

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051921\
 Data File : VD069203.D
 Acq On : 19 May 2021 18:22
 Operator : VA/SY
 Sample : M2420-02
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 20 01:03:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

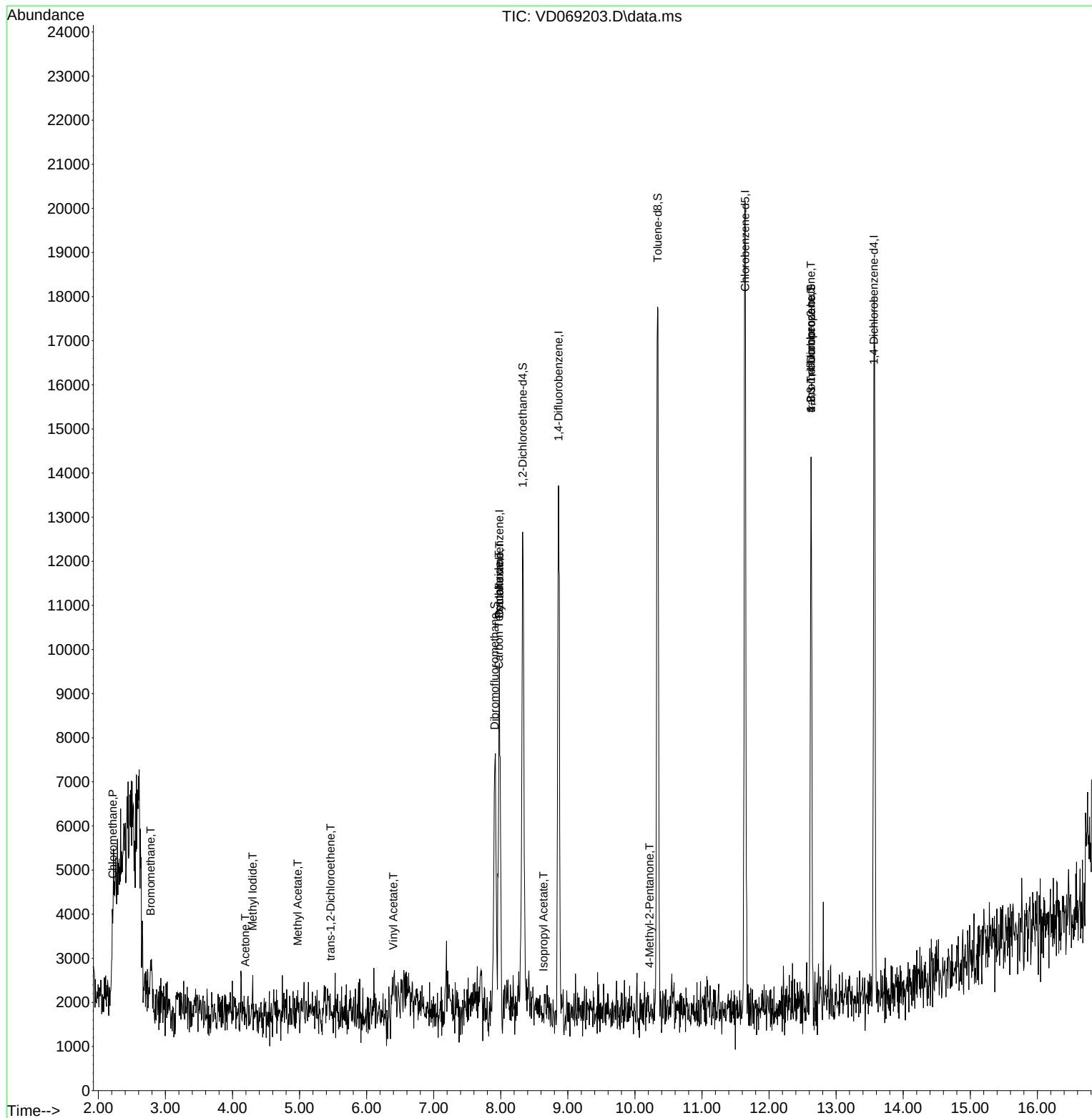
Internal Standards						
1) Pentafluorobenzene	7.979	168	7104	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	11618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	11639	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	4399	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	7967	111.87	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 223.74%#	
35) Dibromofluoromethane	7.908	113	4662	61.66	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 123.32%	
50) Toluene-d8	10.338	98	13046	46.96	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.92%	
62) 4-Bromofluorobenzene	12.626	95	4133	46.24	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.48%	
Target Compounds						
						Qvalue
3) Chloromethane	2.215	50	230	2.65	ug/l	# 38
5) Bromomethane	2.779	94	767	8.91	ug/l	# 64
10) Methyl Iodide	4.303	142	251	3.92	ug/l	# 89
16) Acetone	4.191	43	177	16.23	ug/l	# 41
18) Methyl Acetate	4.973	43	87	3.28	ug/l	# 45
20) Methylene Chloride	4.973	84	67	Below	Cal	# 14
21) trans-1,2-Dichloroethene	5.461	96	102	1.21	ug/l	# 1
23) Vinyl Acetate	6.397	43	183	1.99	ug/l	# 66
31) Cyclohexane	7.979	56	139	1.32	ug/l	# 68
38) Carbon Tetrachloride	7.973	117	409	3.24	ug/l	# 12
43) Isopropyl Acetate	8.638	43	89	1.35	ug/l	# 46
51) 4-Methyl-2-Pentanone	10.220	43	135	3.98	ug/l	# 32
76) 1,2,3-Trichloropropane	12.626	75	2465	74.54	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	2465	150.57	ug/l	# 14

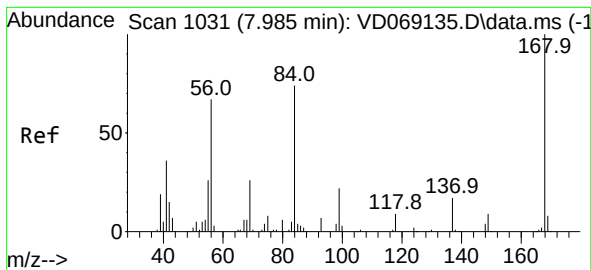
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 20 01:03:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
Quant Title : SW846 8260
QLast Update : Thu May 13 04:01:29 2021
Response via : Initial Calibration

