

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052421\
 Data File : VD069260.D
 Acq On : 24 May 2021 17:16
 Operator : VA/SY
 Sample : M2490-02
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11986

Quant Time: May 25 00:57:02 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)

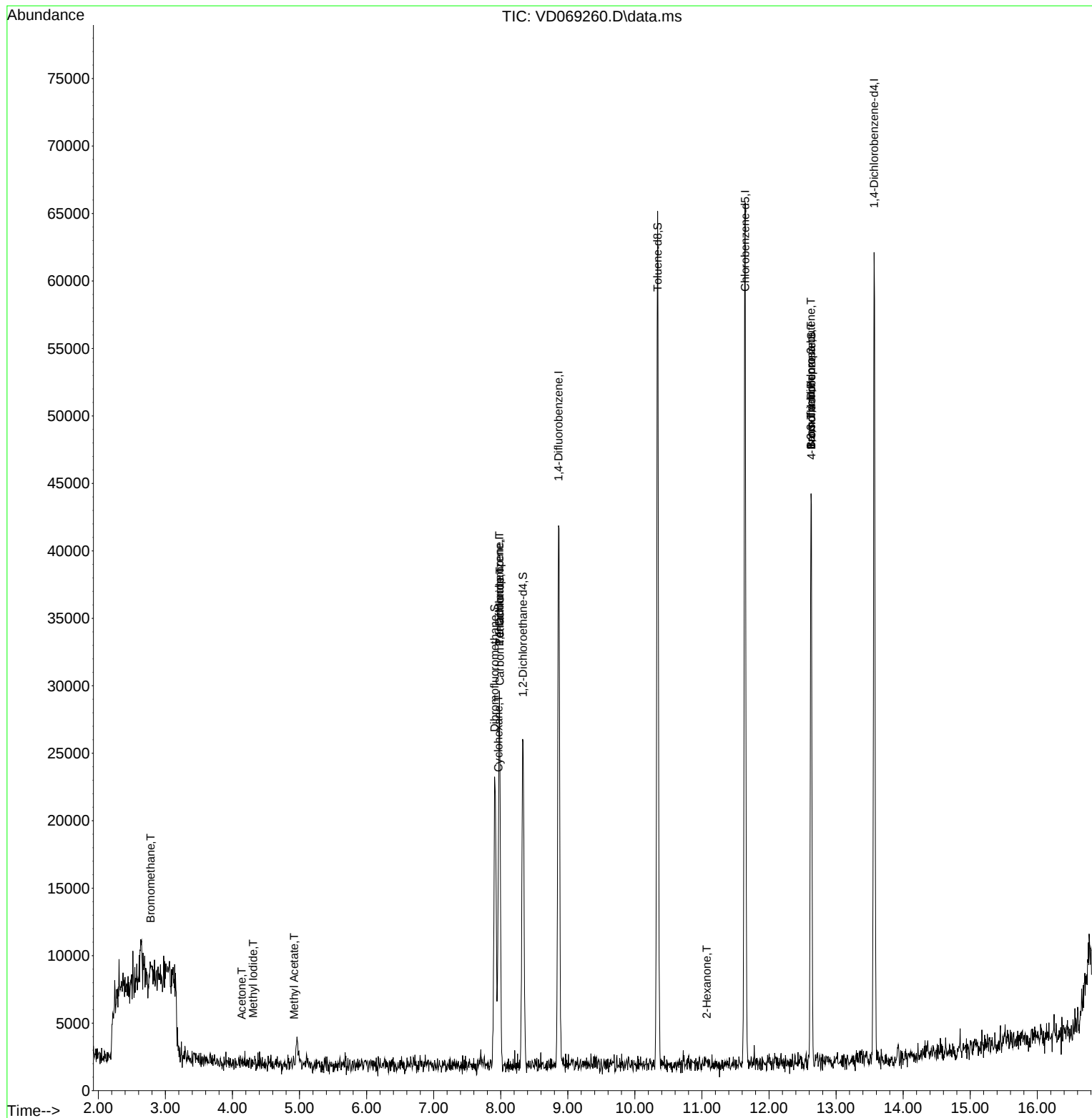
Internal Standards						
1) Pentafluorobenzene	7.979	168	18658	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	34406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	36747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	16056	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	19607	104.82	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	209.64%#
35) Dibromofluoromethane	7.909	113	15395	68.76	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	137.52%
50) Toluene-d8	10.338	98	43231	52.55	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.10%
62) 4-Bromofluorobenzene	12.632	95	12867	48.61	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.22%
Target Compounds						
						Qvalue
5) Bromomethane	2.779	94	602	2.66	ug/l	98
10) Methyl Iodide	4.309	142	61	1.20	ug/l	# 38
16) Acetone	4.138	43	61	2.13	ug/l	# 41
18) Methyl Acetate	4.920	43	120	1.72	ug/l	# 45
20) Methylene Chloride	4.968	84	1558	Below	Cal	# 81
31) Cyclohexane	7.967	56	314	1.13	ug/l	# 6
36) 1,1-Dichloropropene	7.979	75	1574	4.71	ug/l	# 40
38) Carbon Tetrachloride	7.985	117	2068	5.53	ug/l	# 12
59) 2-Hexanone	11.073	43	69	1.03	ug/l	# 19
71) Bromoform	12.626	173	171	1.14	ug/l	# 1
76) 1,2,3-Trichloropropane	12.626	75	7133	59.10	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	7133	119.38	ug/l	# 14

