

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050621\
 Data File : VD069089.D
 Acq On : 06 May 2021 21:52
 Operator : VA/SY
 Sample : M2279-05
 Misc : 5.91G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 07 01:13:34 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)

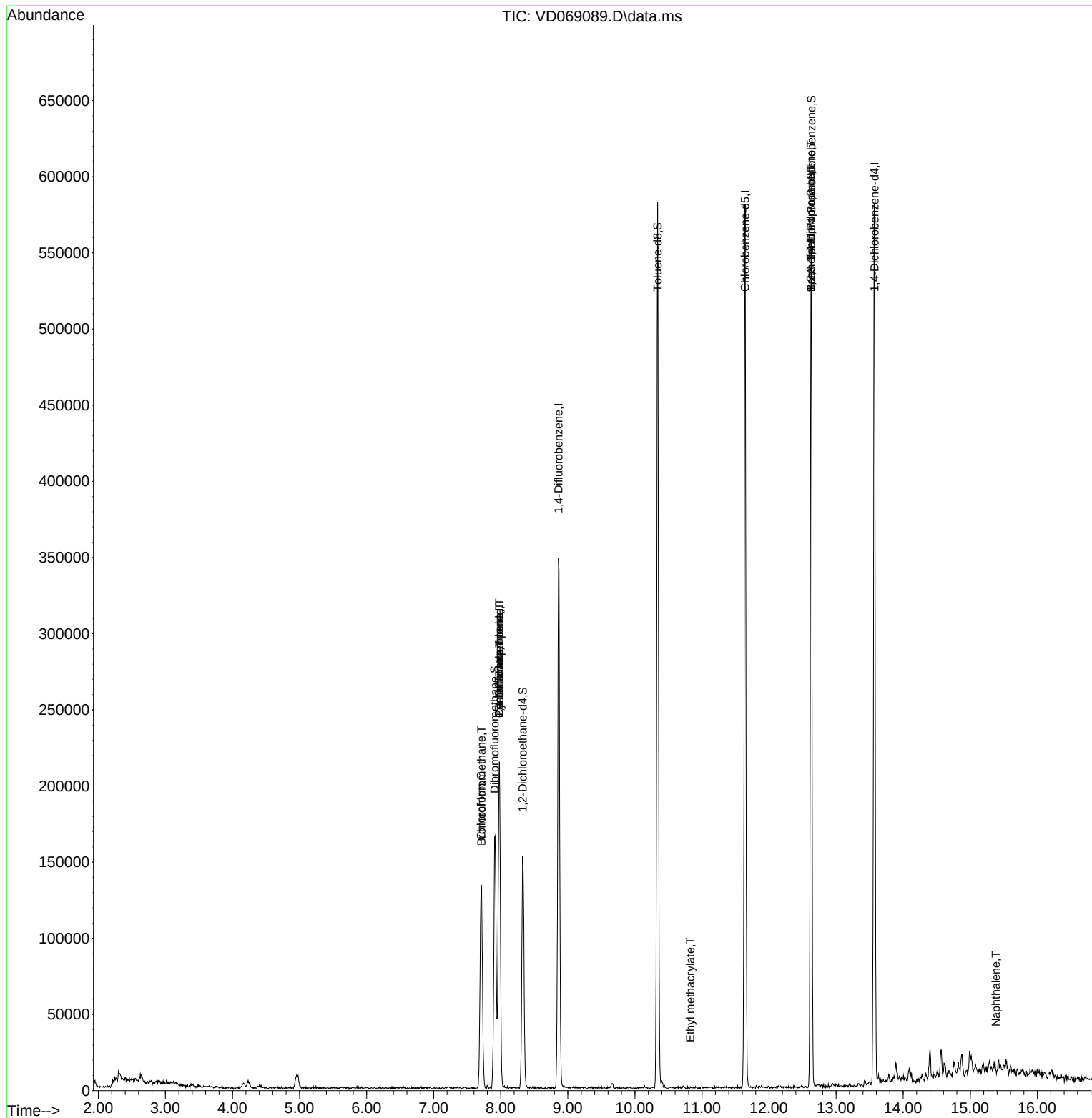
Internal Standards						
1) Pentafluorobenzene	7.979	168	159162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	306144	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	337755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	159934	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	121933	59.44	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.88%
35) Dibromofluoromethane	7.908	113	118778	56.58	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.16%
50) Toluene-d8	10.338	98	396685	51.18	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.36%
62) 4-Bromofluorobenzene	12.632	95	148578	58.28	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	116.56%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.226	59	136	Below Cal	#	81
16) Acetone	4.162	43	5307	Below Cal	#	81
20) Methylene Chloride	4.956	84	4218	Below Cal	#	75
28) Bromochloromethane	7.714	49	9408	6.88	ug/l #	11
30) Chloroform	7.708	83	132866	35.06	ug/l	92
31) Cyclohexane	7.979	56	3639	1.22	ug/l #	6
36) 1,1-Dichloropropene	7.979	75	13171	4.09	ug/l #	51
38) Carbon Tetrachloride	7.979	117	16697	4.78	ug/l #	18
56) Ethyl methacrylate	10.826	69	68	2.40	ug/l #	1
71) Bromoform	12.626	173	1927	1.44	ug/l #	29
76) 1,2,3-Trichloropropane	12.626	75	76503	54.95	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	76503	119.56	ug/l #	10
95) Naphthalene	15.384	128	379	2.90	ug/l #	69