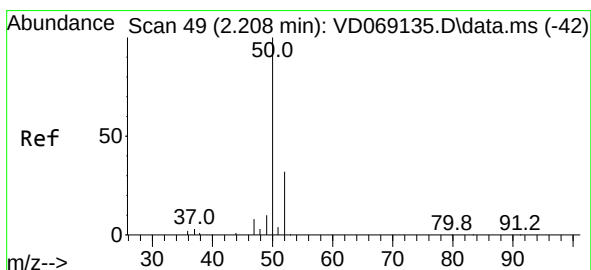
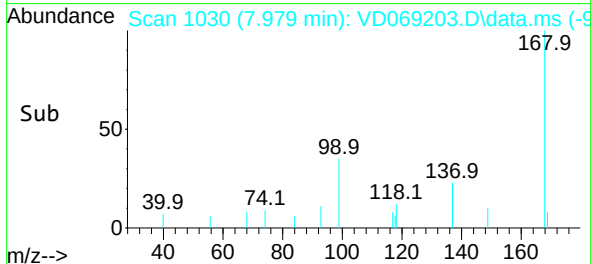
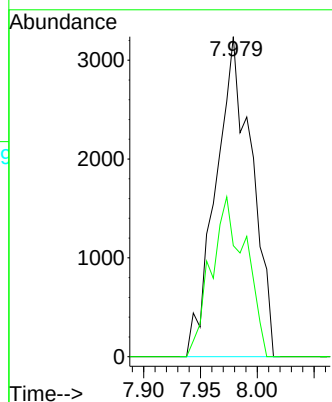
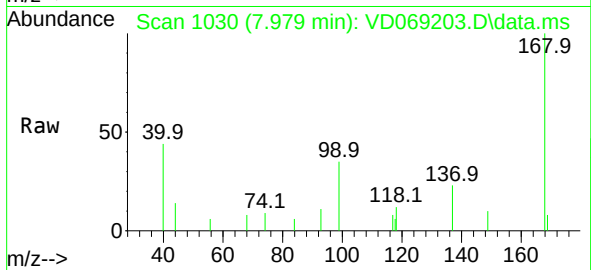




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

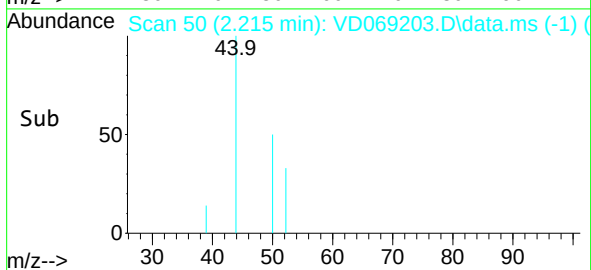
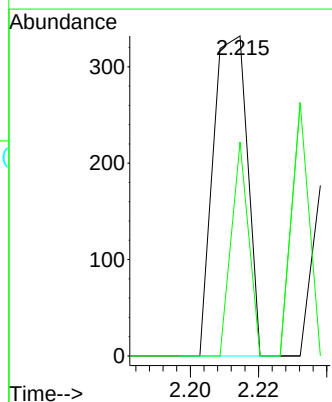
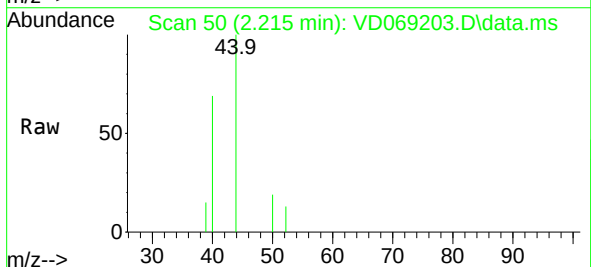
Instrument :
MSVOA_D
ClientSampled :

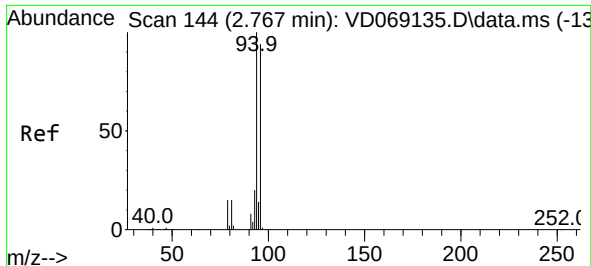
Tgt Ion:168 Resp: 7104
Ion Ratio Lower Upper
168 100
99 34.7 47.2 70.8#



#3
Chloromethane
Concen: 2.65 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

Tgt Ion: 50 Resp: 230
Ion Ratio Lower Upper
50 100
52 66.9 25.8 38.8#

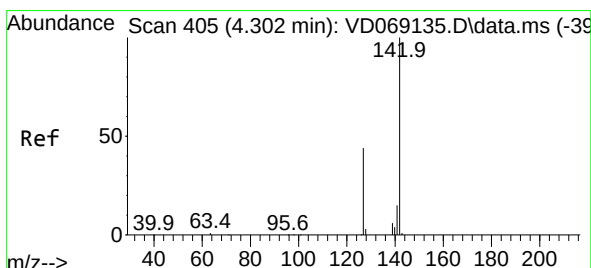
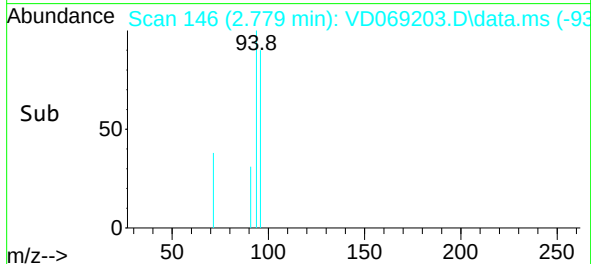
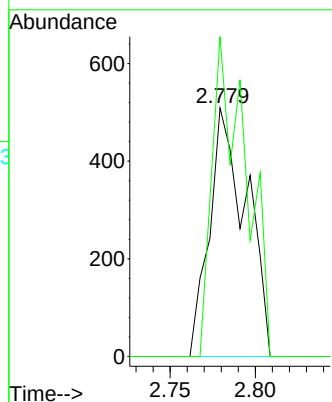
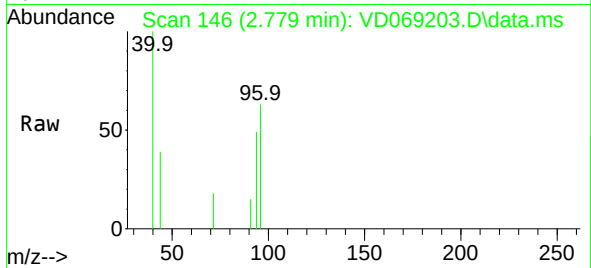




#5
Bromomethane
Concen: 8.91 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

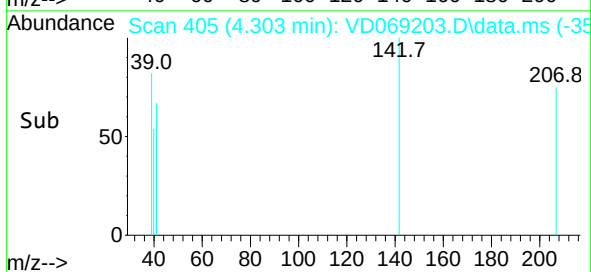
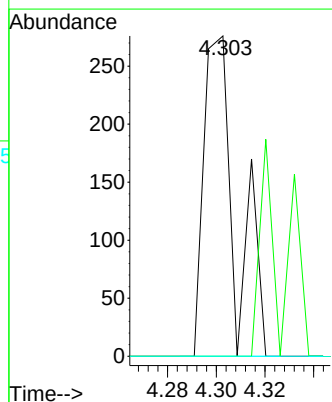
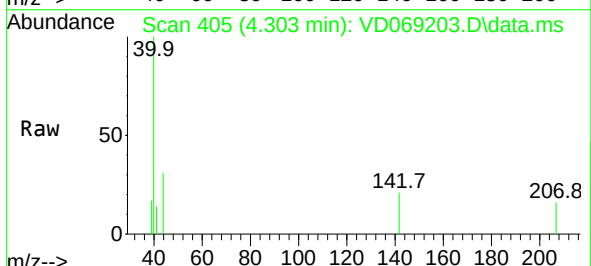
Instrument :
MSVOA_D
ClientSampled :

