

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069522.D
 Acq On : 22 Jun 2021 18:05
 Operator : VA/SY
 Sample : M2773-08
 Misc : 5.49G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

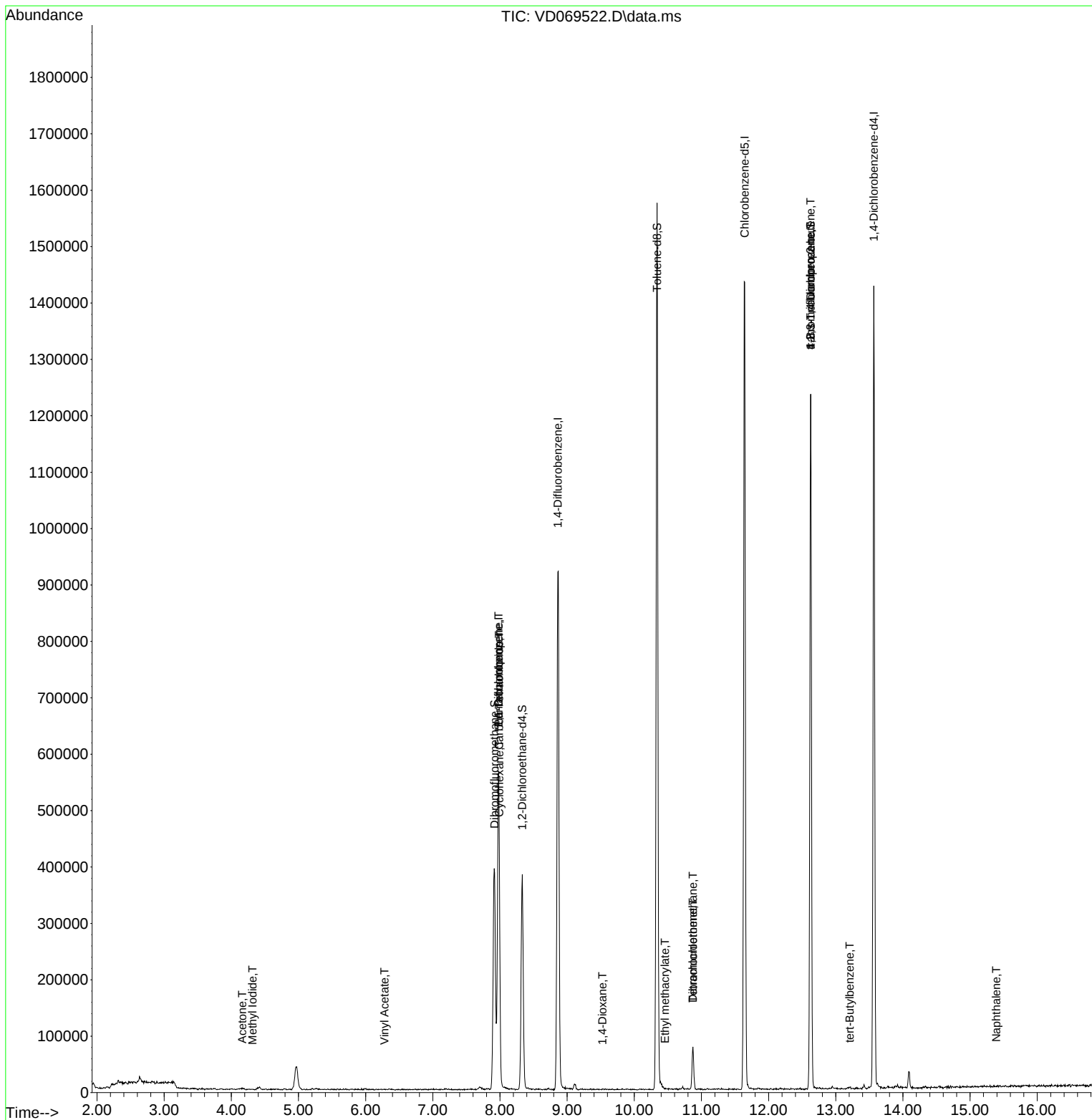
Quant Time: Jun 23 04:30:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

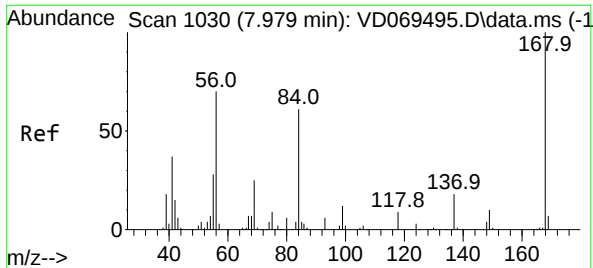
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	397124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	808452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	851078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	369458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	304568	61.528	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.060%			
35) Dibromofluoromethane	7.920	113	293869	53.773	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.540%			
50) Toluene-d8	10.338	98	1068985	52.149	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.300%			
62) 4-Bromofluorobenzene	12.626	95	360013	53.422	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.840%			
Target Compounds						
5) Bromomethane	2.768	94	1380	Below Cal	#	3
10) Methyl Iodide	4.315	142	63	3.954	ug/l #	39
11) Tert butyl alcohol	5.209	59	237	Below Cal	#	83
16) Acetone	4.162	43	2705	3.247	ug/l	89
18) Methyl Acetate	4.920	43	79	Below Cal	#	49
20) Methylene Chloride	4.973	84	33221	Below Cal	#	80
23) Vinyl Acetate	6.279	43	70	19.020	ug/l #	70
31) Cyclohexane	7.991	56	9925	1.489	ug/l #	45
36) 1,1-Dichloropropene	7.979	75	36631	4.617	ug/l #	51
38) Carbon Tetrachloride	7.985	117	42805	5.451	ug/l #	16
49) 1,4-Dioxane	9.526	88	60	1.981	ug/l #	23
56) Ethyl methacrylate	10.455	69	58	2.592	ug/l #	1
60) Dibromochloromethane	10.873	129	17019	3.325	ug/l #	10
64) Tetrachloroethene	10.873	164	17294	3.236	ug/l	95
76) 1,2,3-Trichloropropane	12.626	75	189520	52.257	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	189520	130.478	ug/l #	13
83) tert-Butylbenzene	13.208	119	184	2.001	ug/l #	1
95) Naphthalene	15.390	128	321	3.380	ug/l #	69

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

Quant Time: Jun 23 04:30:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 22 04:33:24 2021
Response via : Initial Calibration

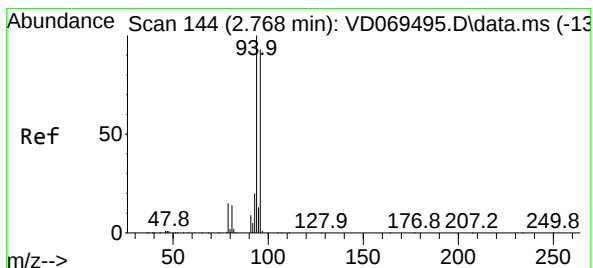
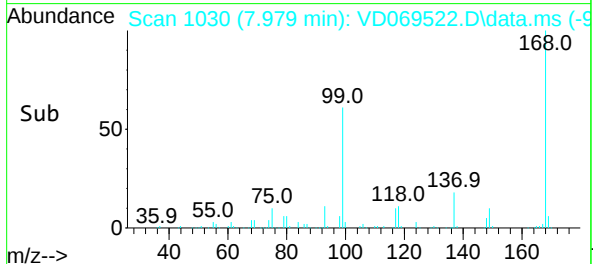
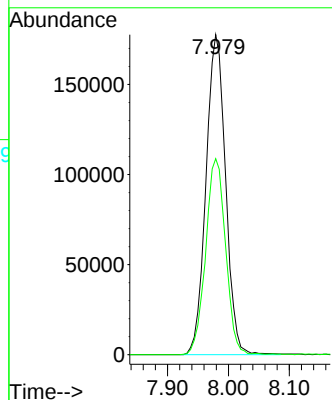
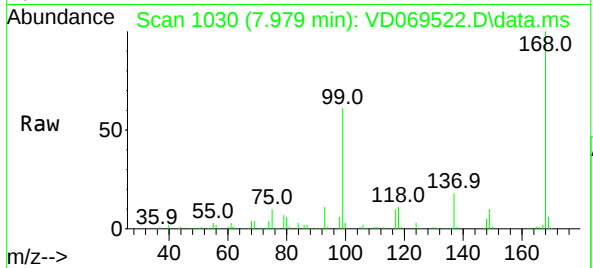




