

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
 Data File : VD069103.D
 Acq On : 07 May 2021 15:24
 Operator : VA/SY
 Sample : M2305-02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-1A

Quant Time: May 08 00:08:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

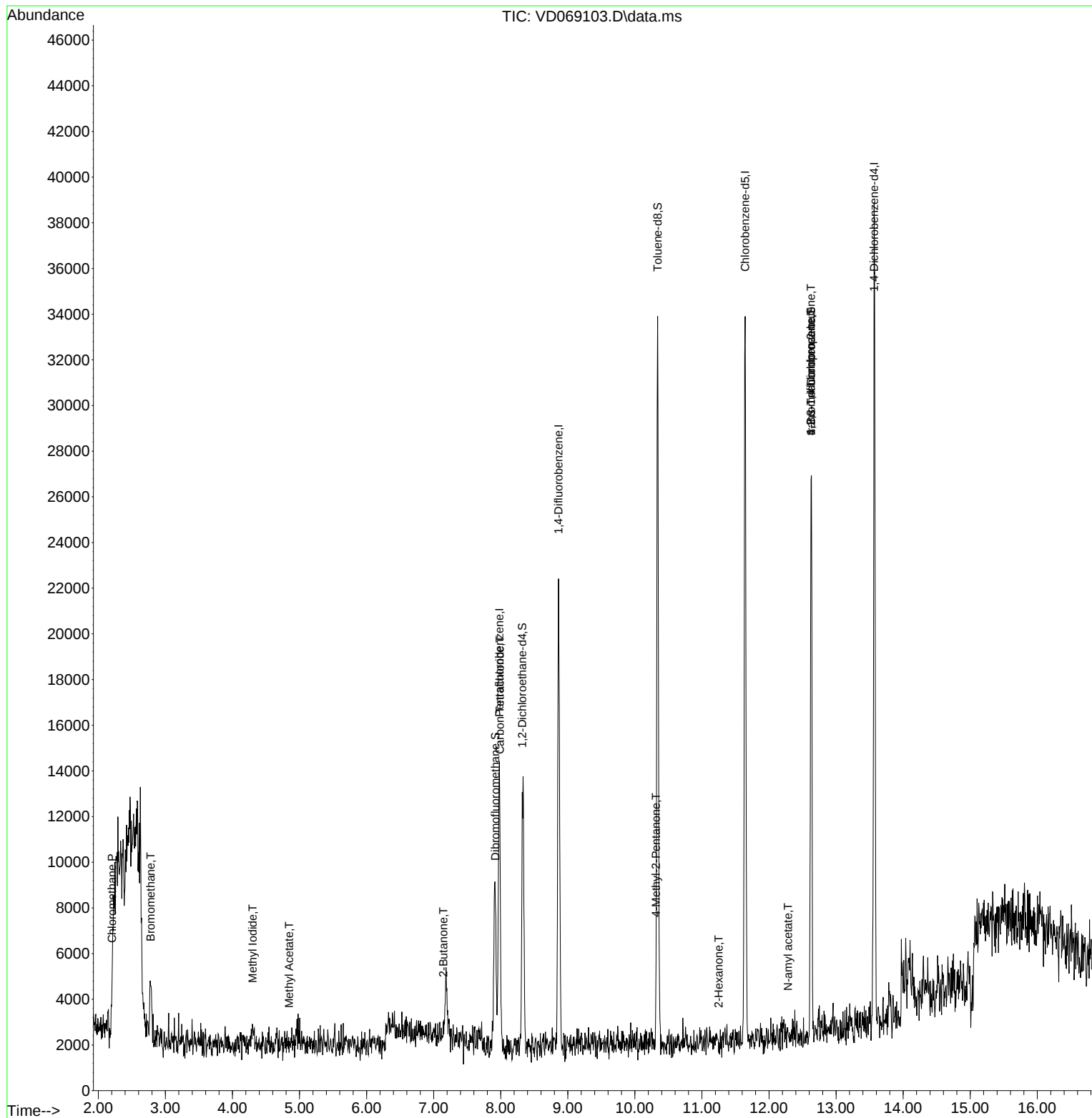
Internal Standards						
1) Pentafluorobenzene	7.979	168	9405	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	17152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	19721	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	9260	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	9187	75.79	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	151.58%
35) Dibromofluoromethane	7.920	113	5320	45.23	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.46%
50) Toluene-d8	10.338	98	22003	50.67	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.34%
62) 4-Bromofluorobenzene	12.626	95	7905	55.34	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	110.68%
Target Compounds						
						Qvalue
3) Chloromethane	2.203	50	693	4.92	ug/l	# 79
5) Bromomethane	2.779	94	2199	19.85	ug/l	82
10) Methyl Iodide	4.303	142	658	9.41	ug/l	# 91
16) Acetone	4.156	43	374	Below	Cal	# 44
18) Methyl Acetate	4.844	43	86	1.82	ug/l	# 46
20) Methylene Chloride	4.968	84	646	Below	Cal	# 8
25) 2-Butanone	7.144	43	58	2.24	ug/l	# 46
38) Carbon Tetrachloride	7.985	117	894	4.57	ug/l	# 13
51) 4-Methyl-2-Pentanone	10.314	43	95	1.45	ug/l	# 34
59) 2-Hexanone	11.250	43	88	2.00	ug/l	# 23
74) N-amyl acetate	12.285	43	158	1.17	ug/l	# 42
76) 1,2,3-Trichloropropane	12.626	75	4552	56.47	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	4552	122.87	ug/l	# 9

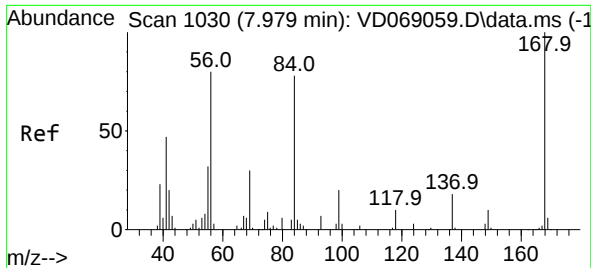
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