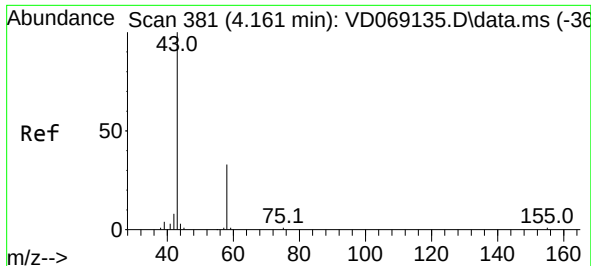
Tgt Ion: 94 Resp: 767
Ion Ratio Lower Upper
94 100
96 128.7 75.4 113.0#



#10
Methyl Iodide
Concen: 3.92 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.001 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

Tgt Ion: 142 Resp: 251
Ion Ratio Lower Upper
142 100
127 48.2 37.3 55.9
141 0.0 12.2 18.4#

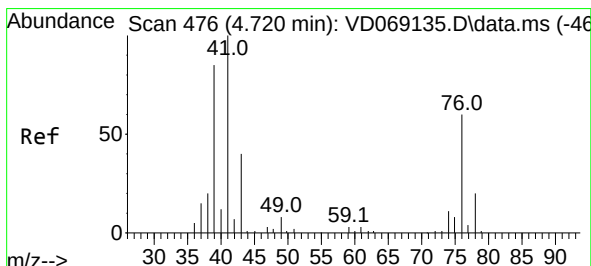
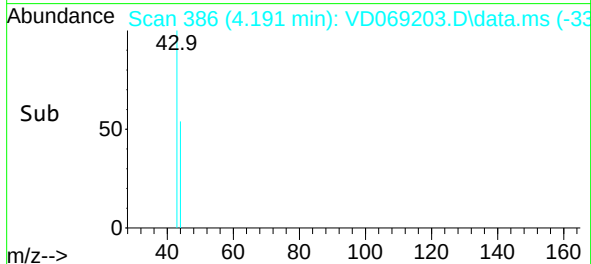
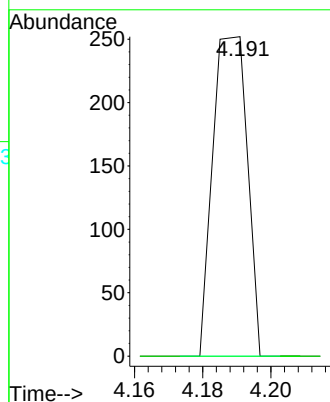
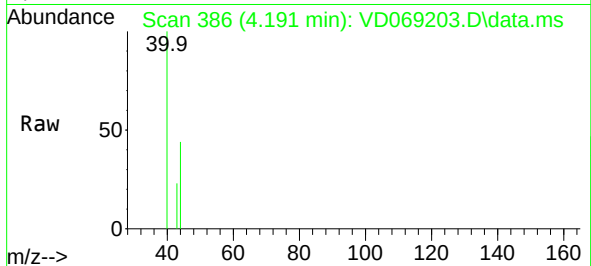




#16
Acetone
Concen: 16.23 ug/l
RT: 4.191 min Scan# 386
Delta R.T. 0.030 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

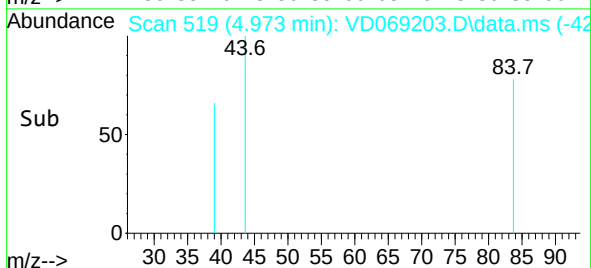
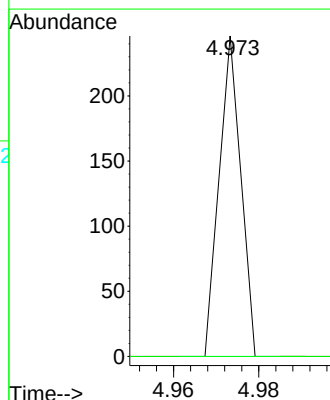
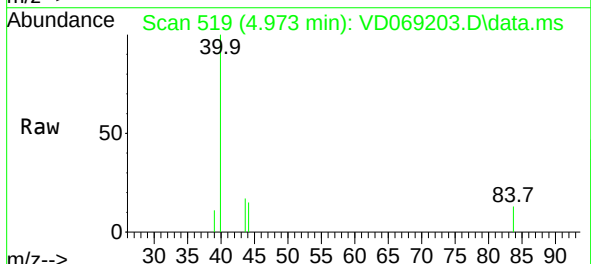
Instrument :
MSVOA_D
ClientSampled :

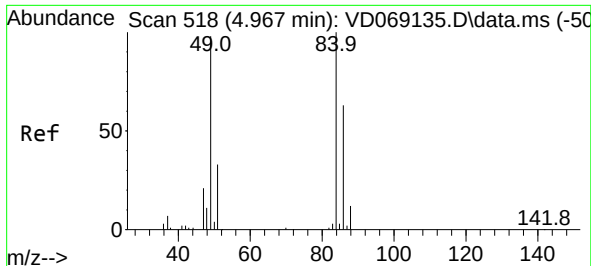
Tgt Ion: 43 Resp: 177
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



#18
Methyl Acetate
Concen: 3.28 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.253 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

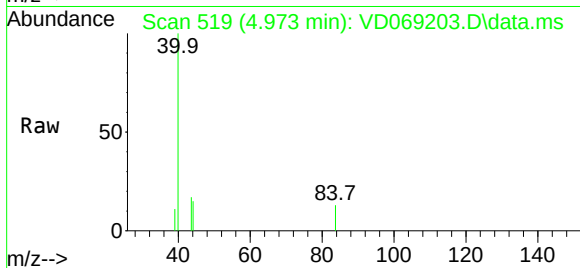
Tgt Ion: 43 Resp: 87
Ion Ratio Lower Upper
43 100
74 0.0 23.8 35.6#