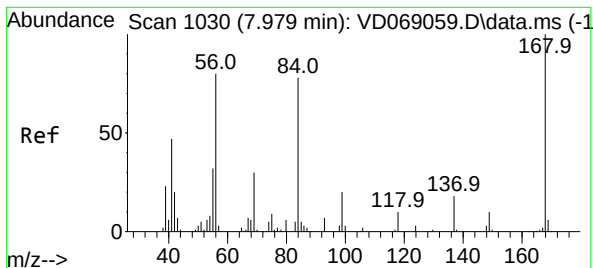
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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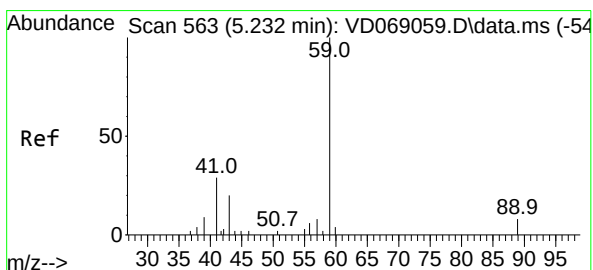
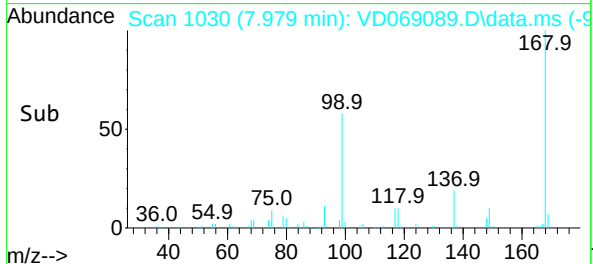
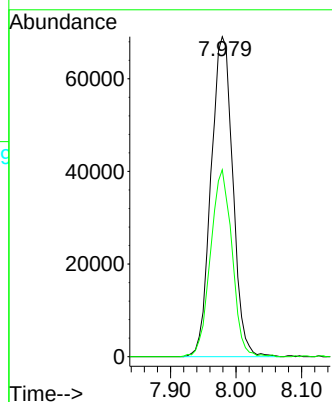
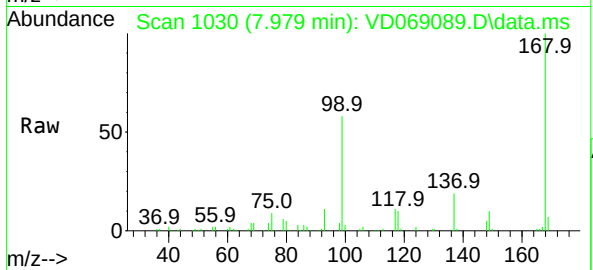




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

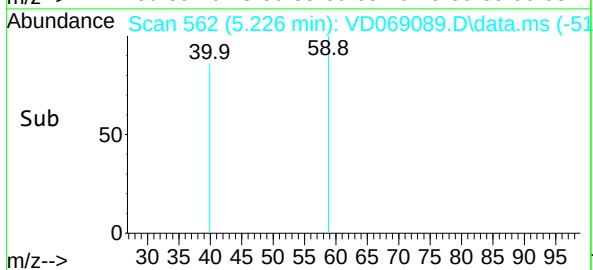
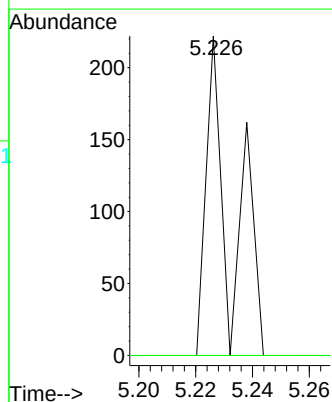
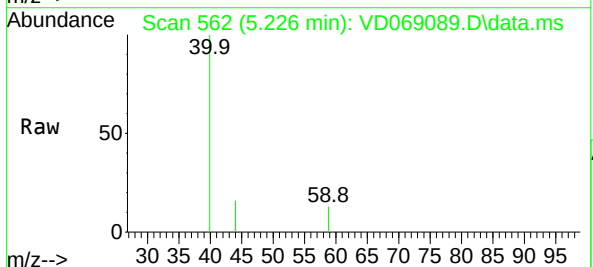
Instrument :
MSVOA_D
ClientSampleId :

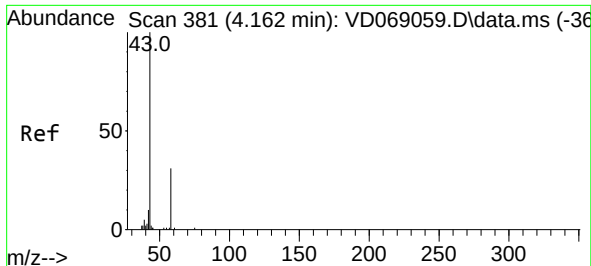
Tgt Ion:168 Resp: 159162
Ion Ratio Lower Upper
168 100
99 58.4 52.6 78.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. -0.006 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

Tgt Ion: 59 Resp: 136
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#

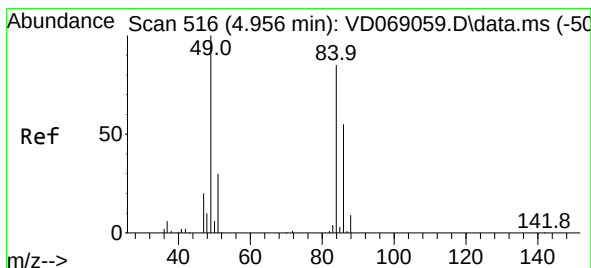
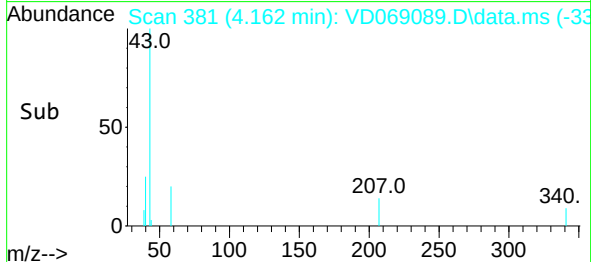
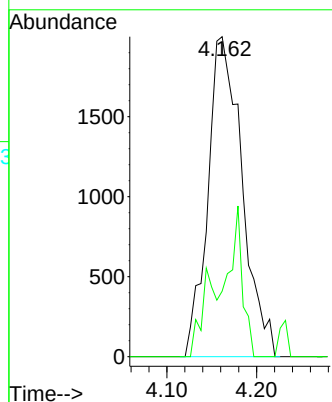
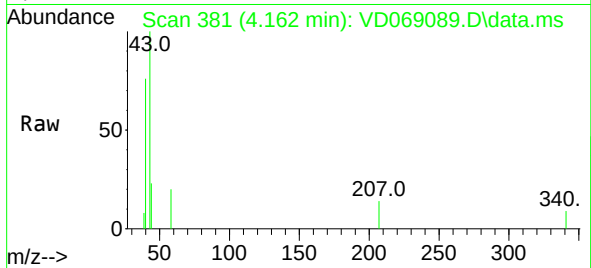




#16
Acetone
Concen: Below Cal
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