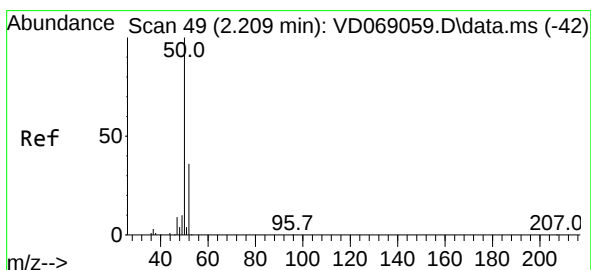
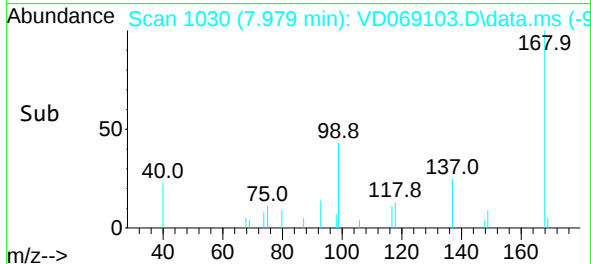
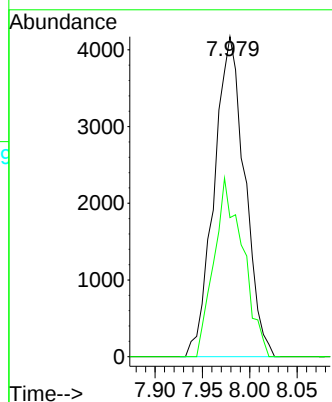
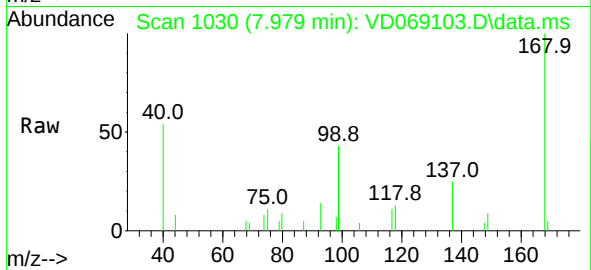




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

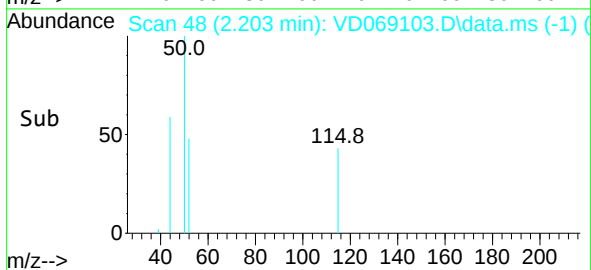
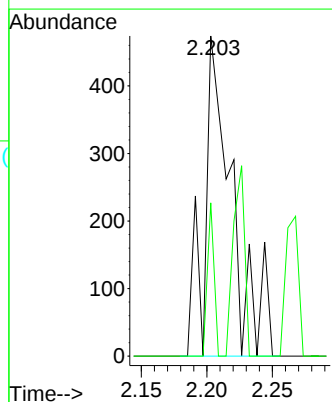
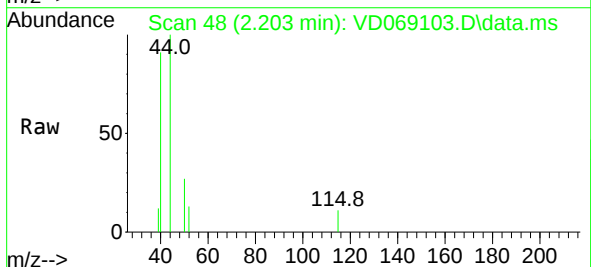
Instrument :
MSVOA_D
ClientSampleId :
P-1A

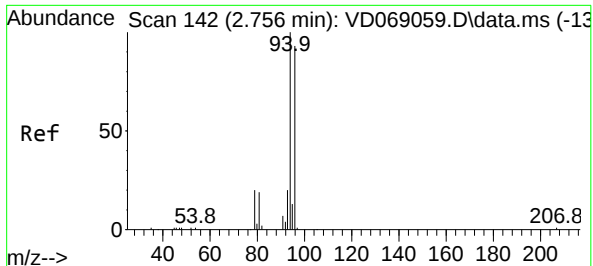
Tgt Ion:168 Resp: 9405
Ion Ratio Lower Upper
168 100
99 43.5 52.6 78.8#



#3
Chloromethane
Concen: 4.92 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

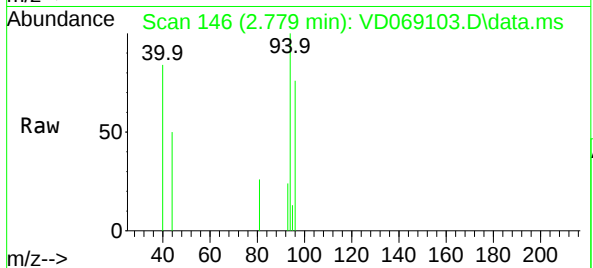
Tgt Ion: 50 Resp: 693
Ion Ratio Lower Upper
50 100
52 47.9 28.5 42.7#



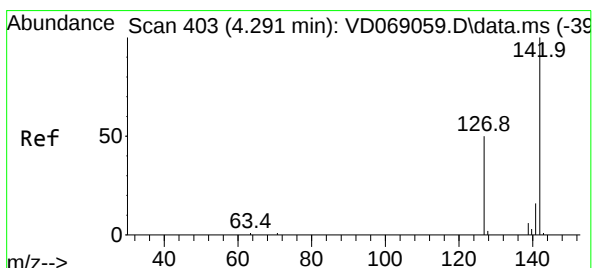
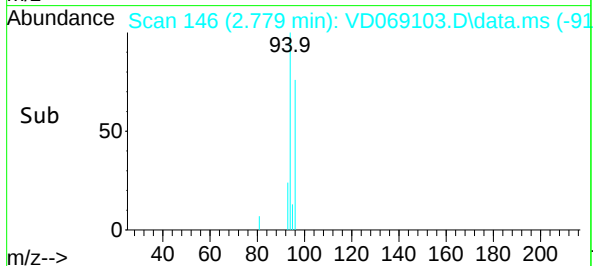
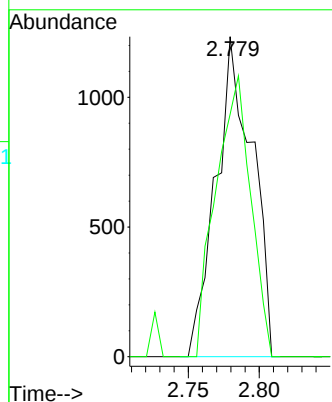


#5
Bromomethane
Concen: 19.85 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.024 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

