene	12.626	95	172332	62.093	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 124.180%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	1546	Below Cal		82
10) Methyl Iodide	4.309	142	262	4.071 ug/l #		39
11) Tert butyl alcohol	5.215	59	258	Below Cal #		83
16) Acetone	4.150	43	948	2.572 ug/l #		41
18) Methyl Acetate	4.726	43	134	Below Cal #		49
20) Methylene Chloride	4.962	84	3269	Below Cal #		89
23) Vinyl Acetate	6.232	43	237	19.081 ug/l #		70
31) Cyclohexane	7.979	56	4604	1.561 ug/l #		40
36) 1,1-Dichloropropene	7.973	75	15770	4.826 ug/l #		51
38) Carbon Tetrachloride	7.979	117	19659	6.079 ug/l #		15
56) Ethyl methacrylate	10.544	69	55	2.606 ug/l #		1
64) Tetrachloroethene	10.867	164	2529	1.039 ug/l #		44
76) 1,2,3-Trichloropropane	12.626	75	91081	52.783 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	91081	131.793 ug/l #		13
83) tert-Butylbenzene	13.155	119	135	2.006 ug/l #		27
95) Naphthalene	15.379	128	219	3.392 ug/l #		69

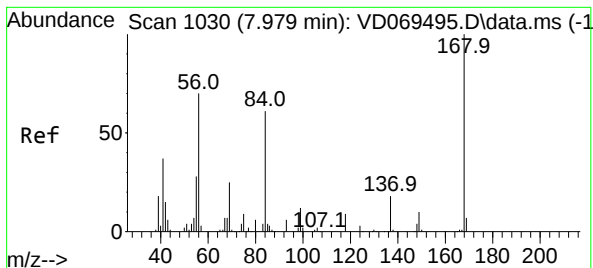
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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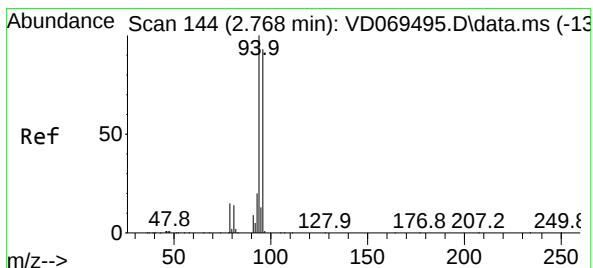
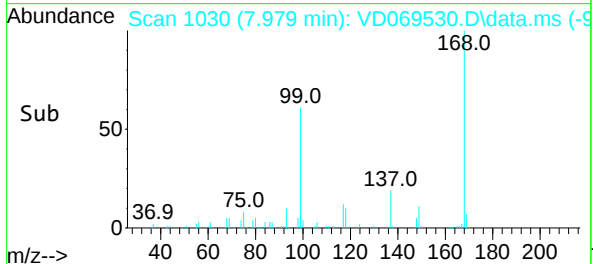
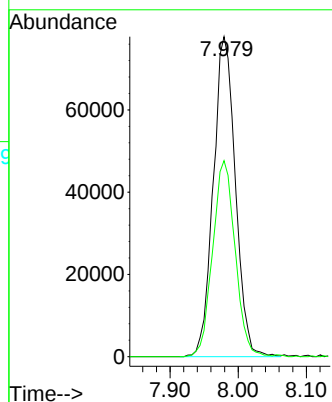
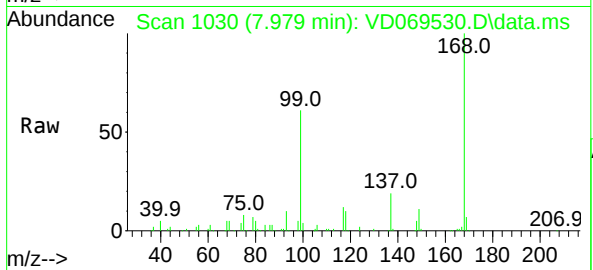




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

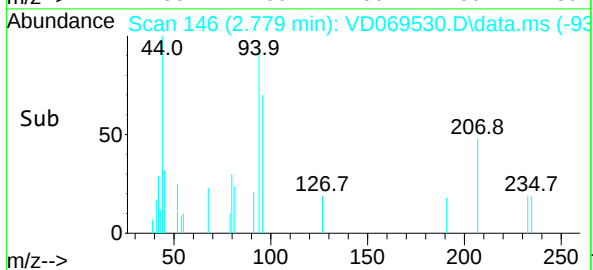
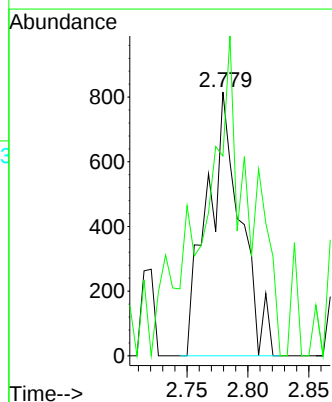
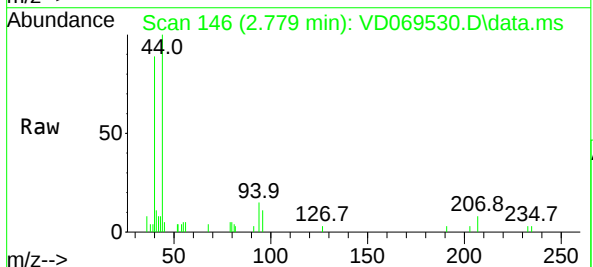
Instrument :
MSVOA_D
ClientSampled :

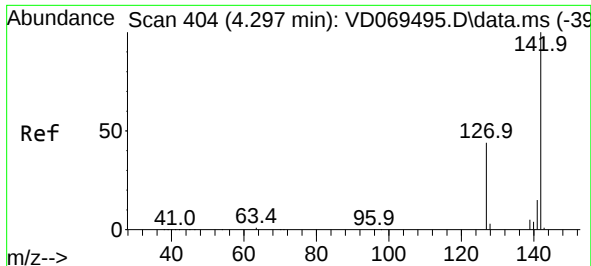
Tgt Ion:168 Resp: 175684
Ion Ratio Lower Upper
168 100
99 61.3 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