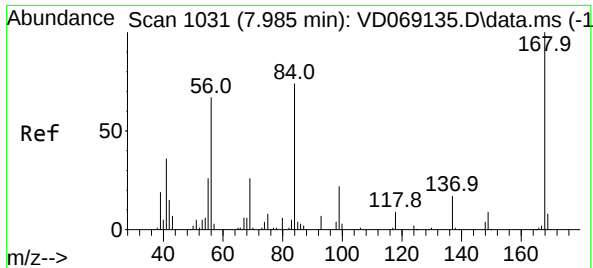
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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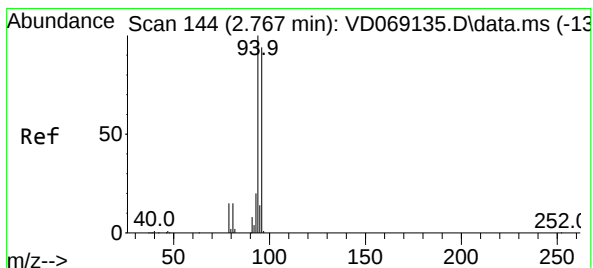
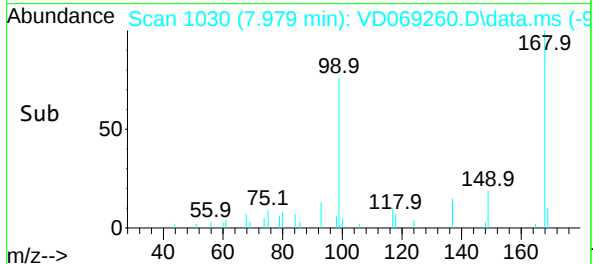
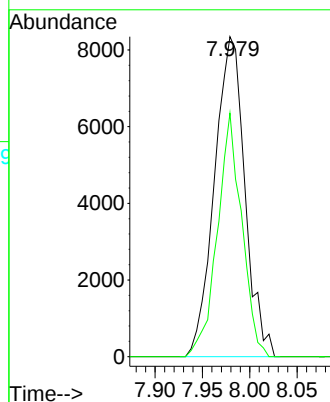
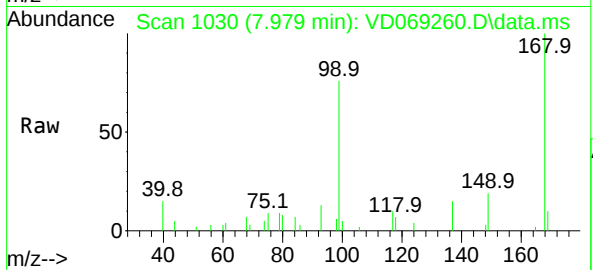




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

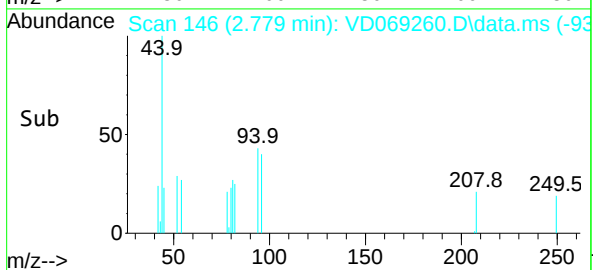
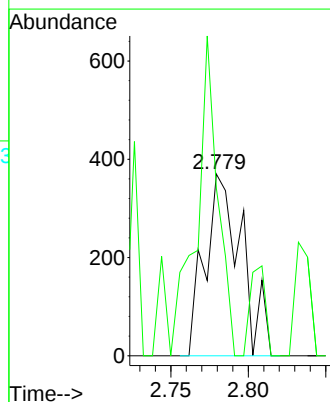
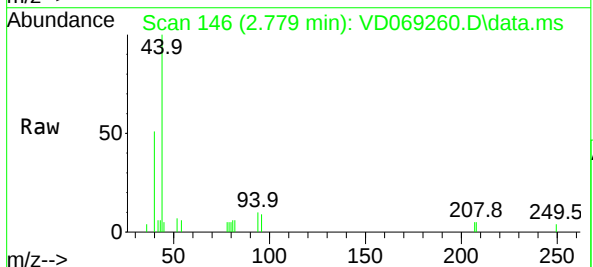
Instrument :
MSVOA_D
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72-11986

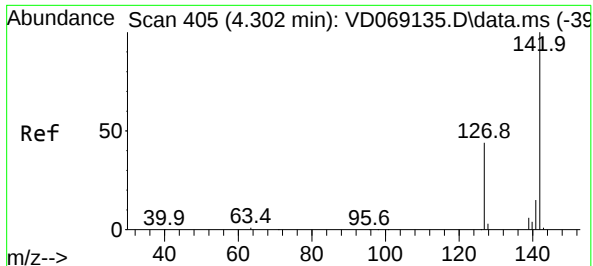
Tgt Ion:168 Resp: 18658
Ion Ratio Lower Upper
168 100
99 76.1 47.2 70.8#



#5
Bromomethane
Concen: 2.66 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

Tgt Ion: 94 Resp: 602
Ion Ratio Lower Upper
94 100
96 92.2 75.4 113.0

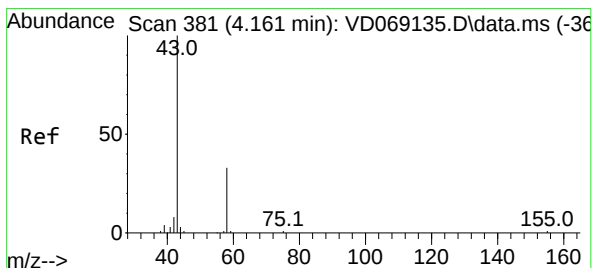
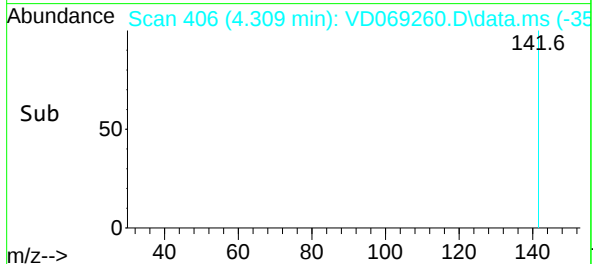
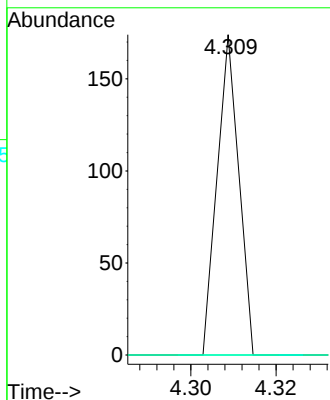
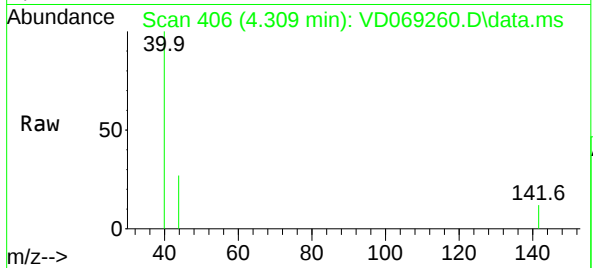