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05

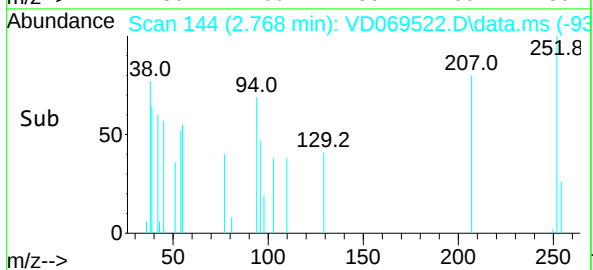
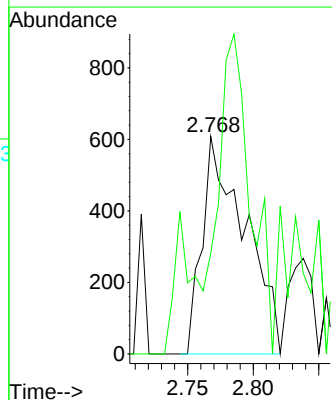
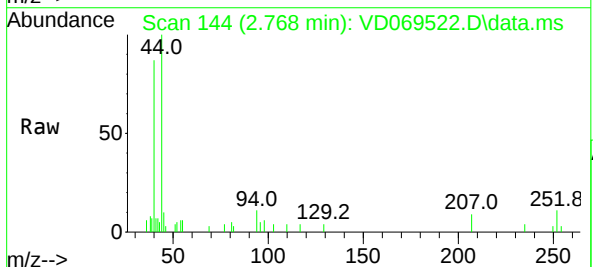
Instrument :
MSVOA_D
ClientSampleId :

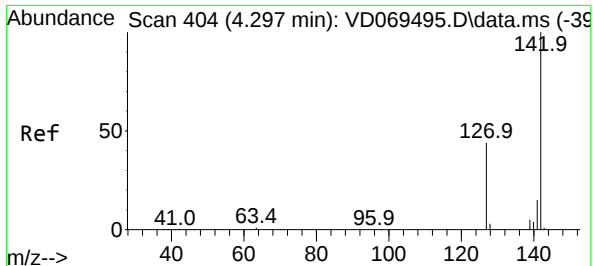
Tgt Ion:168 Resp: 397124
Ion Ratio Lower Upper
168 100
99 61.3 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05

Tgt Ion: 94 Resp: 1380
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

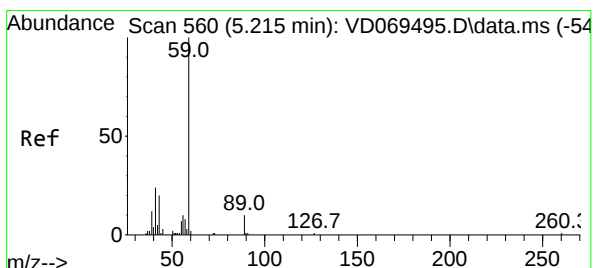
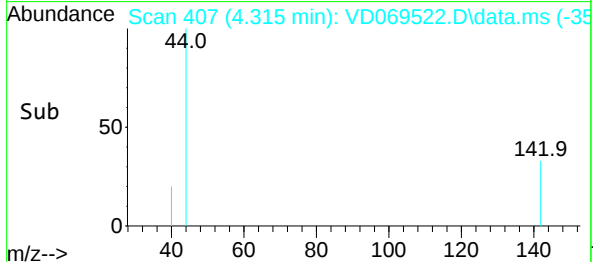
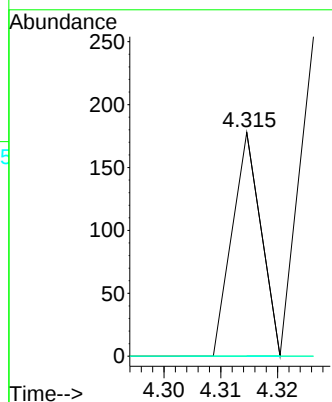
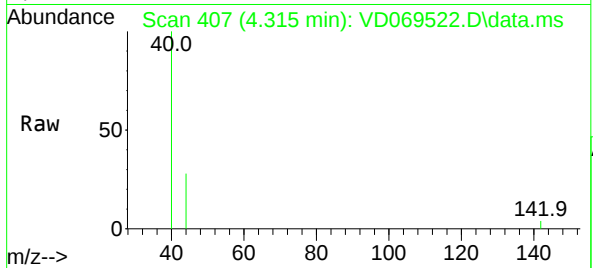




#10
Methyl Iodide
Concen: 3.954 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05

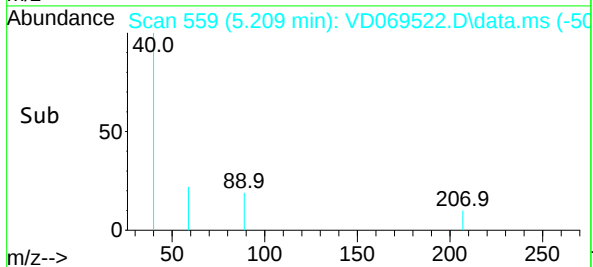
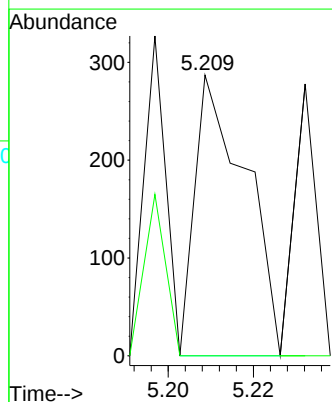
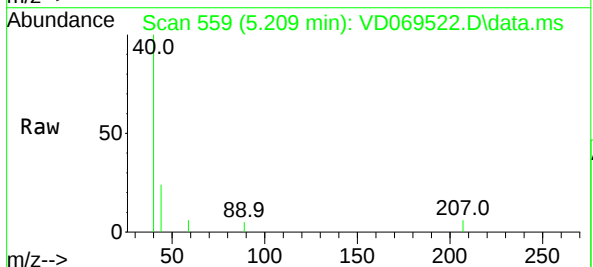
Instrument :
MSVOA_D
ClientSampleId :

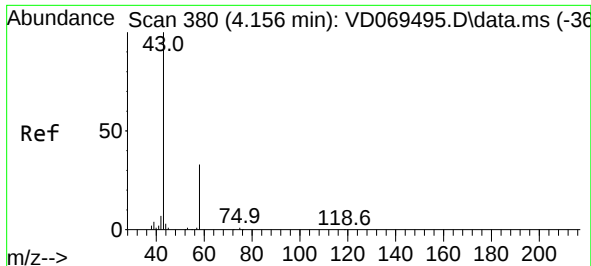
Tgt Ion:142 Resp: 63
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.006 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05