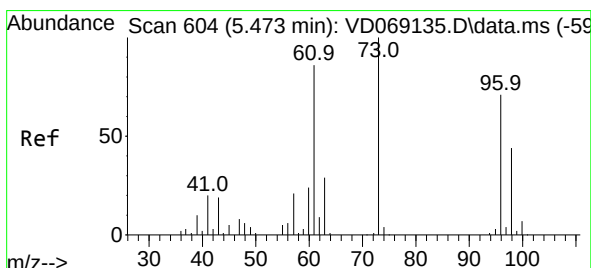
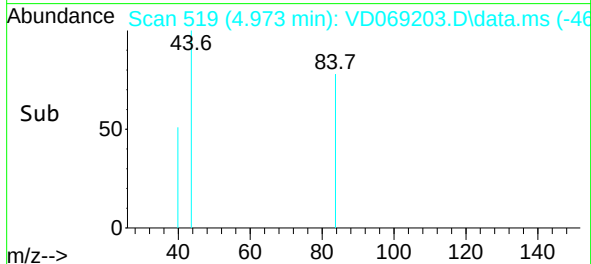
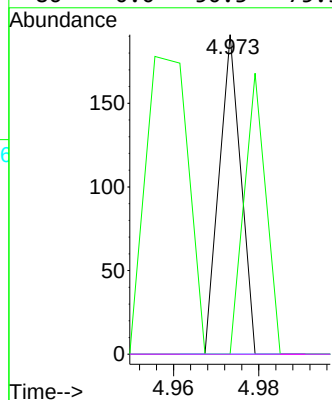


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

Instrument :
MSVOA_D
ClientSampled :

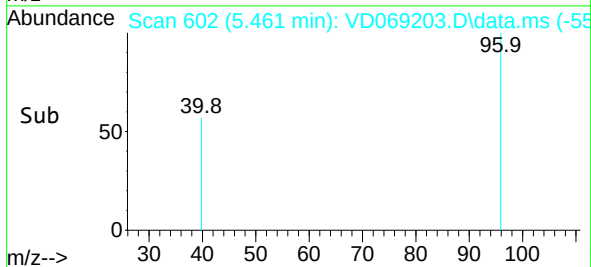
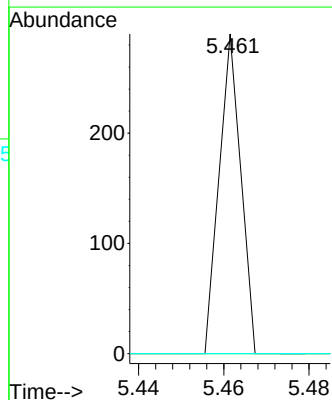
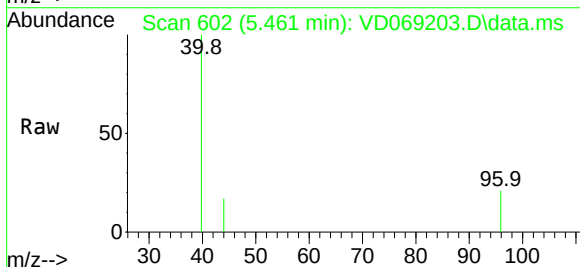


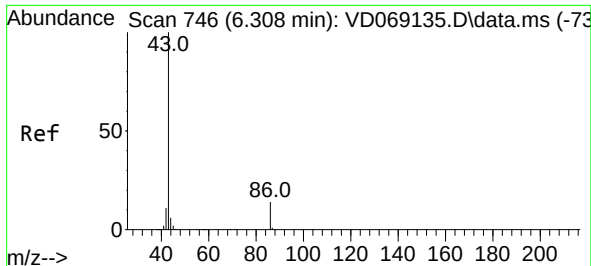
Tgt Ion: 84 Resp: 67
Ion Ratio Lower Upper
84 100
49 0.0 78.6 117.8#
51 0.0 26.7 40.1#
86 0.0 50.3 75.5#



#21
trans-1,2-Dichloroethene
Concen: 1.21 ug/l
RT: 5.461 min Scan# 602
Delta R.T. -0.011 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

Tgt Ion: 96 Resp: 102
Ion Ratio Lower Upper
96 100
61 0.0 97.7 146.5#
98 0.0 49.4 74.2#

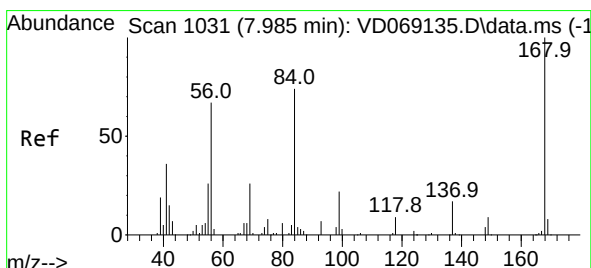
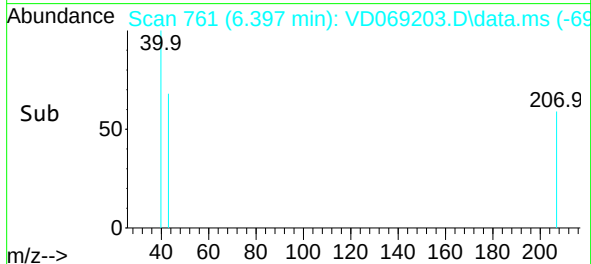
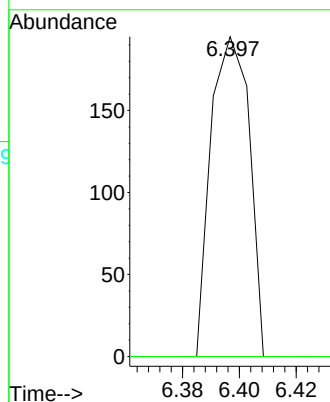
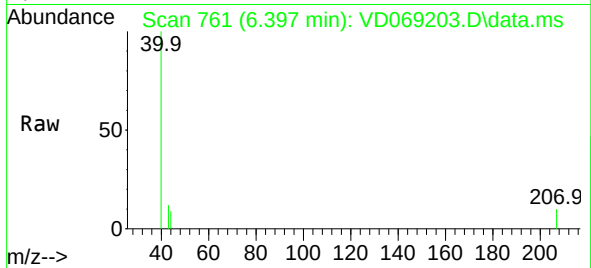




#23
 Vinyl Acetate
 Concen: 1.99 ug/l
 RT: 6.397 min Scan# 761
 Delta R.T. 0.089 min
 Lab File: VD069203.D
 Acq: 19 May 2021 18:22