#10
Methyl Iodide
Concen: 1.20 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.007 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

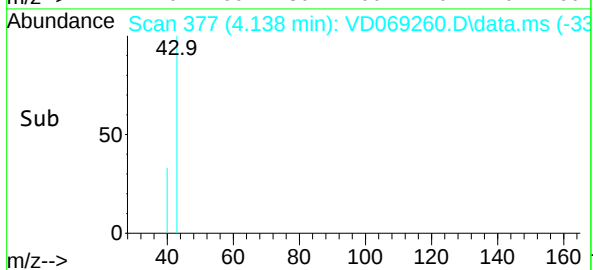
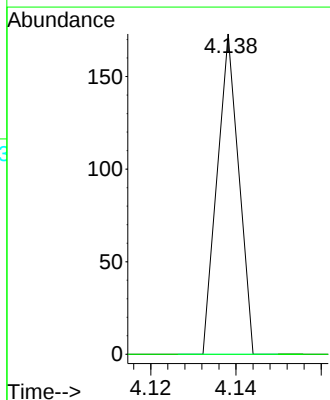
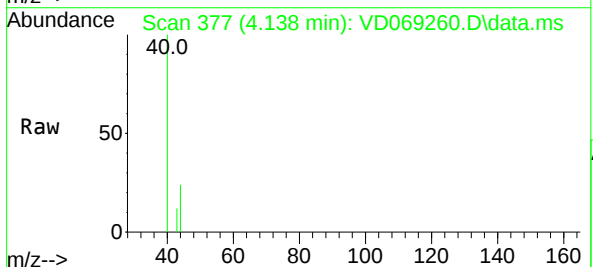
Instrument :
MSVOA_D
ClientSampleId :
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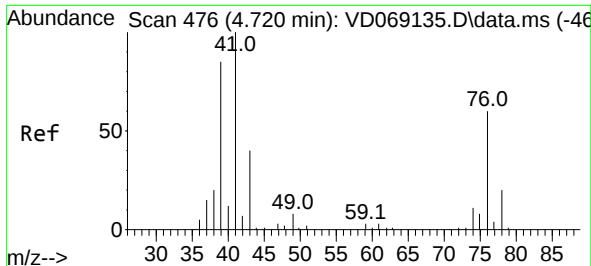
Tgt Ion:142 Resp: 61
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 12.2 18.4#



#16
Acetone
Concen: 2.13 ug/l
RT: 4.138 min Scan# 377
Delta R.T. -0.023 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#

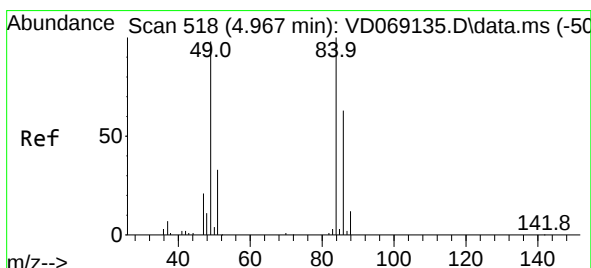
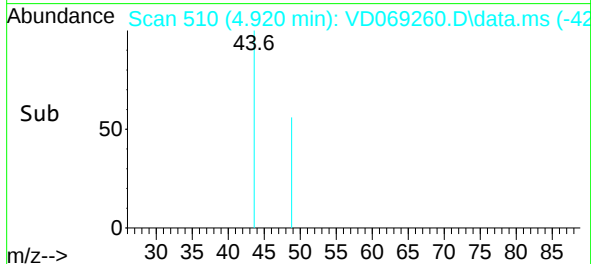
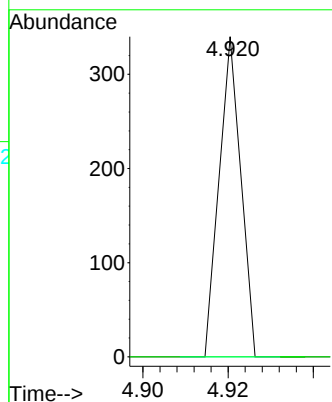
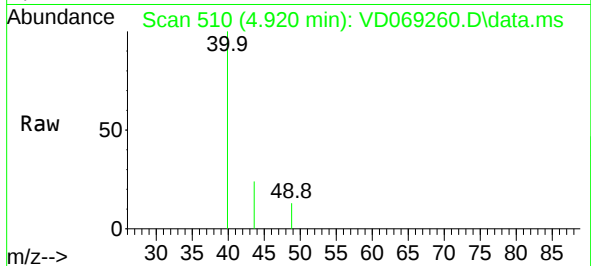




#18
Methyl Acetate
Concen: 1.72 ug/l
RT: 4.920 min Scan# 510
Delta R.T. 0.200 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

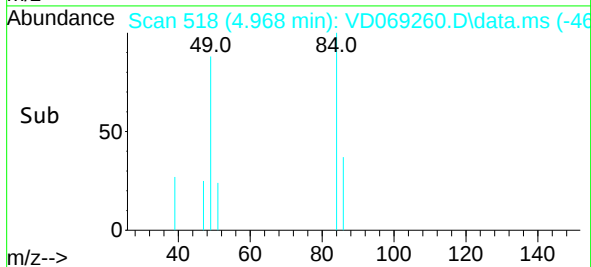
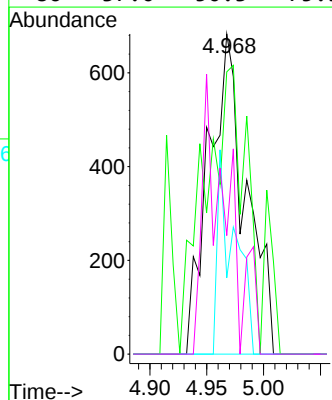
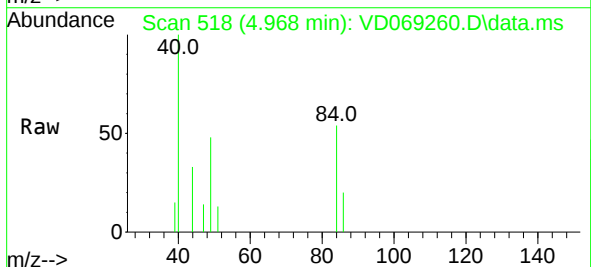
Instrument :
MSVOA_D
ClientSampleId :
72-11986