Tgt Ion: 59 Resp: 237
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

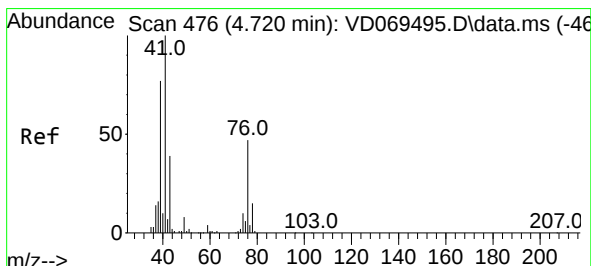
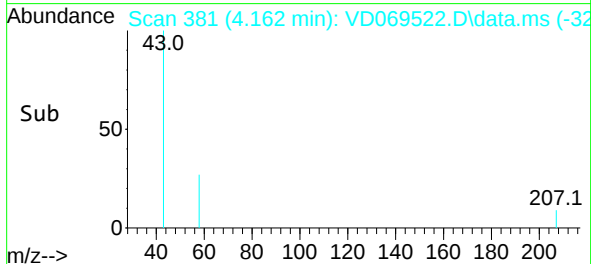
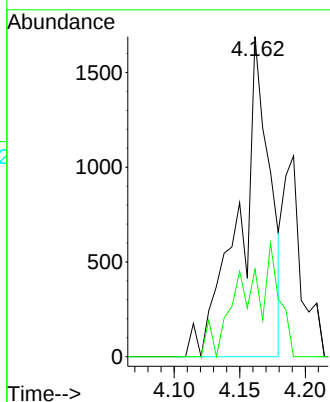
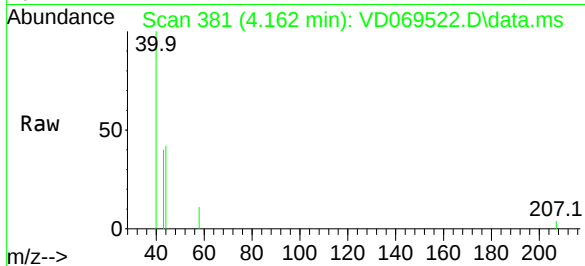




#16
Acetone
Concen: 3.247 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05

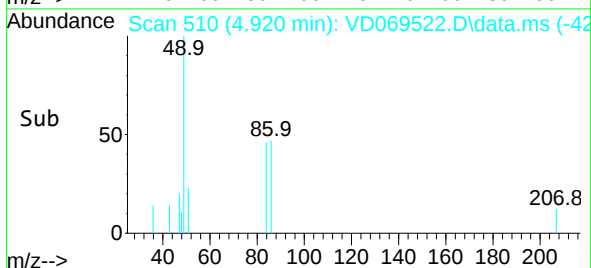
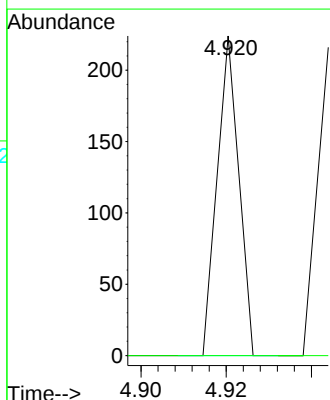
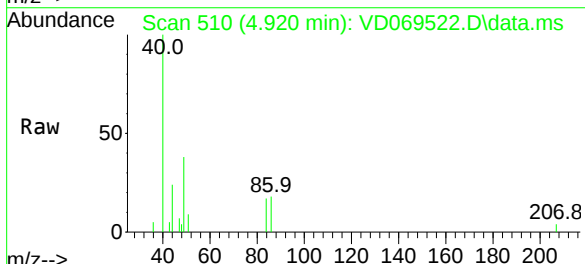
Instrument :
MSVOA_D
ClientSampleId :

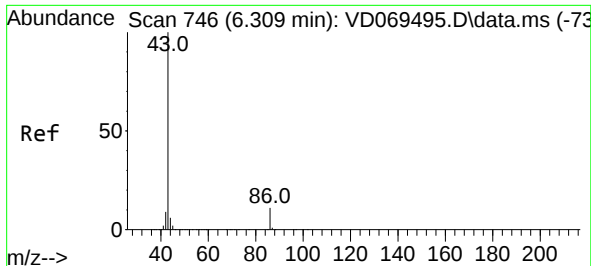
Tgt Ion: 43 Resp: 2705
Ion Ratio Lower Upper
43 100
58 27.4 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.920 min Scan# 510
Delta R.T. 0.200 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05

Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

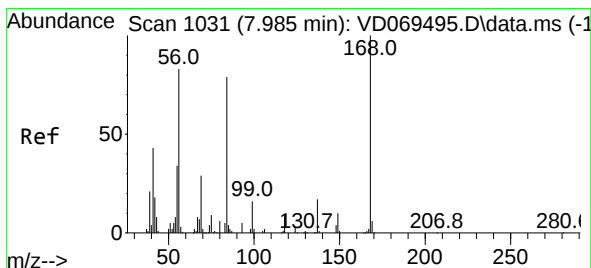
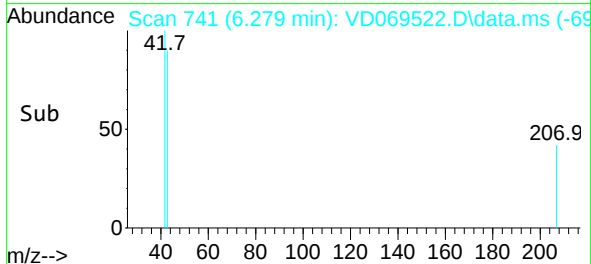
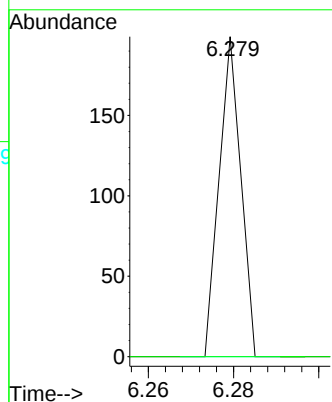
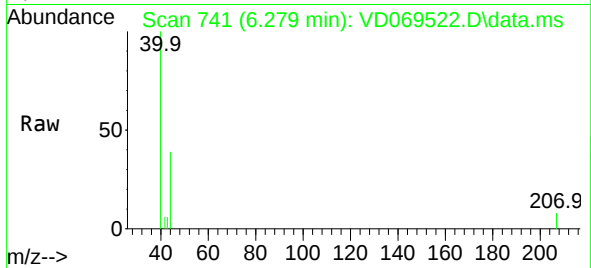




#23
 Vinyl Acetate
 Concen: 19.020 ug/l
 RT: 6.279 min Scan# 741
 Delta R.T. -0.030 min
 Lab File: VD069522.D
 Acq: 22 Jun 2021 18:05

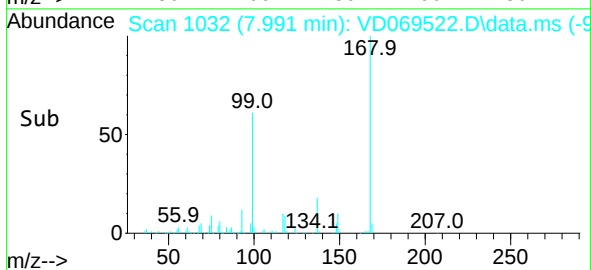
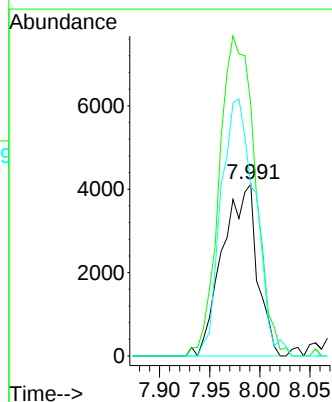
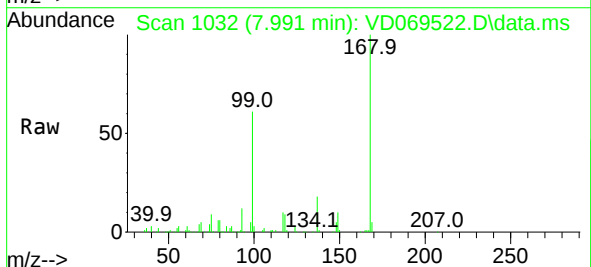
Instrument :
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 ClientSampleId :

