

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051921\
 Data File : VD069199.D
 Acq On : 19 May 2021 16:27
 Operator : VA/SY
 Sample : M2437-07
 Misc : 4.94G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 20 01:02:13 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)

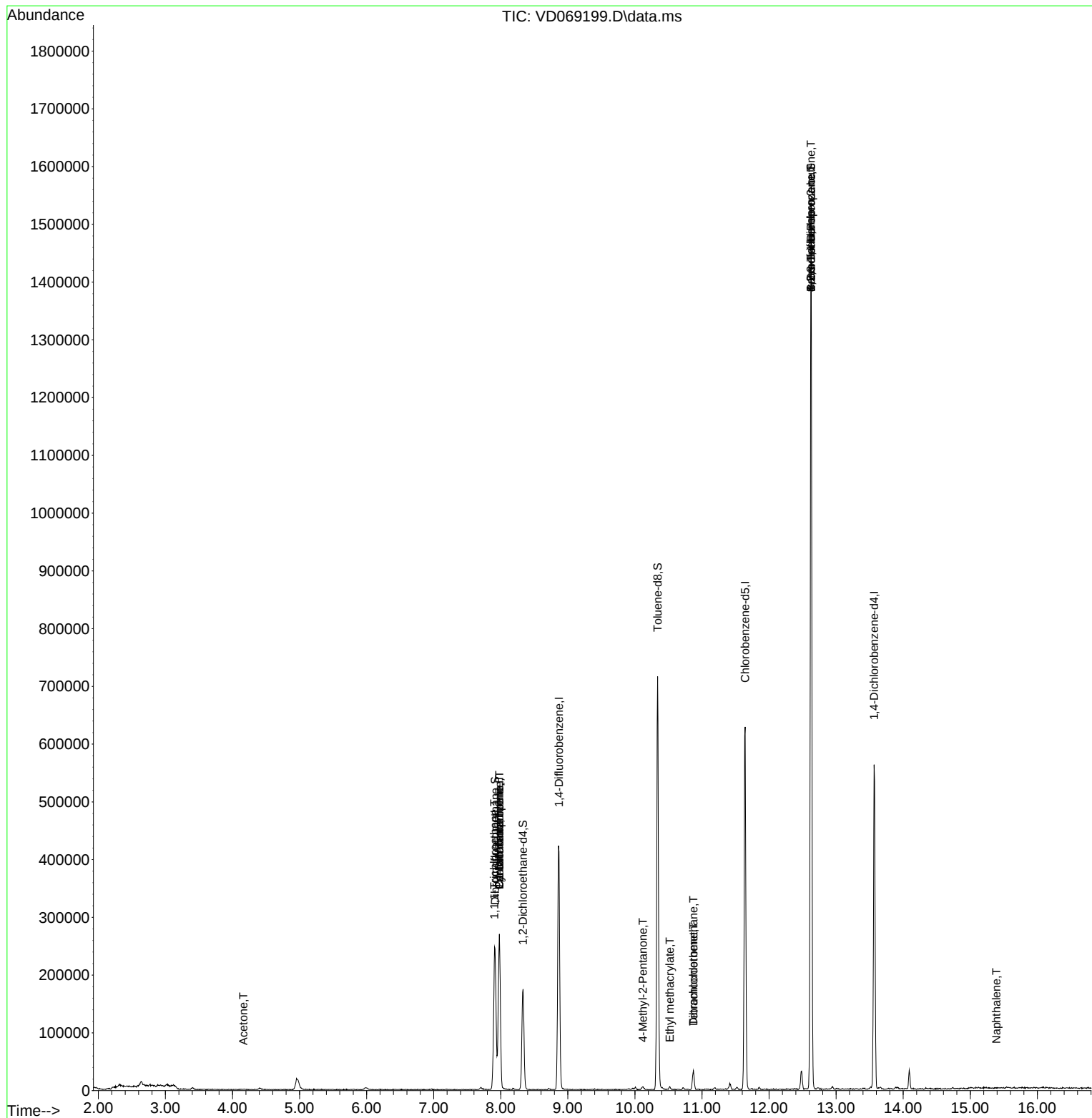
Internal Standards						
1) Pentafluorobenzene	7.979	168	190303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	377649	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	368920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	150910	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	138926	72.82	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 145.64%			
35) Dibromofluoromethane	7.914	113	143215	58.27	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.54%			
50) Toluene-d8	10.338	98	490609	54.33	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.66%			
62) 4-Bromofluorobenzene	12.626	95	171906	59.16	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 118.32%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.214	59	54	Below Cal	#	73
16) Acetone	4.162	43	811	2.78 ug/l	#	41
20) Methylene Chloride	4.967	84	16281	Below Cal		92
31) Cyclohexane	7.979	56	5114	1.81 ug/l	#	44
32) 1,1,1-Trichloroethane	7.903	97	47326	12.86 ug/l		99
36) 1,1-Dichloropropene	7.979	75	17074	4.65 ug/l	#	44
38) Carbon Tetrachloride	7.979	117	20835	5.08 ug/l	#	17
51) 4-Methyl-2-Pentanone	10.120	43	2011	1.82 ug/l	#	32
56) Ethyl methacrylate	10.520	69	54	1.34 ug/l	#	1
60) Dibromochloromethane	10.873	129	5504	2.14 ug/l	#	11
64) Tetrachloroethene	10.873	164	5785	2.26 ug/l	#	84
71) Bromoform	12.626	173	2097	1.40 ug/l	#	1
76) 1,2,3-Trichloropropane	12.626	75	94484	83.29 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.626	75	94484	168.24 ug/l	#	15
95) Naphthalene	15.390	128	251	2.09 ug/l	#	69

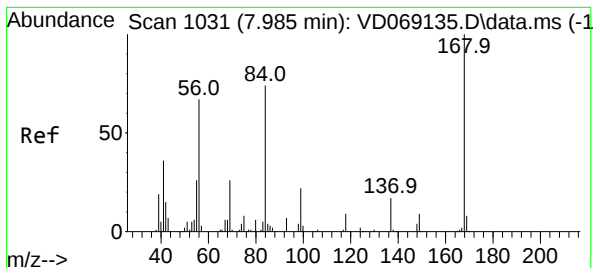
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : VA/SY
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Quant Time: May 20 01:02:13 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