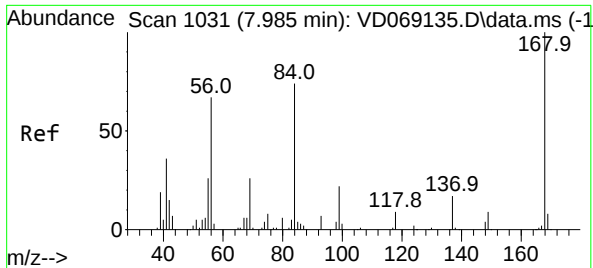
Tgt Ion: 43 Resp: 120
Ion Ratio Lower Upper
43 100
74 0.0 23.8 35.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.001 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

Tgt Ion: 84 Resp: 1558
Ion Ratio Lower Upper
84 100
49 88.1 78.6 117.8
51 23.9 26.7 40.1#
86 37.0 50.3 75.5#

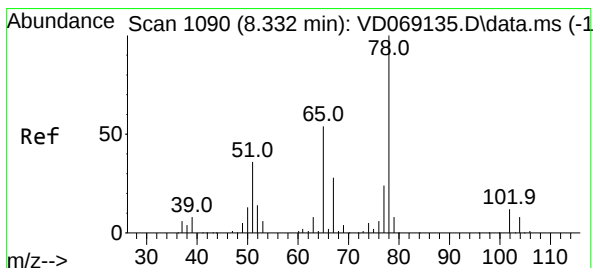
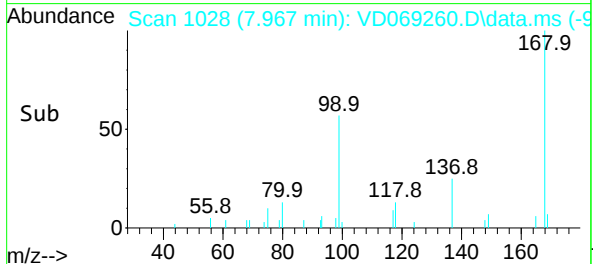
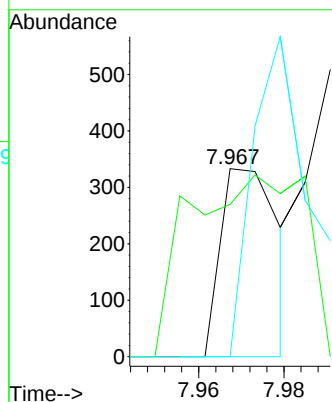
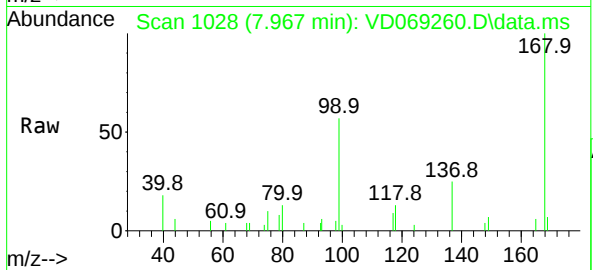




#31
Cyclohexane
Concen: 1.13 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.017 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

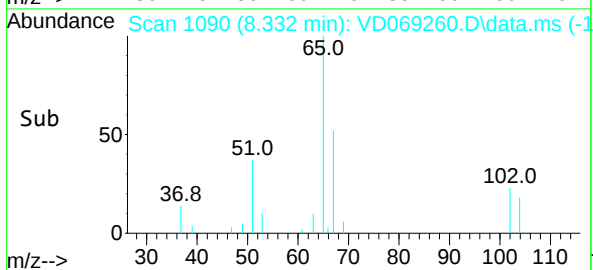
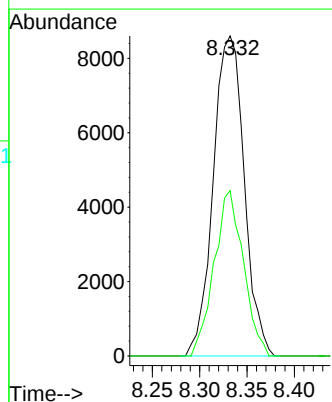
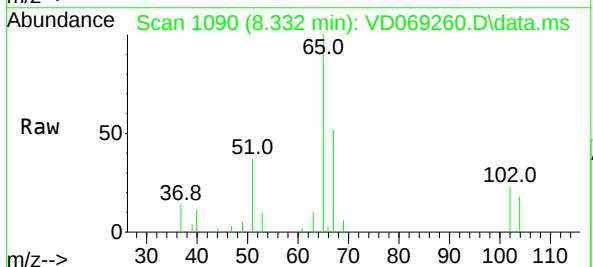
Instrument :
MSVOA_D
ClientSampleId :
72-11986

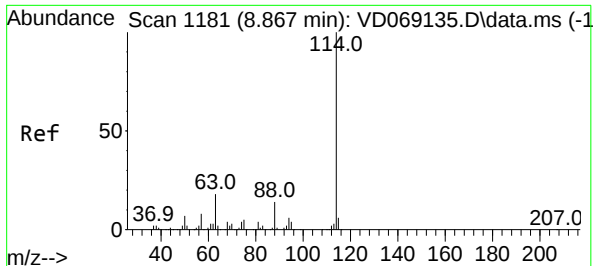
Tgt Ion: 56 Resp: 314
Ion Ratio Lower Upper
56 100
69 0.0 30.6 46.0#
84 0.0 88.0 132.0#



#33
1,2-Dichloroethane-d4
Concen: 104.82 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