Tgt Ion: 94 Resp: 1546
Ion Ratio Lower Upper
94 100
96 75.7 74.6 111.8

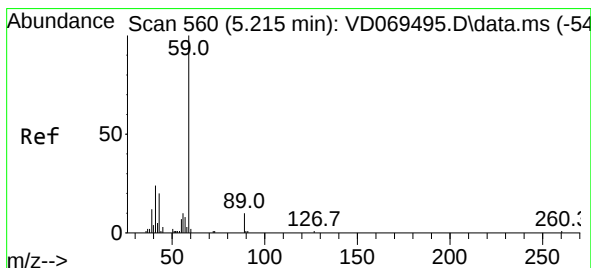
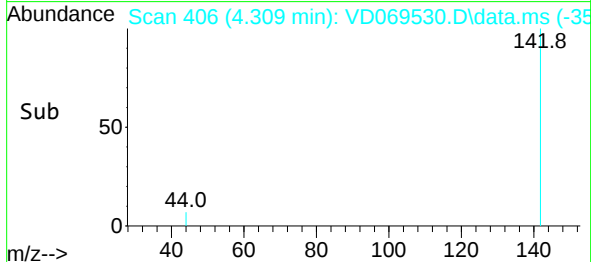
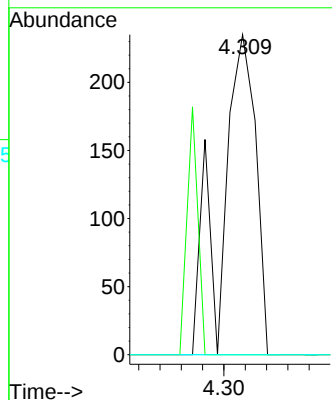
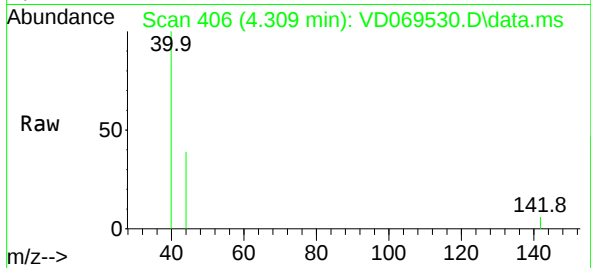




#10
Methyl Iodide
Concen: 4.071 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

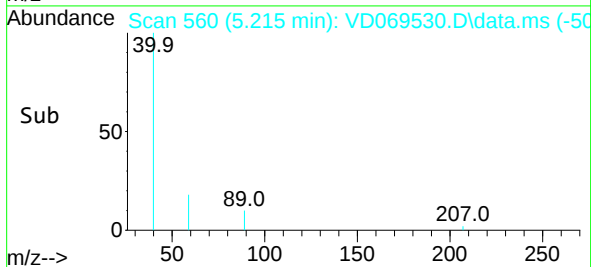
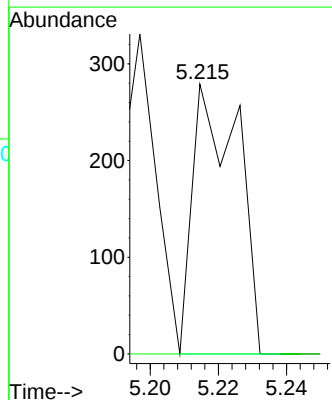
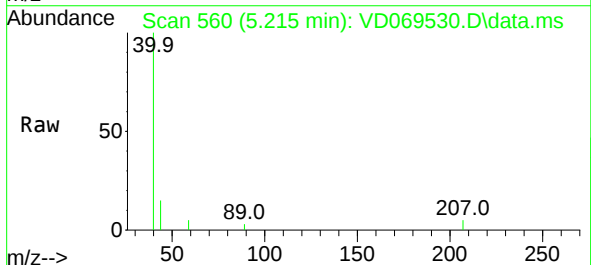
Instrument :
MSVOA_D
ClientSampled :

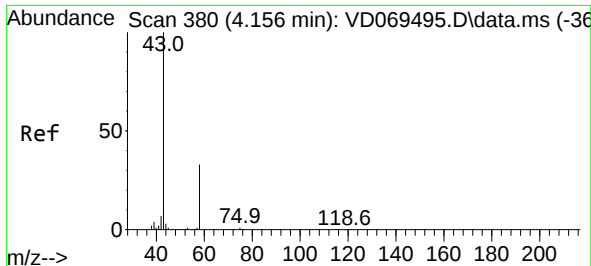
Tgt Ion:142 Resp: 262
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.215 min Scan# 560
Delta R.T. -0.000 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

Tgt Ion: 59 Resp: 258
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

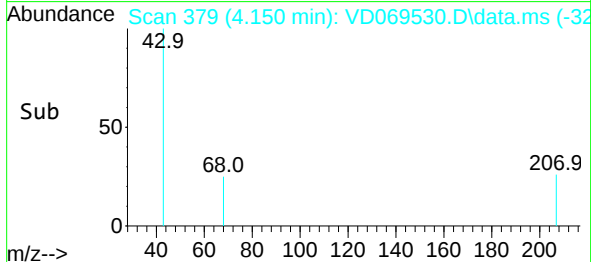
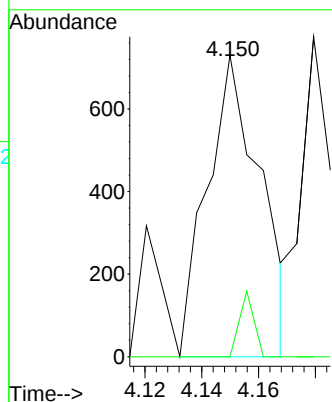
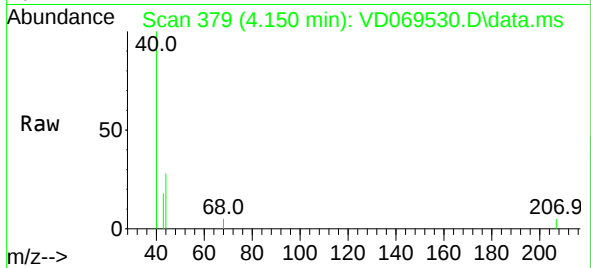




#16
Acetone
Concen: 2.572 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

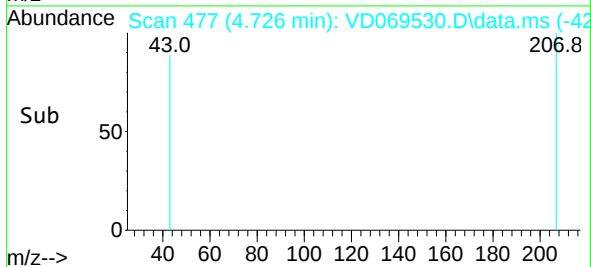
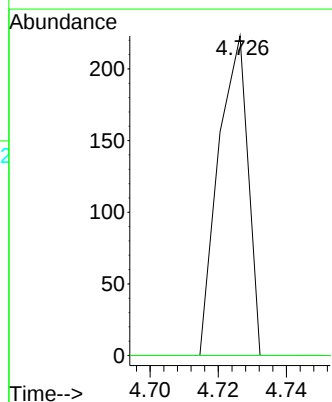
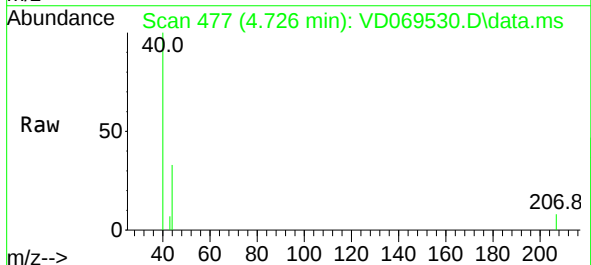
Instrument :
MSVOA_D
ClientSampleId :