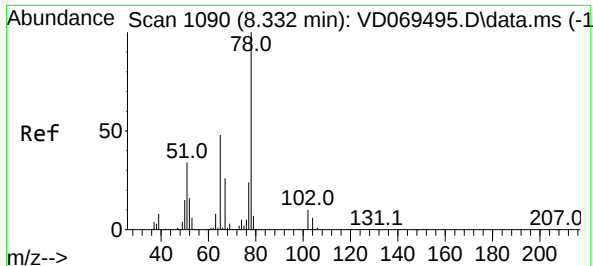
Tgt Ion: 43 Resp: 70
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#31
 Cyclohexane
 Concen: 1.489 ug/l
 RT: 7.991 min Scan# 1032
 Delta R.T. 0.006 min
 Lab File: VD069522.D
 Acq: 22 Jun 2021 18:05

Tgt Ion: 56 Resp: 9925
 Ion Ratio Lower Upper
 56 100
 69 146.4 28.0 42.0#
 84 98.6 75.7 113.5

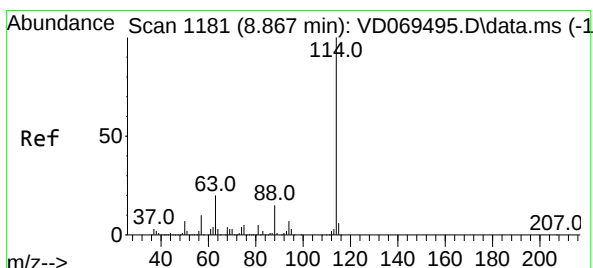
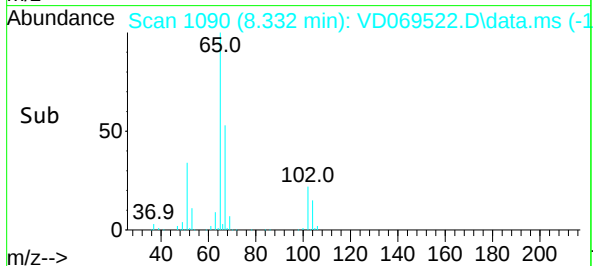
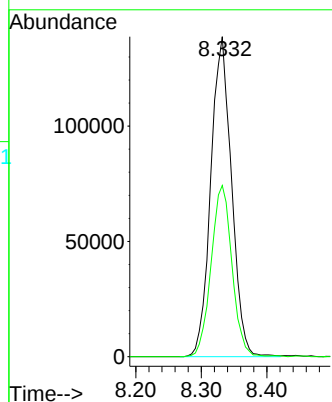
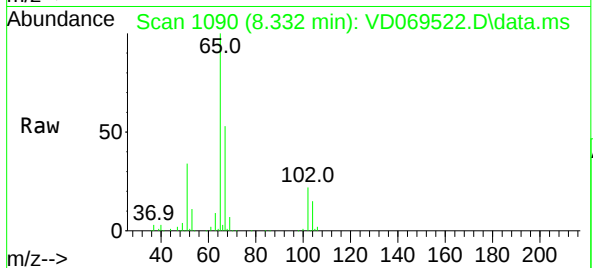




#33
1,2-Dichloroethane-d4
Concen: 61.528 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05

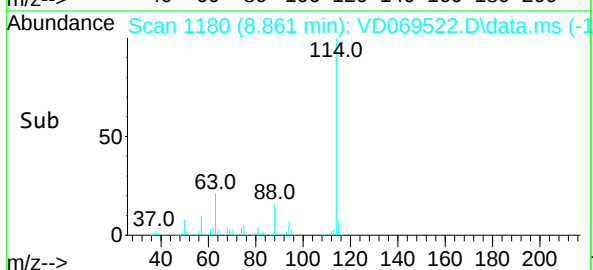
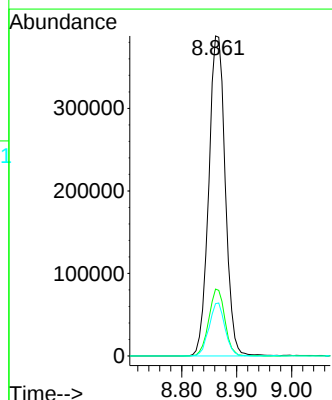
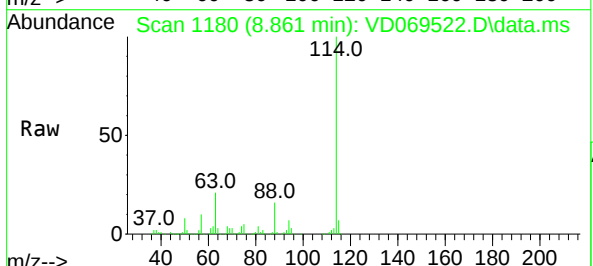
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MSVOA_D
ClientSampleId :

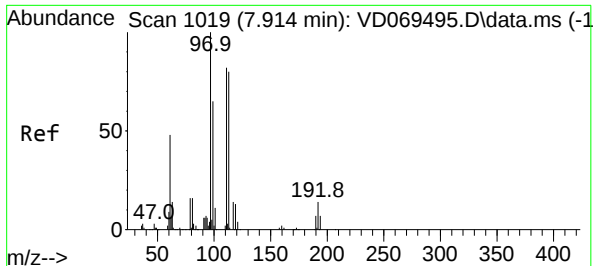
Tgt Ion: 65 Resp: 304568
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05

Tgt Ion: 114 Resp: 808452
Ion Ratio Lower Upper
114 100
63 20.9 0.0 39.6
88 16.3 0.0 29.8



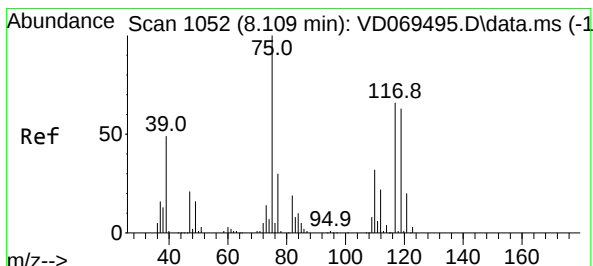
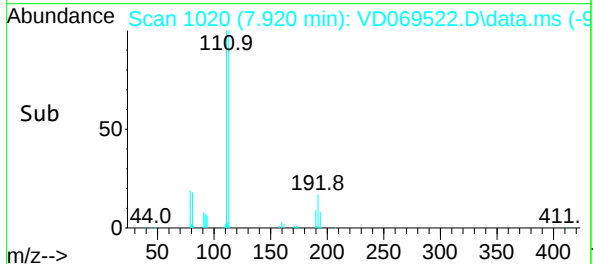
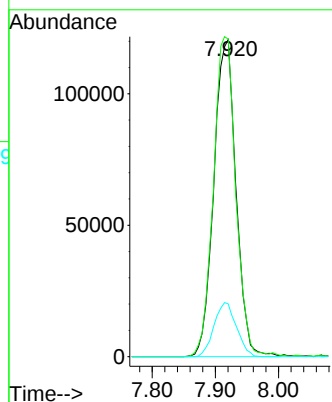
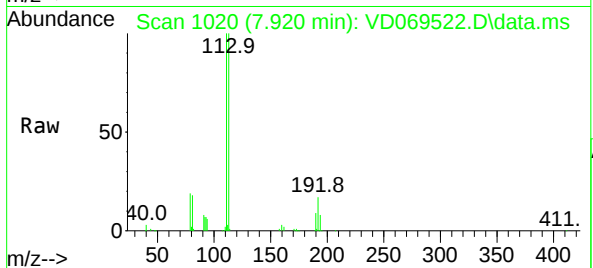