Tgt Ion: 65 Resp: 19607
Ion Ratio Lower Upper
65 100
67 48.8 0.0 108.0

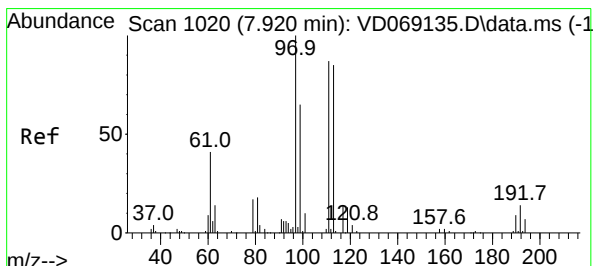
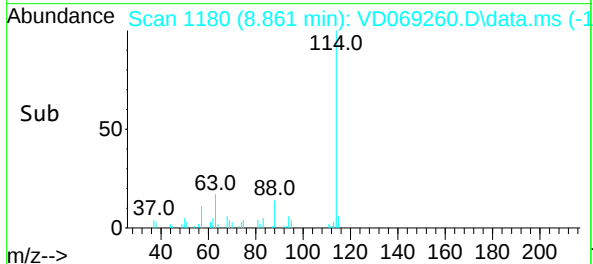
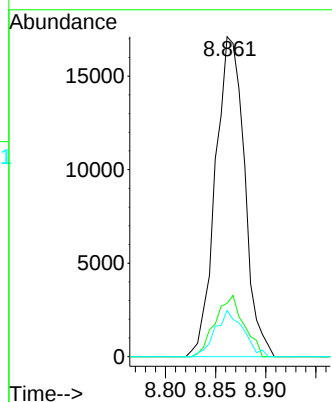
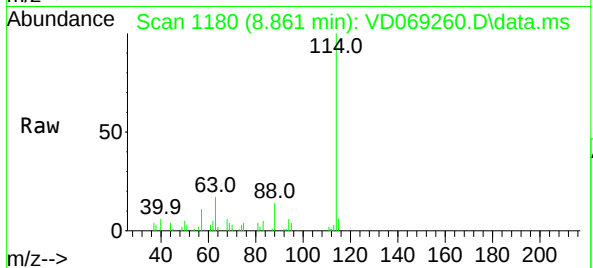




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.005 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

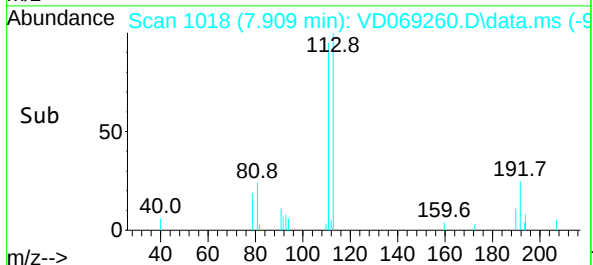
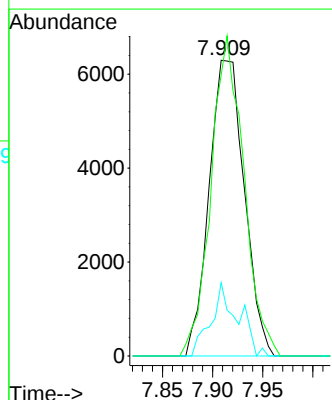
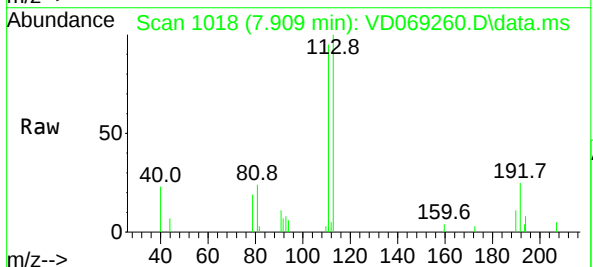
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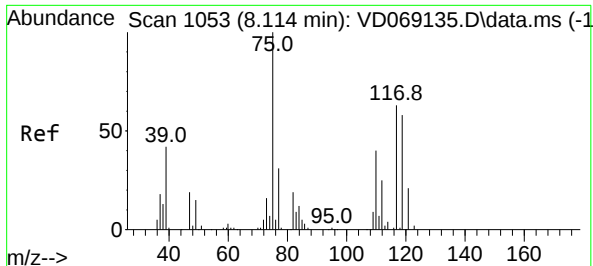
Tgt Ion:	114	Resp:	34406
Ion Ratio	Lower	Upper	
114	100		
63	16.7	0.0	36.4
88	14.4	0.0	28.2



#35
Dibromofluoromethane
Concen: 68.76 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.011 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

Tgt Ion:	113	Resp:	15395
Ion Ratio	Lower	Upper	
113	100		
111	100.8	80.6	120.8
192	19.0	14.8	22.2

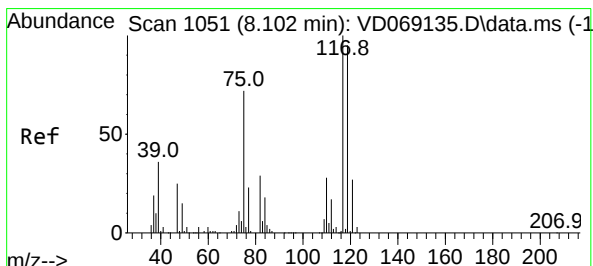
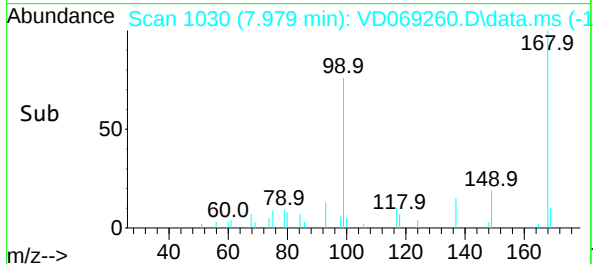
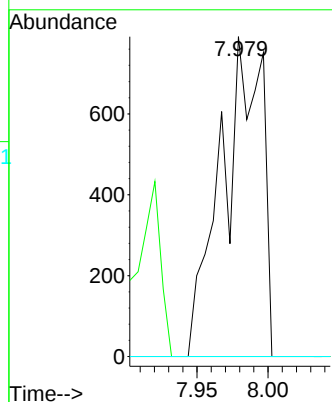
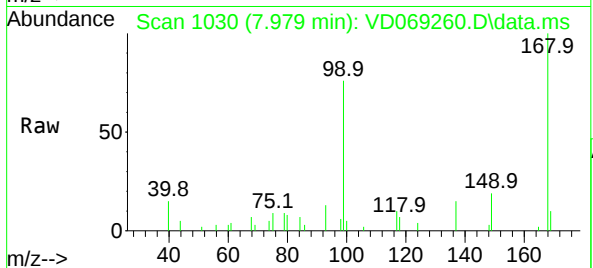