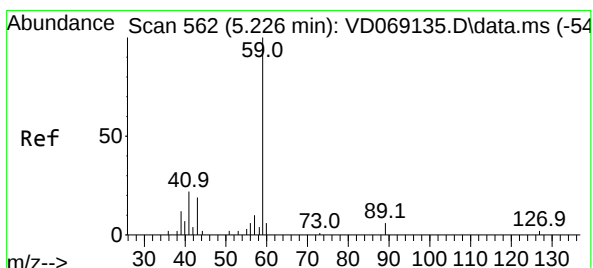
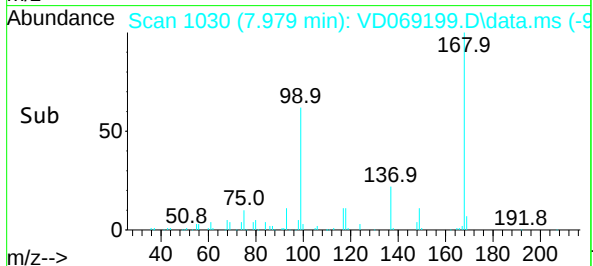
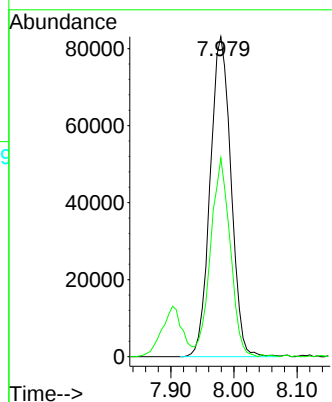
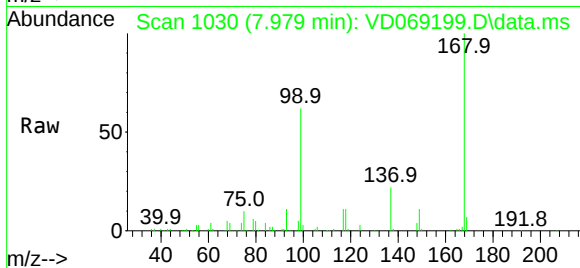




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

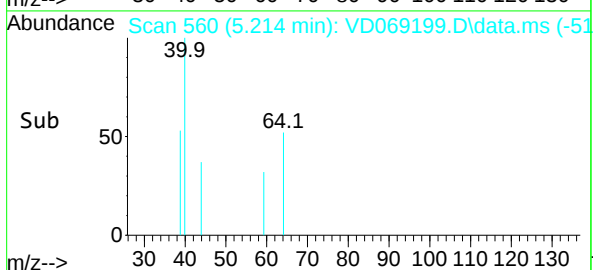
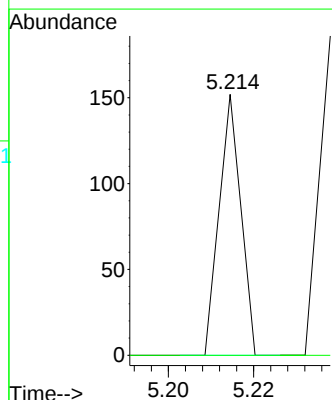
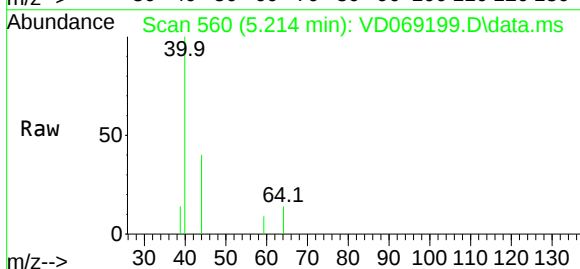
Instrument :
MSVOA_D
ClientSampleId :

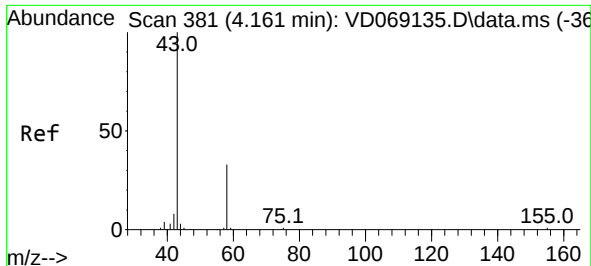
Tgt Ion:168 Resp: 190303
Ion Ratio Lower Upper
168 100
99 62.1 47.2 70.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

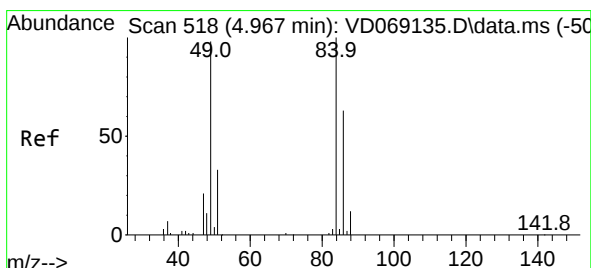
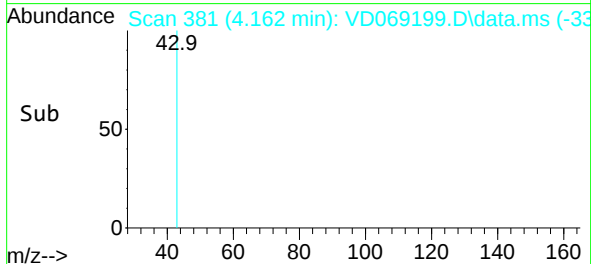
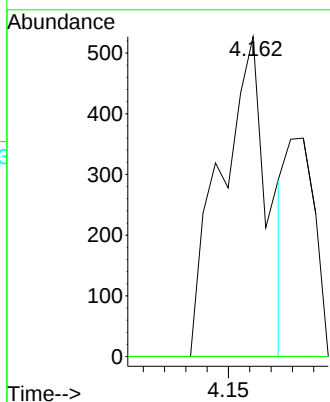
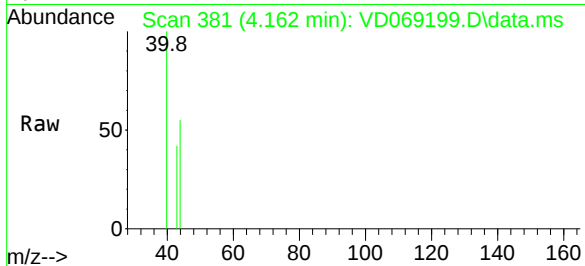




#16
Acetone
Concen: 2.78 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

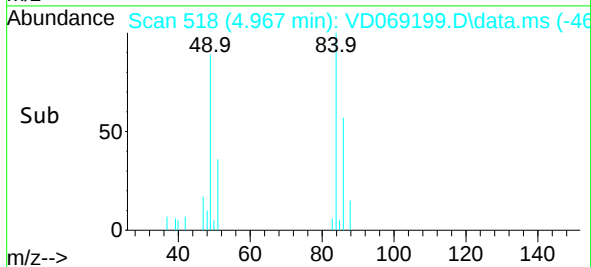
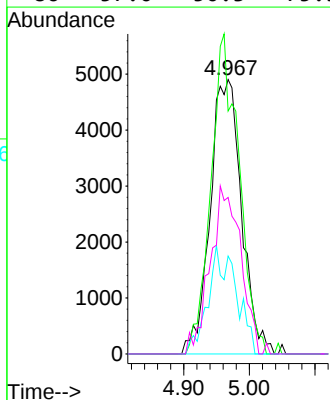
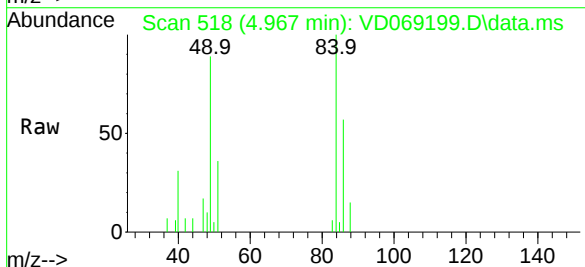
Instrument :
MSVOA_D
ClientSampled :