#35

Dibromofluoromethane
Concen: 53.773 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05

Instrument :
MSVOA_D
ClientSampleId :

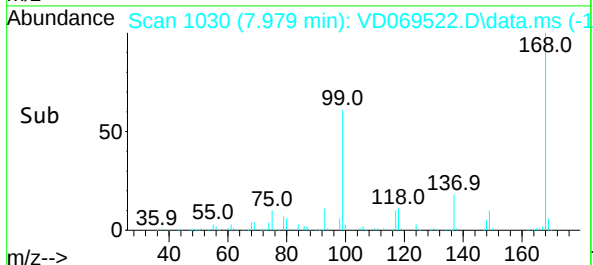
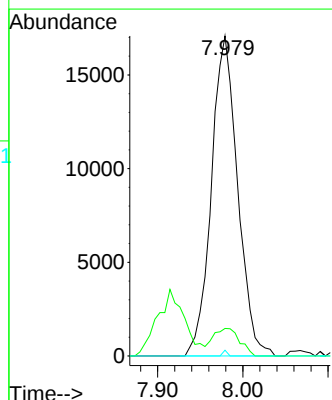
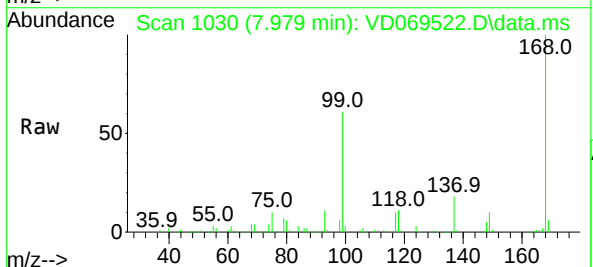
Tgt Ion:113 Resp: 293869
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 17.2 13.8 20.6

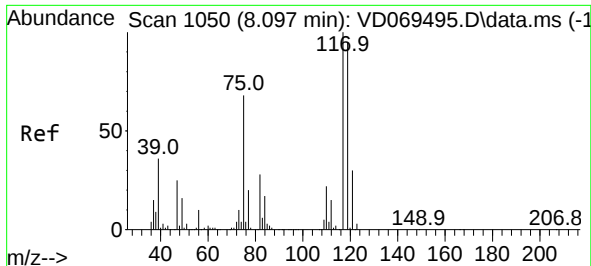


#36

1,1-Dichloropropene
Concen: 4.617 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05

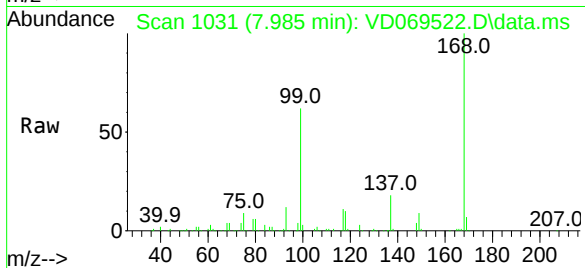
Tgt Ion: 75 Resp: 36631
Ion Ratio Lower Upper
75 100
110 8.7 16.8 50.4#
77 0.3 24.3 36.5#



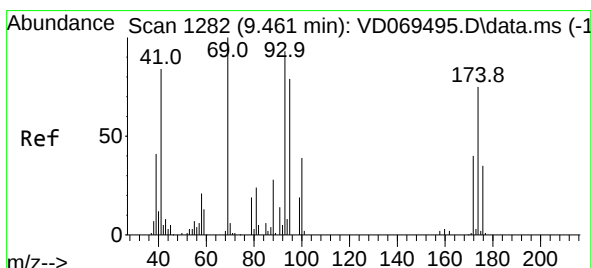
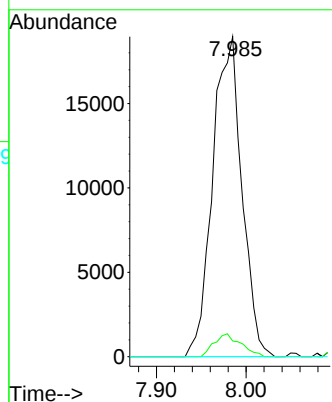
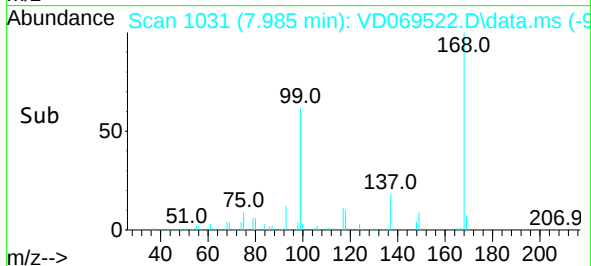


#38
Carbon Tetrachloride
Concen: 5.451 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05

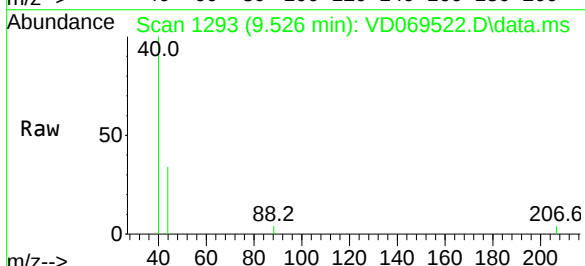
Instrument :
MSVOA_D
ClientSampled :



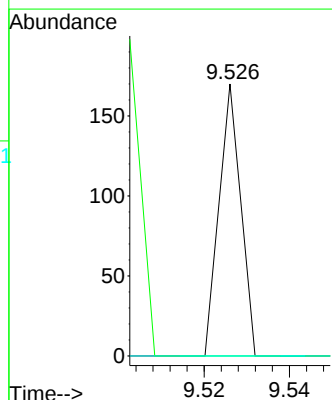
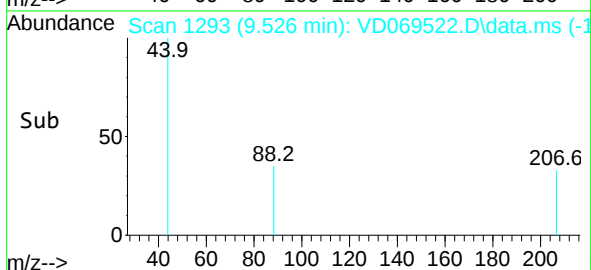
Tgt Ion:117 Resp: 42805
Ion Ratio Lower Upper
117 100
119 4.9 75.6 113.4#
121 0.0 23.8 35.8#

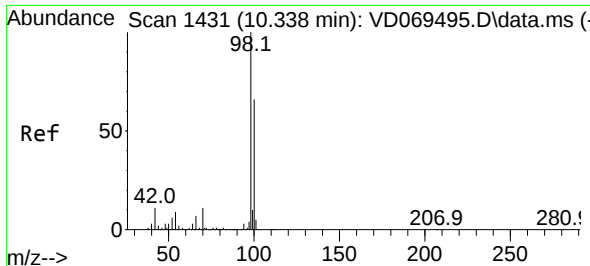


#49
1,4-Dioxane
Concen: 1.981 ug/l
RT: 9.526 min Scan# 1293
Delta R.T. 0.065 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05



Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 0.0 56.0 84.0#

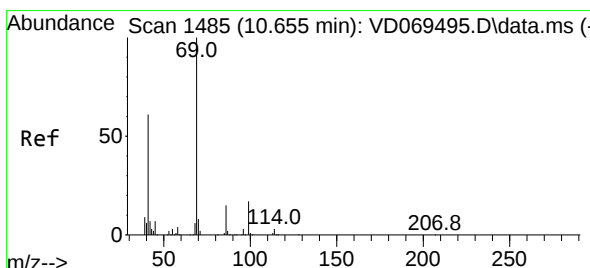
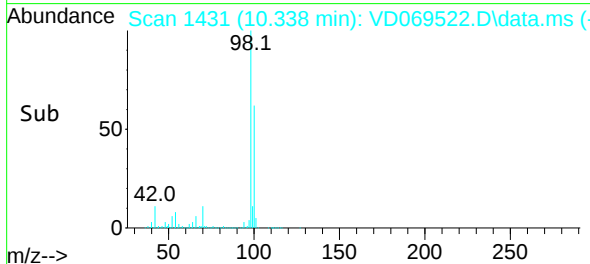
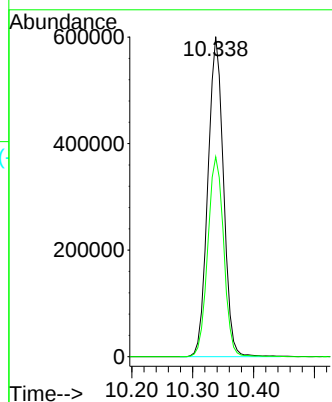
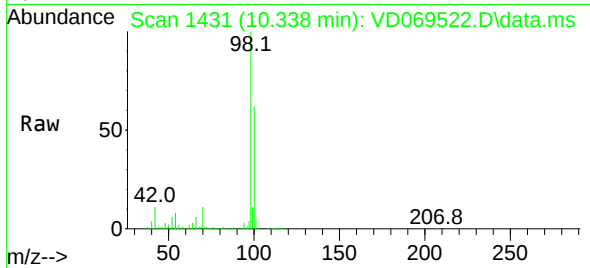




#50
Toluene-d8
Concen: 52.149 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05

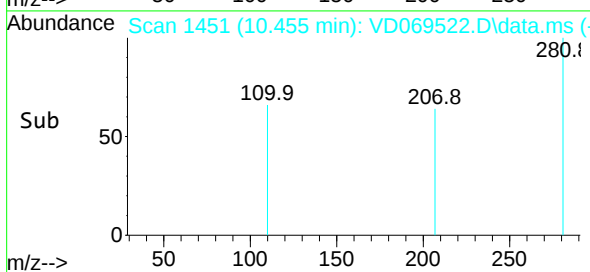
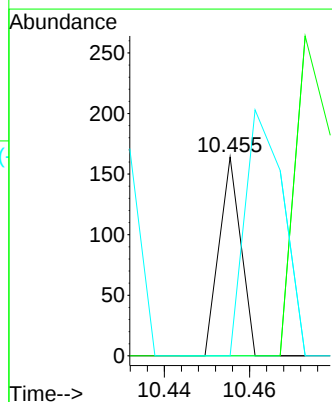
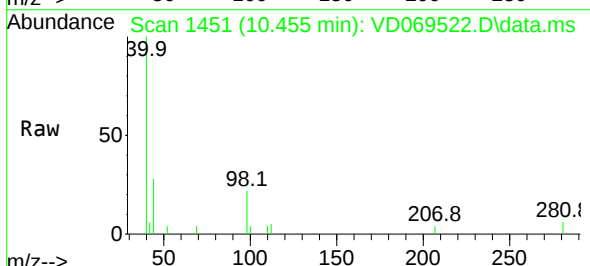
Instrument :
MSVOA_D
ClientSampleId :

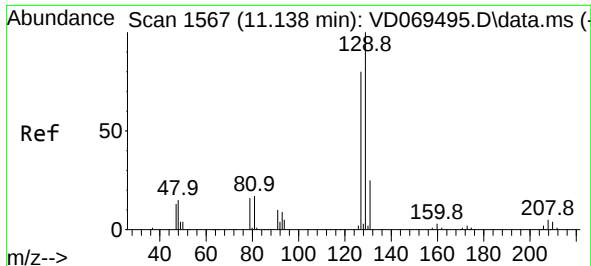
Tgt Ion: 98 Resp: 1068985
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.592 ug/l
RT: 10.455 min Scan# 1451
Delta R.T. -0.200 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05

Tgt Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 217.2 26.9 40.3#

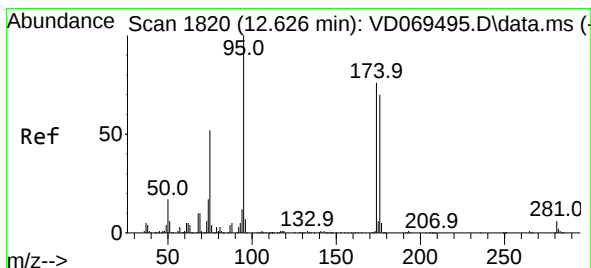
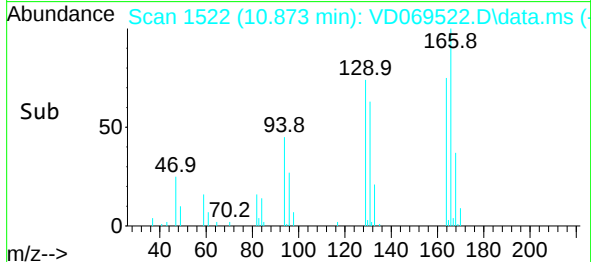
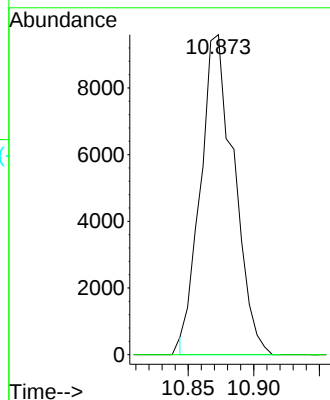
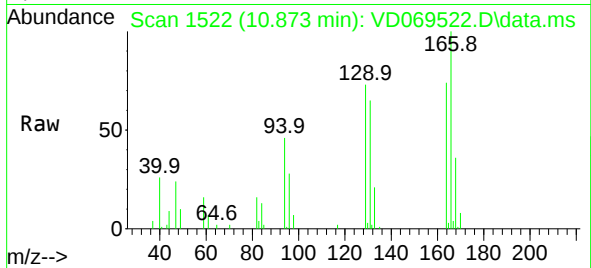




#60
Dibromochloromethane
Concen: 3.325 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.265 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05

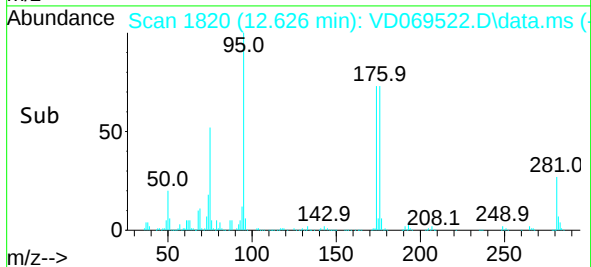
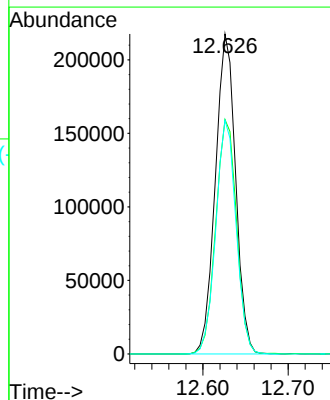
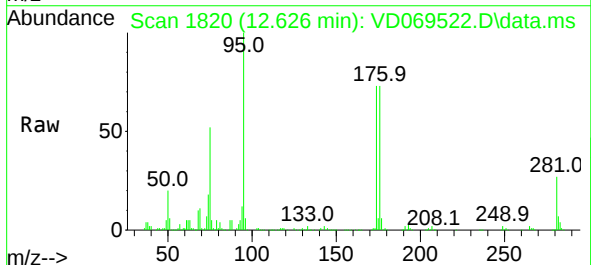
Instrument :
MSVOA_D
ClientSampleId :