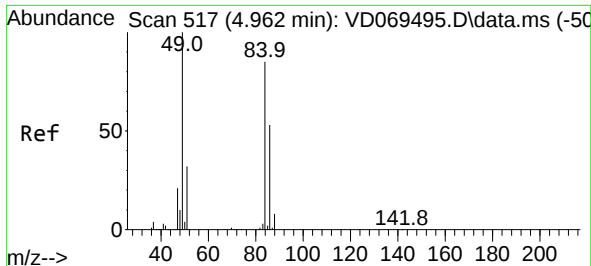
Tgt Ion: 43 Resp: 948
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

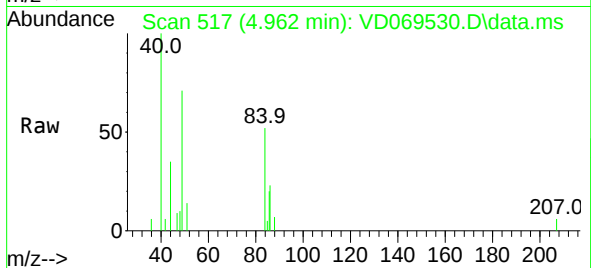
Tgt Ion: 43 Resp: 134
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



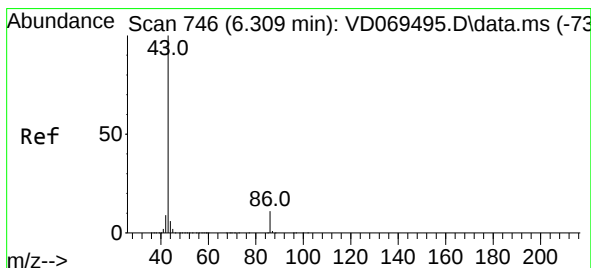
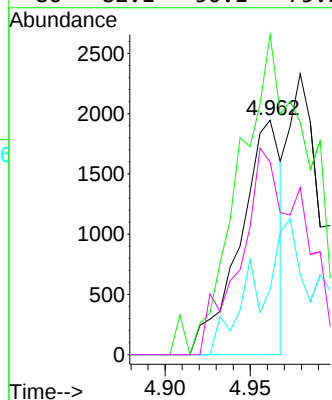
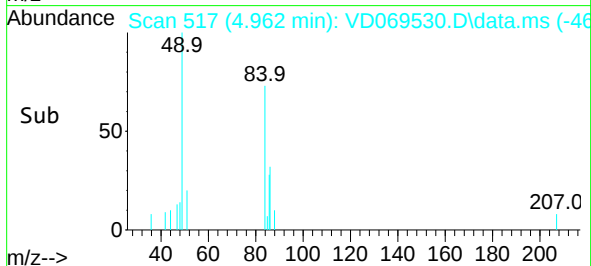


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

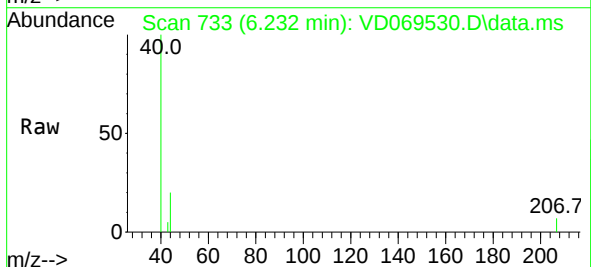
Instrument :
MSVOA_D
ClientSampleId :



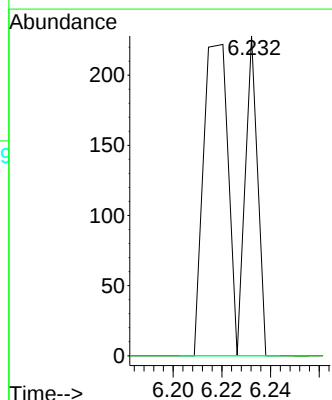
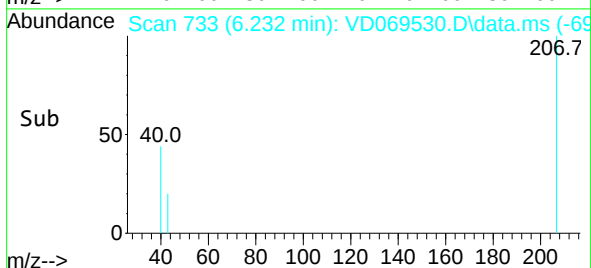
Tgt Ion: 84 Resp: 3269
Ion Ratio Lower Upper
84 100
49 119.4 94.0 141.0
51 27.7 29.7 44.5#
86 82.1 50.1 75.1#

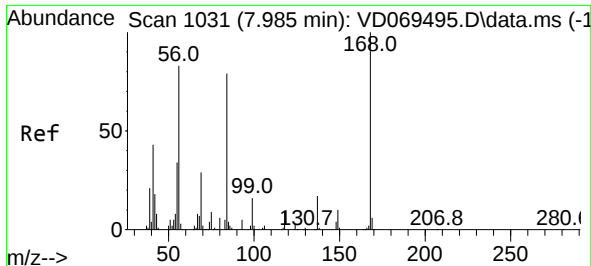


#23
Vinyl Acetate
Concen: 19.081 ug/l
RT: 6.232 min Scan# 733
Delta R.T. -0.077 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49



Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
86 0.0 9.1 13.7#

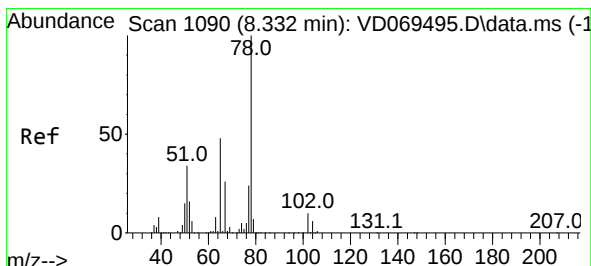
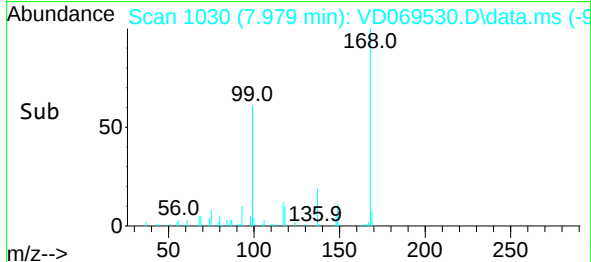
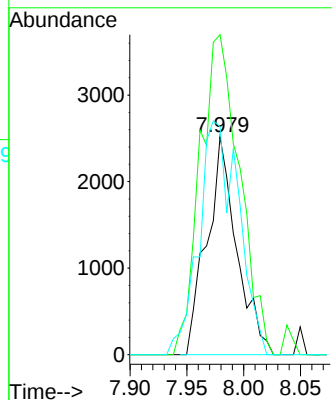
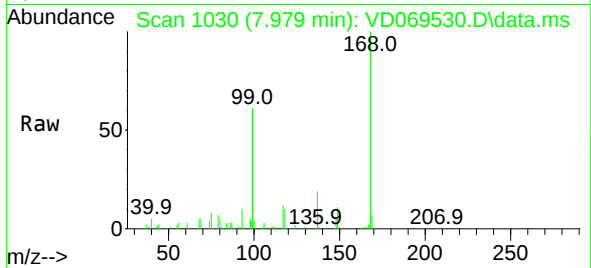




