

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069520.D
 Acq On : 22 Jun 2021 17:09
 Operator : VA/SY
 Sample : M2773-06
 Misc : 5.46G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 23 04:29:28 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)

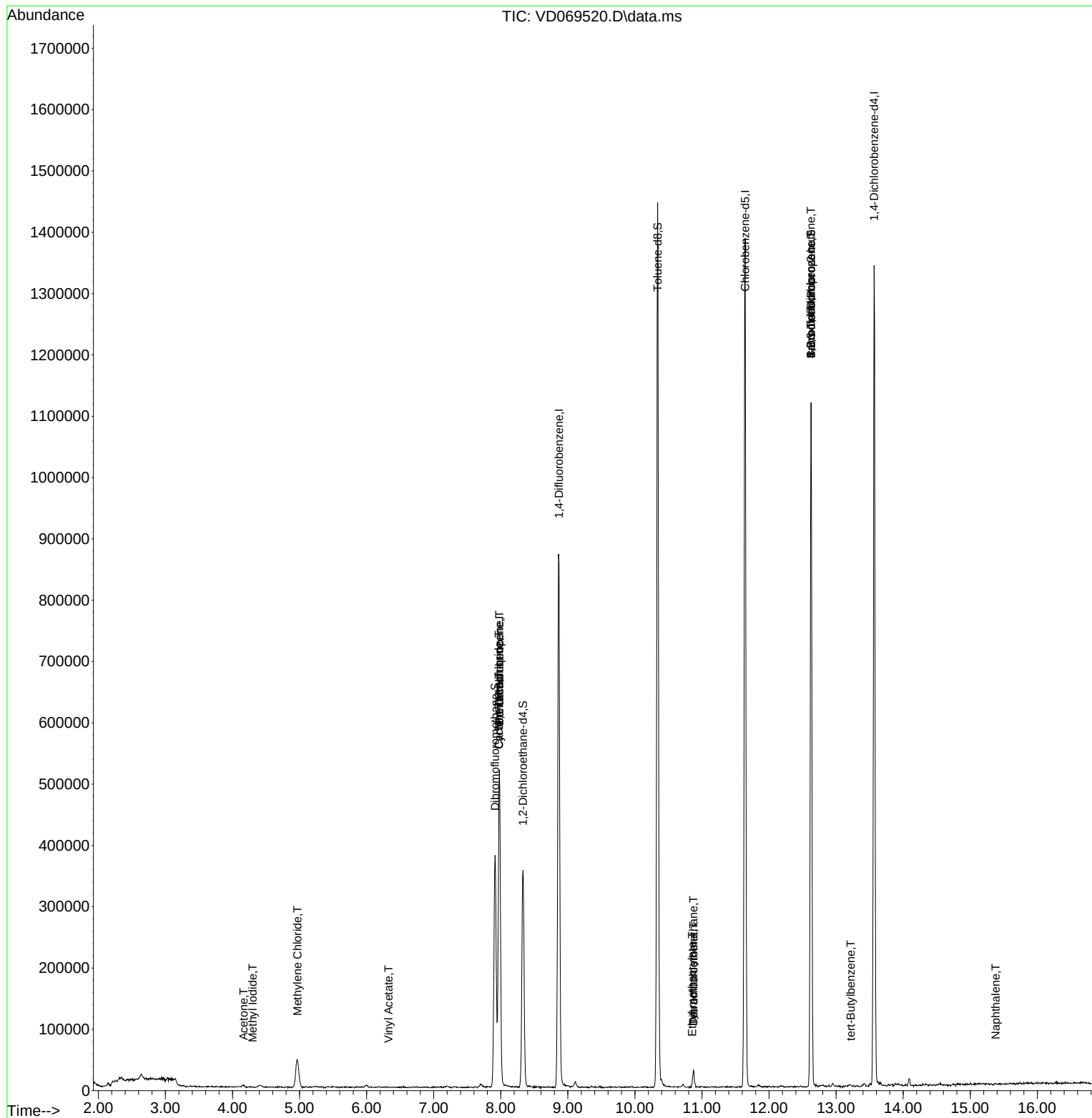
Internal Standards						
1) Pentafluorobenzene	7.979	168	365027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	733967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	795562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	346335	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	293427	64.489	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.980%	
35) Dibromofluoromethane	7.914	113	279941	56.423	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.840%	
50) Toluene-d8	10.338	98	980742	52.699	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.400%	
62) 4-Bromofluorobenzene	12.626	95	343483	56.141	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.280%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.791	94	1598	Below Cal	#	69
10) Methyl Iodide	4.303	142	323	4.018	ug/l #	39
11) Tert butyl alcohol	5.214	59	1107	Below Cal	#	83
16) Acetone	4.167	43	4705	6.144	ug/l #	84
18) Methyl Acetate	4.756	43	54	Below Cal	#	49
20) Methylene Chloride	4.967	84	38663	1.778	ug/l	90
23) Vinyl Acetate	6.326	43	56	19.019	ug/l #	70
31) Cyclohexane	7.973	56	10410	1.699	ug/l #	17
36) 1,1-Dichloropropene	7.979	75	33505	4.651	ug/l #	50
38) Carbon Tetrachloride	7.973	117	39506	5.541	ug/l #	16
56) Ethyl methacrylate	10.855	69	66	2.595	ug/l #	1
60) Dibromochloromethane	10.873	129	5503	1.184	ug/l #	10
64) Tetrachloroethene	10.873	164	6144	1.230	ug/l	89
71) Bromoform	12.626	173	3193	1.095	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	175343	51.576	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	175343	128.777	ug/l #	12
83) tert-Butylbenzene	13.220	119	606	2.025	ug/l	97
95) Naphthalene	15.379	128	120	3.365	ug/l #	69

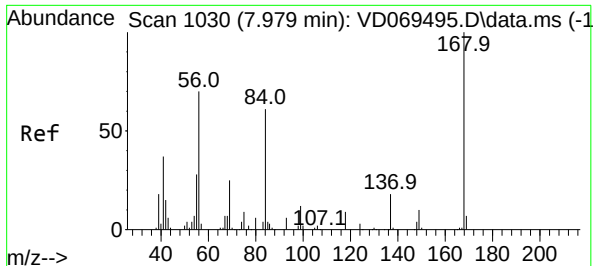
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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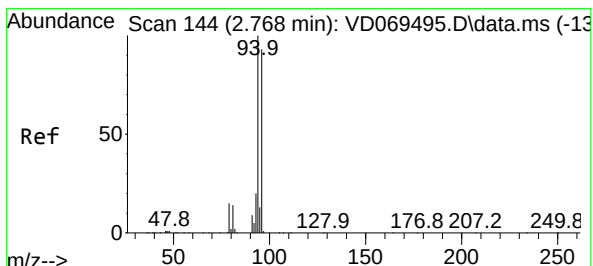
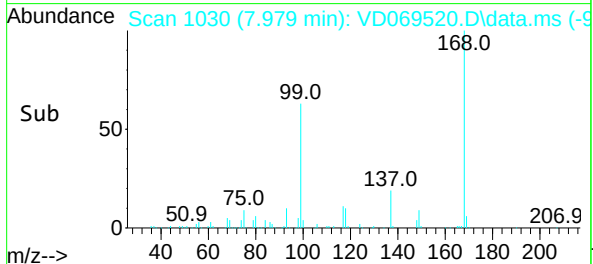
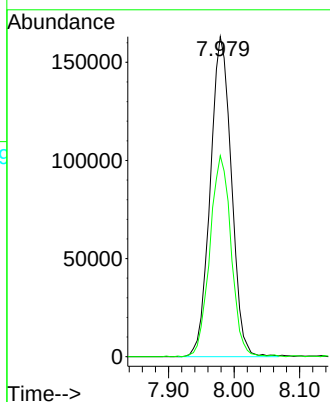
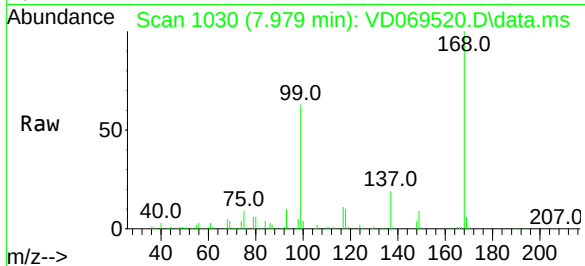