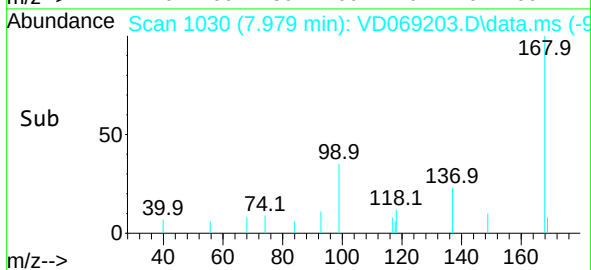
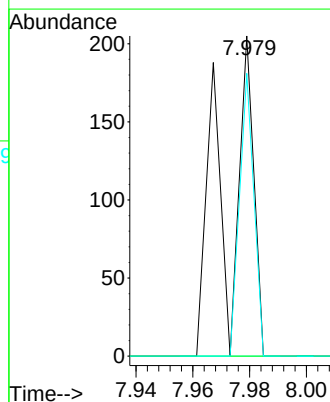
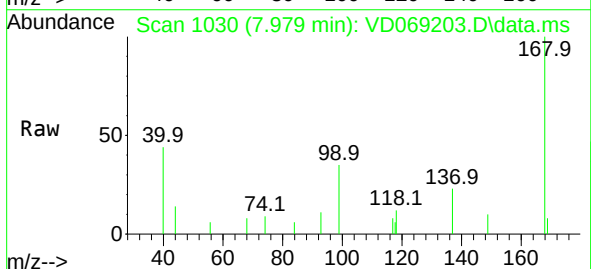
Instrument :
 MSVOA_D
 ClientSampled :

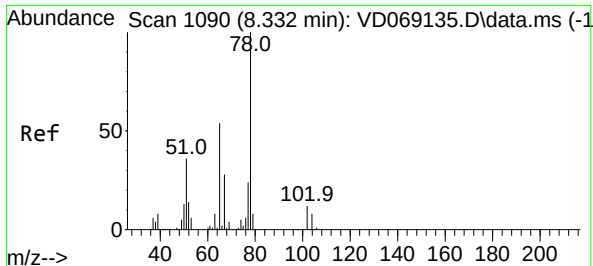
Tgt Ion: 43 Resp: 183
 Ion Ratio Lower Upper
 43 100
 86 0.0 11.1 16.7#



#31
 Cyclohexane
 Concen: 1.32 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD069203.D
 Acq: 19 May 2021 18:22

Tgt Ion: 56 Resp: 139
 Ion Ratio Lower Upper
 56 100
 69 0.0 30.6 46.0#
 84 88.3 88.0 132.0

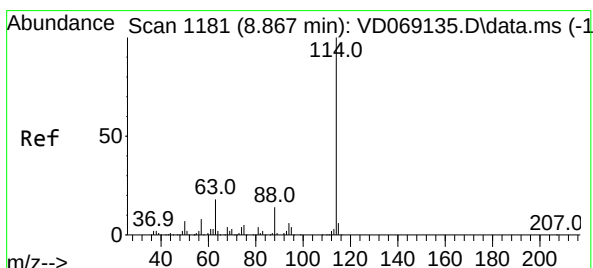
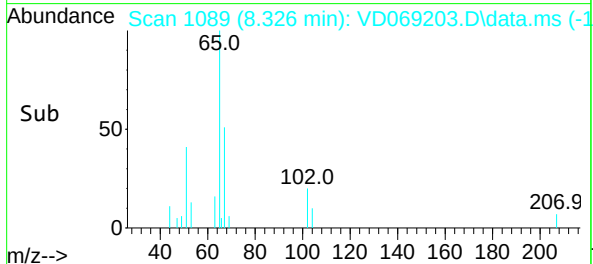
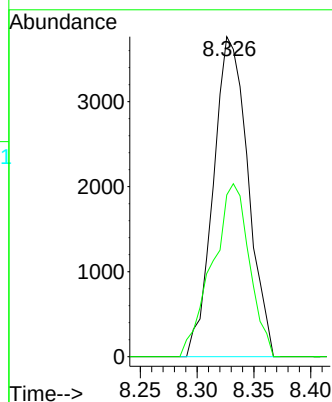
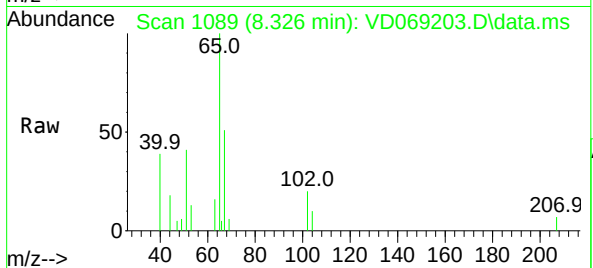




#33
1,2-Dichloroethane-d4
Concen: 111.87 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

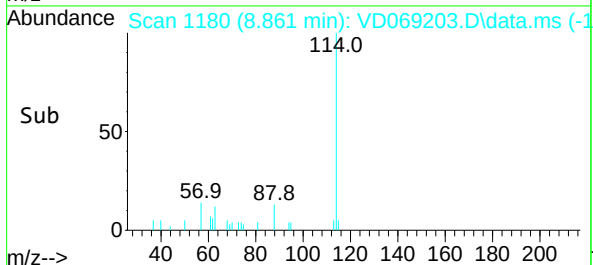
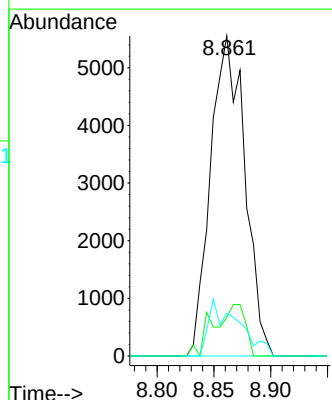
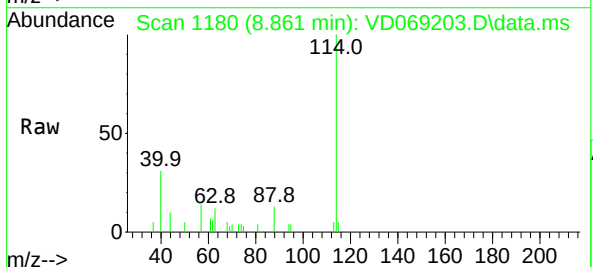
Instrument :
MSVOA_D
ClientSampled :

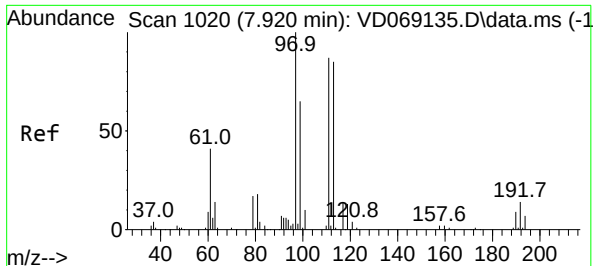
Tgt Ion: 65 Resp: 7967
Ion Ratio Lower Upper
65 100
67 58.0 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

Tgt Ion: 114 Resp: 11618
Ion Ratio Lower Upper
114 100
63 12.0 0.0 36.4
88 13.3 0.0 28.2