#31
Cyclohexane
Concen: 1.561 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

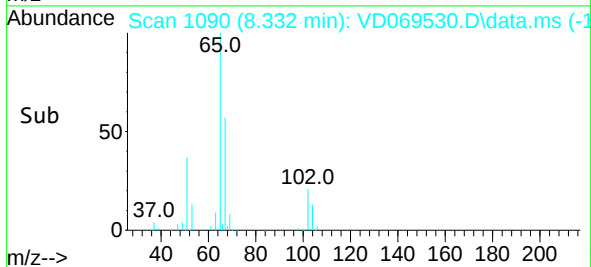
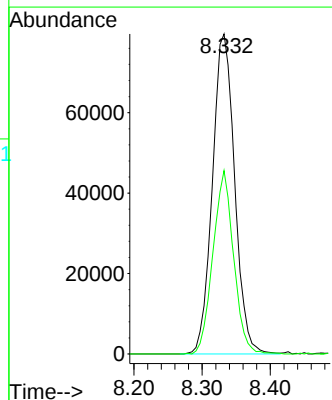
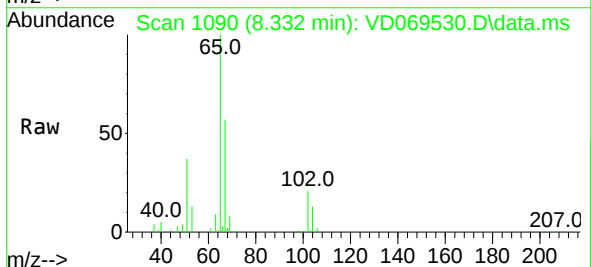
Instrument :
MSVOA_D
ClientSampleId :

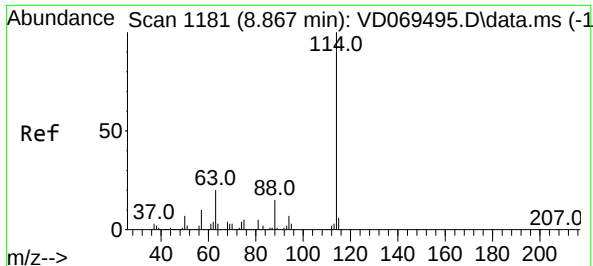
Tgt Ion: 56 Resp: 4604
Ion Ratio Lower Upper
56 100
69 146.9 28.0 42.0#
84 104.7 75.7 113.5



#33
1,2-Dichloroethane-d4
Concen: 82.625 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

Tgt Ion: 65 Resp: 180938
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.6



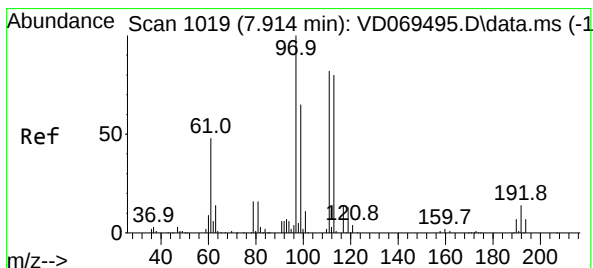
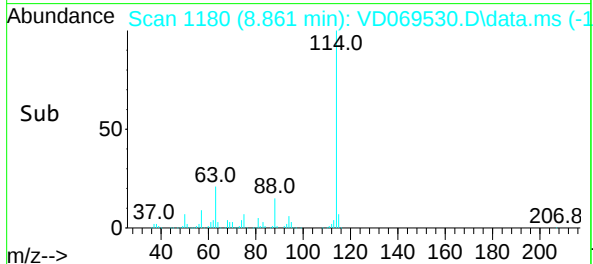
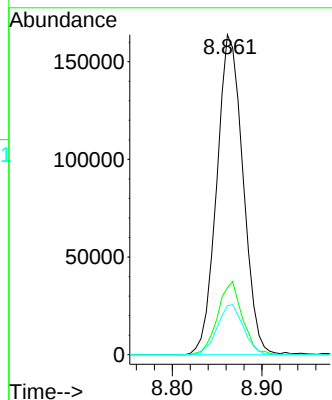
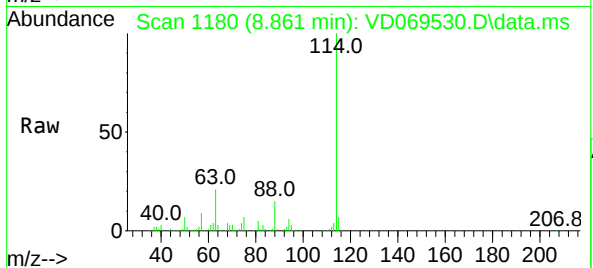


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

Instrument :
MSVOA_D
ClientSampled :

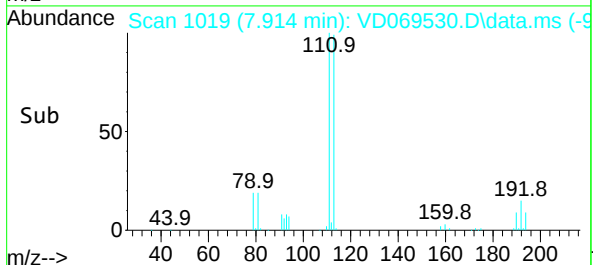
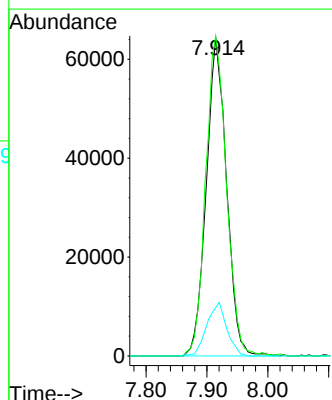
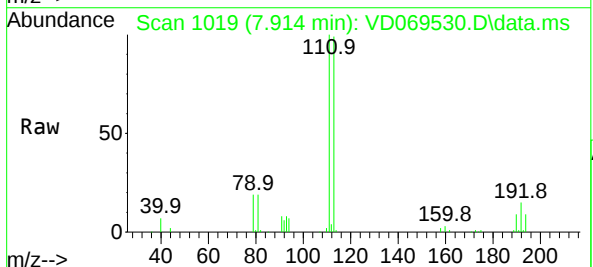
Tgt Ion:114 Resp: 332947
Ion Ratio Lower Upper
114 100
63 21.0 0.0 39.6
88 15.4 0.0 29.8