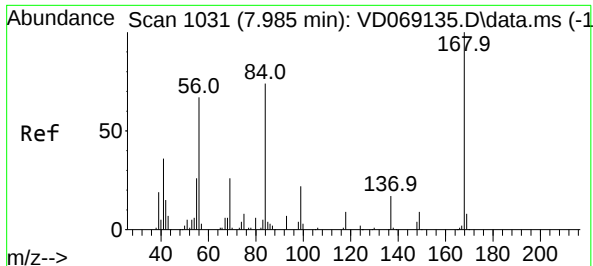
Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

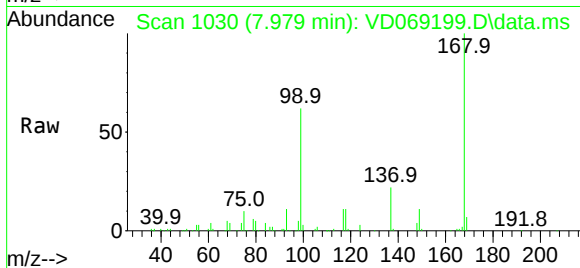
Tgt Ion: 84 Resp: 16281
Ion Ratio Lower Upper
84 100
49 88.5 78.6 117.8
51 35.7 26.7 40.1
86 57.0 50.3 75.5



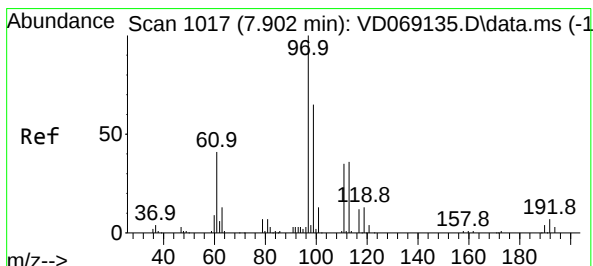
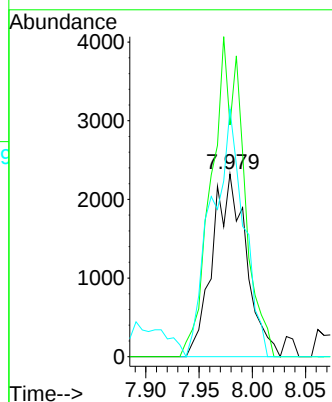
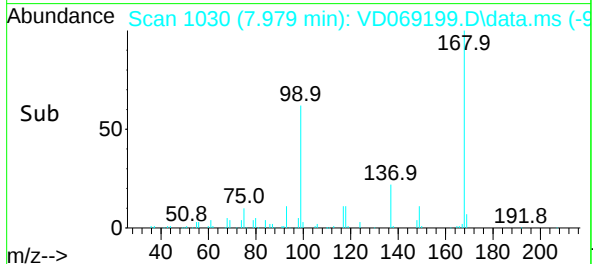


#31
Cyclohexane
Concen: 1.81 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

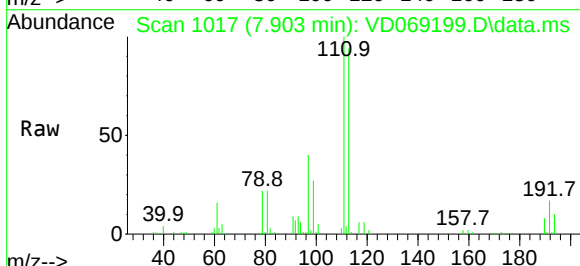
Instrument :
MSVOA_D
ClientSampleId :



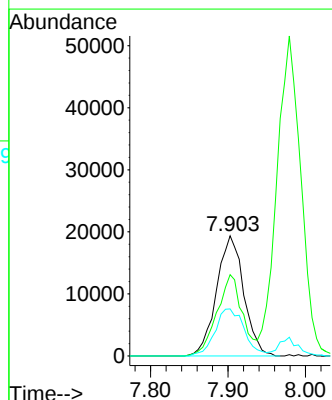
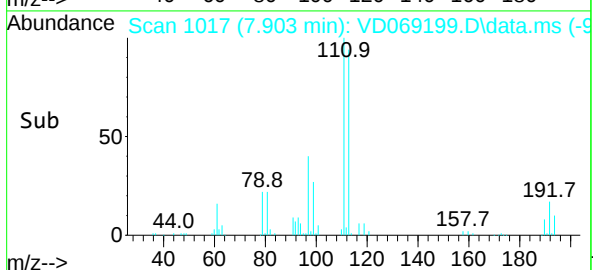
Tgt Ion: 56 Resp: 5114
Ion Ratio Lower Upper
56 100
69 126.8 30.6 46.0#
84 135.5 88.0 132.0#

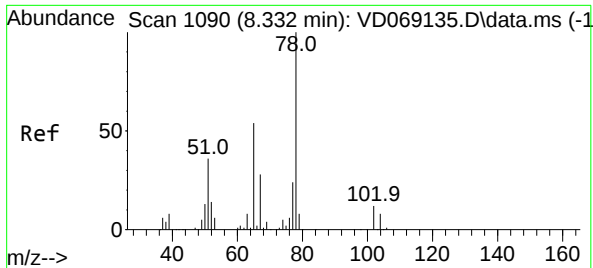


#32
1,1,1-Trichloroethane
Concen: 12.86 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. 0.000 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27



Tgt Ion: 97 Resp: 47326
Ion Ratio Lower Upper
97 100
99 63.9 51.5 77.3
61 42.0 32.5 48.7

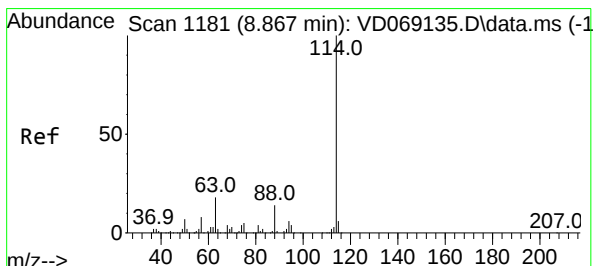
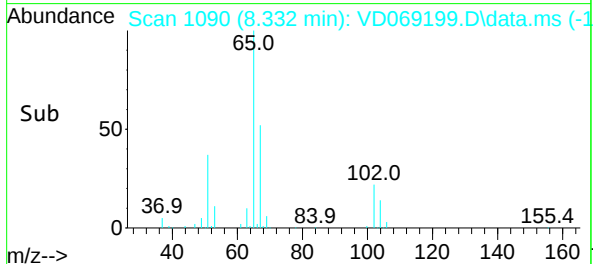
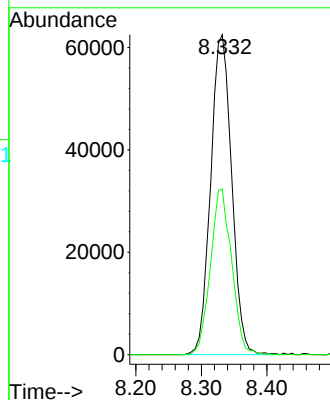
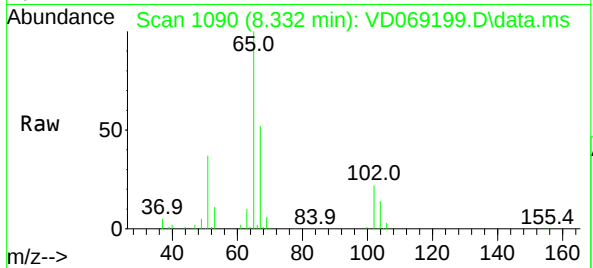