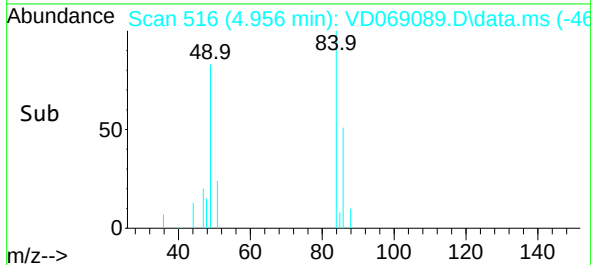
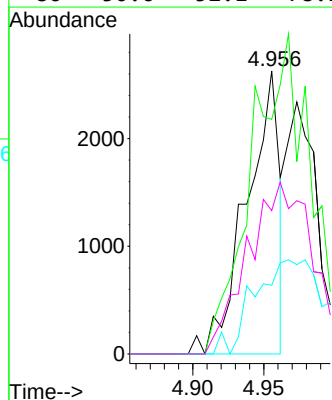
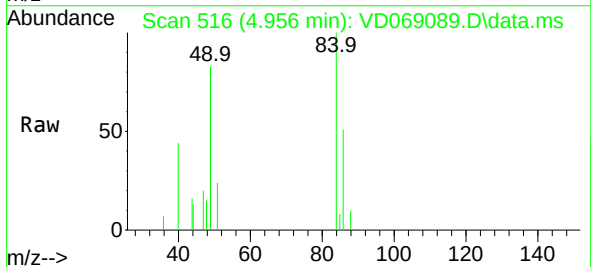
Instrument :
MSVOA_D
ClientSampled :

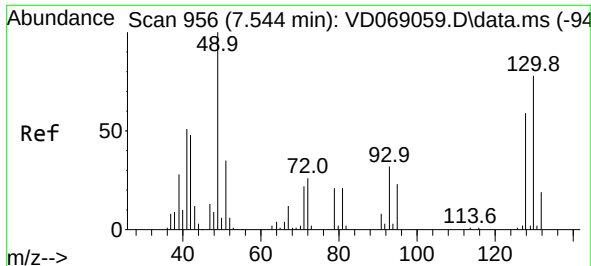
Tgt Ion: 43 Resp: 5307
Ion Ratio Lower Upper
43 100
58 20.5 24.5 36.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

Tgt Ion: 84 Resp: 4218
Ion Ratio Lower Upper
84 100
49 82.9 93.9 140.9#
51 24.3 27.9 41.9#
86 50.6 52.1 78.1#

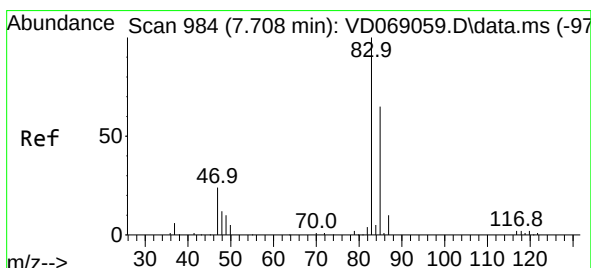
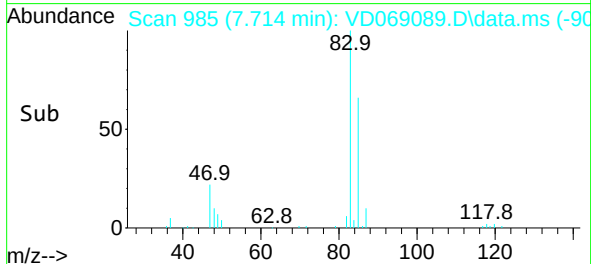
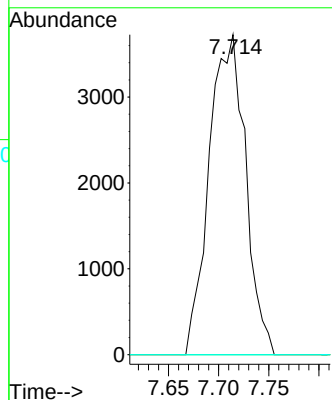
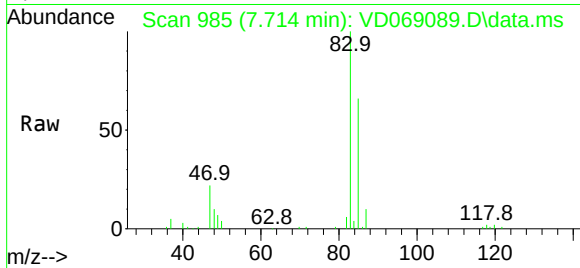




#28
Bromochloromethane
Concen: 6.88 ug/l
RT: 7.714 min Scan# 985
Delta R.T. 0.170 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

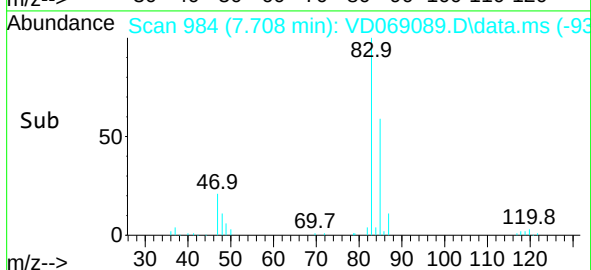
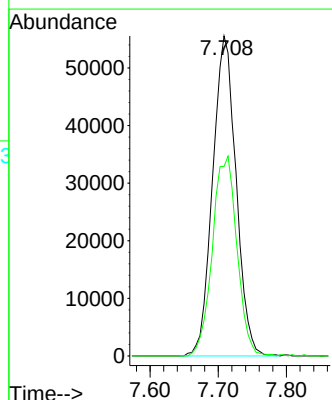
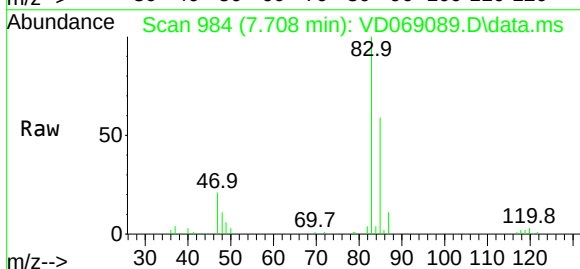
Instrument :
MSVOA_D
ClientSampled :

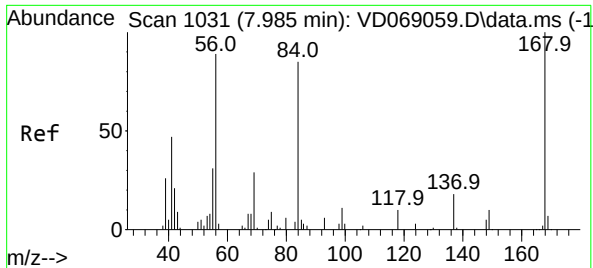
Tgt Ion: 49 Resp: 9408
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.2
130 0.0 64.9 97.3#



#30
Chloroform
Concen: 35.06 ug/l
RT: 7.708 min Scan# 984
Delta R.T. -0.000 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