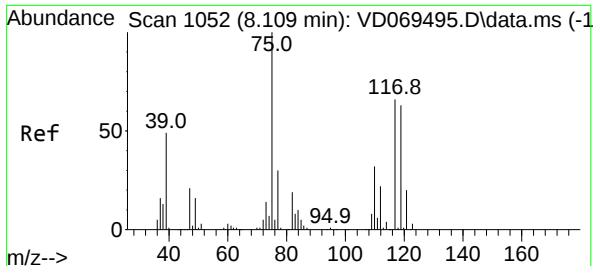


#35

Dibromofluoromethane
Concen: 66.015 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

Tgt Ion:113 Resp: 148578
Ion Ratio Lower Upper
113 100
111 103.4 81.8 122.8
192 16.6 13.8 20.6





#36

1,1-Dichloropropene

Concen: 4.826 ug/l

RT: 7.973 min Scan# 1029

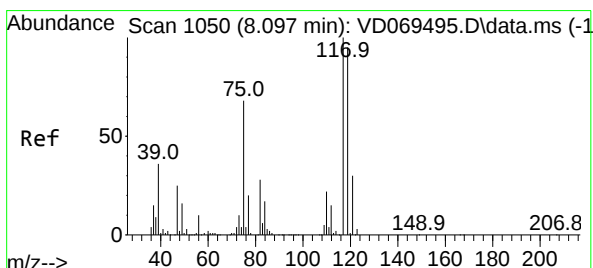
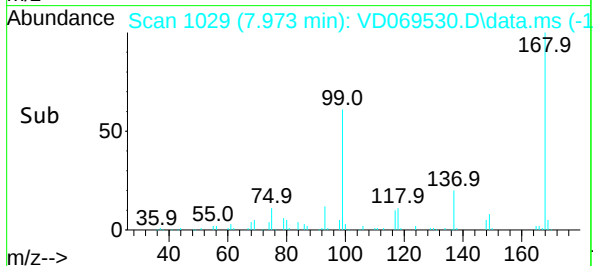
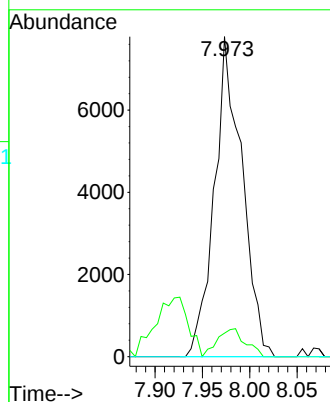
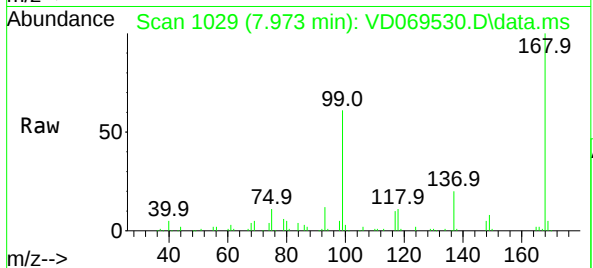
Delta R.T. -0.135 min

Lab File: VD069530.D

Acq: 22 Jun 2021 21:49

Tgt Ion:	75	Resp:	15770
Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.8	50.4#
77	0.0	24.3	36.5#

Instrument :
MSVOA_D
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.079 ug/l

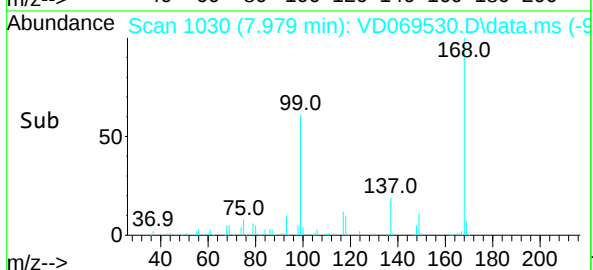
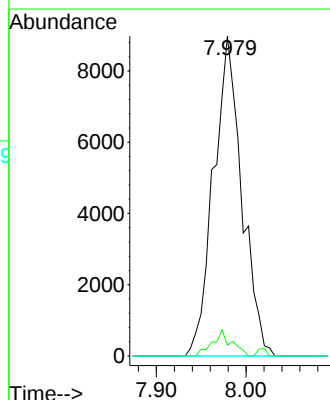
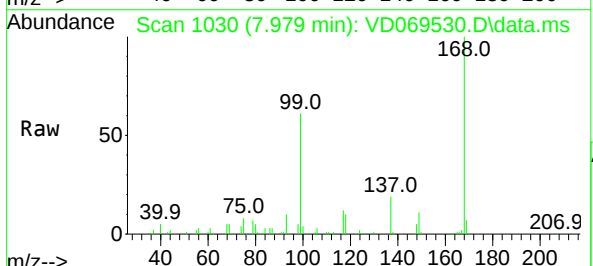
RT: 7.979 min Scan# 1030

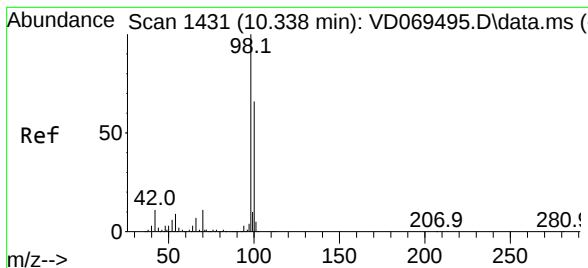
Delta R.T. -0.118 min

Lab File: VD069530.D

Acq: 22 Jun 2021 21:49

Tgt Ion:	117	Resp:	19659
Ion	Ratio	Lower	Upper
117	100		
119	3.4	75.6	113.4#
121	0.0	23.8	35.8#