#33
1,2-Dichloroethane-d4
Concen: 72.82 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

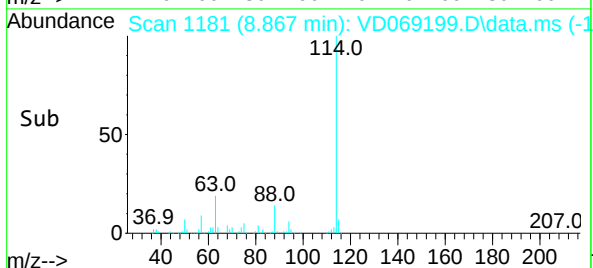
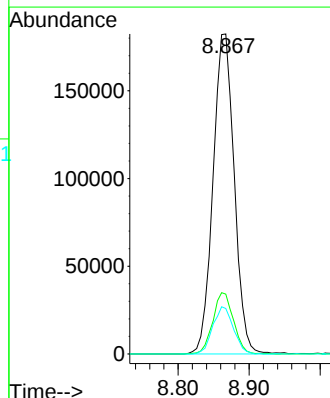
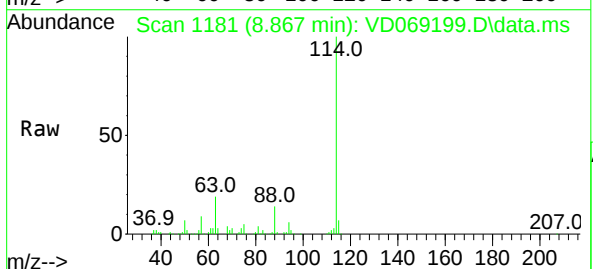
Instrument :
MSVOA_D
ClientSampleId :

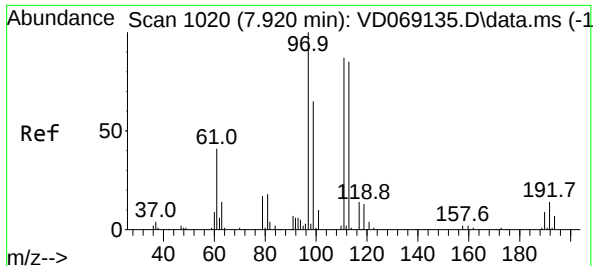
Tgt Ion: 65 Resp: 138926
Ion Ratio Lower Upper
65 100
67 52.3 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

Tgt Ion: 114 Resp: 377649
Ion Ratio Lower Upper
114 100
63 18.7 0.0 36.4
88 14.2 0.0 28.2





#35

Dibromofluoromethane

Concen: 58.27 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD069199.D

Acq: 19 May 2021 16:27

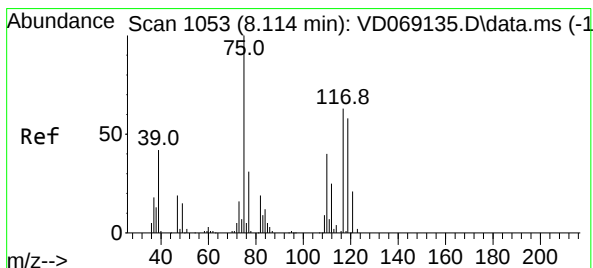
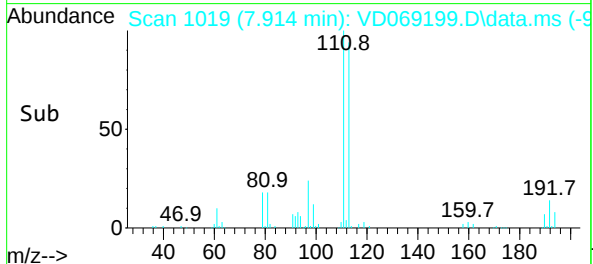
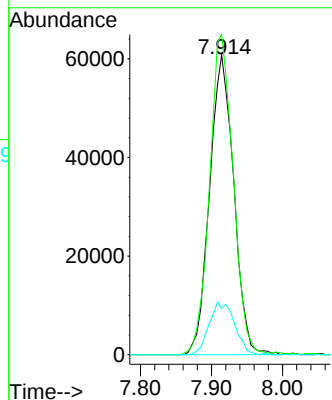
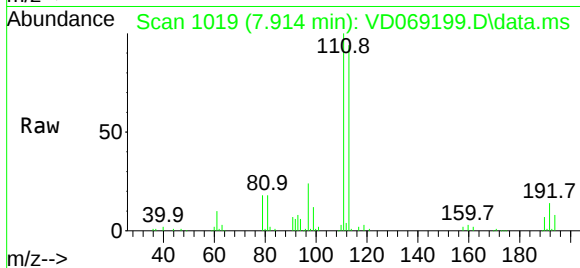
Tgt Ion:113 Resp: 143215

Ion Ratio Lower Upper

113 100

111 105.0 80.6 120.8

192 18.4 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.65 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD069199.D

Acq: 19 May 2021 16:27

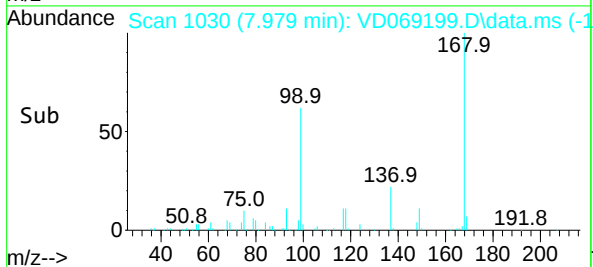
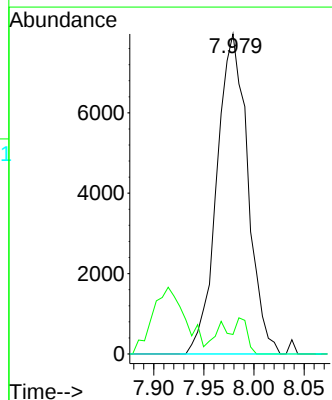
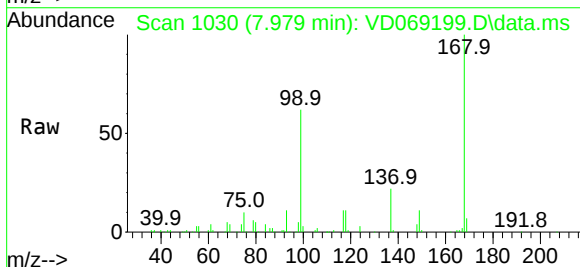
Tgt Ion: 75 Resp: 17074