Tgt Ion: 83 Resp: 132866
Ion Ratio Lower Upper
83 100
85 59.3 52.4 78.6

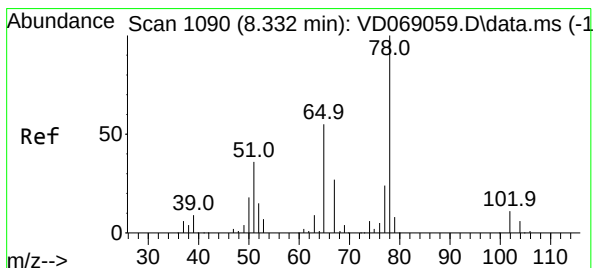
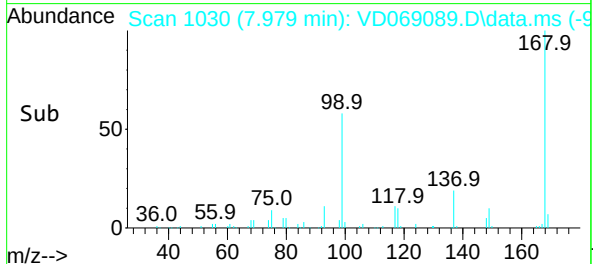
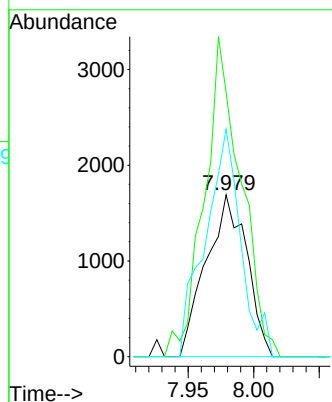
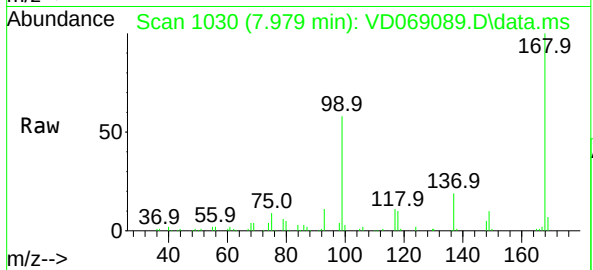




#31
Cyclohexane
Concen: 1.22 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

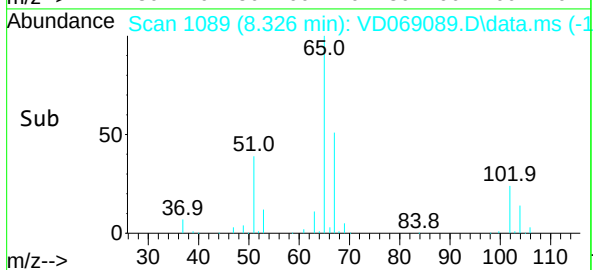
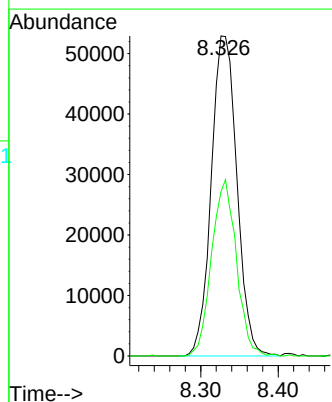
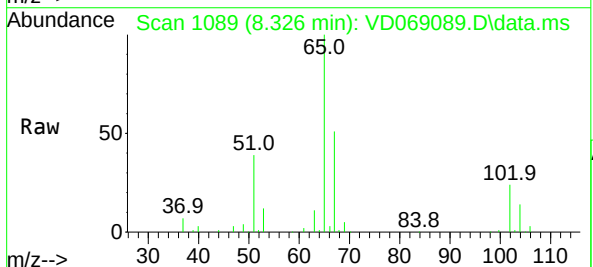
Instrument :
MSVOA_D
ClientSampleId :

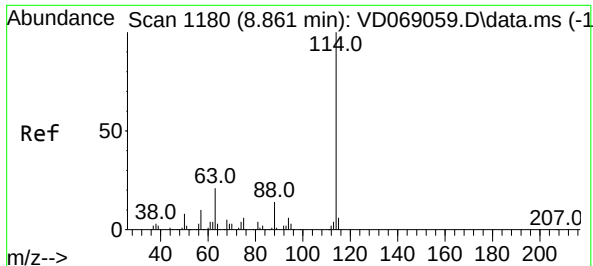
Tgt Ion: 56 Resp: 3639
Ion Ratio Lower Upper
56 100
69 163.1 26.3 39.5#
84 140.6 75.9 113.9#



#33
1,2-Dichloroethane-d4
Concen: 59.44 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

Tgt Ion: 65 Resp: 121933
Ion Ratio Lower Upper
65 100
67 53.3 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: VD069089.D

Acq: 06 May 2021 21:52

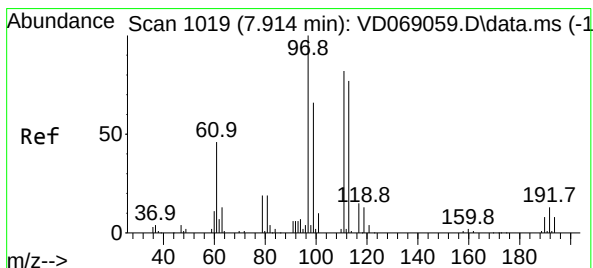
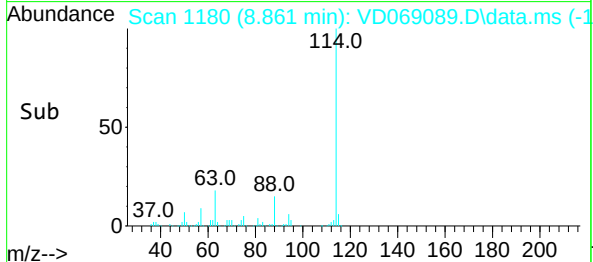
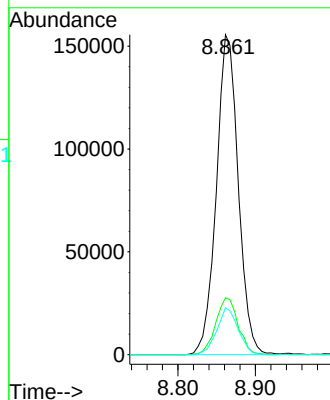
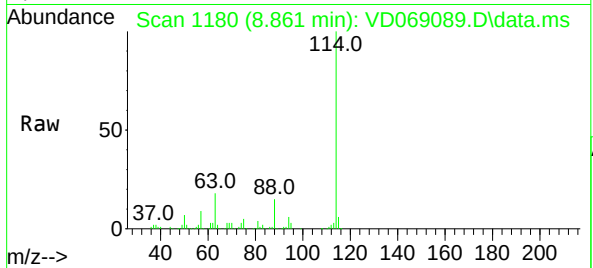
Tgt Ion:114 Resp: 306144