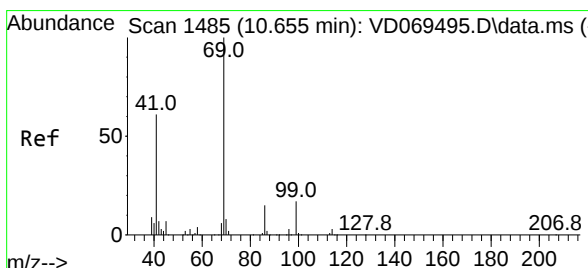
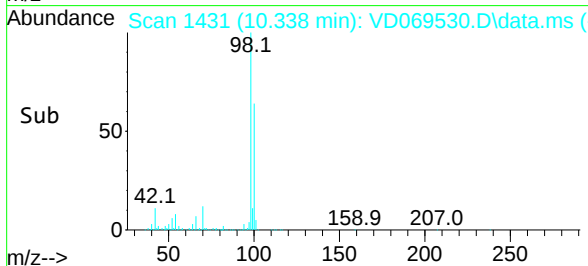
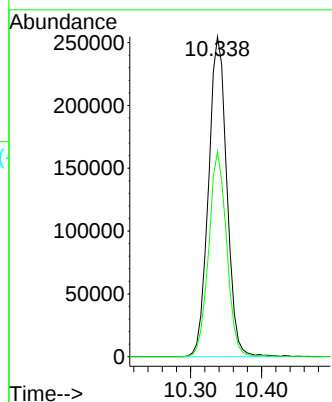
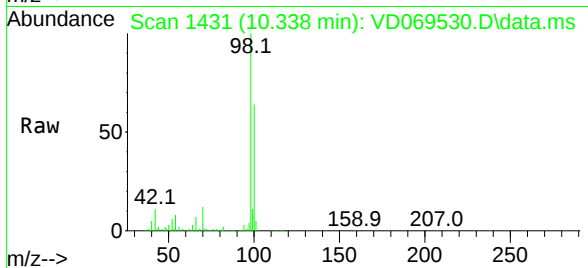




#50
Toluene-d8
Concen: 54.042 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

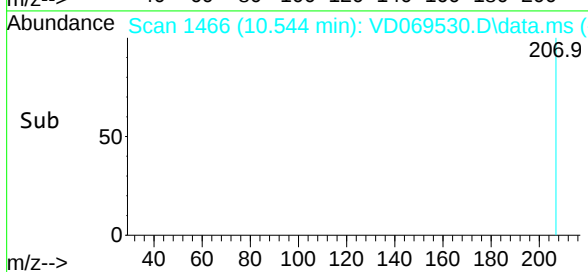
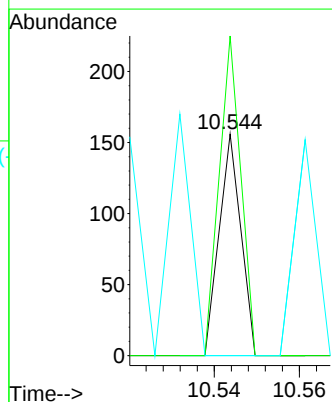
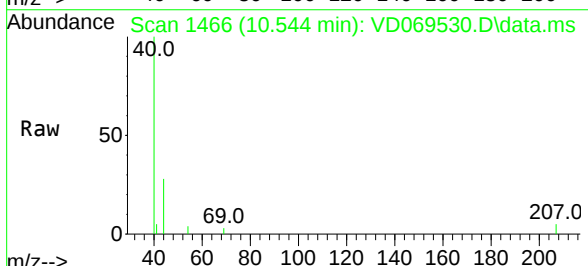
Instrument :
MSVOA_D
ClientSampleId :

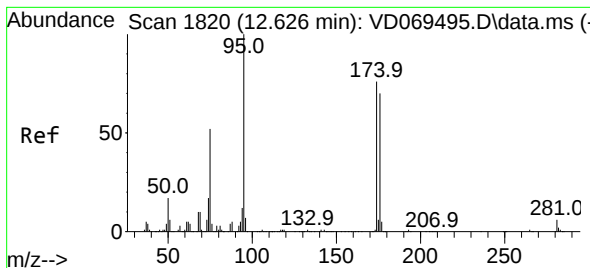
Tgt Ion: 98 Resp: 456226
Ion Ratio Lower Upper
98 100
100 62.6 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.606 ug/l
RT: 10.544 min Scan# 1466
Delta R.T. -0.111 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 143.6 49.4 74.0#
39 207.3 26.9 40.3#

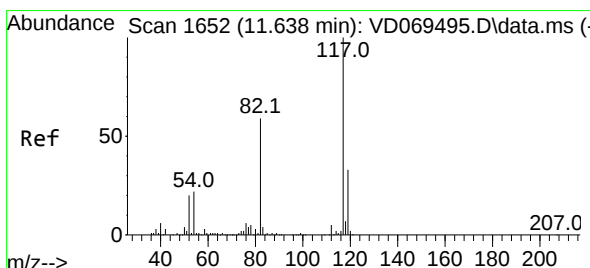
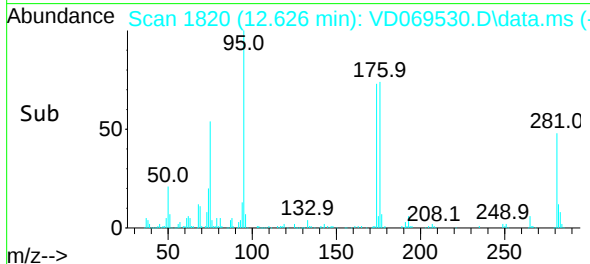
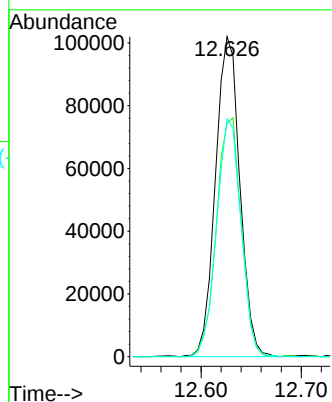
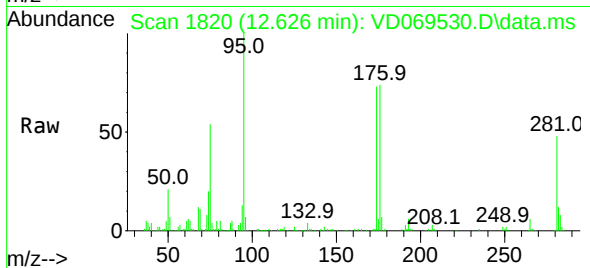




#62
4-Bromofluorobenzene
Concen: 62.093 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

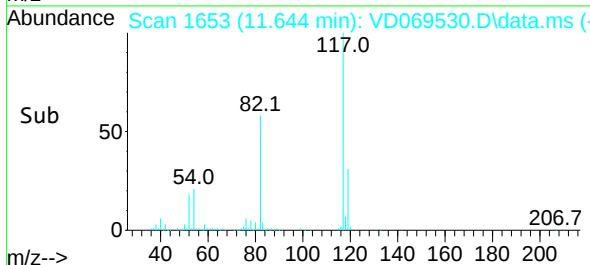
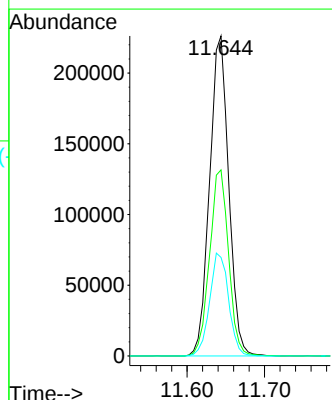
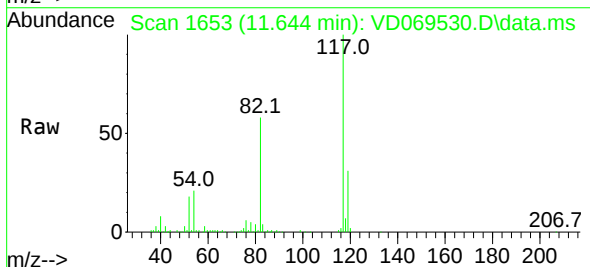
Instrument :
MSVOA_D
ClientSampleId :