Instrument :
MSVOA_D
ClientSampled :
P-1A

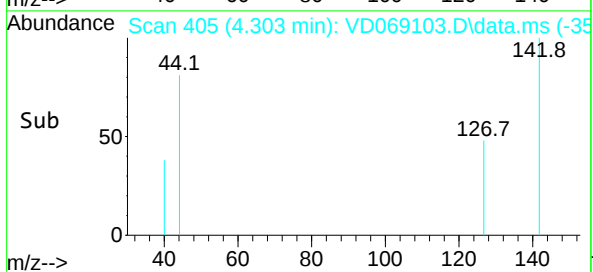
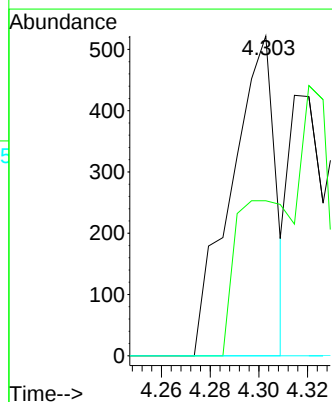
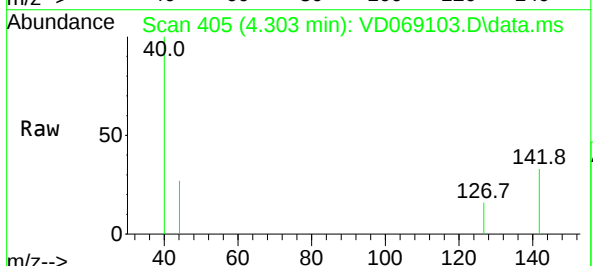


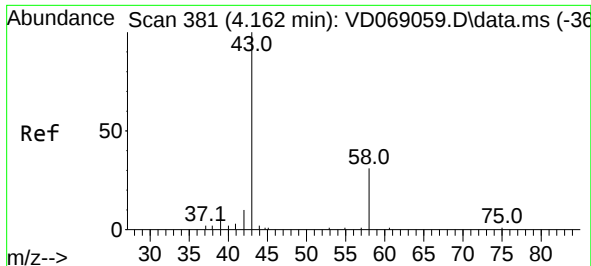
Tgt Ion: 94 Resp: 2199
Ion Ratio Lower Upper
94 100
96 75.8 74.3 111.5



#10
Methyl Iodide
Concen: 9.41 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.012 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

Tgt Ion: 142 Resp: 658
Ion Ratio Lower Upper
142 100
127 52.9 41.6 62.4
141 0.0 12.2 18.4#

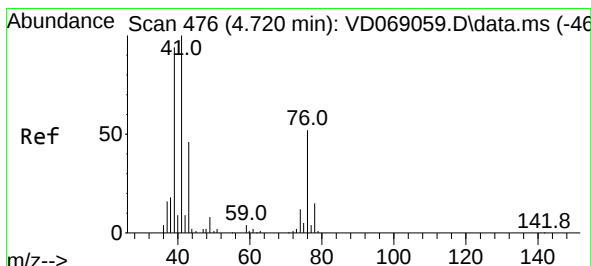
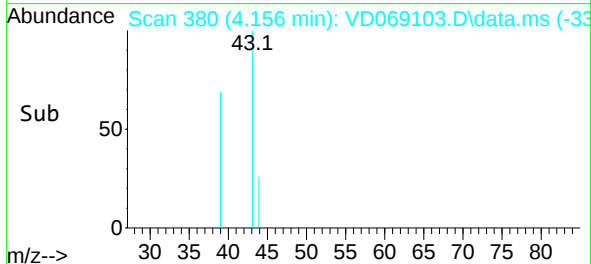
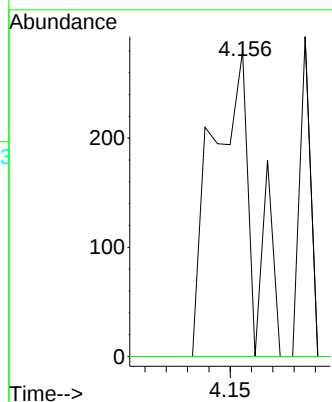
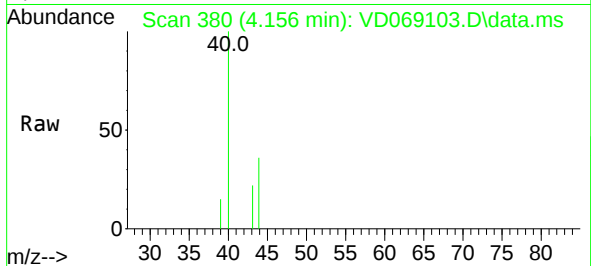




#16
Acetone
Concen: Below Cal
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

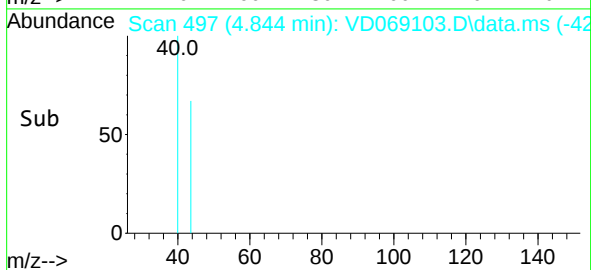
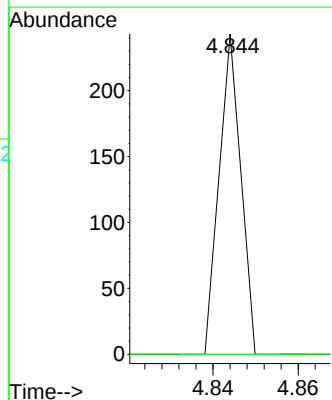
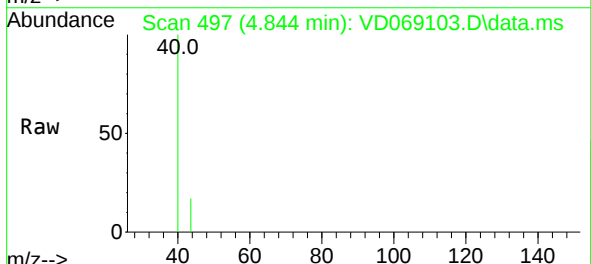
Instrument :
MSVOA_D
ClientSampleId :
P-1A

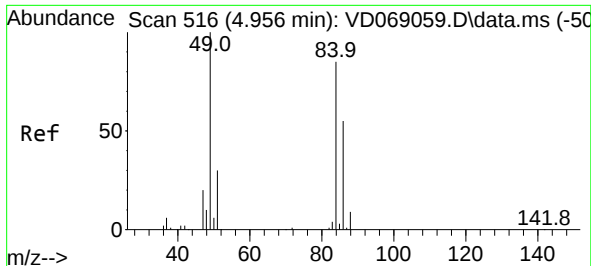
Tgt Ion: 43 Resp: 374
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#



#18
Methyl Acetate
Concen: 1.82 ug/l
RT: 4.844 min Scan# 497
Delta R.T. 0.124 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