Ion Ratio Lower Upper

114 100

63 17.8 0.0 41.4

88 14.6 0.0 27.8



#35

Dibromofluoromethane

Concen: 56.58 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD069089.D

Acq: 06 May 2021 21:52

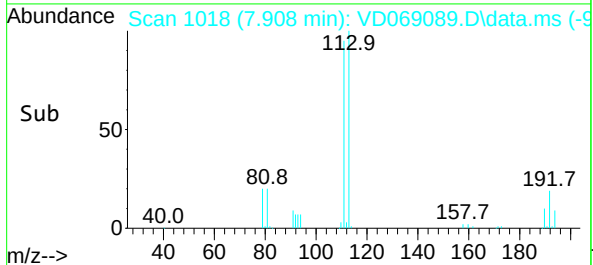
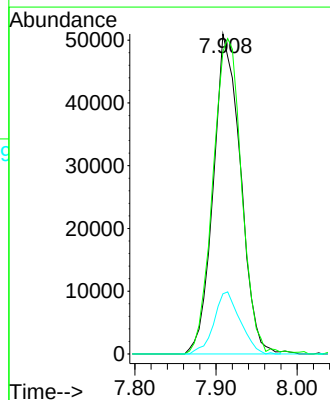
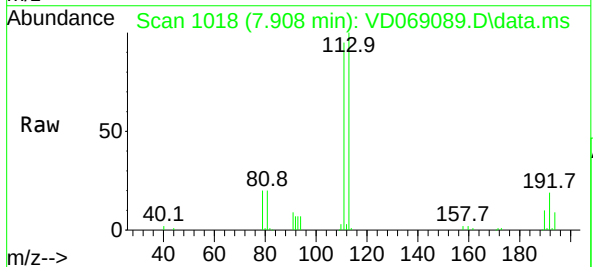
Tgt Ion:113 Resp: 118778

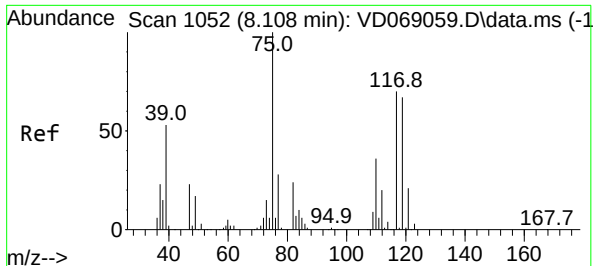
Ion Ratio Lower Upper

113 100

111 104.1 84.6 126.8

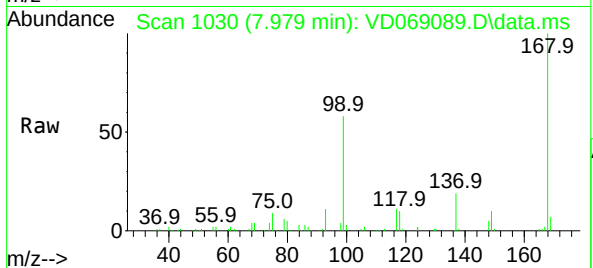
192 18.7 13.5 20.3



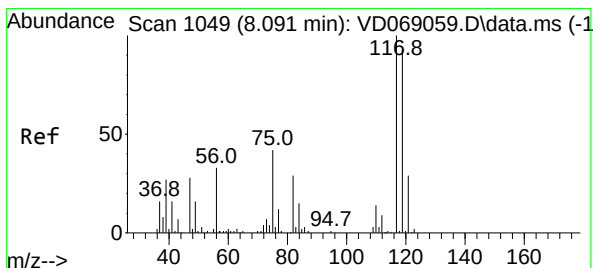
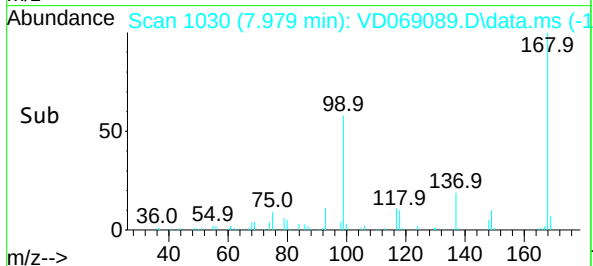
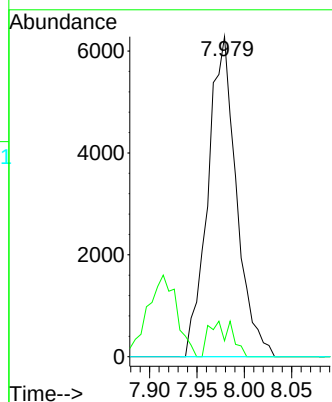


#36
1,1-Dichloropropene
Concen: 4.09 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

Instrument :
MSVOA_D
ClientSampled :

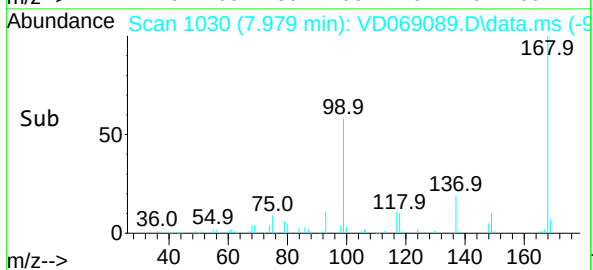
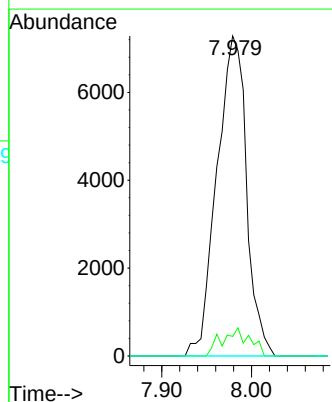
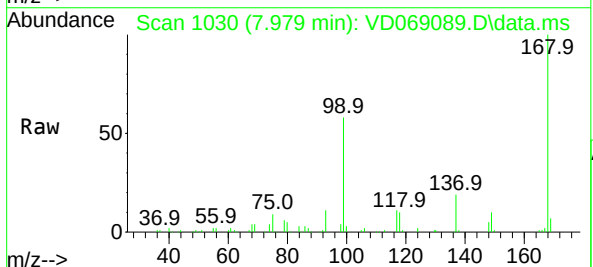