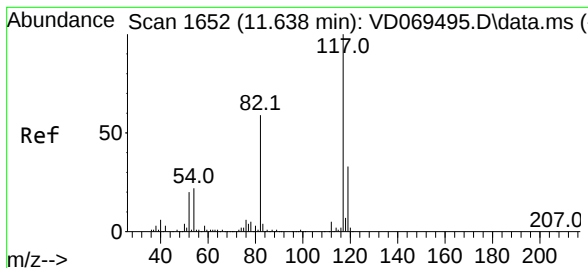
Tgt Ion:129 Resp: 17019
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 53.422 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05

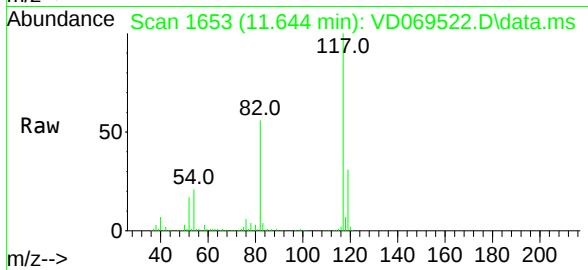
Tgt Ion: 95 Resp: 360013
Ion Ratio Lower Upper
95 100
174 75.2 0.0 148.0
176 73.1 0.0 139.8



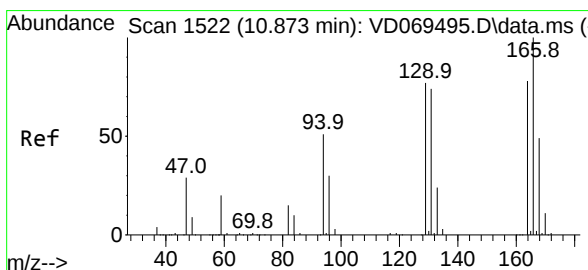
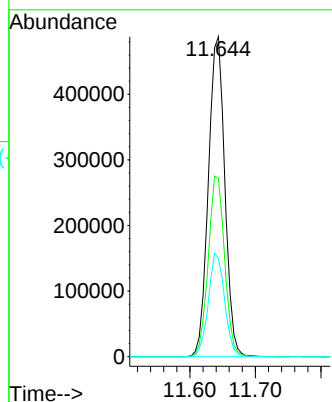
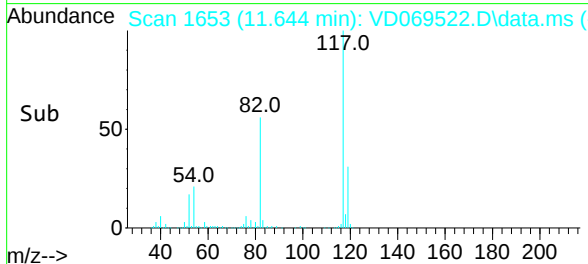


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05

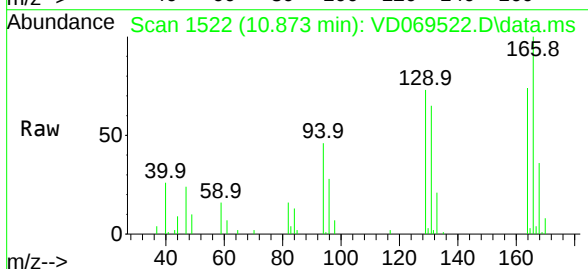
Instrument :
MSVOA_D
ClientSampleId :



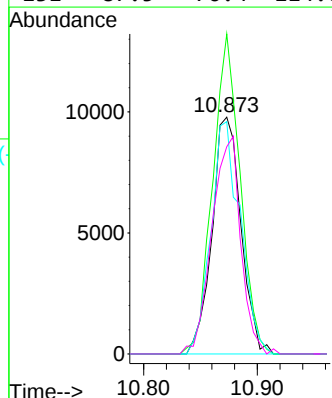
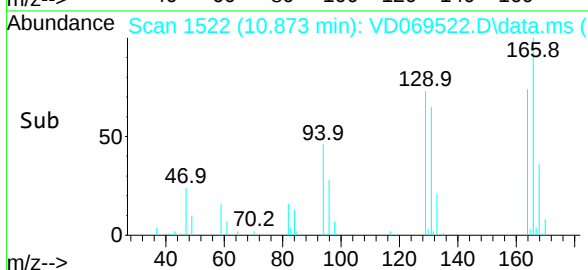
Tgt Ion:117 Resp: 851078
Ion Ratio Lower Upper
117 100
82 55.6 46.8 70.2
119 30.7 26.2 39.2

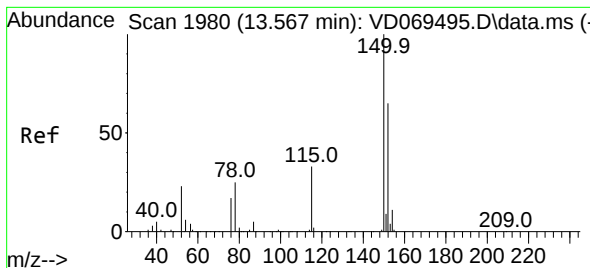


#64
Tetrachloroethene
Concen: 3.236 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05



Tgt Ion:164 Resp: 17294
Ion Ratio Lower Upper
164 100
166 135.1 102.6 153.8
129 98.1 79.1 118.7
131 87.5 76.4 114.6

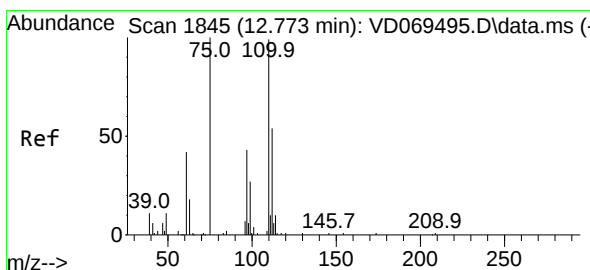
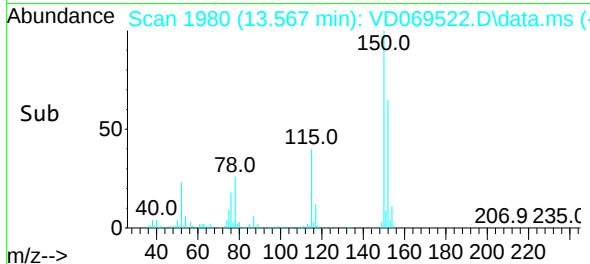
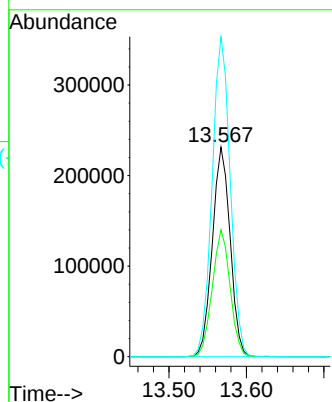
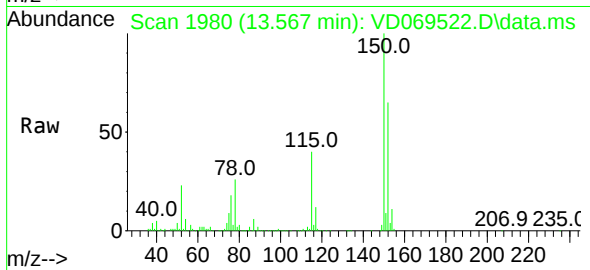