Tgt Ion: 43 Resp: 86
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#





#20

Methylene Chloride

Concen: Below Cal

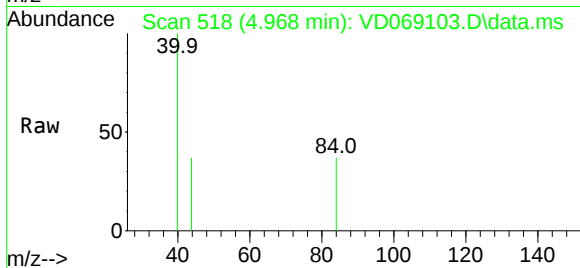
RT: 4.968 min Scan# 518

Delta R.T. 0.012 min

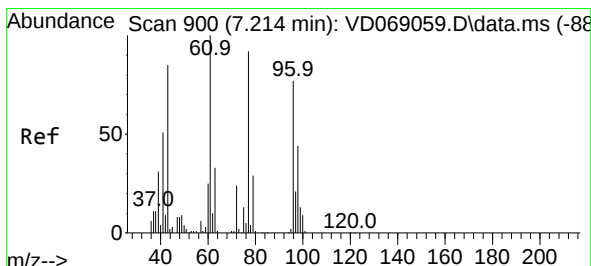
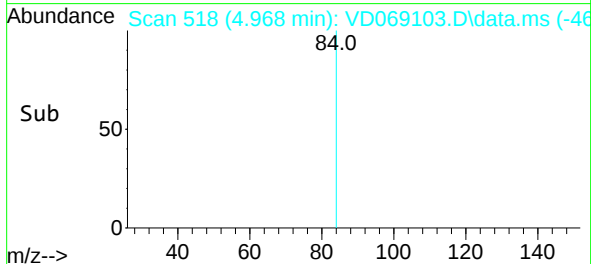
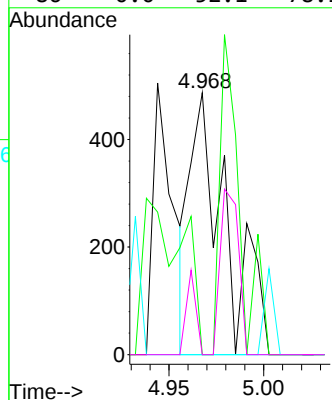
Lab File: VD069103.D

Acq: 07 May 2021 15:24

Instrument :
MSVOA_D
ClientSampleId :
P-1A



Tgt Ion:	84	Resp:	646
Ion	Ratio	Lower	Upper
84	100		
49	0.0	93.9	140.9#
51	0.0	27.9	41.9#
86	0.0	52.1	78.1#



#25

2-Butanone

Concen: 2.24 ug/l

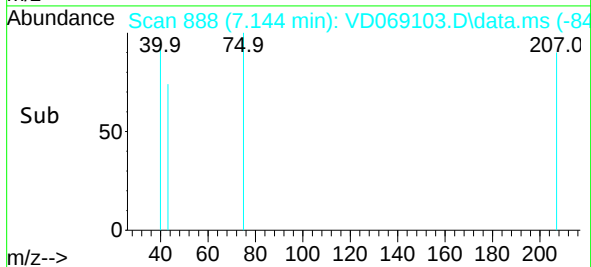
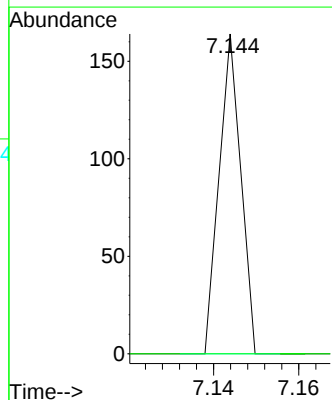
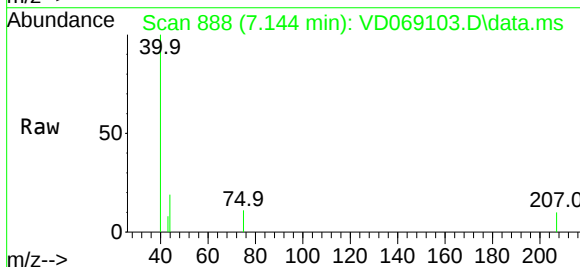
RT: 7.144 min Scan# 888

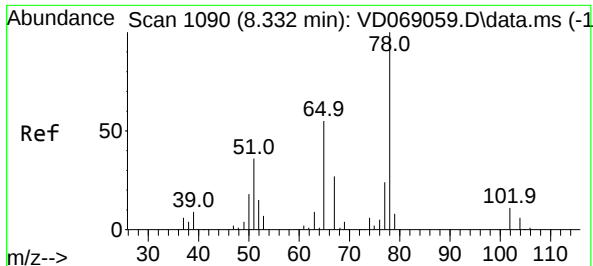
Delta R.T. -0.071 min

Lab File: VD069103.D

Acq: 07 May 2021 15:24

Tgt Ion:	43	Resp:	58
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.0	34.4#

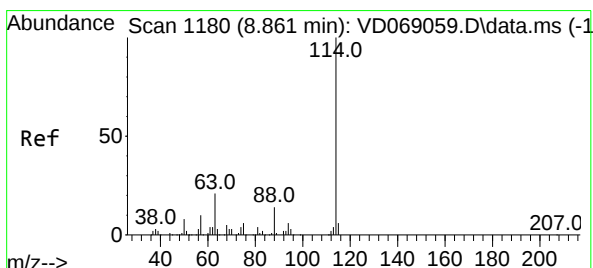
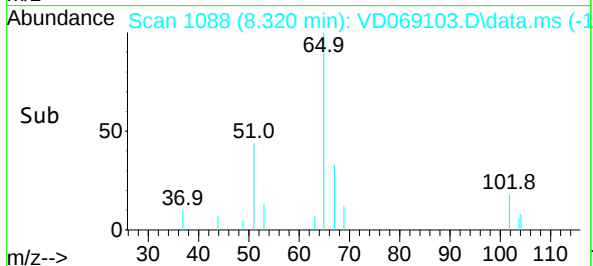
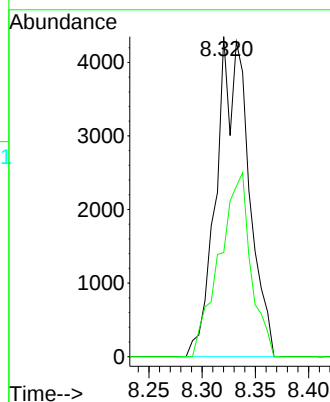
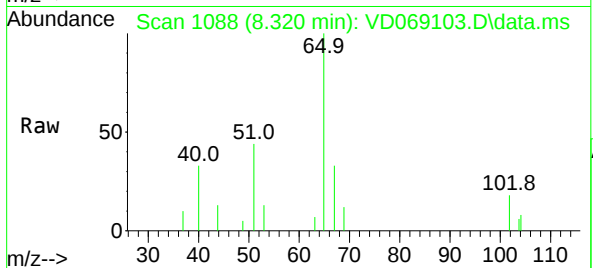