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

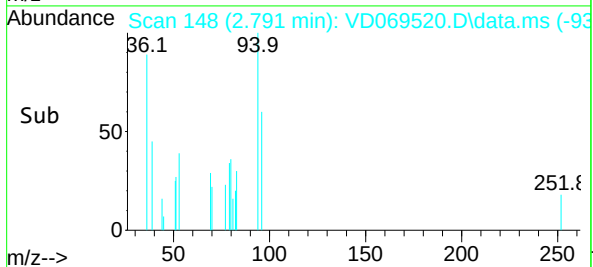
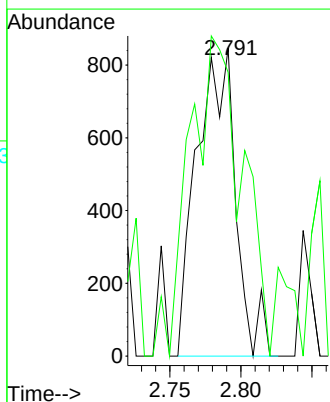
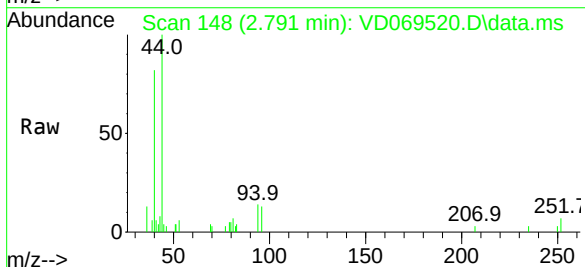
Instrument :
MSVOA_D
ClientSampleId :

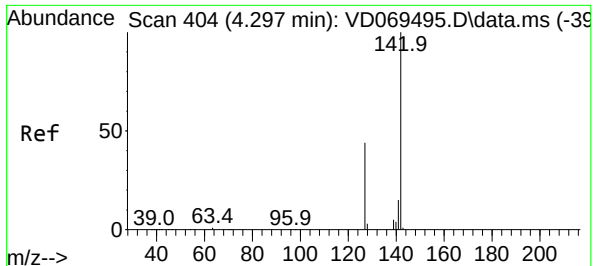
Tgt Ion:168 Resp: 365027
Ion Ratio Lower Upper
168 100
99 62.6 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

Tgt Ion: 94 Resp: 1598
Ion Ratio Lower Upper
94 100
96 63.3 74.6 111.8#





#10

Methyl Iodide

Concen: 4.018 ug/l

RT: 4.303 min Scan# 405

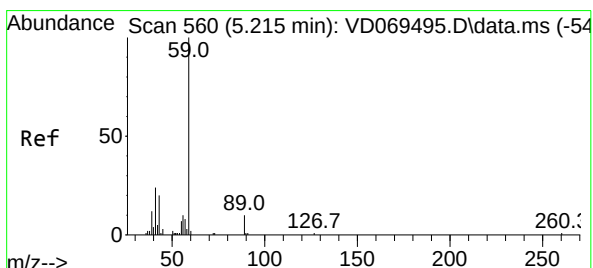
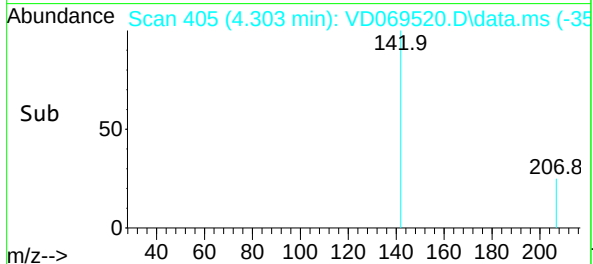
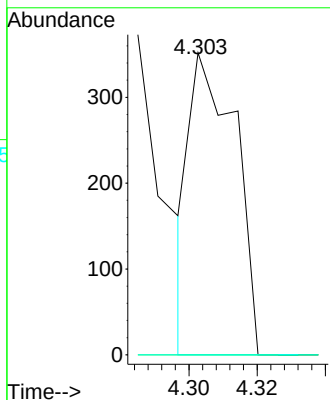
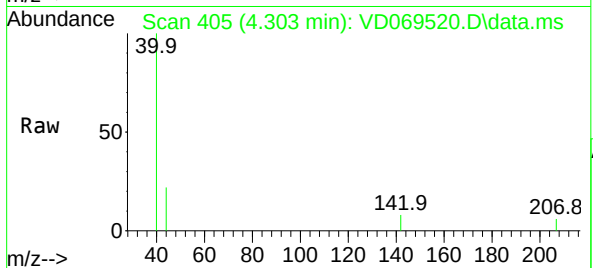
Delta R.T. 0.006 min

Lab File: VD069520.D

Acq: 22 Jun 2021 17:09

Tgt Ion:	142	Resp:	323
Ion	Ratio	Lower	Upper
142	100		
127	0.0	36.5	54.7#
141	0.0	12.0	18.0#

Instrument :
MSVOA_D
ClientSampled :



#11

Tert butyl alcohol

Concen: Below Cal

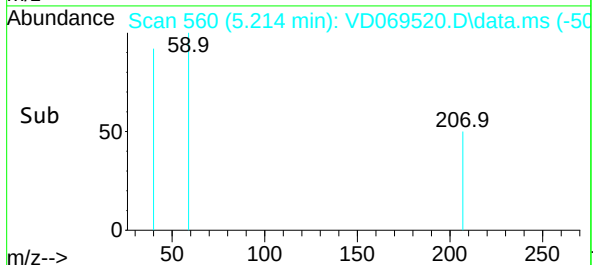
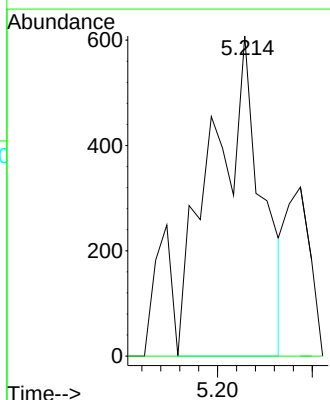
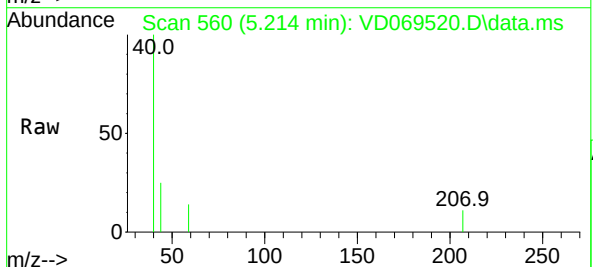
RT: 5.214 min Scan# 560