#35

Dibromofluoromethane

Concen: 61.66 ug/l

RT: 7.908 min Scan# 1018

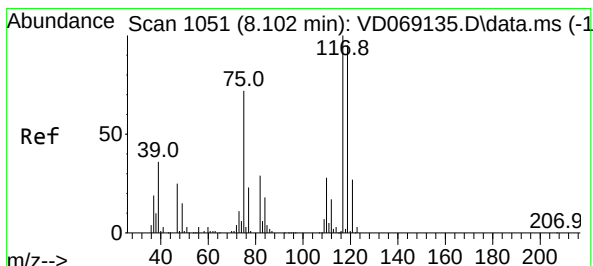
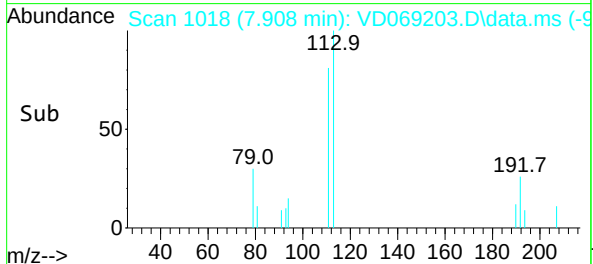
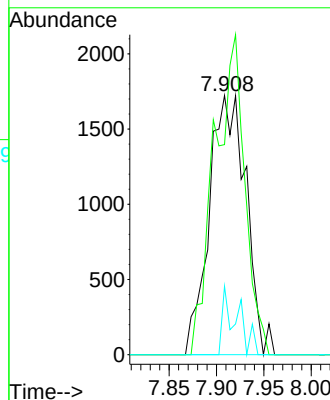
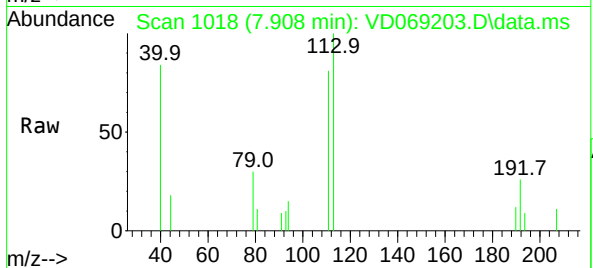
Delta R.T. -0.011 min

Lab File: VD069203.D

Acq: 19 May 2021 18:22

Tgt Ion:	113	Resp:	4662
Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.6	120.8
192	6.2	14.8	22.2#

Instrument :
MSVOA_D
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 3.24 ug/l

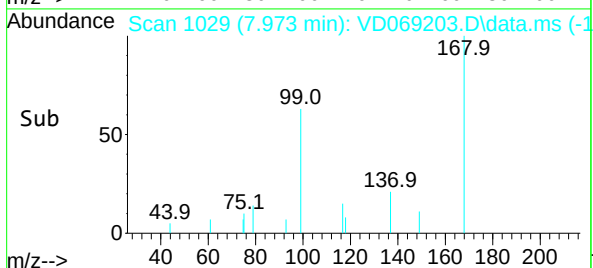
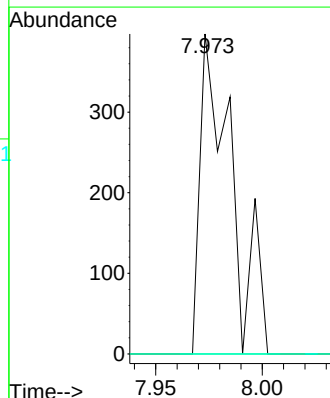
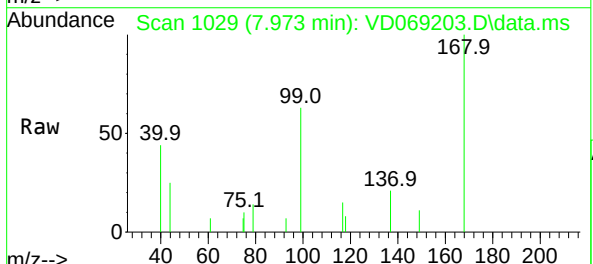
RT: 7.973 min Scan# 1029

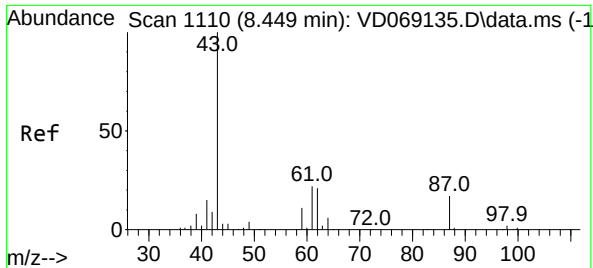
Delta R.T. -0.129 min

Lab File: VD069203.D

Acq: 19 May 2021 18:22

Tgt Ion:	117	Resp:	409
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.2	114.2#
121	0.0	21.9	32.9#

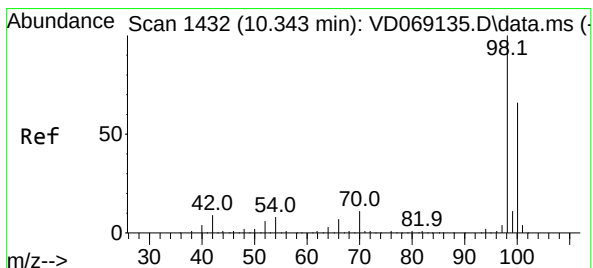
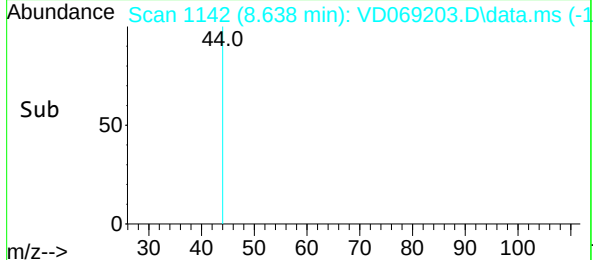
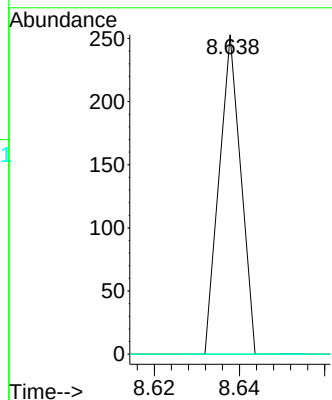
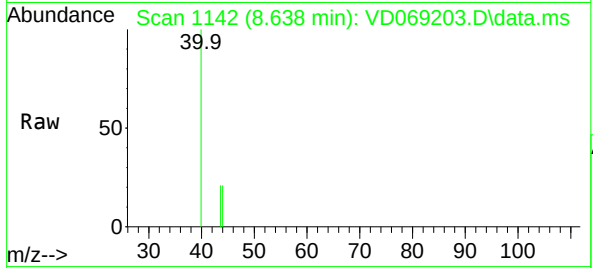




#43
Isopropyl Acetate
Concen: 1.35 ug/l
RT: 8.638 min Scan# 1142
Delta R.T. 0.189 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