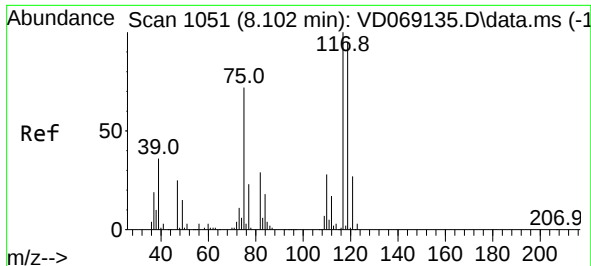
Ion Ratio Lower Upper

75 100

110 4.0 18.8 56.4#

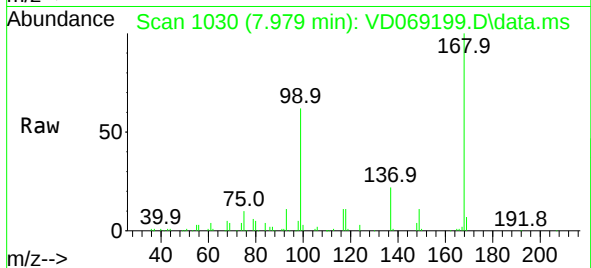
77 0.0 25.2 37.8#



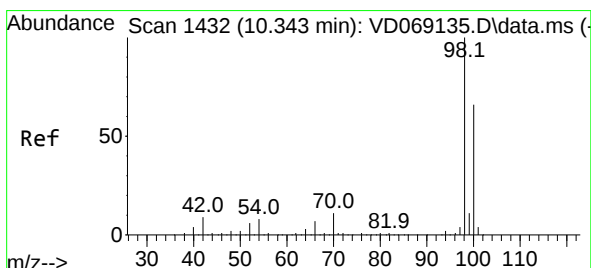
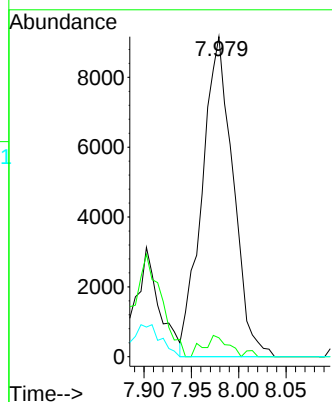
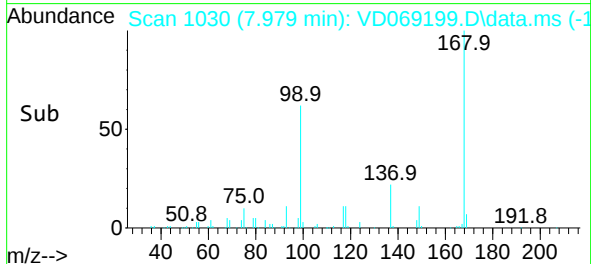


#38
Carbon Tetrachloride
Concen: 5.08 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

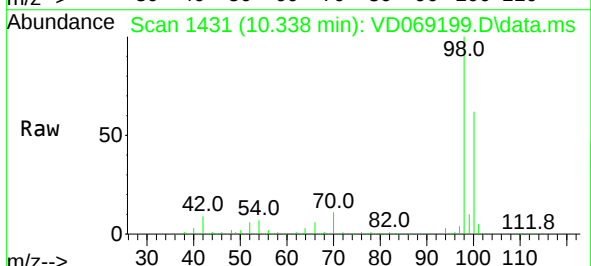
Instrument :
MSVOA_D
ClientSampleId :



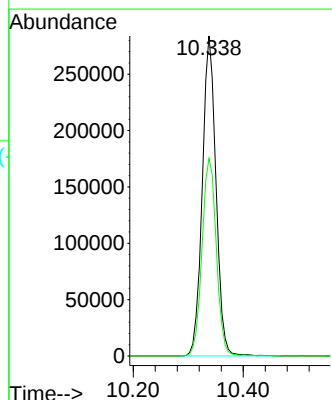
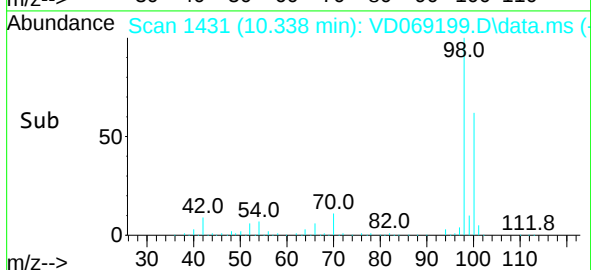
Tgt Ion:117 Resp: 20835
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.2#
121 0.0 21.9 32.9#

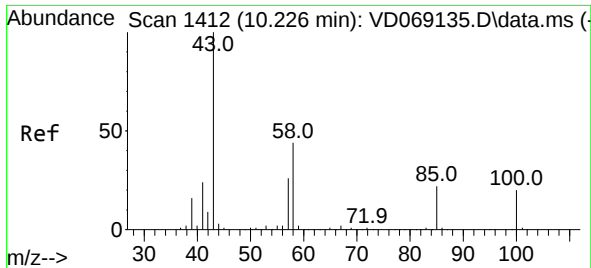


#50
Toluene-d8
Concen: 54.33 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27



Tgt Ion: 98 Resp: 490609
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8

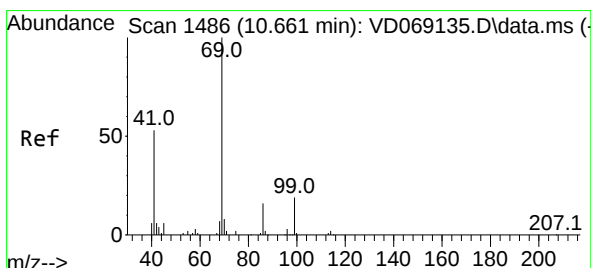
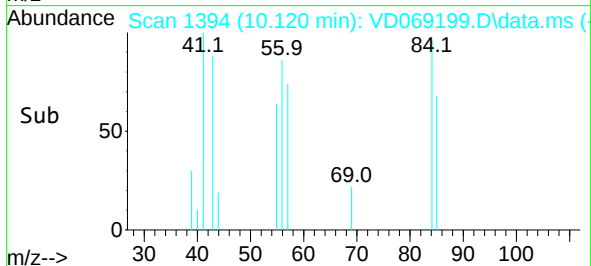
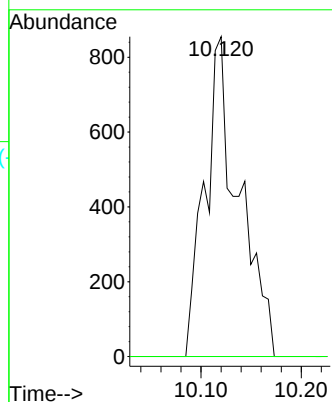
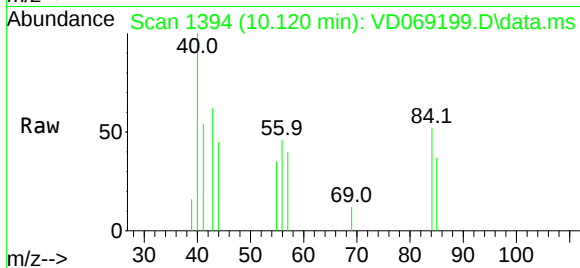




#51
4-Methyl-2-Pentanone
Concen: 1.82 ug/l
RT: 10.120 min Scan# 1394
Delta R.T. -0.106 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