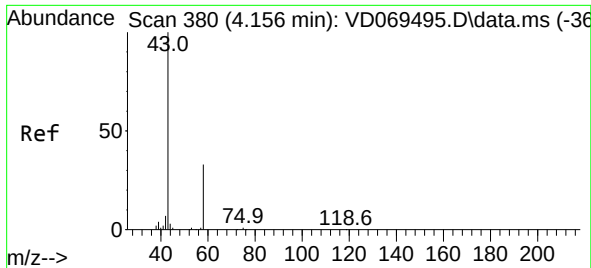
Delta R.T. -0.001 min

Lab File: VD069520.D

Acq: 22 Jun 2021 17:09

Tgt Ion:	59	Resp:	1107
Ion	Ratio	Lower	Upper
59	100		
57	0.0	4.6	7.0#

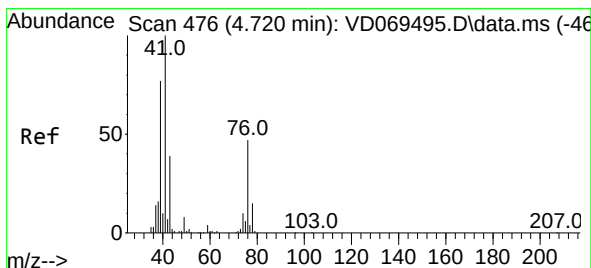
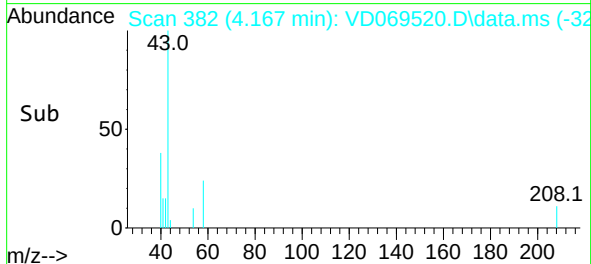
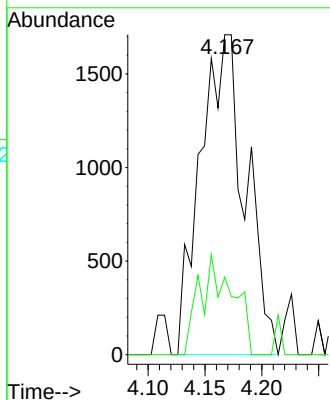
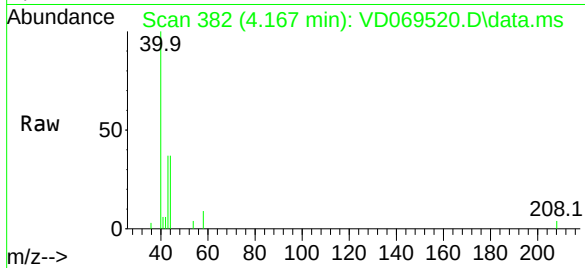




#16
Acetone
Concen: 6.144 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

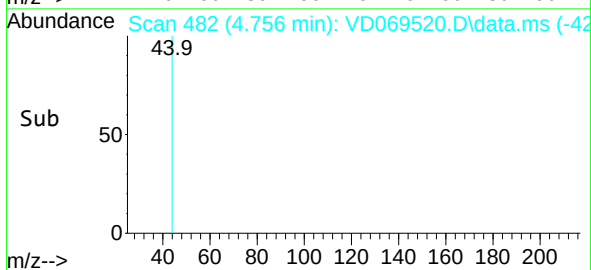
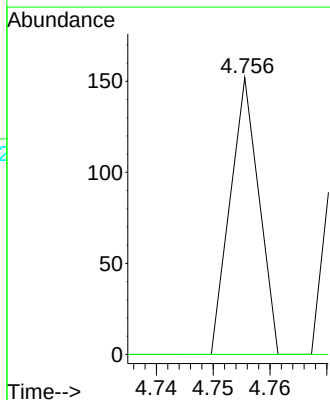
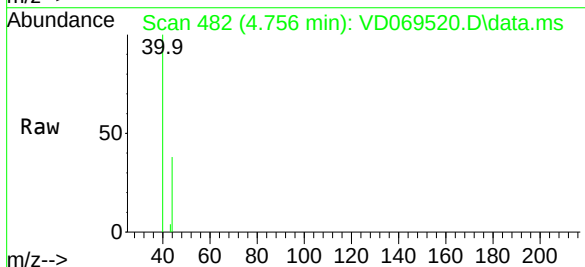
Instrument :
MSVOA_D
ClientSampleId :

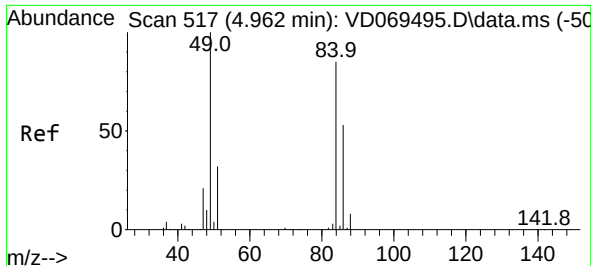
Tgt Ion: 43 Resp: 4705
Ion Ratio Lower Upper
43 100
58 24.2 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.756 min Scan# 482
Delta R.T. 0.036 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

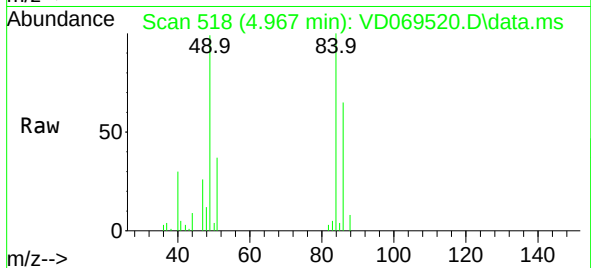
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#





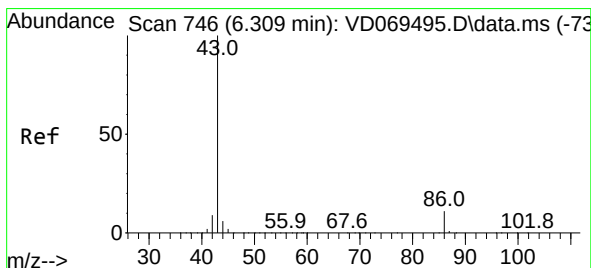
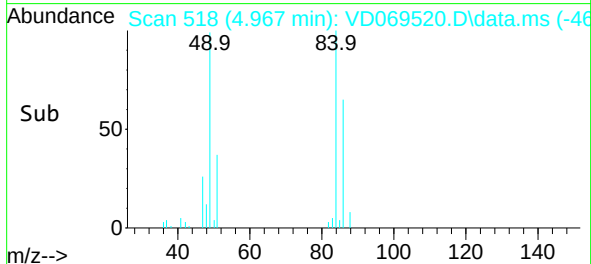
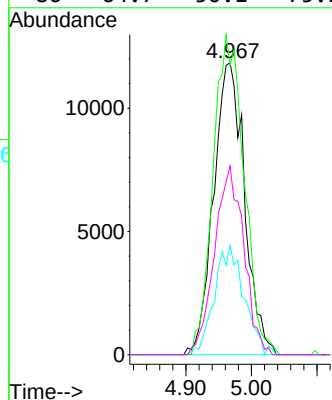
#20
Methylene Chloride
Concen: 1.778 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 38663

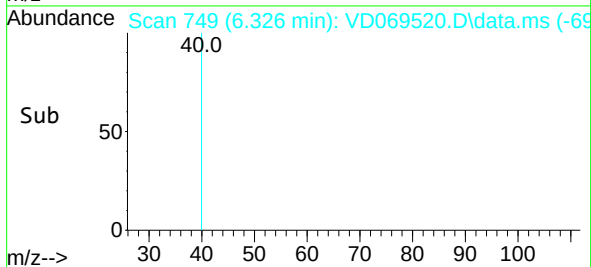
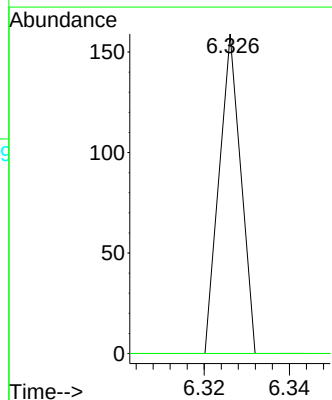
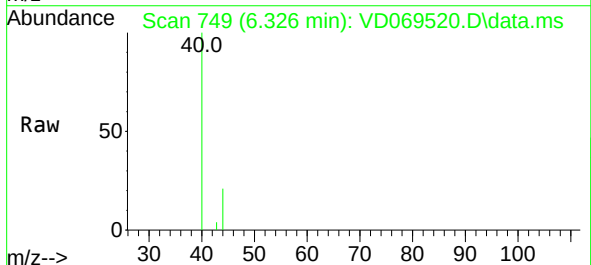
Ion	Ratio	Lower	Upper
84	100		
49	99.3	94.0	141.0
51	37.3	29.7	44.5
86	64.7	50.1	75.1