#36
1,1-Dichloropropene
Concen: 4.71 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

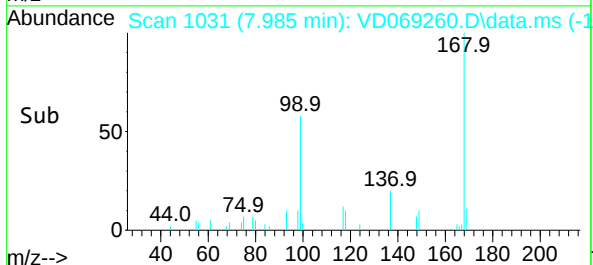
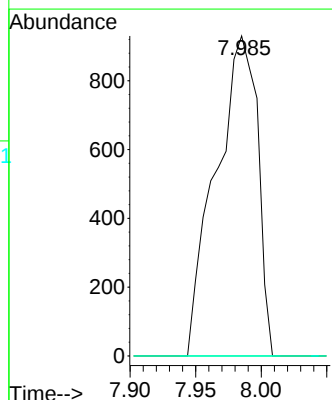
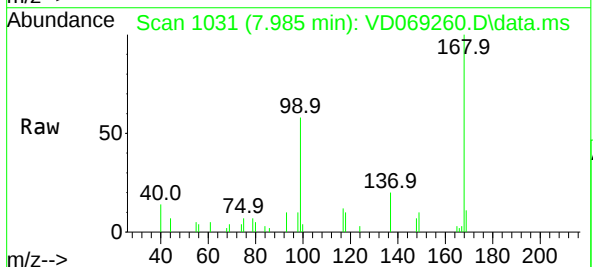
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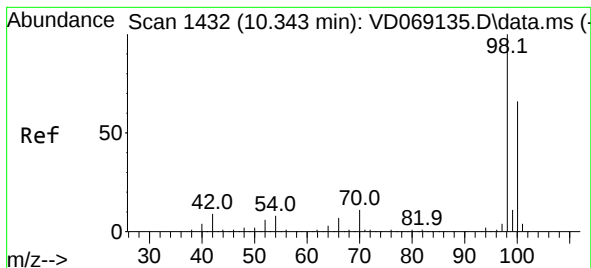
Tgt Ion: 75 Resp: 1574
Ion Ratio Lower Upper
75 100
110 0.0 18.8 56.4#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.53 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

Tgt Ion: 117 Resp: 2068
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 21.9 32.9#

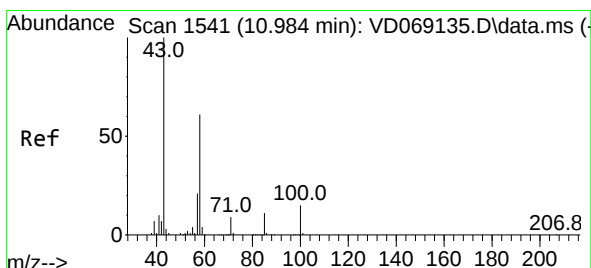
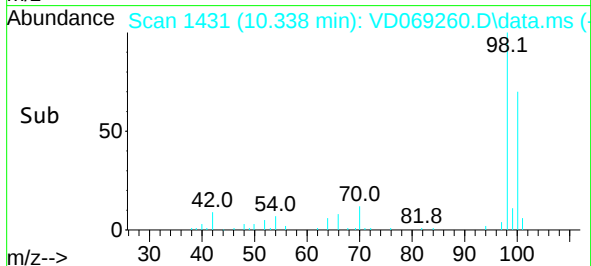
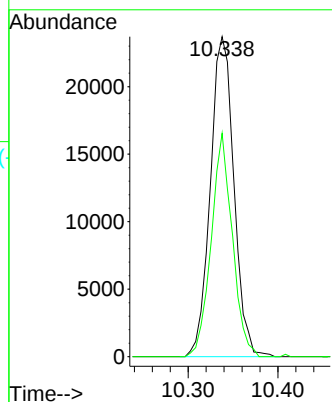
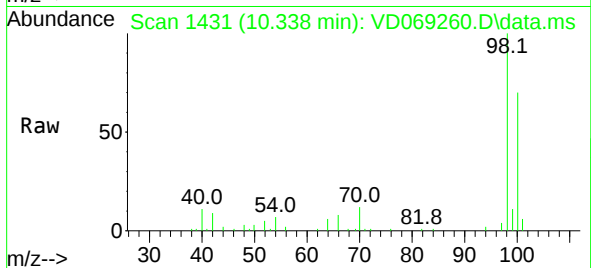




#50
Toluene-d8
Concen: 52.55 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

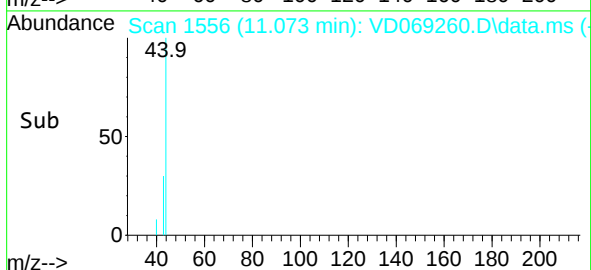
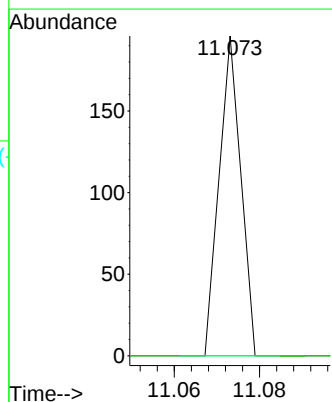
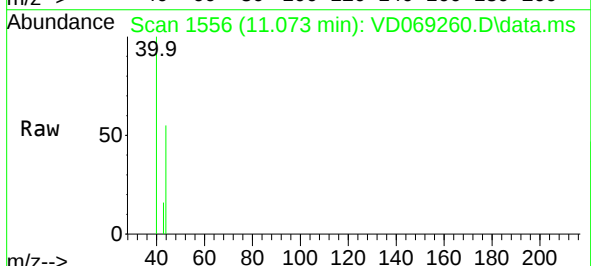
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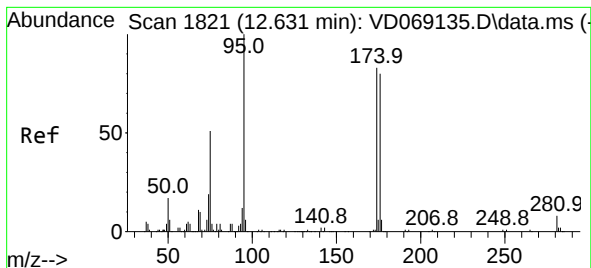
Tgt Ion: 98 Resp: 43231
Ion Ratio Lower Upper
98 100
100 62.5 51.8 77.8