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069522.D
 Acq: 22 Jun 2021 18:05

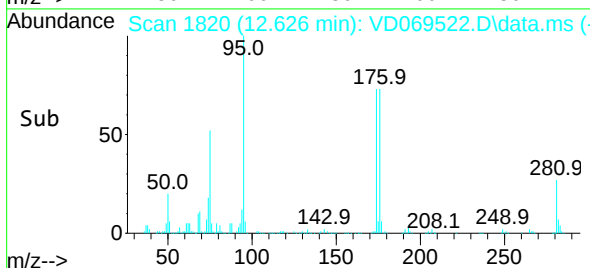
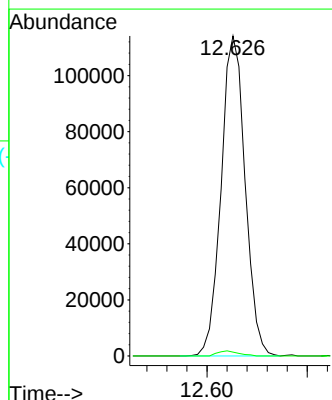
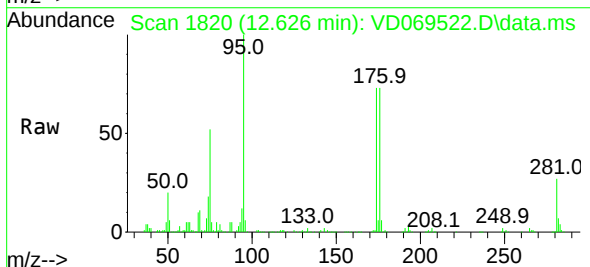
Instrument :
 MSVOA_D
 ClientSampleId :

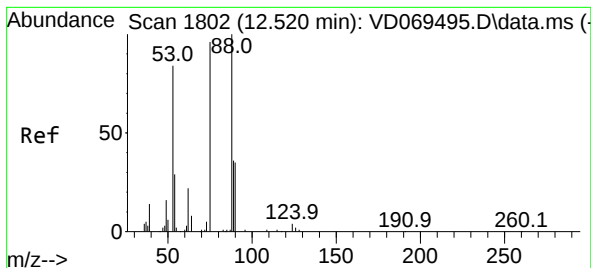
Tgt Ion:152 Resp: 369458
 Ion Ratio Lower Upper
 152 100
 115 60.5 31.7 95.1
 150 155.0 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 52.257 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069522.D
 Acq: 22 Jun 2021 18:05

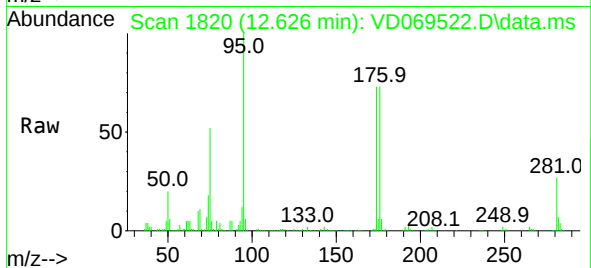
Tgt Ion: 75 Resp: 189520
 Ion Ratio Lower Upper
 75 100
 77 1.4 162.6 487.8#



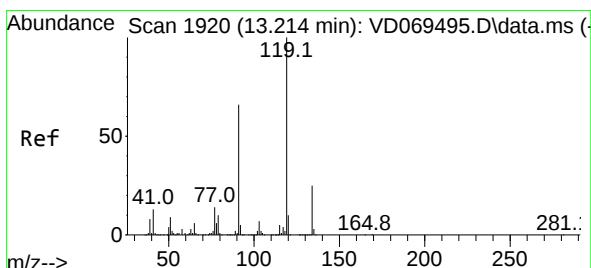
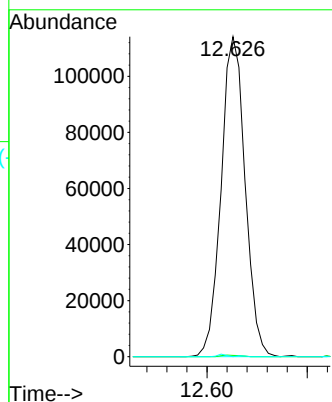
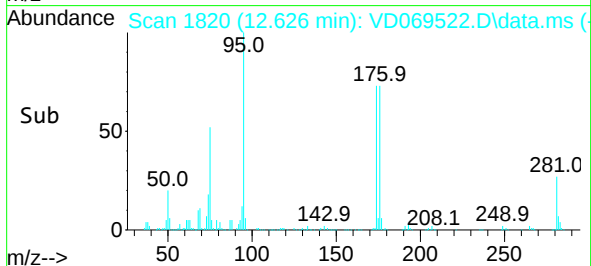


#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.478 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069522.D
 Acq: 22 Jun 2021 18:05

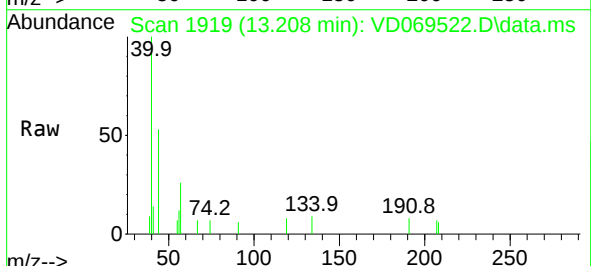
Instrument :
 MSVOA_D
 ClientSampleId :



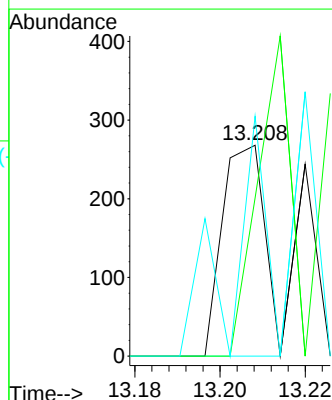
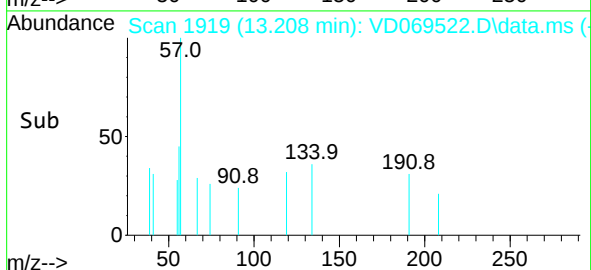
Tgt Ion: 75 Resp: 189520
 Ion Ratio Lower Upper
 75 100
 53 0.4 74.6 112.0#
 89 0.3 35.3 52.9#

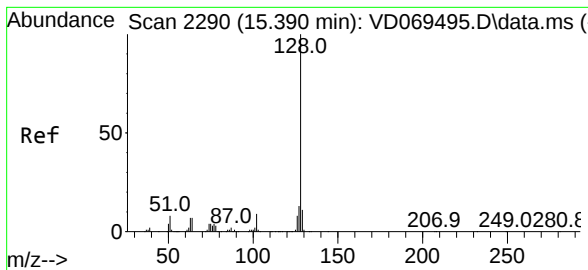


#83
 tert-Butylbenzene
 Concen: 2.001 ug/l
 RT: 13.208 min Scan# 1919
 Delta R.T. -0.006 min
 Lab File: VD069522.D
 Acq: 22 Jun 2021 18:05



Tgt Ion: 119 Resp: 184
 Ion Ratio Lower Upper
 119 100
 91 181.0 32.5 97.4#
 134 156.5 12.9 38.7#





#95
Naphthalene
Concen: 3.380 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069522.D
Acq: 22 Jun 2021 18:05

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 321
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