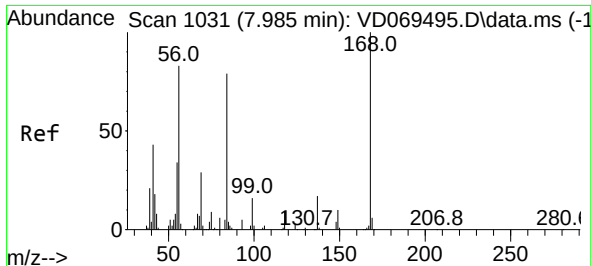


#23
Vinyl Acetate
Concen: 19.019 ug/l
RT: 6.326 min Scan# 749
Delta R.T. 0.017 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

Tgt Ion: 43 Resp: 56

Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

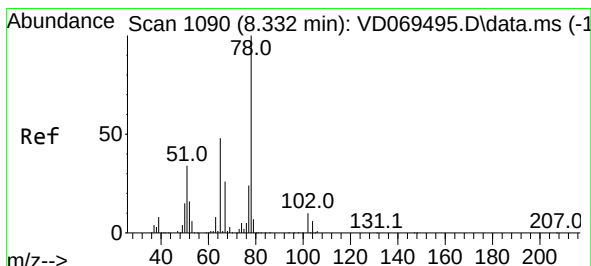
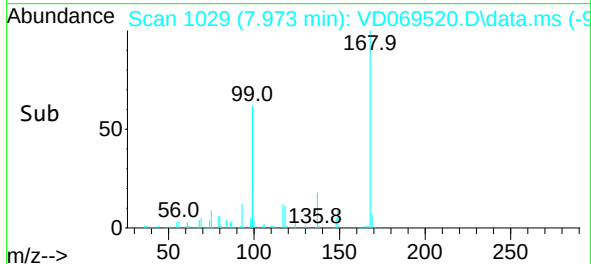
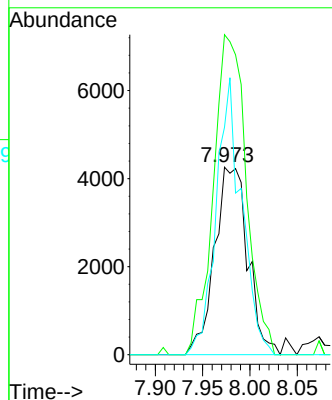
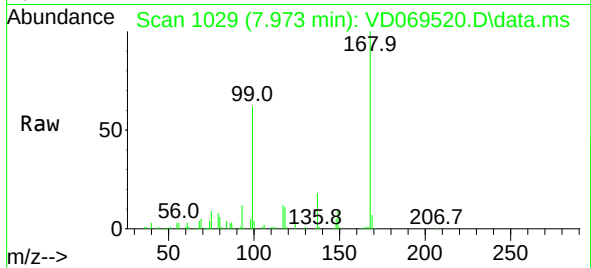




#31
Cyclohexane
Concen: 1.699 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

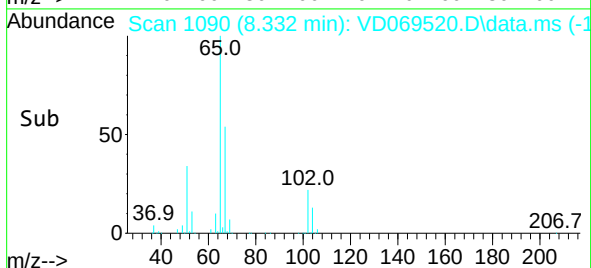
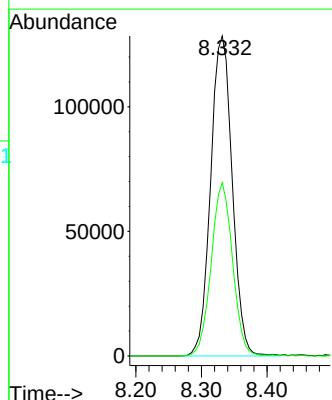
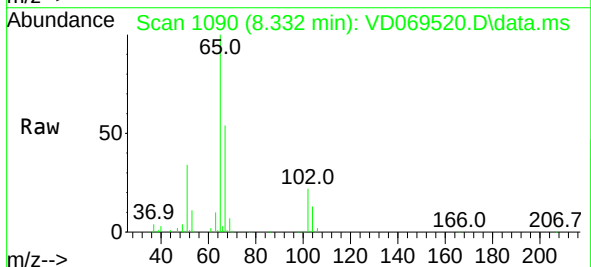
Instrument :
MSVOA_D
ClientSampleId :

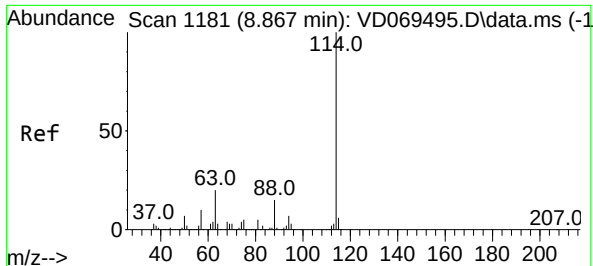
Tgt Ion: 56 Resp: 10410
Ion Ratio Lower Upper
56 100
69 170.7 28.0 42.0#
84 121.3 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 64.489 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

Tgt Ion: 65 Resp: 293427
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.6



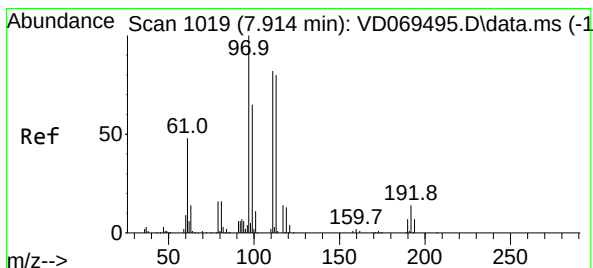
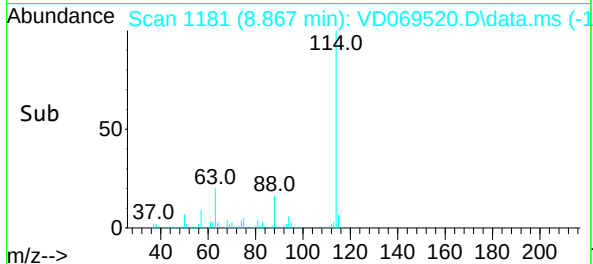
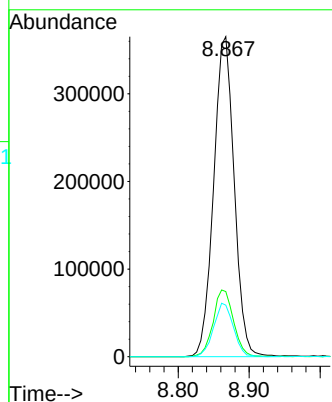
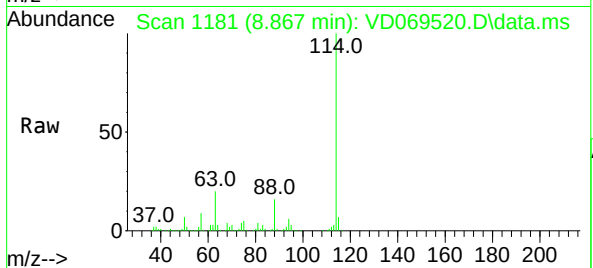


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

Instrument :
MSVOA_D
ClientSampleId :