#59
2-Hexanone
Concen: 1.03 ug/l
RT: 11.073 min Scan# 1556
Delta R.T. 0.089 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#

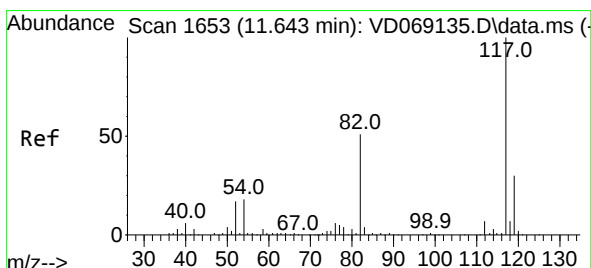
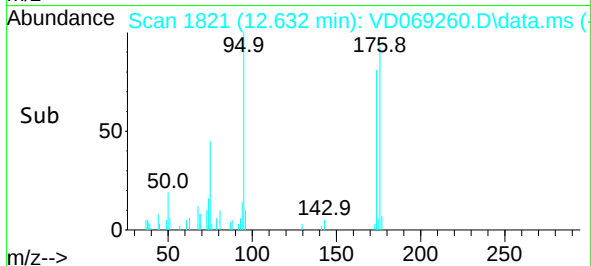
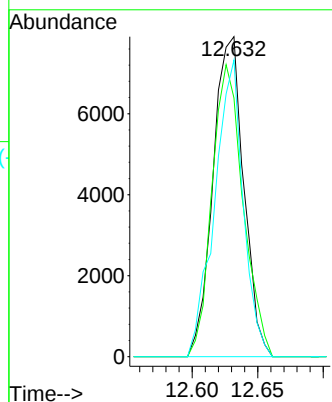
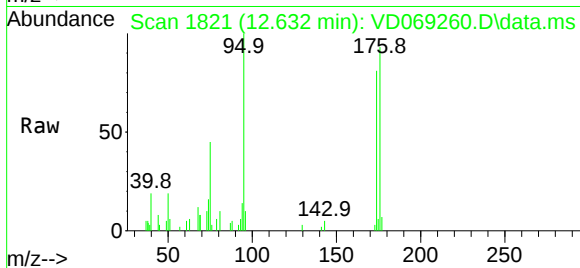




#62
4-Bromofluorobenzene
Concen: 48.61 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

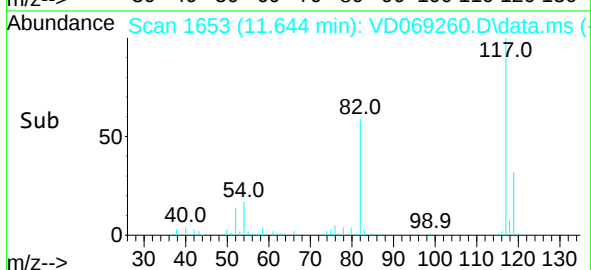
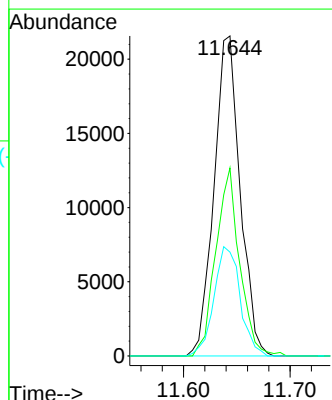
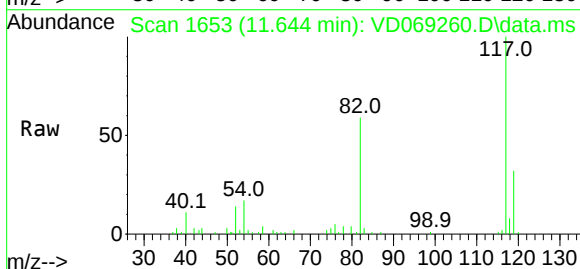
Instrument :
MSVOA_D
ClientSampleId :
72-11986

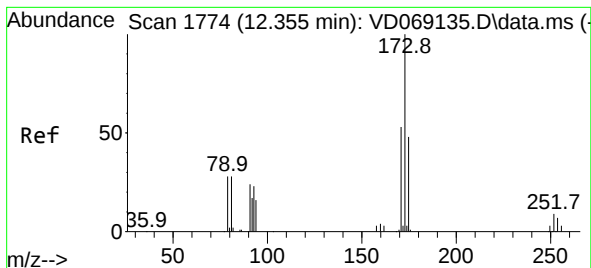
Tgt Ion:	95	Resp:	12867
Ion Ratio	Lower	Upper	
95	100		
174	92.3	0.0	171.8
176	86.3	0.0	165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

Tgt Ion:	117	Resp:	36747
Ion Ratio	Lower	Upper	
117	100		
82	58.7	40.5	60.7
119	32.4	24.2	36.4