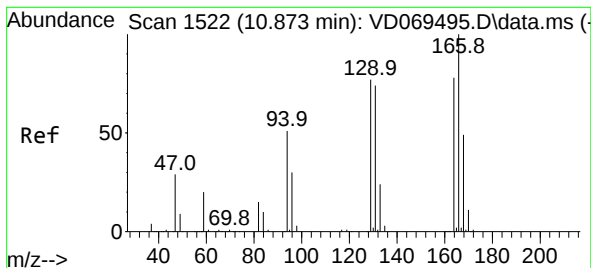
Tgt Ion: 95 Resp: 172332
Ion Ratio Lower Upper
95 100
174 76.2 0.0 148.0
176 74.3 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

Tgt Ion: 117 Resp: 387568
Ion Ratio Lower Upper
117 100
82 58.1 46.8 70.2
119 30.8 26.2 39.2





#64

Tetrachloroethene

Concen: 1.039 ug/l

RT: 10.867 min Scan# 1521

Delta R.T. -0.006 min

Lab File: VD069530.D

Acq: 22 Jun 2021 21:49

Tgt Ion:164 Resp: 2529

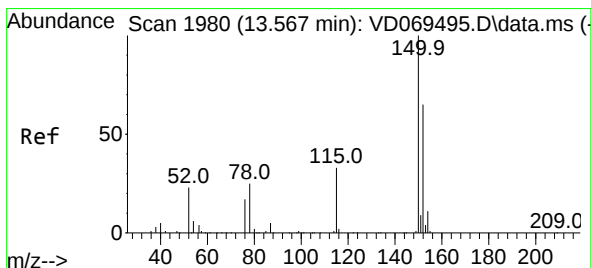
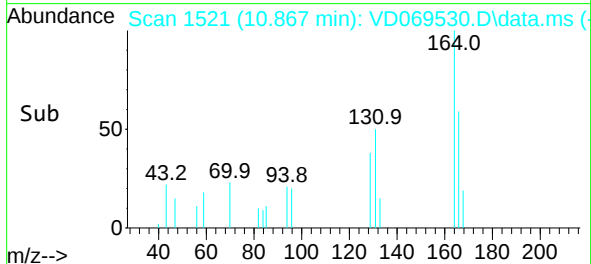
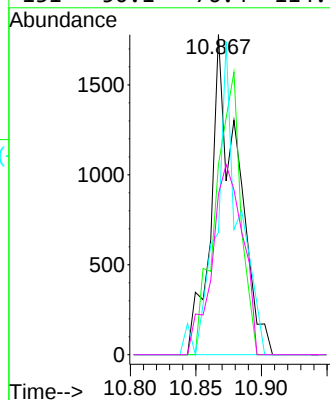
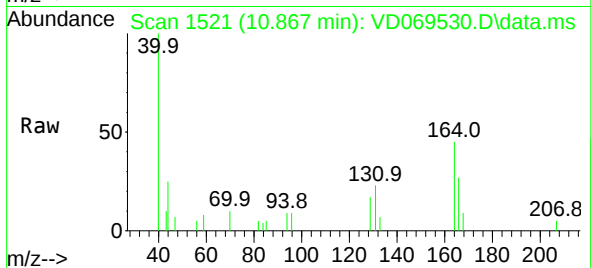
Ion Ratio Lower Upper

164 100

166 59.4 102.6 153.8#

129 38.1 79.1 118.7#

131 50.1 76.4 114.6#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. 0.000 min

Lab File: VD069530.D

Acq: 22 Jun 2021 21:49

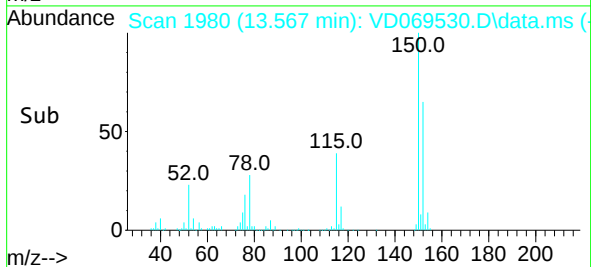
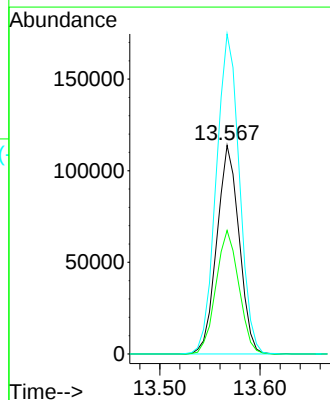
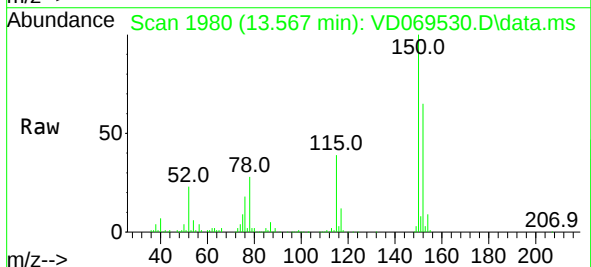
Tgt Ion:152 Resp: 175786