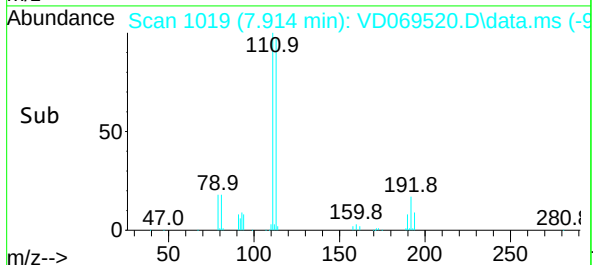
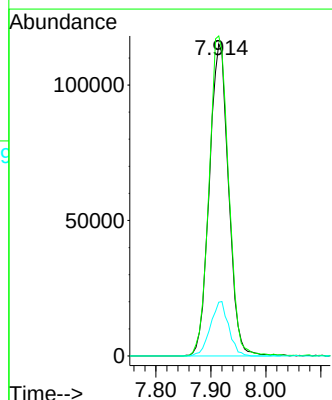
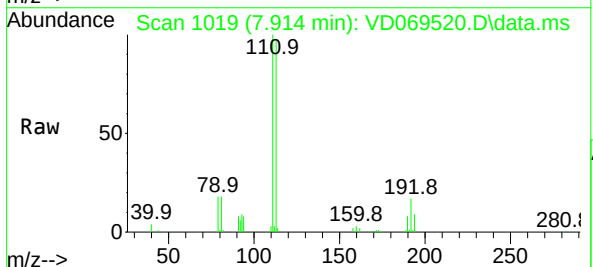
Tgt Ion:	114	Resp:	733967
Ion Ratio	Lower	Upper	
114	100		
63	20.4	0.0	39.6
88	16.1	0.0	29.8

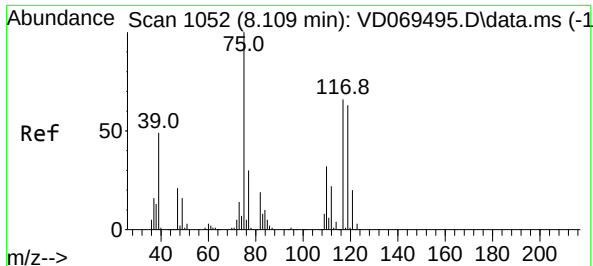


#35

Dibromofluoromethane
Concen: 56.423 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

Tgt Ion:	113	Resp:	279941
Ion Ratio	Lower	Upper	
113	100		
111	104.0	81.8	122.8
192	16.5	13.8	20.6

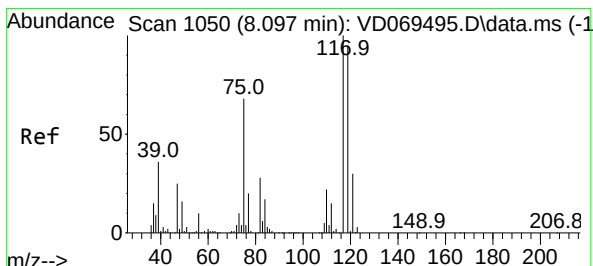
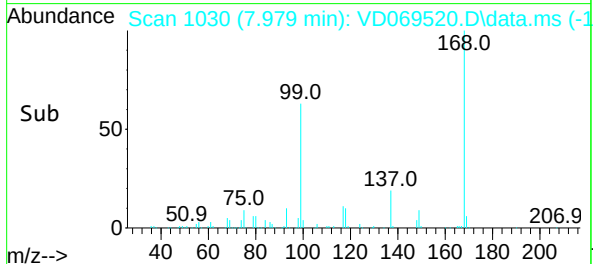
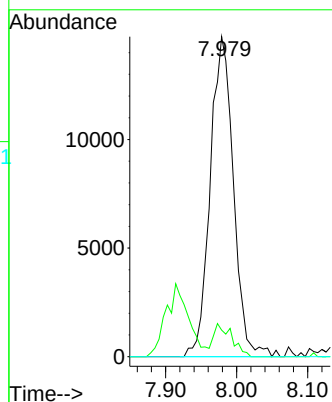
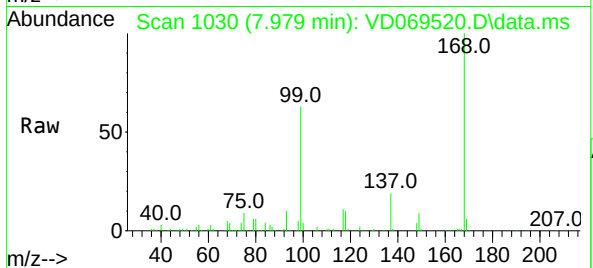




#36
1,1-Dichloropropene
Concen: 4.651 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

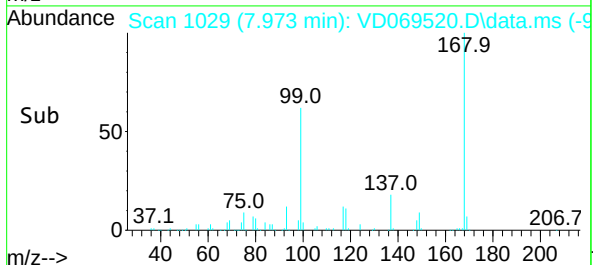
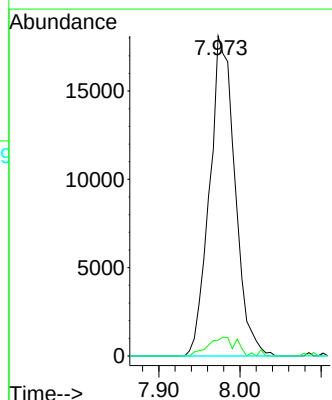
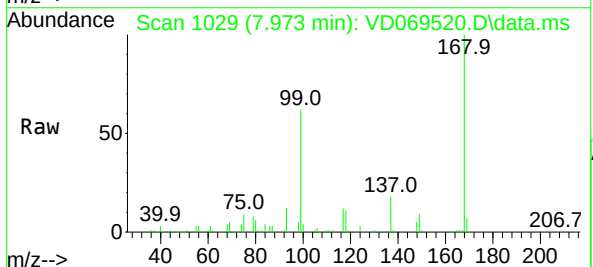
Instrument :
MSVOA_D
ClientSampleId :

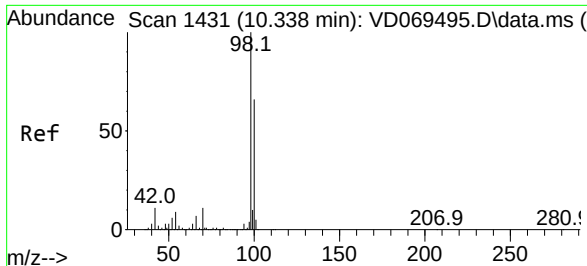
Tgt Ion: 75 Resp: 33505
Ion Ratio Lower Upper
75 100
110 8.0 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.541 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

Tgt Ion: 117 Resp: 39506
Ion Ratio Lower Upper
117 100
119 4.9 75.6 113.4#
121 0.0 23.8 35.8#

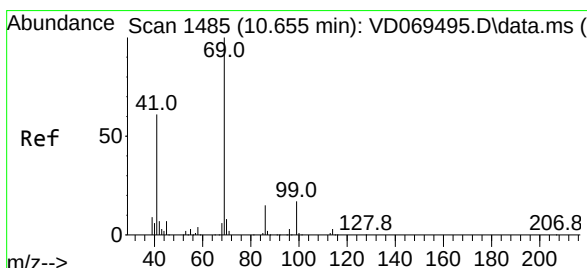
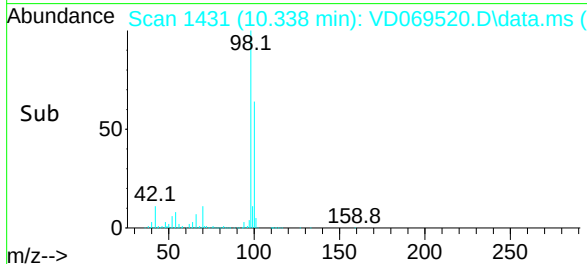
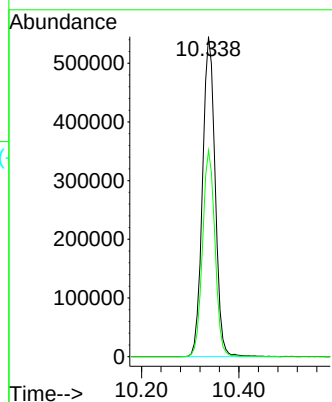
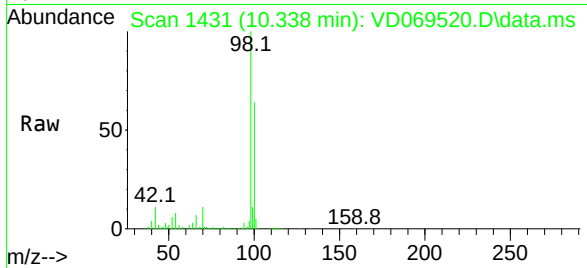