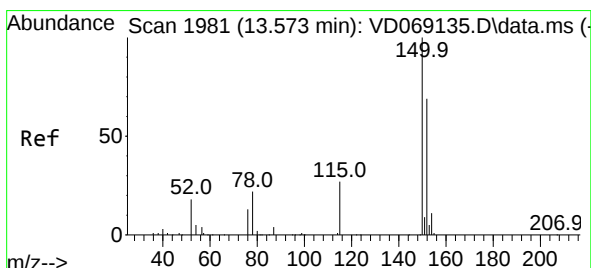
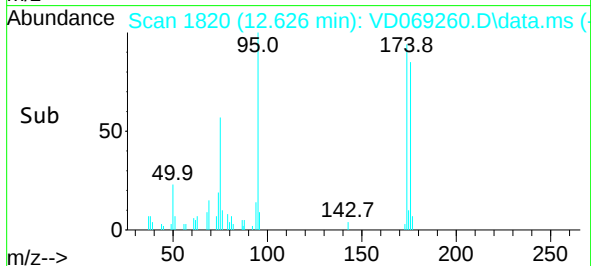
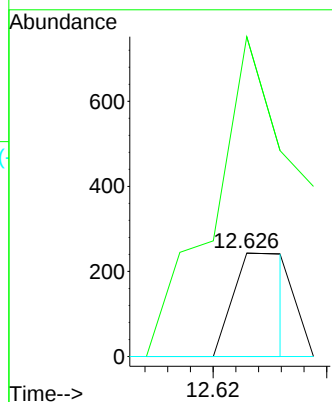
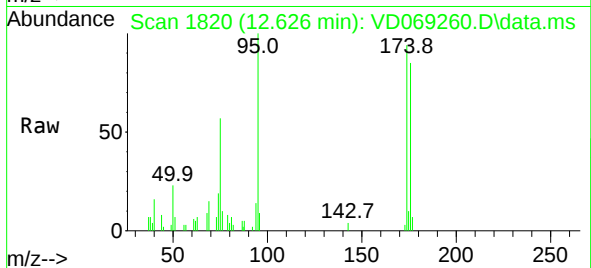




#71
Bromoform
Concen: 1.14 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

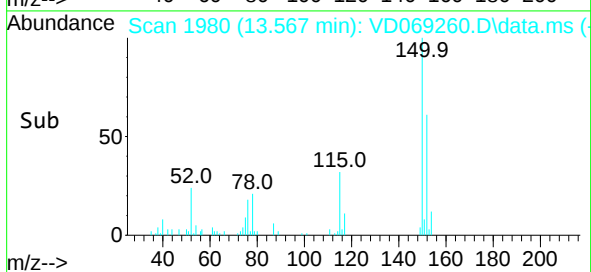
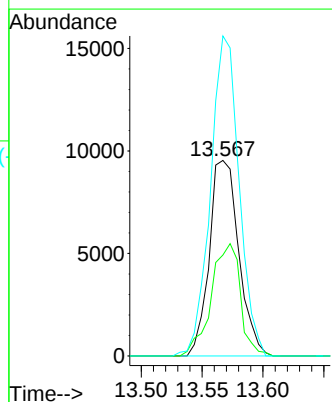
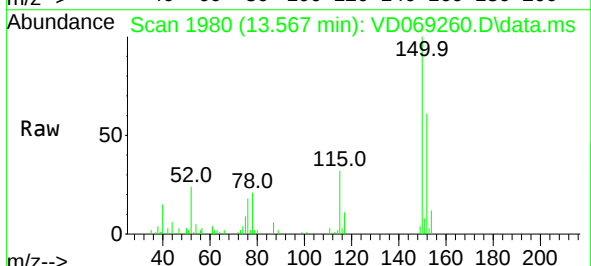
Instrument :
MSVOA_D
ClientSampleId :
72-11986

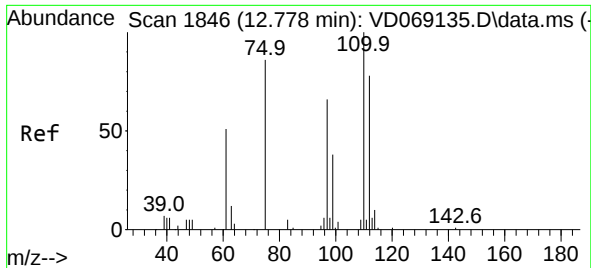
Tgt Ion:173 Resp: 171
Ion Ratio Lower Upper
173 100
175 361.4 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.005 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

Tgt Ion:152 Resp: 16056
Ion Ratio Lower Upper
152 100
115 56.9 29.9 89.8
150 158.7 0.0 350.2

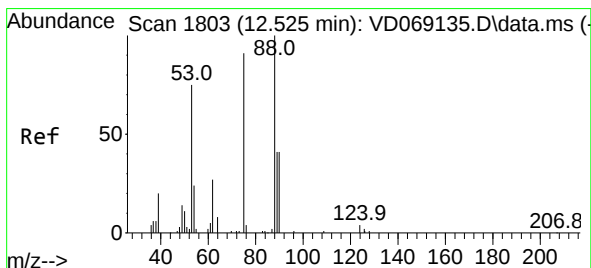
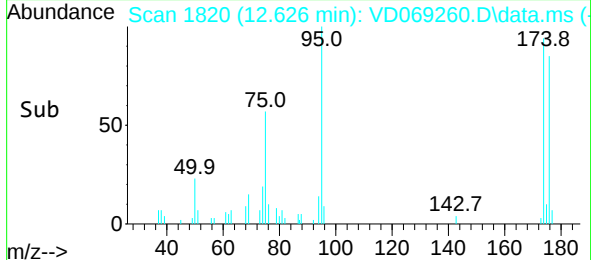
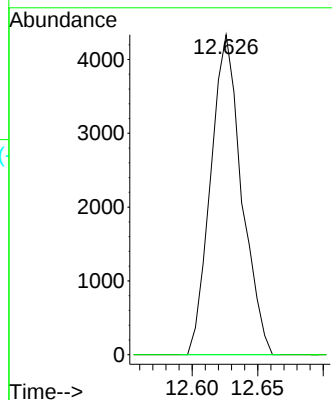
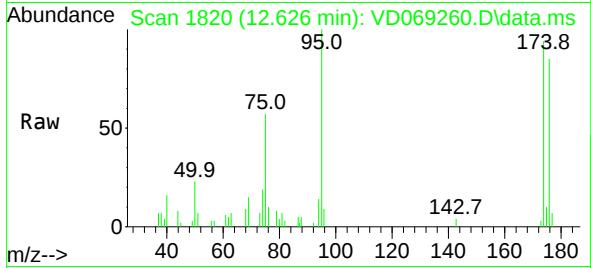




#76
1,2,3-Trichloropropane
Concen: 59.10 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

Instrument :
MSVOA_D
ClientSampleId :
72-11986

Tgt Ion: 75 Resp: 7133
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 119.38 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069260.D
Acq: 24 May 2021 17:16

Tgt Ion: 75 Resp: 7133
Ion Ratio Lower Upper
75 100
53 0.0 70.0 105.0#
89 0.0 40.2 60.2#