#33
1,2-Dichloroethane-d4
Concen: 75.79 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.012 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

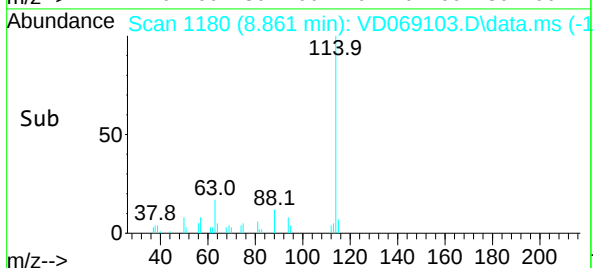
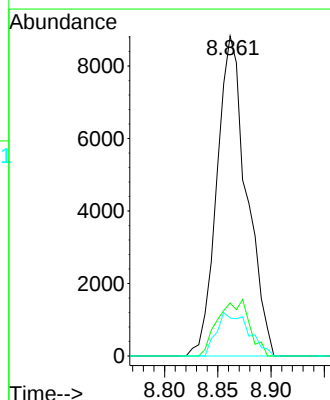
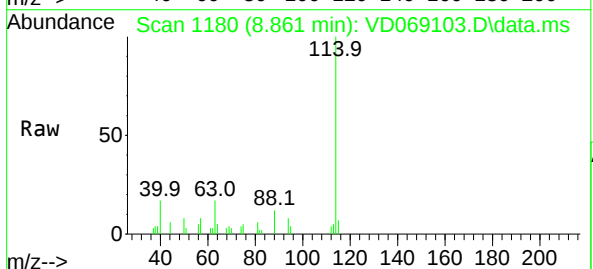
Instrument :
MSVOA_D
ClientSampled :
P-1A

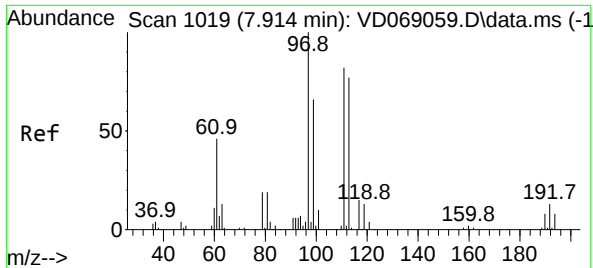
Tgt Ion: 65 Resp: 9187
Ion Ratio Lower Upper
65 100
67 55.8 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

Tgt Ion: 114 Resp: 17152
Ion Ratio Lower Upper
114 100
63 16.5 0.0 41.4
88 11.8 0.0 27.8

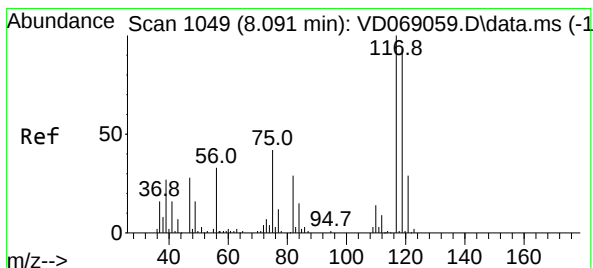
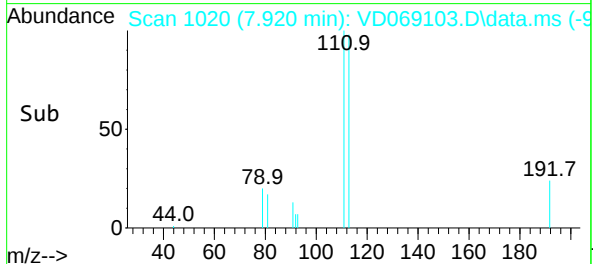
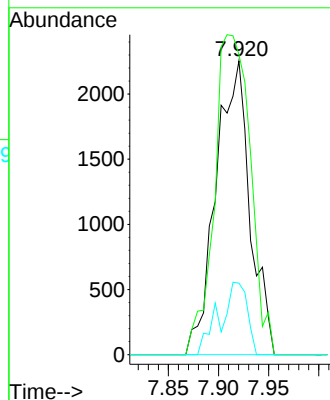
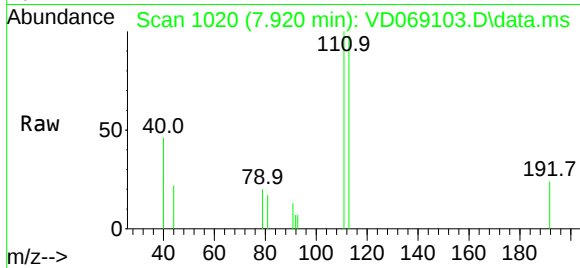




#35
Dibromofluoromethane
Concen: 45.23 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

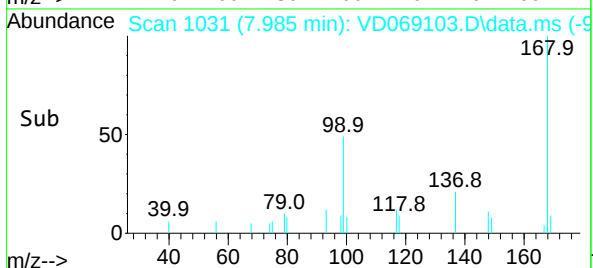
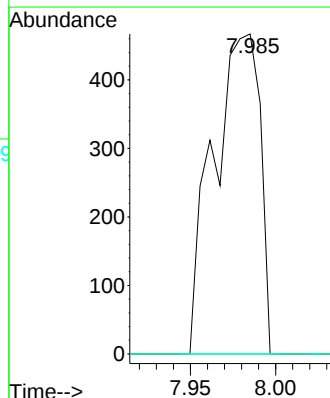
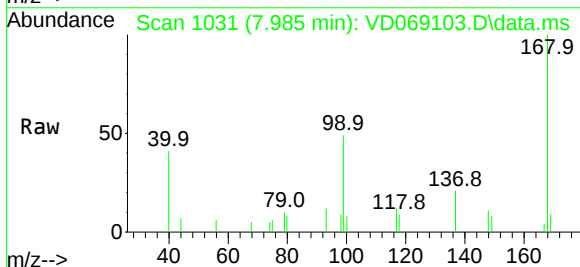
Instrument :
MSVOA_D
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P-1A

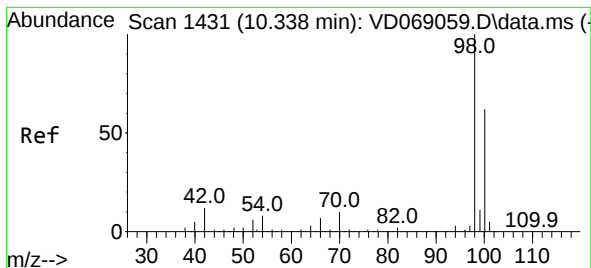
Tgt Ion:	113	Resp:	5320
Ion	Ratio	Lower	Upper
113	100		
111	115.5	84.6	126.8
192	19.9	13.5	20.3