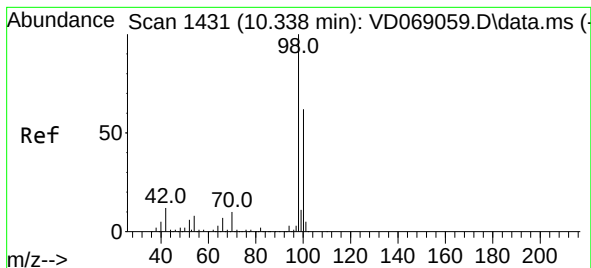
Tgt Ion: 75 Resp: 13171
Ion Ratio Lower Upper
75 100
110 8.9 17.3 51.7#
77 0.0 23.9 35.9#



#38
Carbon Tetrachloride
Concen: 4.78 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

Tgt Ion: 117 Resp: 16697
Ion Ratio Lower Upper
117 100
119 6.1 74.7 112.1#
121 0.0 23.1 34.7#

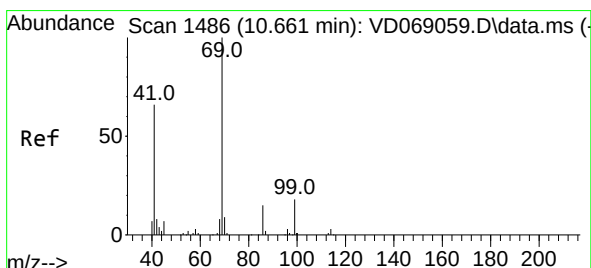
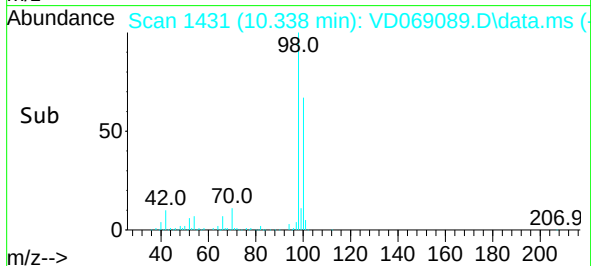
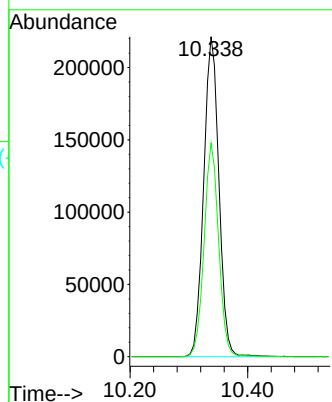
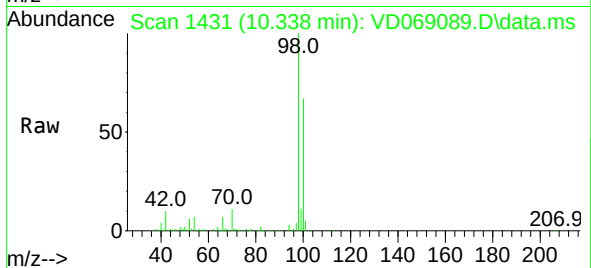




#50
Toluene-d8
Concen: 51.18 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

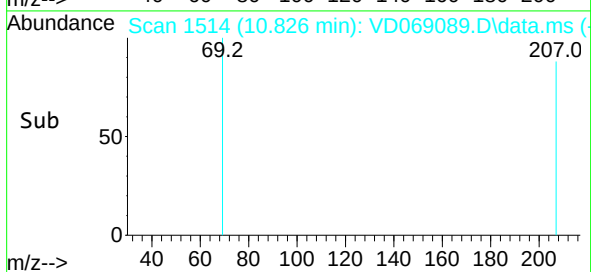
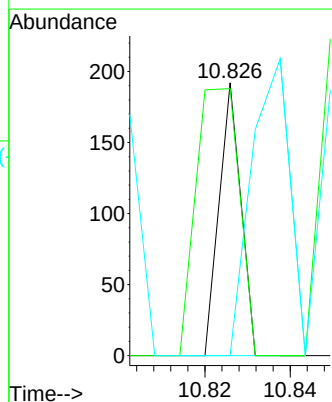
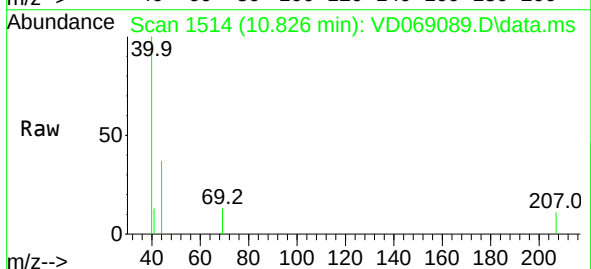
Instrument :
MSVOA_D
ClientSampled :

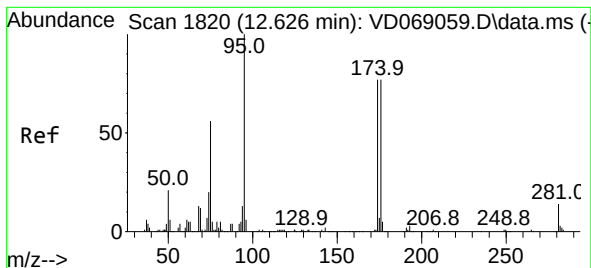
Tgt Ion: 98 Resp: 396685
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#56
Ethyl methacrylate
Concen: 2.40 ug/l
RT: 10.826 min Scan# 1514
Delta R.T. 0.165 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

Tgt Ion: 69 Resp: 68
Ion Ratio Lower Upper
69 100
41 194.1 49.2 73.8#
39 288.2 29.8 44.6#