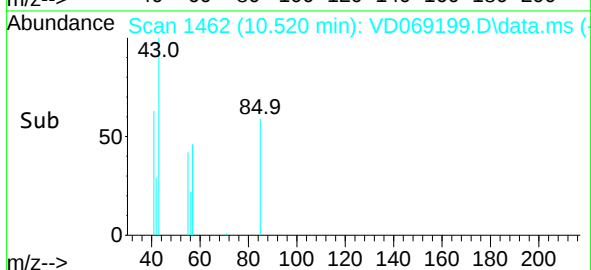
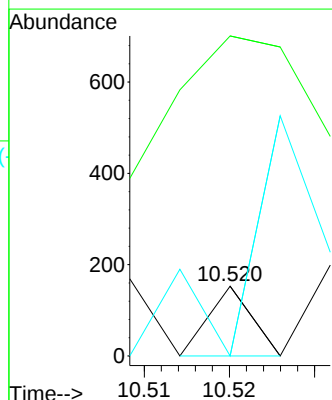
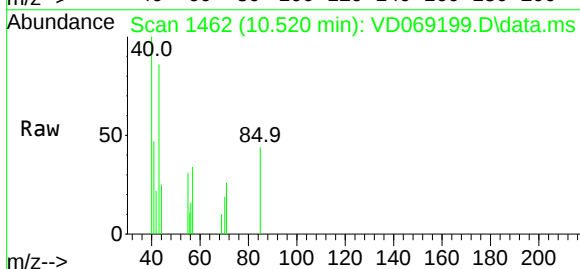
Instrument :
MSVOA_D
ClientSampleId :

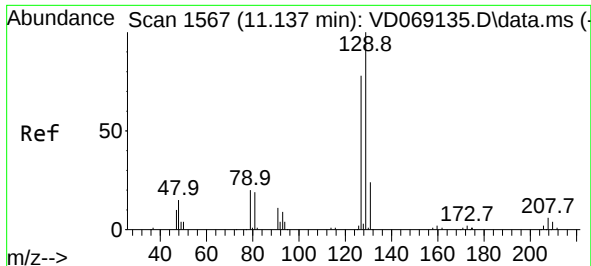
Tgt Ion: 43 Resp: 2011
Ion Ratio Lower Upper
43 100
58 0.0 35.0 52.4#



#56
Ethyl methacrylate
Concen: 1.34 ug/l
RT: 10.520 min Scan# 1462
Delta R.T. -0.141 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

Tgt Ion: 69 Resp: 54
Ion Ratio Lower Upper
69 100
41 2374.1 42.2 63.2#
39 748.1 26.3 39.5#

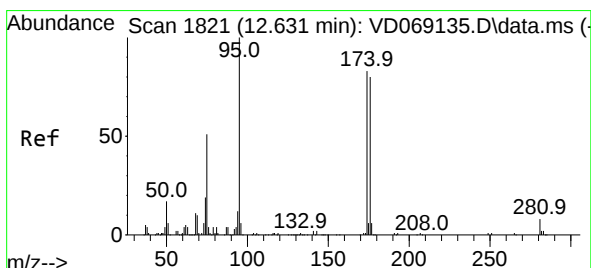
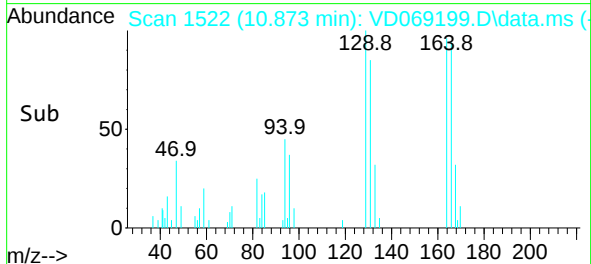
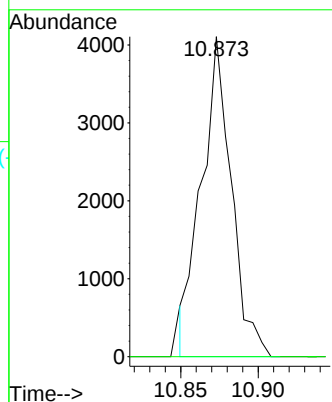
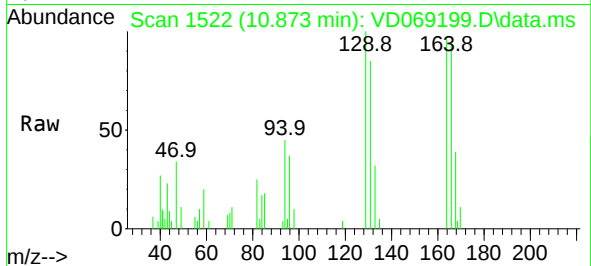




#60
Dibromochloromethane
Concen: 2.14 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.264 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

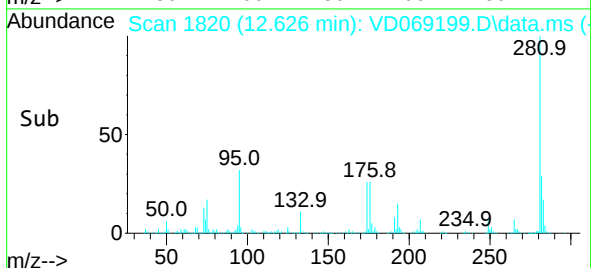
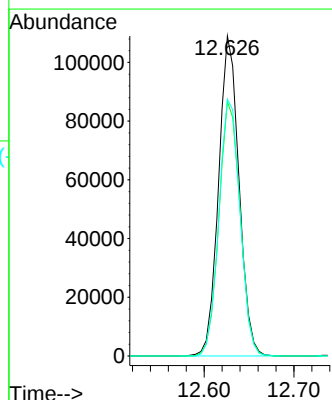
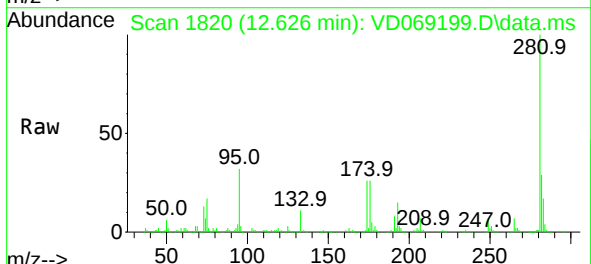
Instrument :
MSVOA_D
ClientSampleId :

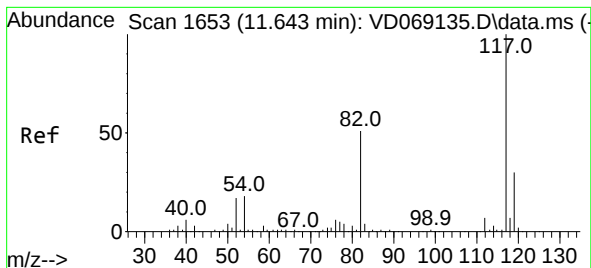
Tgt Ion:129 Resp: 5504
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 59.16 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

Tgt Ion: 95 Resp: 171906
Ion Ratio Lower Upper
95 100
174 82.5 0.0 171.8
176 83.0 0.0 165.4