#38
Carbon Tetrachloride
Concen: 4.57 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.106 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

Tgt Ion:	117	Resp:	894
Ion	Ratio	Lower	Upper
117	100		
119	0.0	74.7	112.1#
121	0.0	23.1	34.7#

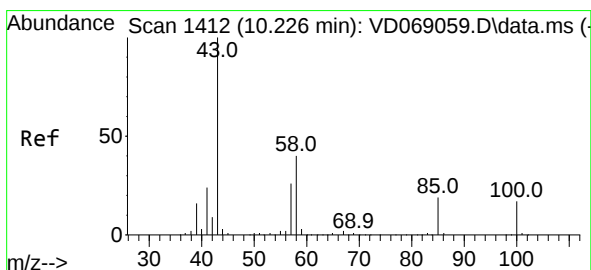
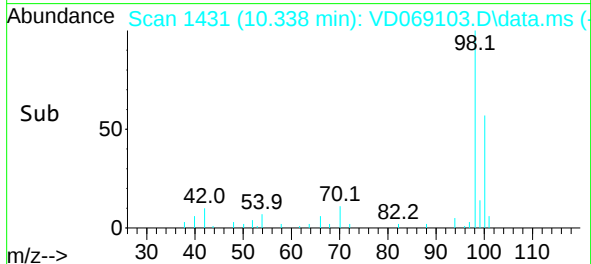
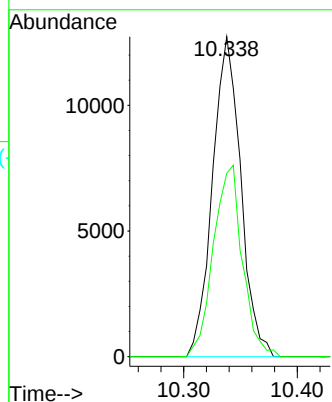
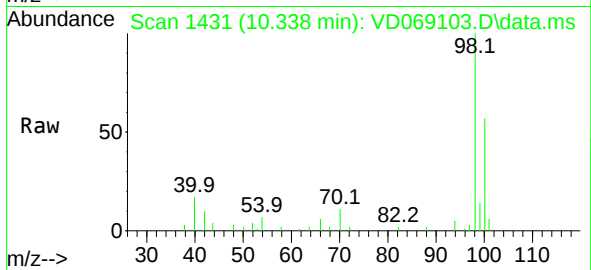




#50
Toluene-d8
Concen: 50.67 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

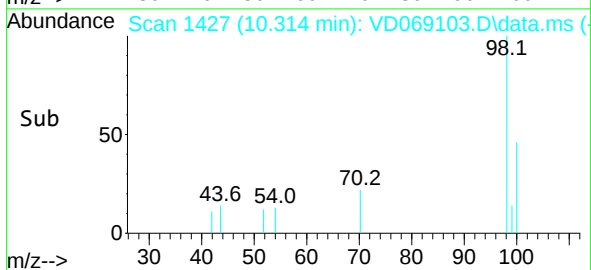
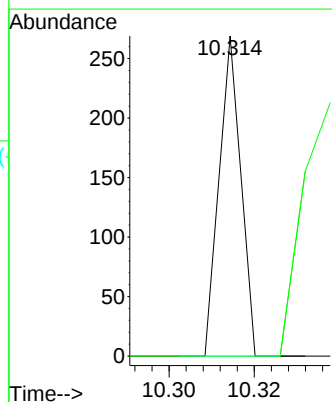
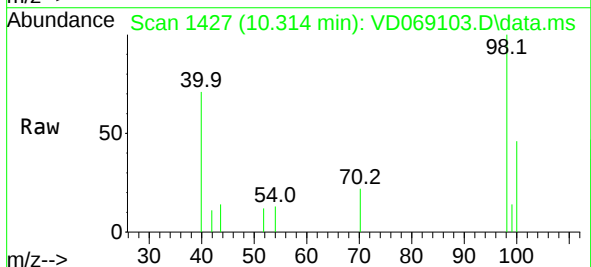
Instrument :
MSVOA_D
ClientSampled :
P-1A

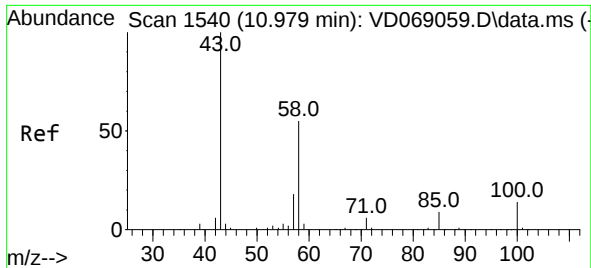
Tgt Ion: 98 Resp: 22003
Ion Ratio Lower Upper
98 100
100 61.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.45 ug/l
RT: 10.314 min Scan# 1427
Delta R.T. 0.088 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
58 0.0 32.7 49.1#

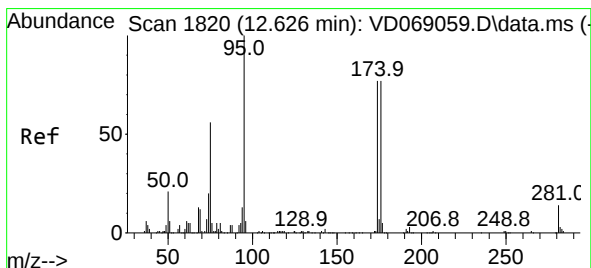
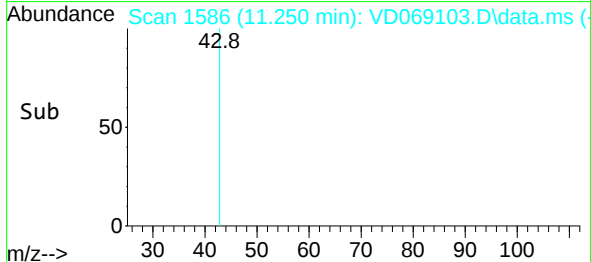
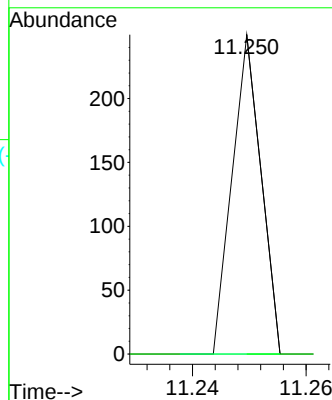
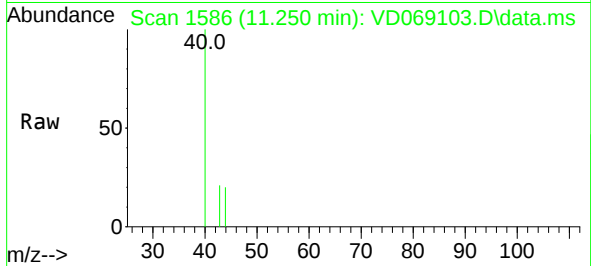