#50
Toluene-d8
Concen: 52.699 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

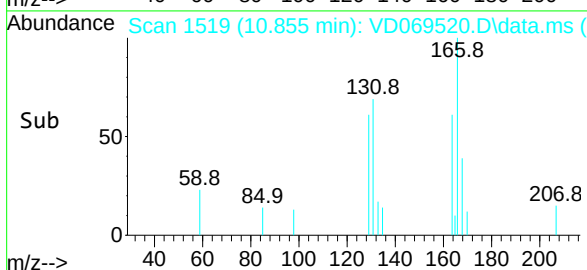
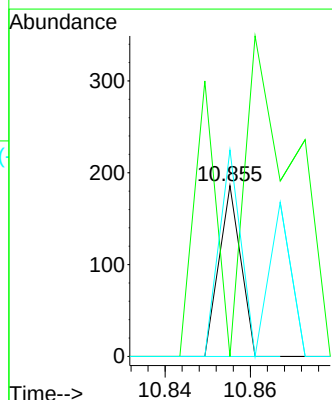
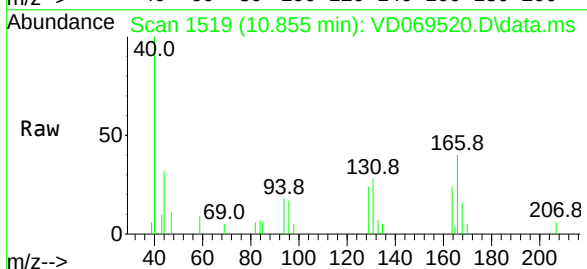
Instrument :
MSVOA_D
ClientSampled :

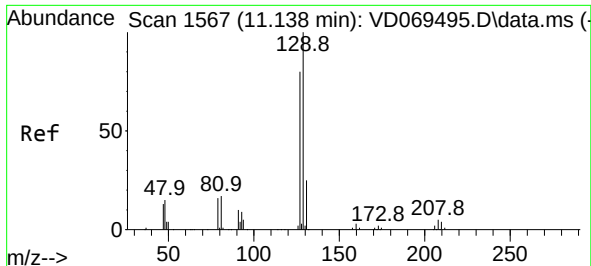
Tgt Ion: 98 Resp: 980742
Ion Ratio Lower Upper
98 100
100 63.6 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.595 ug/l
RT: 10.855 min Scan# 1519
Delta R.T. 0.200 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

Tgt Ion: 69 Resp: 66
Ion Ratio Lower Upper
69 100
41 575.8 49.4 74.0#
39 210.6 26.9 40.3#

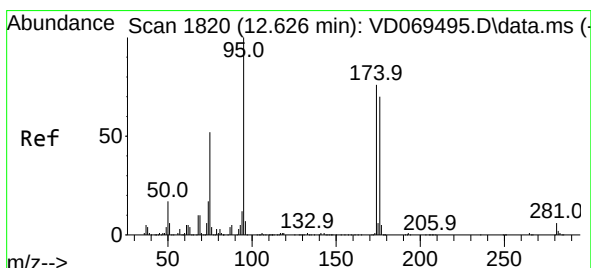
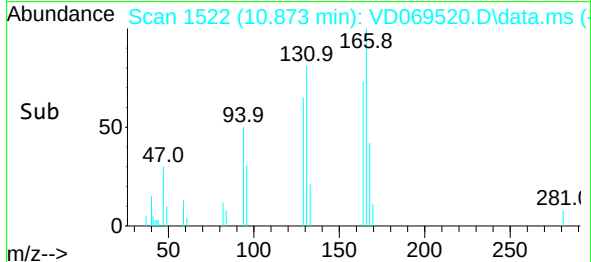
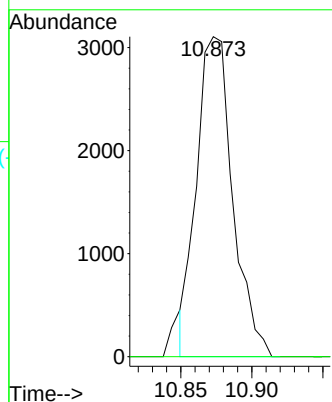
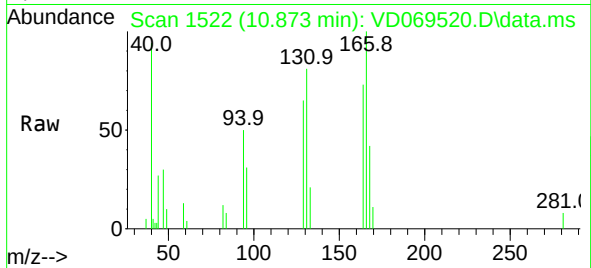




#60
Dibromochloromethane
Concen: 1.184 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.265 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

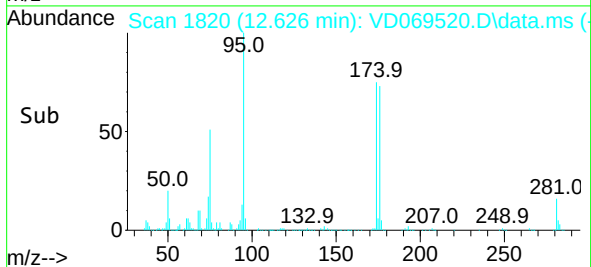
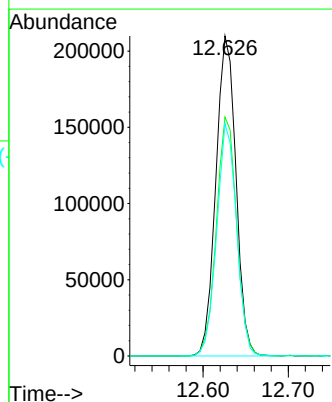
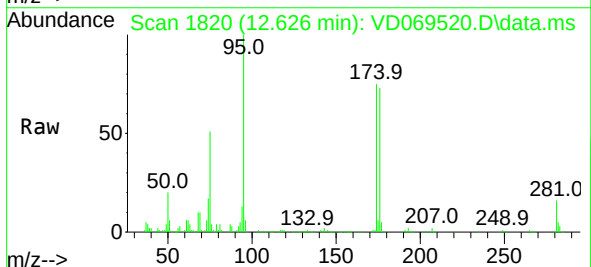
Instrument :
MSVOA_D
ClientSampleId :

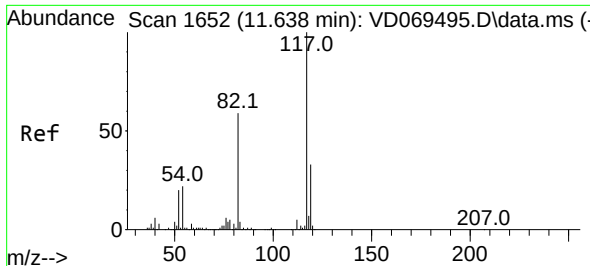
Tgt Ion:129 Resp: 5503
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 56.141 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

Tgt Ion: 95 Resp: 343483
Ion Ratio Lower Upper
95 100
174 75.2 0.0 148.0
176 71.6 0.0 139.8