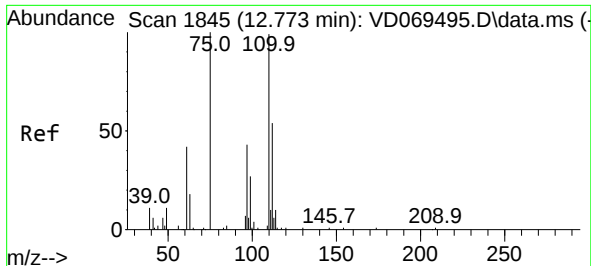
Ion Ratio Lower Upper

152 100

115 60.9 31.7 95.1

150 159.1 0.0 350.8

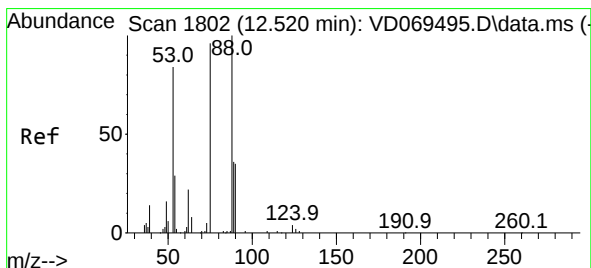
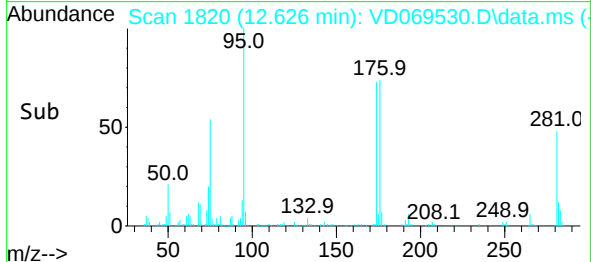
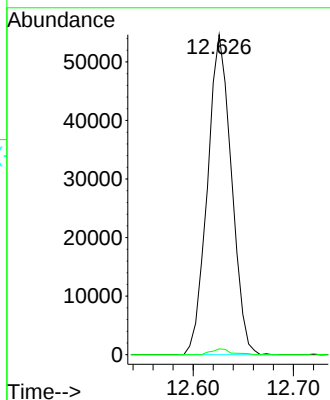
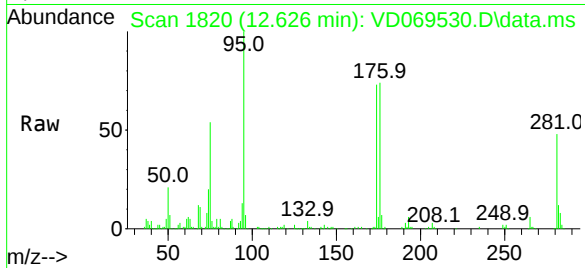




#76
1,2,3-Trichloropropane
Concen: 52.783 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

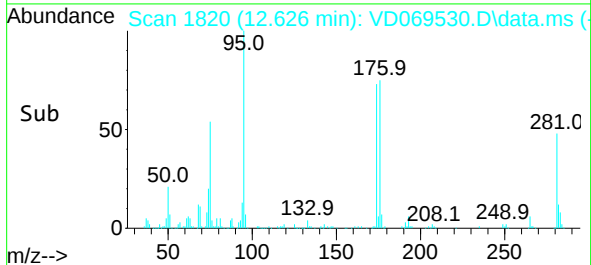
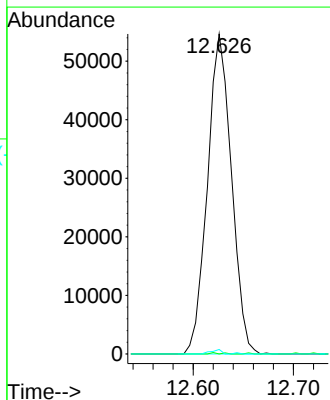
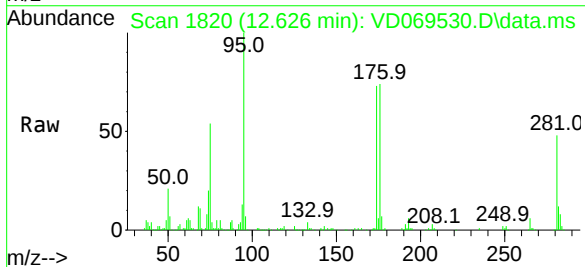
Instrument :
MSVOA_D
ClientSampleId :

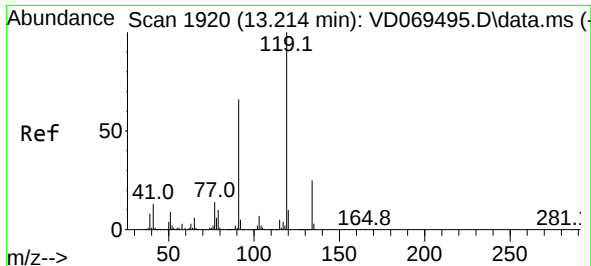
Tgt Ion: 75 Resp: 91081
Ion Ratio Lower Upper
75 100
77 1.5 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.793 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

Tgt Ion: 75 Resp: 91081
Ion Ratio Lower Upper
75 100
53 0.2 74.6 112.0#
89 0.6 35.3 52.9#

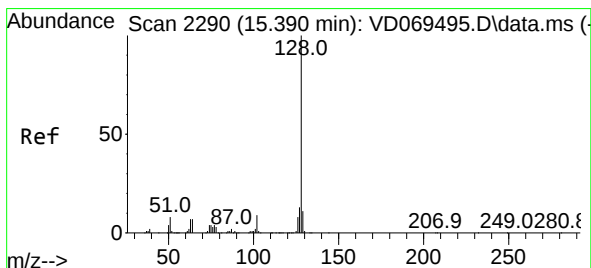
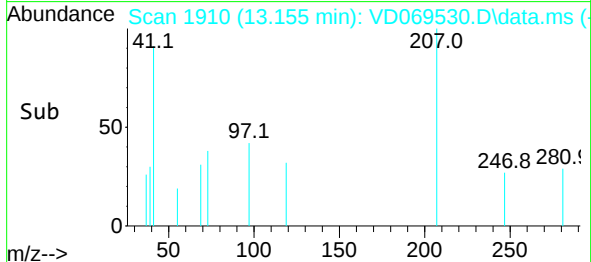
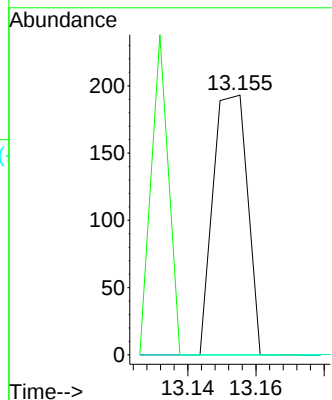
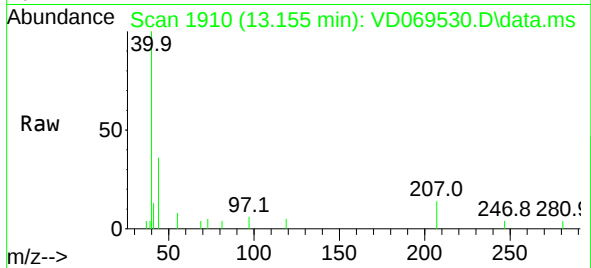




#83
tert-Butylbenzene
Concen: 2.006 ug/l
RT: 13.155 min Scan# 1910
Delta R.T. -0.059 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:119 Resp: 135
Ion Ratio Lower Upper
119 100
91 0.0 32.5 97.4#
134 0.0 12.9 38.7#



#95
Naphthalene
Concen: 3.392 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.011 min
Lab File: VD069530.D
Acq: 22 Jun 2021 21:49

Tgt Ion:128 Resp: 219
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