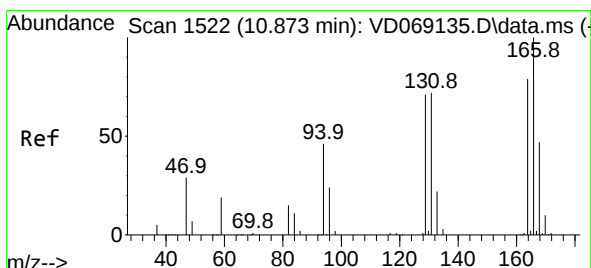
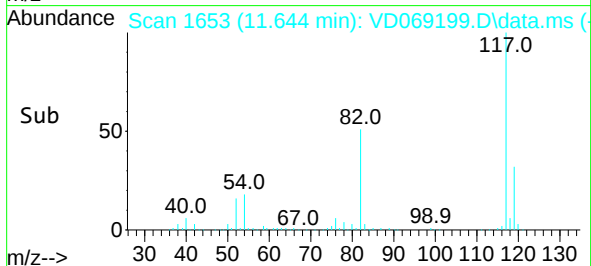
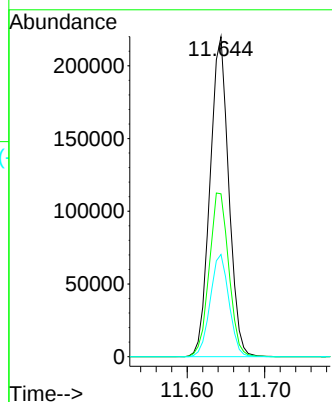
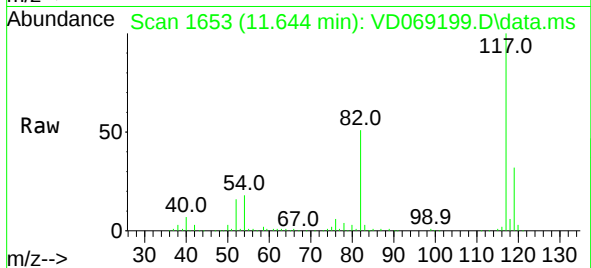




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

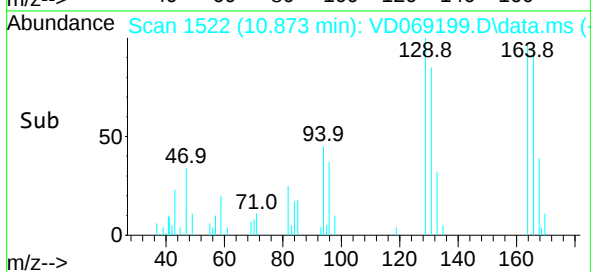
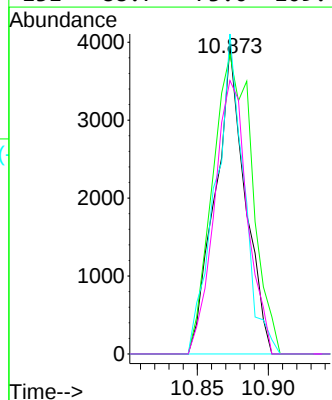
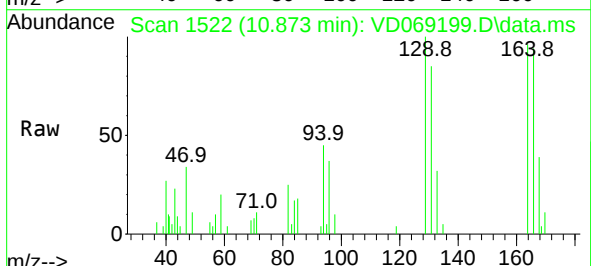
Instrument :
MSVOA_D
ClientSampleId :

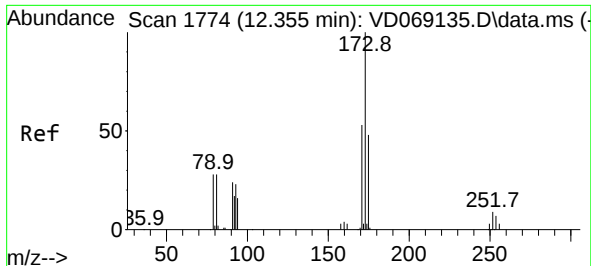
Tgt Ion:117 Resp: 368920
Ion Ratio Lower Upper
117 100
82 50.9 40.5 60.7
119 31.9 24.2 36.4



#64
Tetrachloroethene
Concen: 2.26 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

Tgt Ion:164 Resp: 5785
Ion Ratio Lower Upper
164 100
166 97.1 101.7 152.5#
129 103.8 72.6 109.0
131 88.7 73.0 109.4

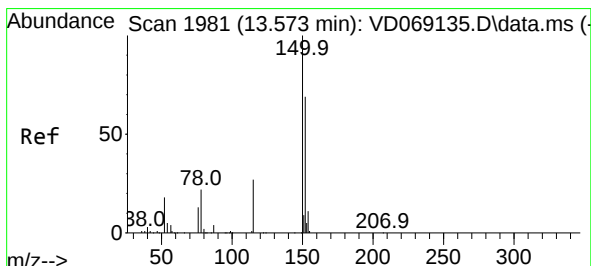
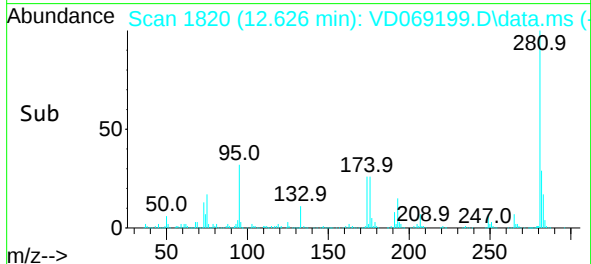
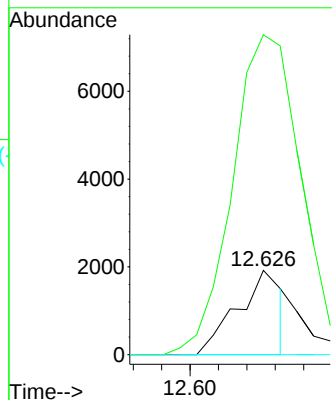
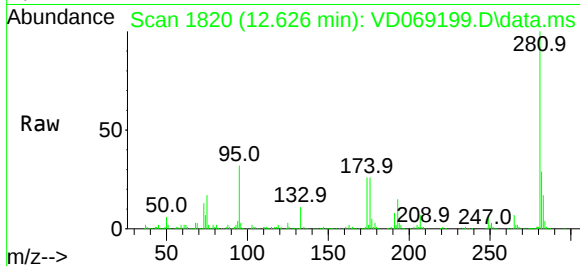