#59
2-Hexanone
Concen: 2.00 ug/l
RT: 11.250 min Scan# 1586
Delta R.T. 0.271 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

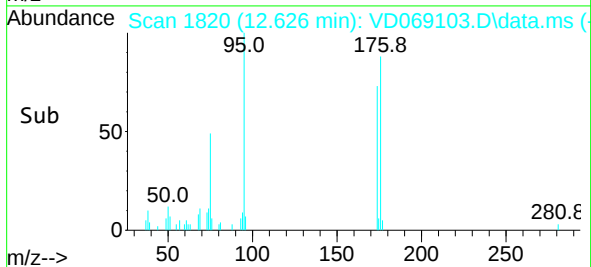
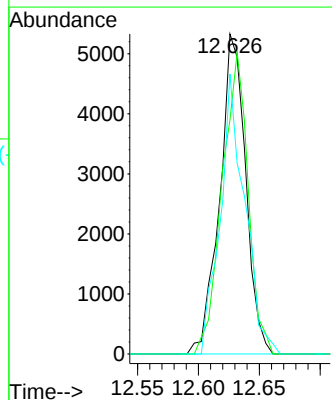
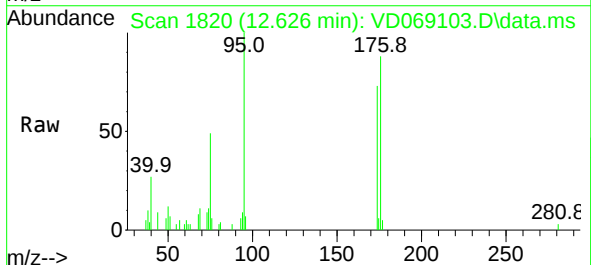
Instrument :
MSVOA_D
ClientSampleId :
P-1A

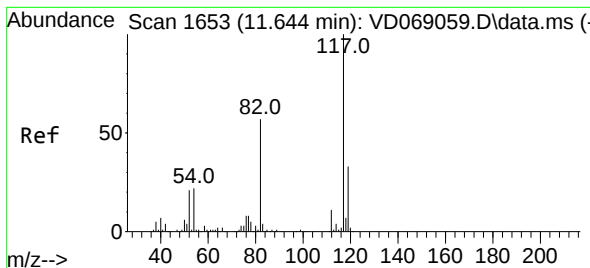
Tgt Ion: 43 Resp: 88
Ion Ratio Lower Upper
43 100
58 0.0 27.9 83.6#



#62
4-Bromofluorobenzene
Concen: 55.34 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

Tgt Ion: 95 Resp: 7905
Ion Ratio Lower Upper
95 100
174 94.5 0.0 156.0
176 82.7 0.0 149.4

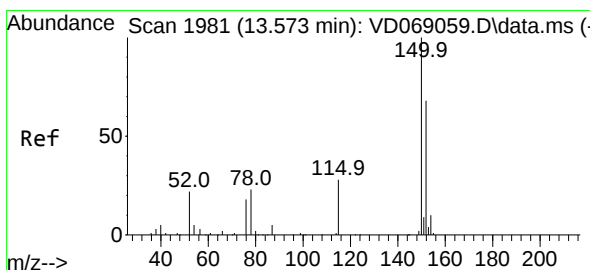
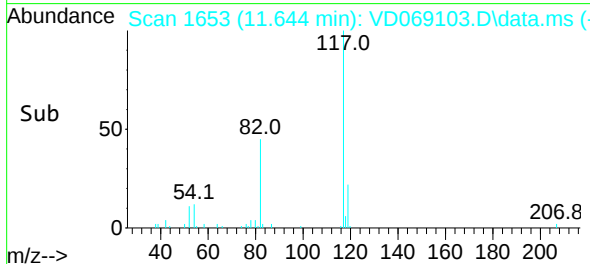
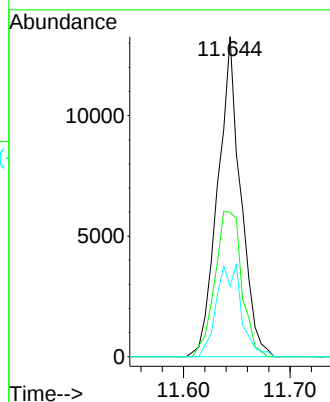
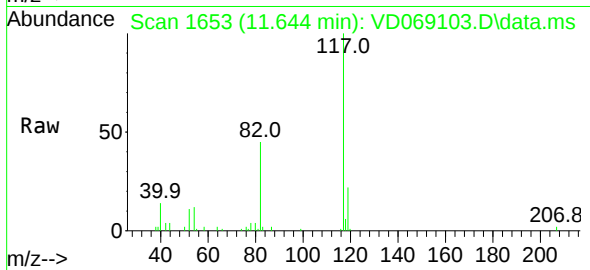




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

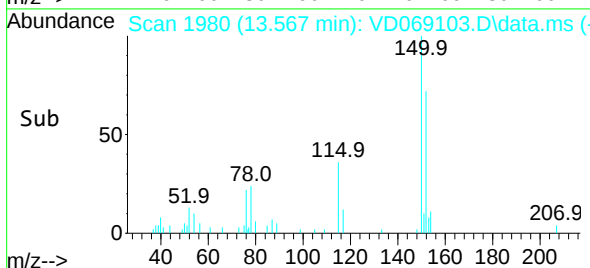
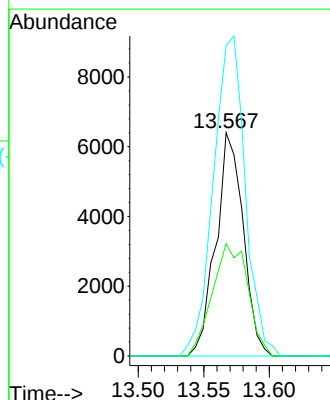
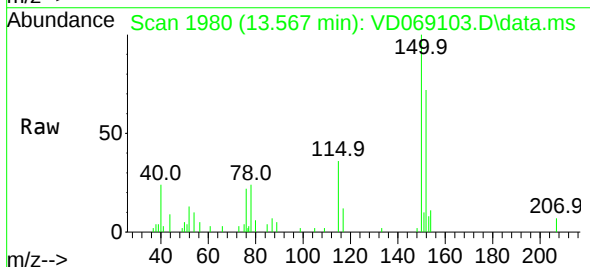
Instrument :
MSVOA_D
ClientSampleId :
P-1A