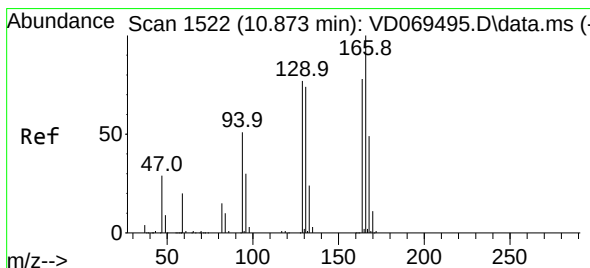
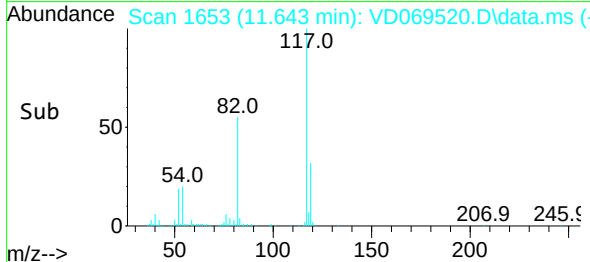
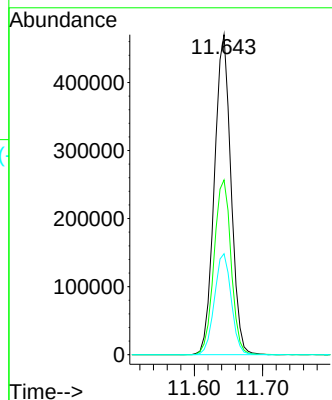
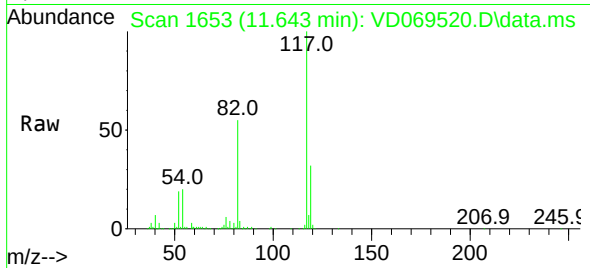




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

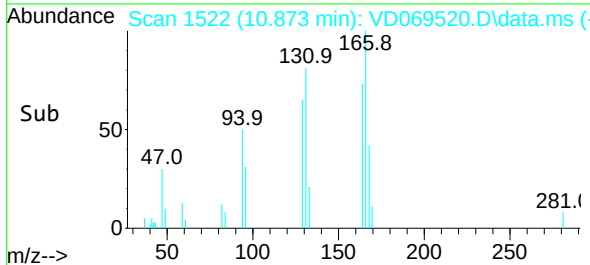
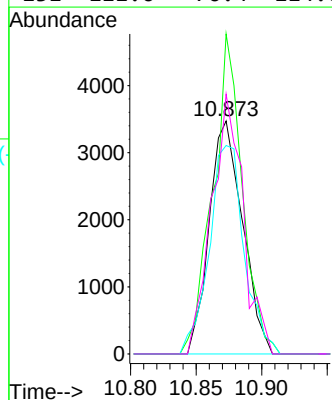
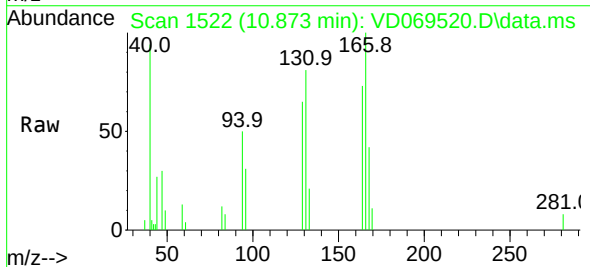
Instrument :
MSVOA_D
ClientSampled :

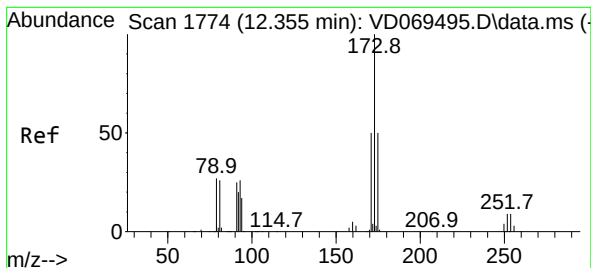
Tgt Ion:117 Resp: 795562
Ion Ratio Lower Upper
117 100
82 54.6 46.8 70.2
119 31.6 26.2 39.2



#64
Tetrachloroethene
Concen: 1.230 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

Tgt Ion:164 Resp: 6144
Ion Ratio Lower Upper
164 100
166 137.4 102.6 153.8
129 89.5 79.1 118.7
131 111.6 76.4 114.6

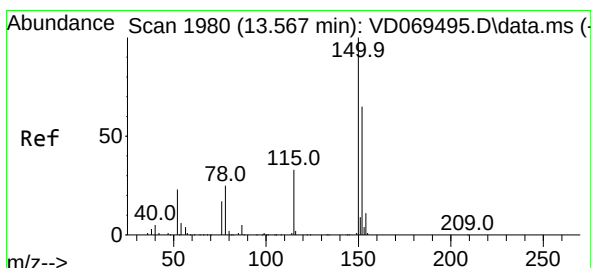
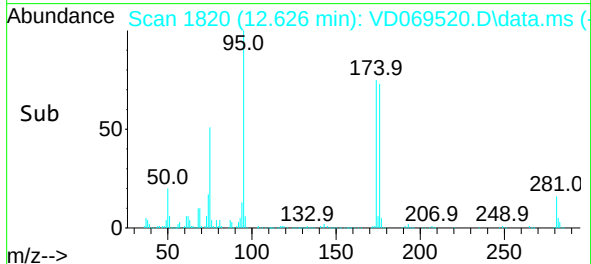
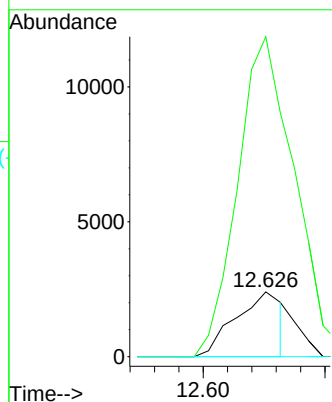
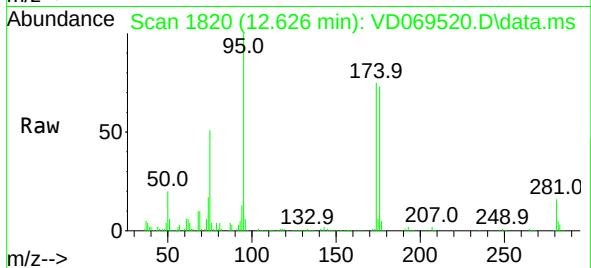




#71
Bromoform
Concen: 1.095 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

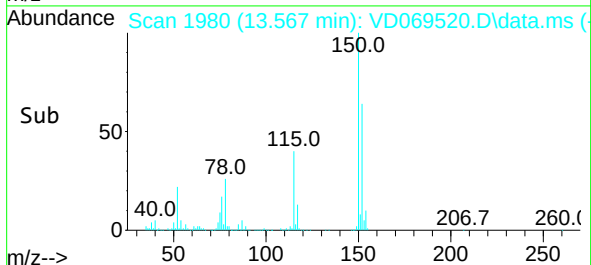
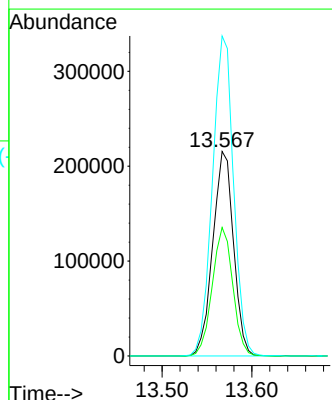
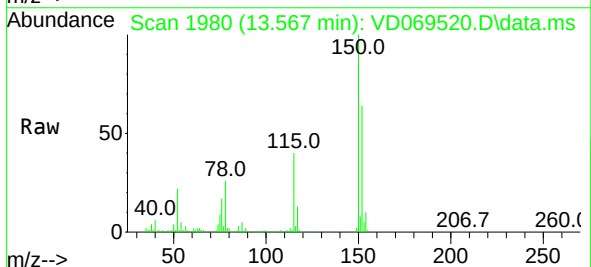
Instrument :
MSVOA_D
ClientSampleId :