#71
Bromoform
Concen: 1.40 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

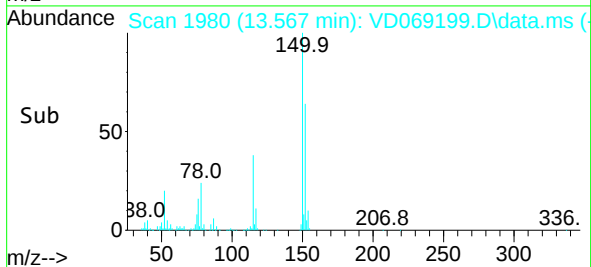
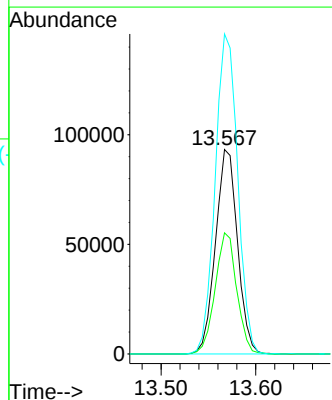
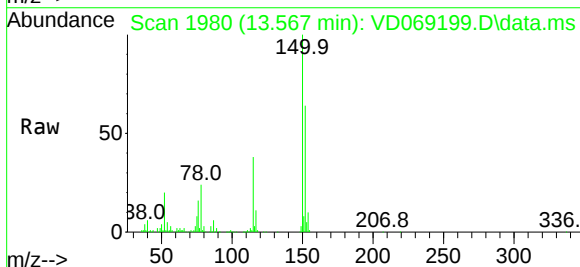
Instrument :
MSVOA_D
ClientSampleId :

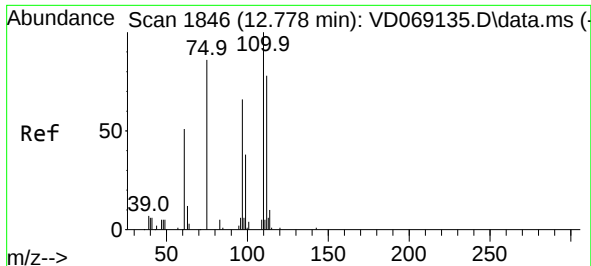
Tgt Ion:173 Resp: 2097
Ion Ratio Lower Upper
173 100
175 442.9 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

Tgt Ion:152 Resp: 150910
Ion Ratio Lower Upper
152 100
115 58.1 29.9 89.8
150 159.6 0.0 350.2

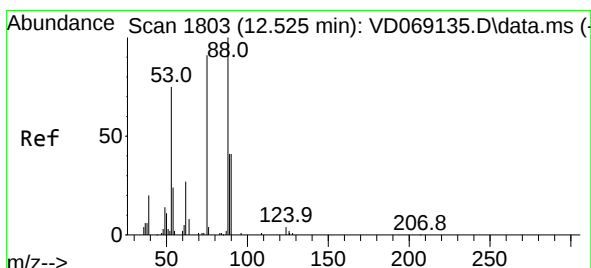
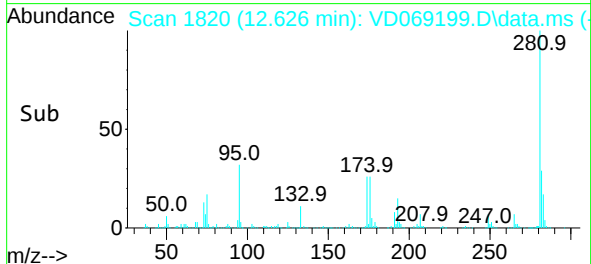
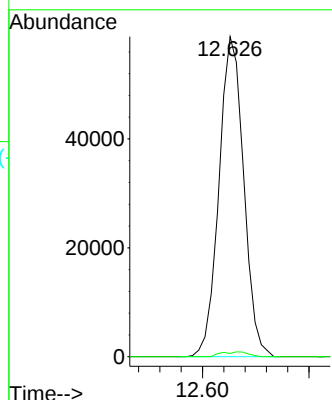
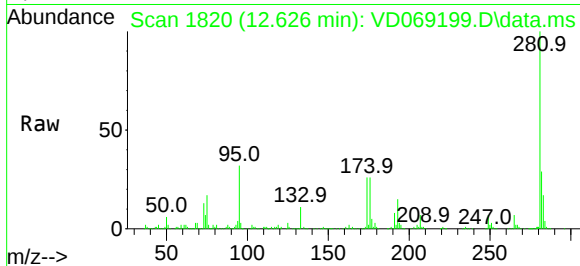




#76
1,2,3-Trichloropropane
Concen: 83.29 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

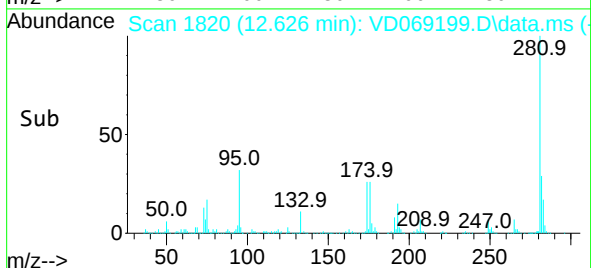
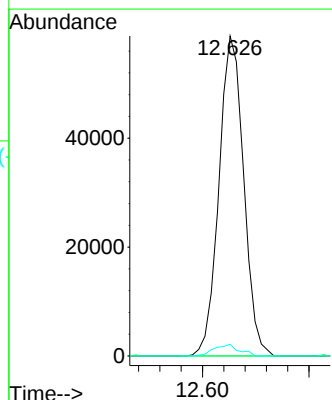
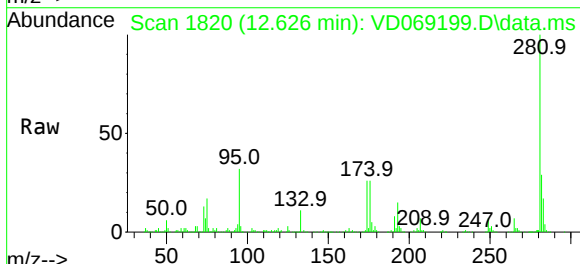
Instrument :
MSVOA_D
ClientSampleId :

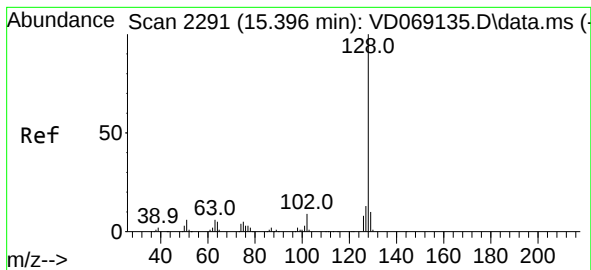
Tgt Ion: 75 Resp: 94484
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 168.24 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

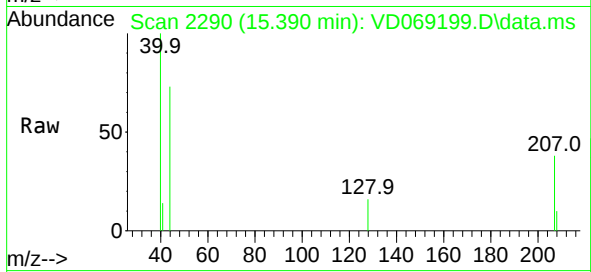
Tgt Ion: 75 Resp: 94484
Ion Ratio Lower Upper
75 100
53 0.0 70.0 105.0#
89 3.6 40.2 60.2#





#95
Naphthalene
Concen: 2.09 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069199.D
Acq: 19 May 2021 16:27

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.9	13.3#