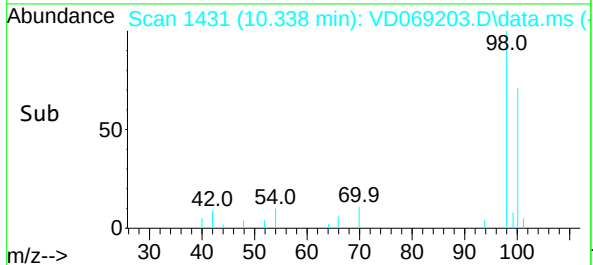
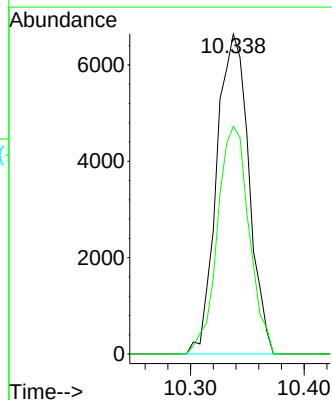
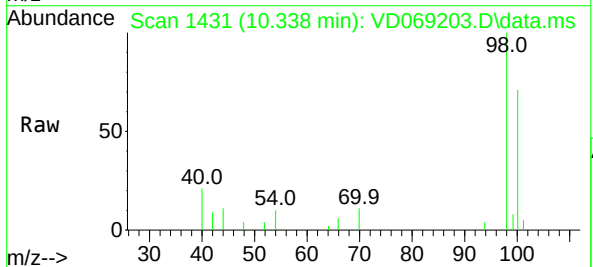
Instrument :
MSVOA_D
ClientSampled :

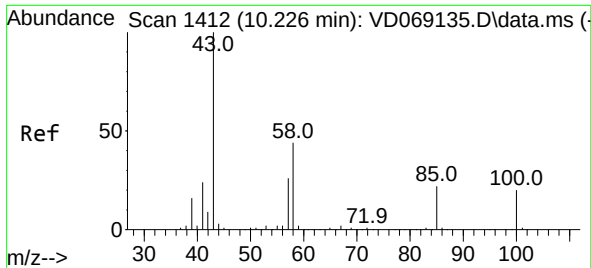
Tgt Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
61 0.0 28.6 42.8#
87 0.0 13.8 20.8#



#50
Toluene-d8
Concen: 46.96 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

Tgt Ion: 98 Resp: 13046
Ion Ratio Lower Upper
98 100
100 70.0 51.8 77.8

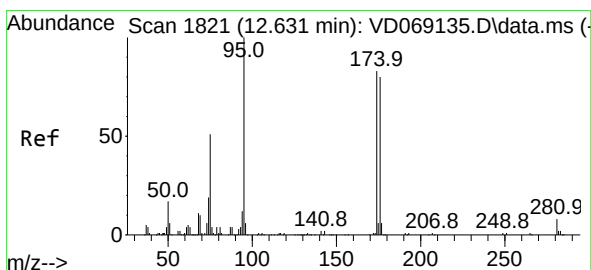
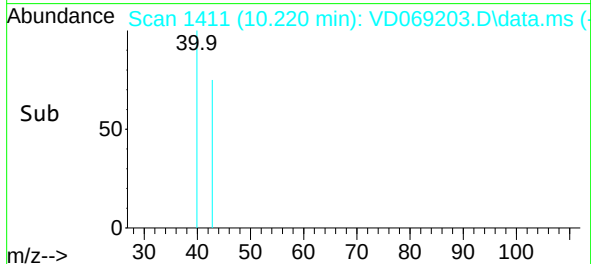
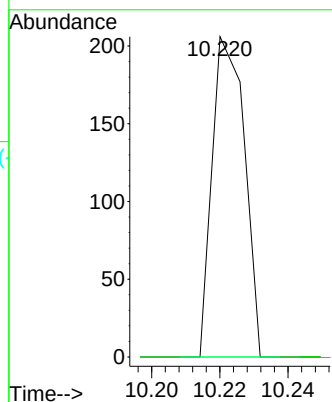
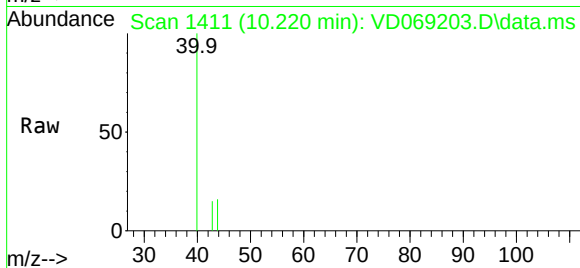




#51
4-Methyl-2-Pentanone
Concen: 3.98 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

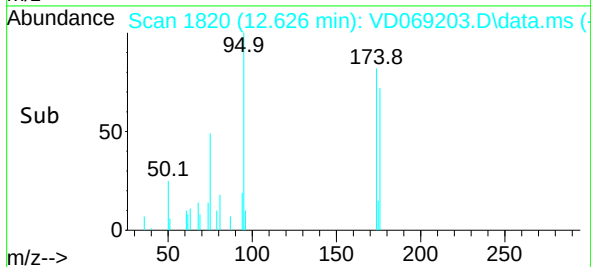
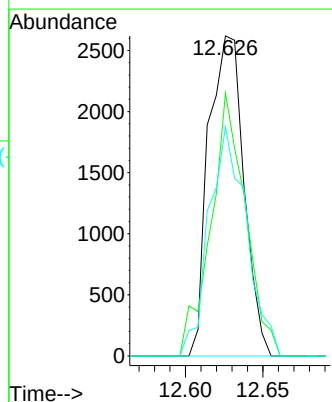
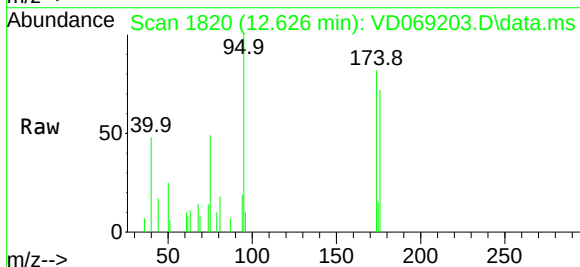
Instrument :
MSVOA_D
ClientSampled :

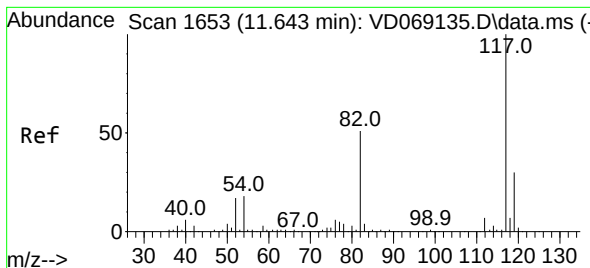
Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
58 0.0 35.0 52.4#



#62
4-Bromofluorobenzene
Concen: 46.24 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

Tgt Ion: 95 Resp: 4133
Ion Ratio Lower Upper
95 100
174 80.8 0.0 171.8
176 76.2 0.0 165.4