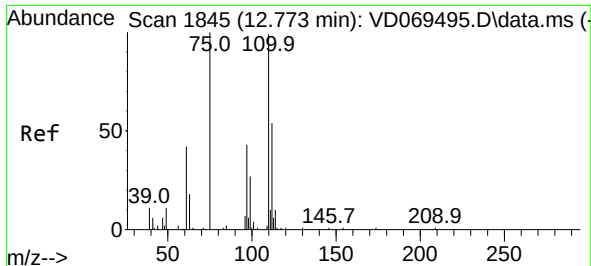
Tgt Ion:173 Resp: 3193
Ion Ratio Lower Upper
173 100
175 458.4 24.6 73.8#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

Tgt Ion:152 Resp: 346335
Ion Ratio Lower Upper
152 100
115 62.1 31.7 95.1
150 159.0 0.0 350.8

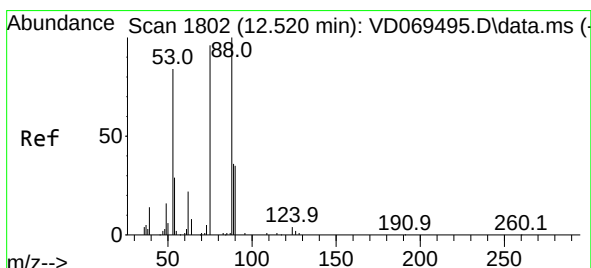
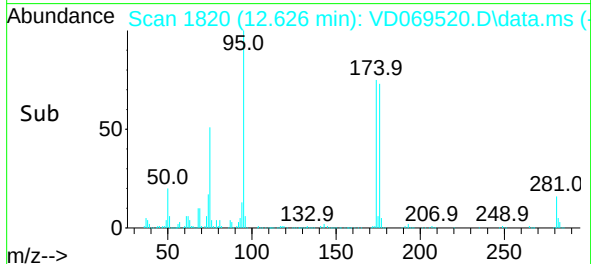
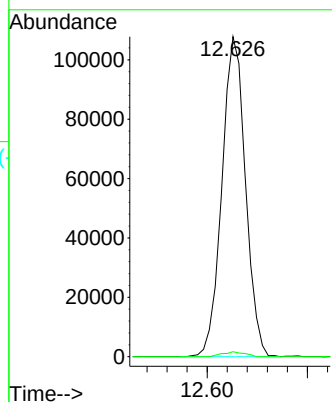
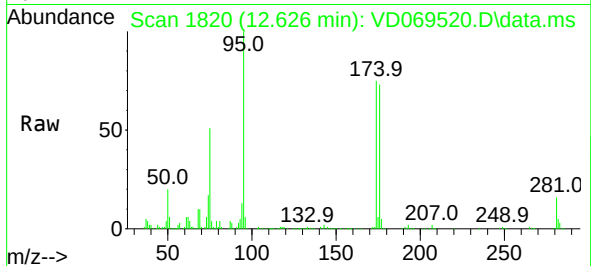




#76
1,2,3-Trichloropropane
Concen: 51.576 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

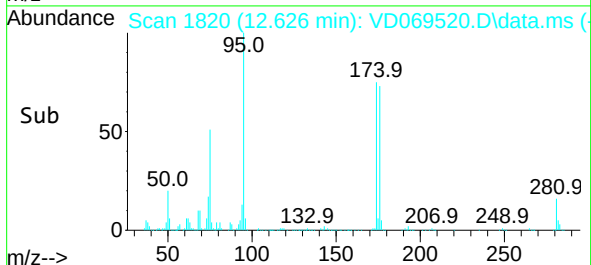
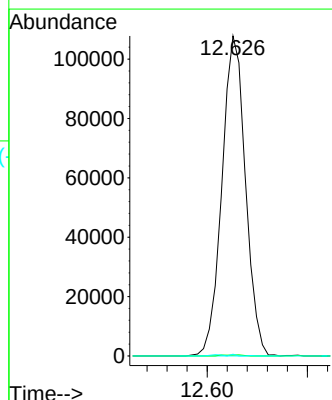
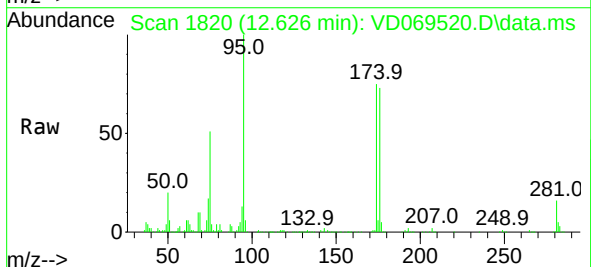
Instrument :
MSVOA_D
ClientSampled :

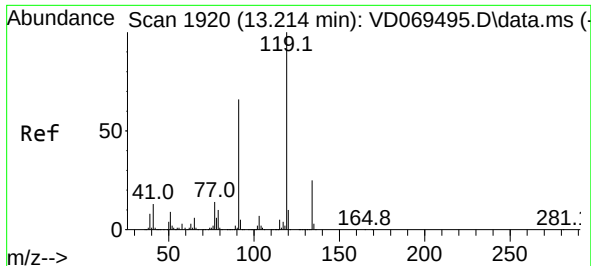
Tgt Ion: 75 Resp: 175343
Ion Ratio Lower Upper
75 100
77 1.5 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.777 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

Tgt Ion: 75 Resp: 175343
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.0 35.3 52.9#

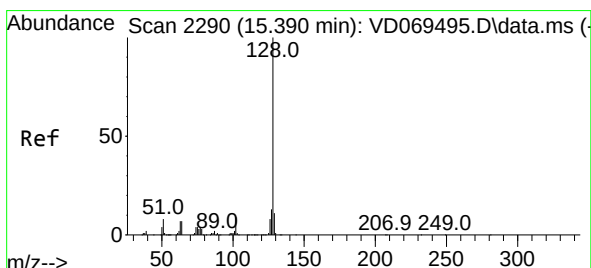
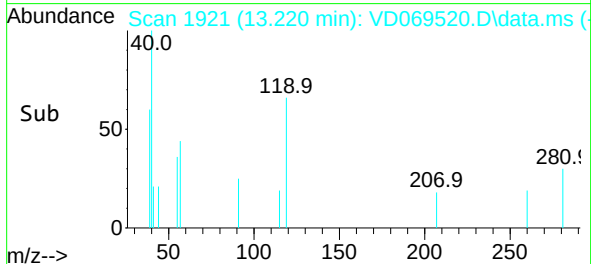
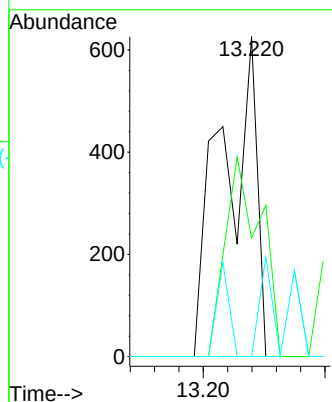
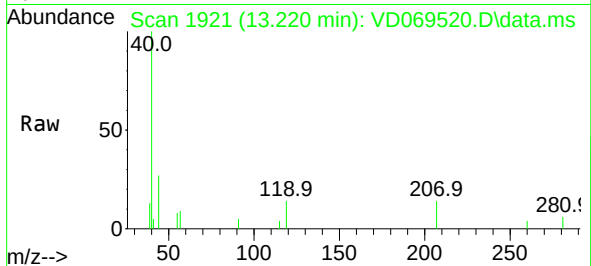




#83
tert-Butylbenzene
Concen: 2.025 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.006 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:119	Resp:	606
Ion Ratio	Lower	Upper
119	100	
91	65.0	32.5 97.4
134	21.1	12.9 38.7



#95
Naphthalene
Concen: 3.365 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.011 min
Lab File: VD069520.D
Acq: 22 Jun 2021 17:09

Tgt Ion:128	Resp:	120
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.6 16.0#
129	0.0	8.7 13.1#