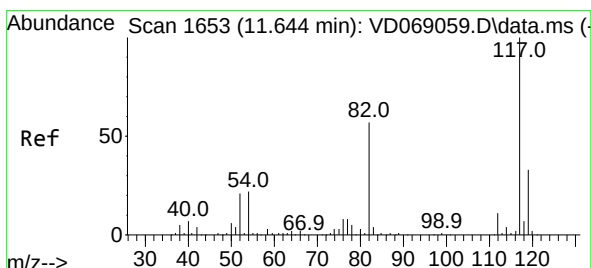
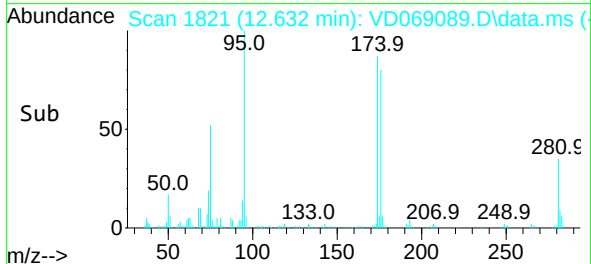
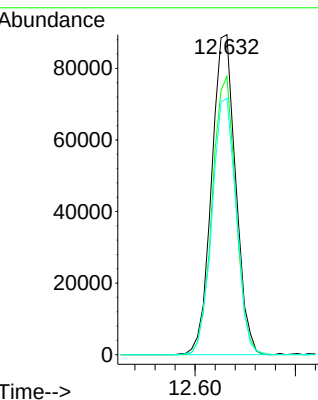
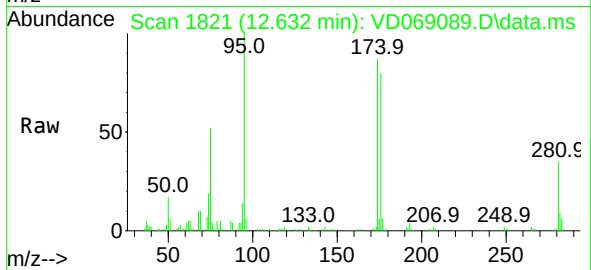




#62
4-Bromofluorobenzene
Concen: 58.28 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

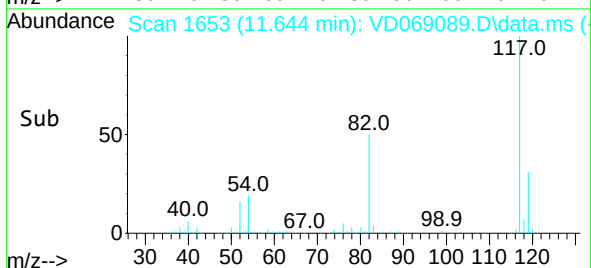
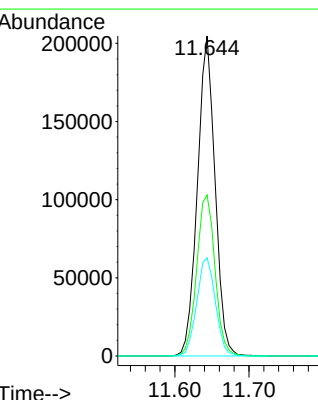
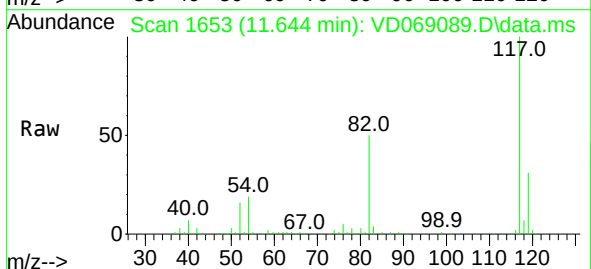
Instrument :
MSVOA_D
ClientSampleId :

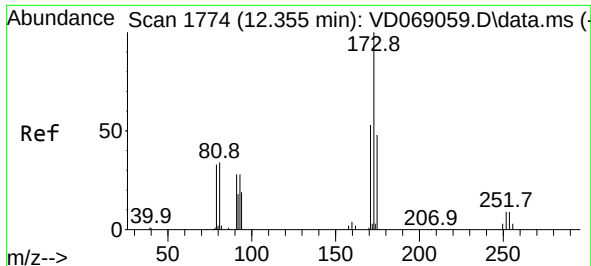
Tgt Ion: 95 Resp: 148578
Ion Ratio Lower Upper
95 100
174 84.7 0.0 156.0
176 80.8 0.0 149.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

Tgt Ion: 117 Resp: 337755
Ion Ratio Lower Upper
117 100
82 50.3 45.4 68.2
119 30.7 26.8 40.2

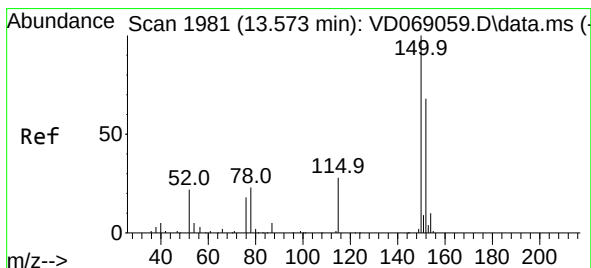
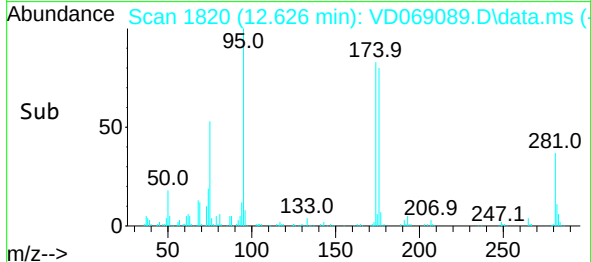
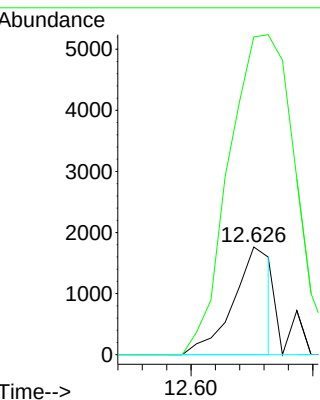
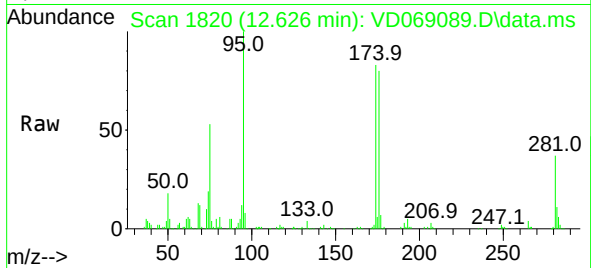