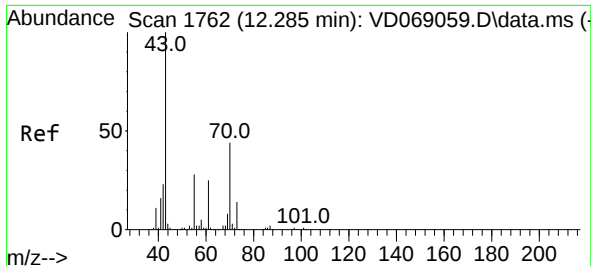
Tgt Ion:117 Resp: 19721
Ion Ratio Lower Upper
117 100
82 45.1 45.4 68.2#
119 22.0 26.8 40.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

Tgt Ion:152 Resp: 9260
Ion Ratio Lower Upper
152 100
115 65.4 30.5 91.5
150 167.1 0.0 340.8

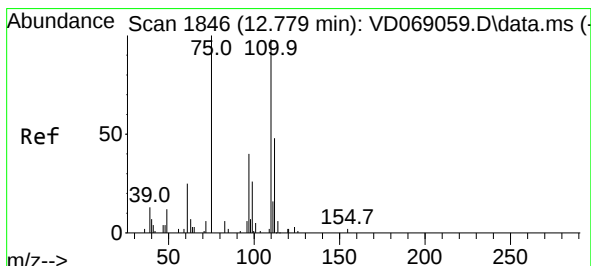
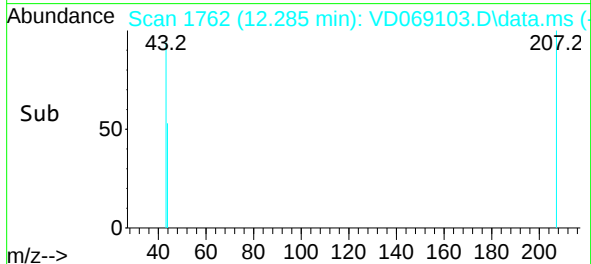
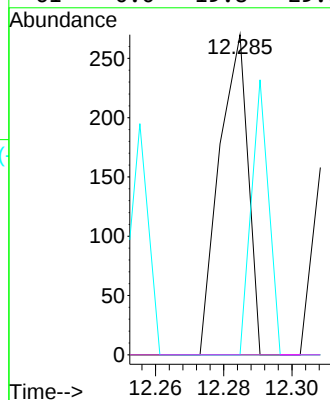
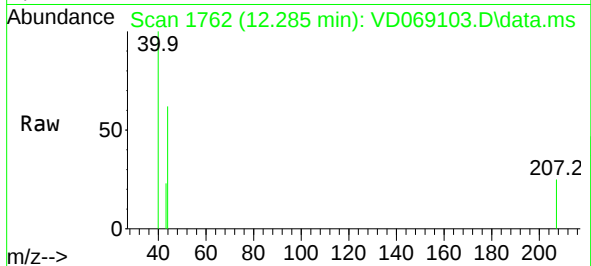




#74
N-amy1 acetate
Concen: 1.17 ug/l
RT: 12.285 min Scan# 1762
Delta R.T. 0.000 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

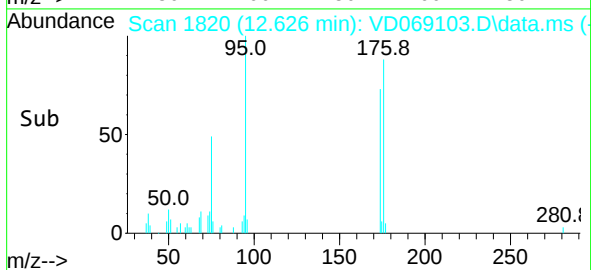
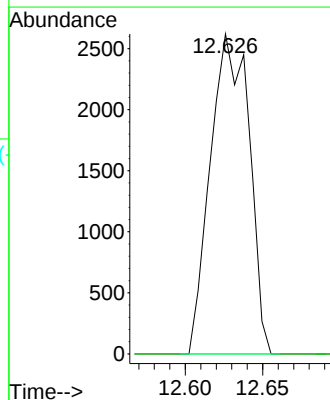
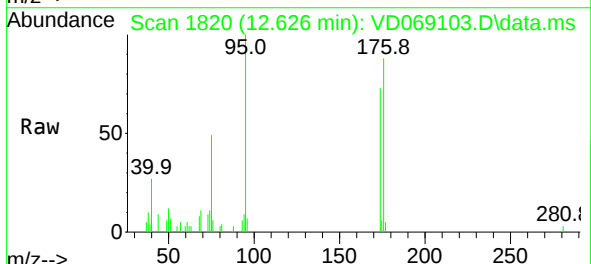
Instrument :
MSVOA_D
ClientSampleId :
P-1A

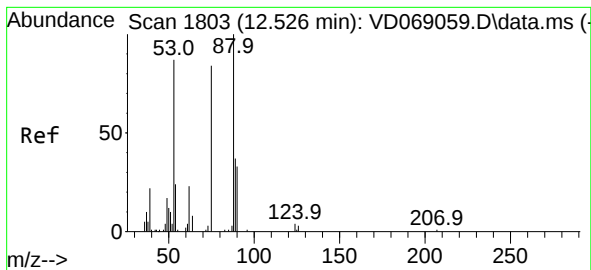
Tgt Ion:	43	Resp:	158
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.4	54.6#
55	51.9	21.8	32.8#
61	0.0	19.8	29.6#



#76
1,2,3-Trichloropropane
Concen: 56.47 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069103.D
Acq: 07 May 2021 15:24

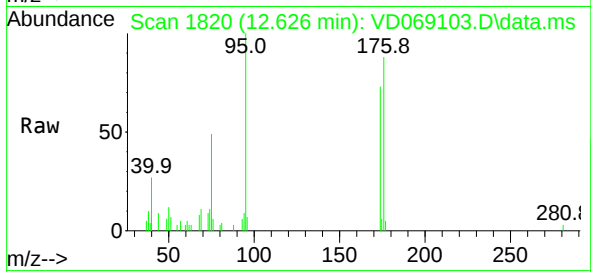
Tgt Ion:	75	Resp:	4552
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.87 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.100 min
 Lab File: VD069103.D
 Acq: 07 May 2021 15:24

Instrument :
 MSVOA_D
 ClientSampleId :
 P-1A



Tgt Ion:	75	Resp:	4552
Ion	Ratio	Lower	Upper
75	100		
53	0.0	80.4	120.6#
89	0.0	37.8	56.8#