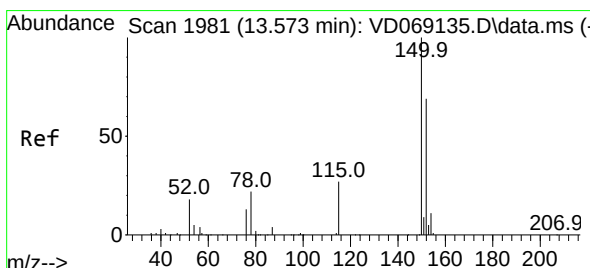
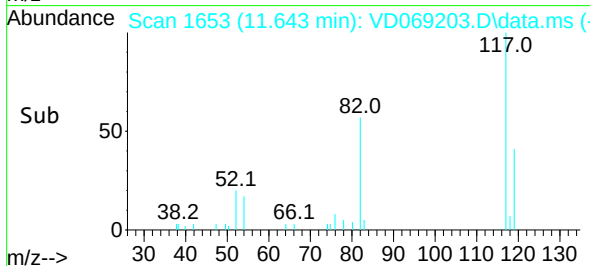
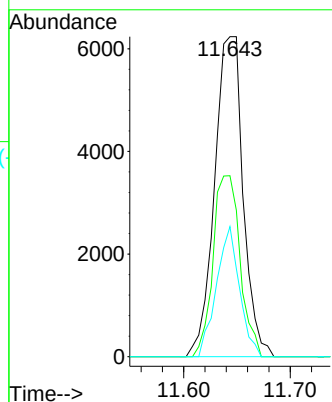
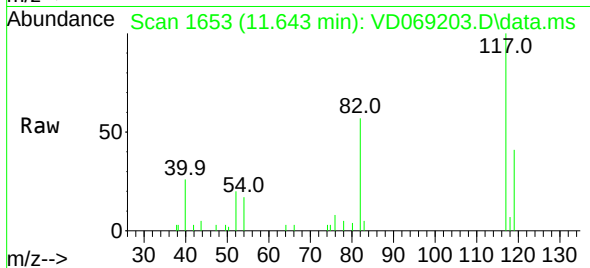




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

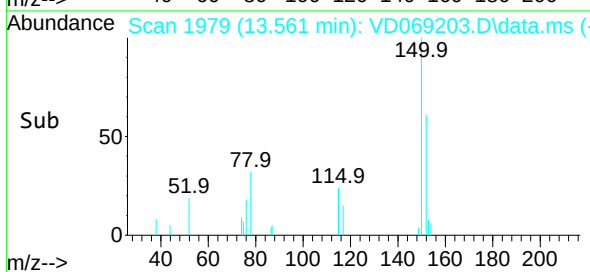
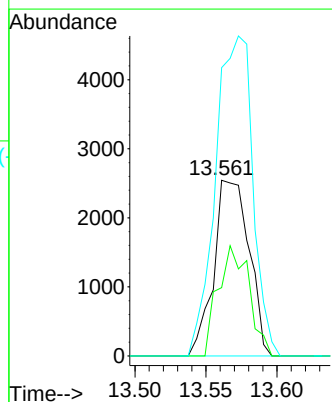
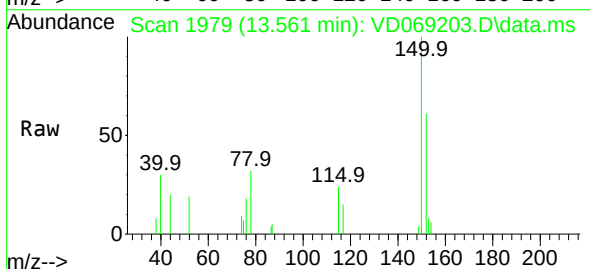
Instrument :
MSVOA_D
ClientSampled :

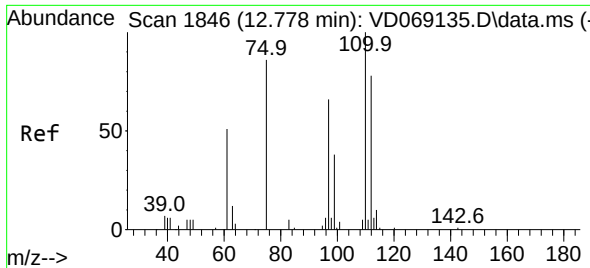
Tgt Ion:117 Resp: 11639
Ion Ratio Lower Upper
117 100
82 56.6 40.5 60.7
119 40.7 24.2 36.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.011 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

Tgt Ion:152 Resp: 4399
Ion Ratio Lower Upper
152 100
115 54.9 29.9 89.8
150 192.2 0.0 350.2

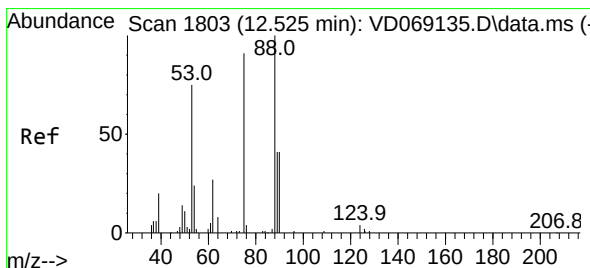
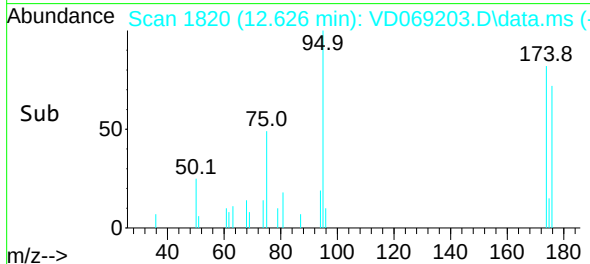
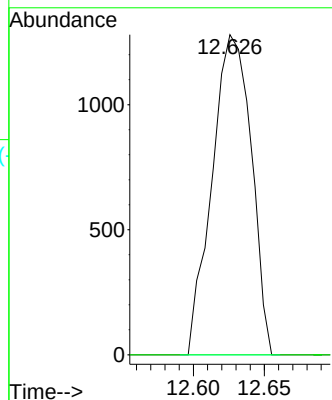
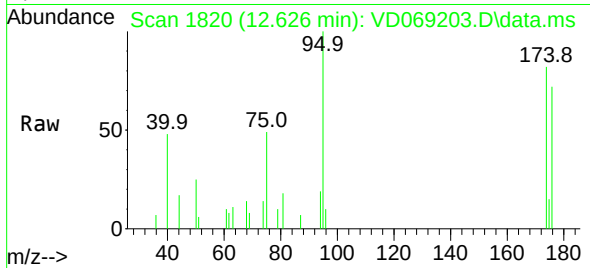




#76
1,2,3-Trichloropropane
Concen: 74.54 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 2465
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 150.57 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069203.D
Acq: 19 May 2021 18:22

Tgt Ion: 75 Resp: 2465
Ion Ratio Lower Upper
75 100
53 0.0 70.0 105.0#
89 0.0 40.2 60.2#