#71
Bromoform
Concen: 1.44 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

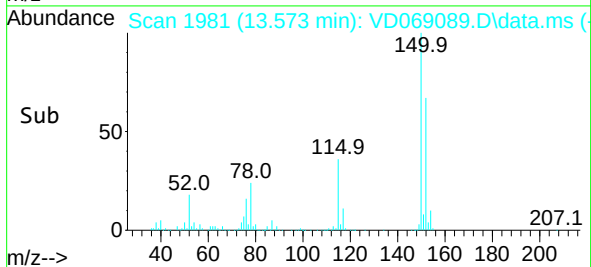
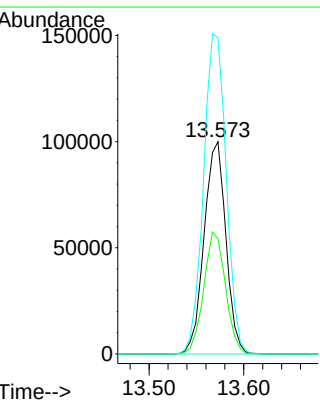
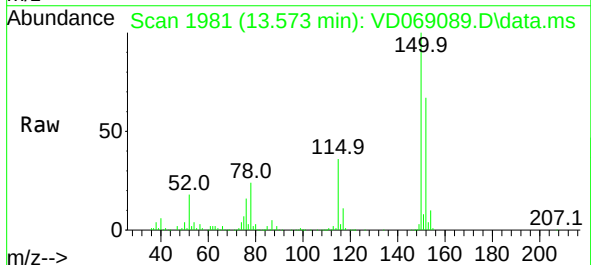
Instrument :
MSVOA_D
ClientSampleId :

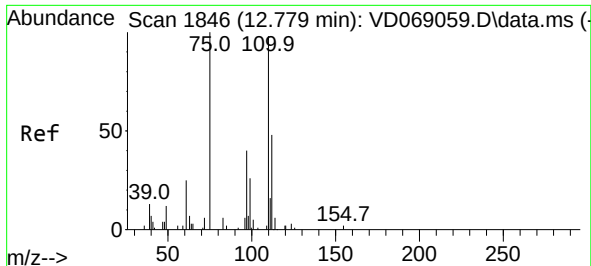
Tgt Ion:173 Resp: 1927
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

Tgt Ion:152 Resp: 159934
Ion Ratio Lower Upper
152 100
115 57.4 30.5 91.5
150 157.1 0.0 340.8

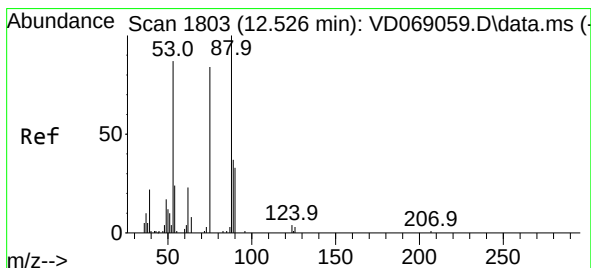
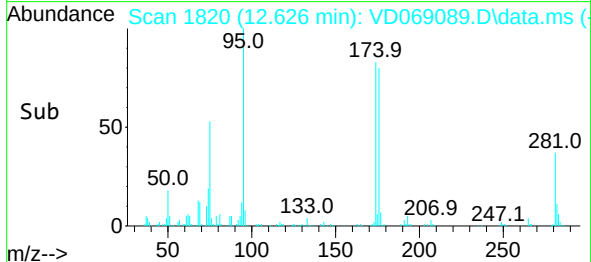
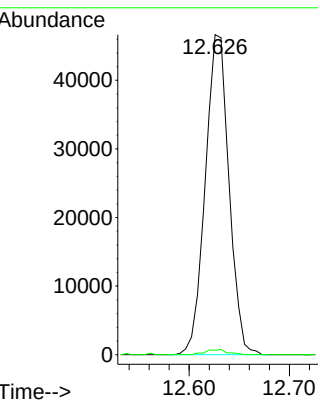
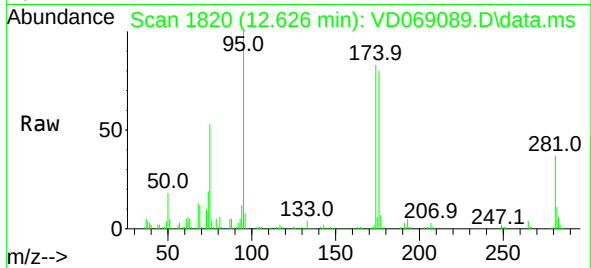




#76
1,2,3-Trichloropropane
Concen: 54.95 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

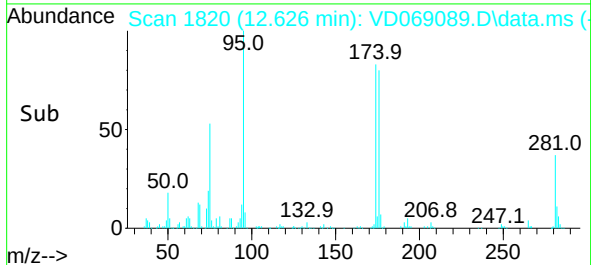
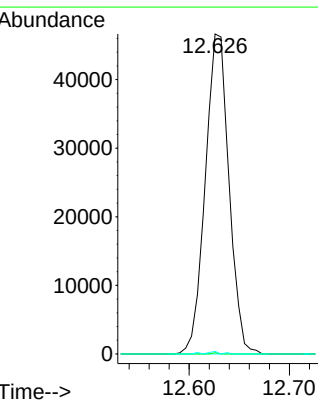
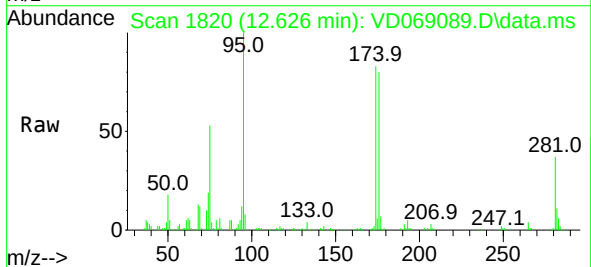
Instrument :
MSVOA_D
ClientSampled :

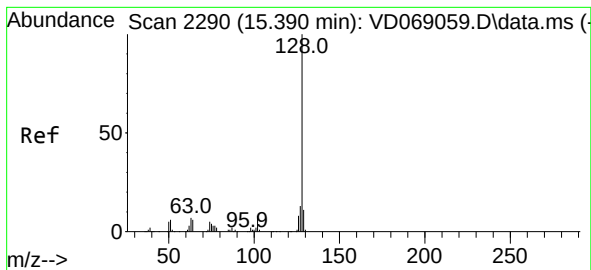
Tgt Ion: 75 Resp: 76503
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.56 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

Tgt Ion: 75 Resp: 76503
Ion Ratio Lower Upper
75 100
53 0.1 80.4 120.6#
89 0.4 37.8 56.8#





#95
Naphthalene
Concen: 2.90 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069089.D
Acq: 06 May 2021 21:52

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 379
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.5 12.7#

