

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052021\
 Data File : VD069217.D
 Acq On : 20 May 2021 14:28
 Operator : VA/SY
 Sample : M2420-02
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 21 00:54:02 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)

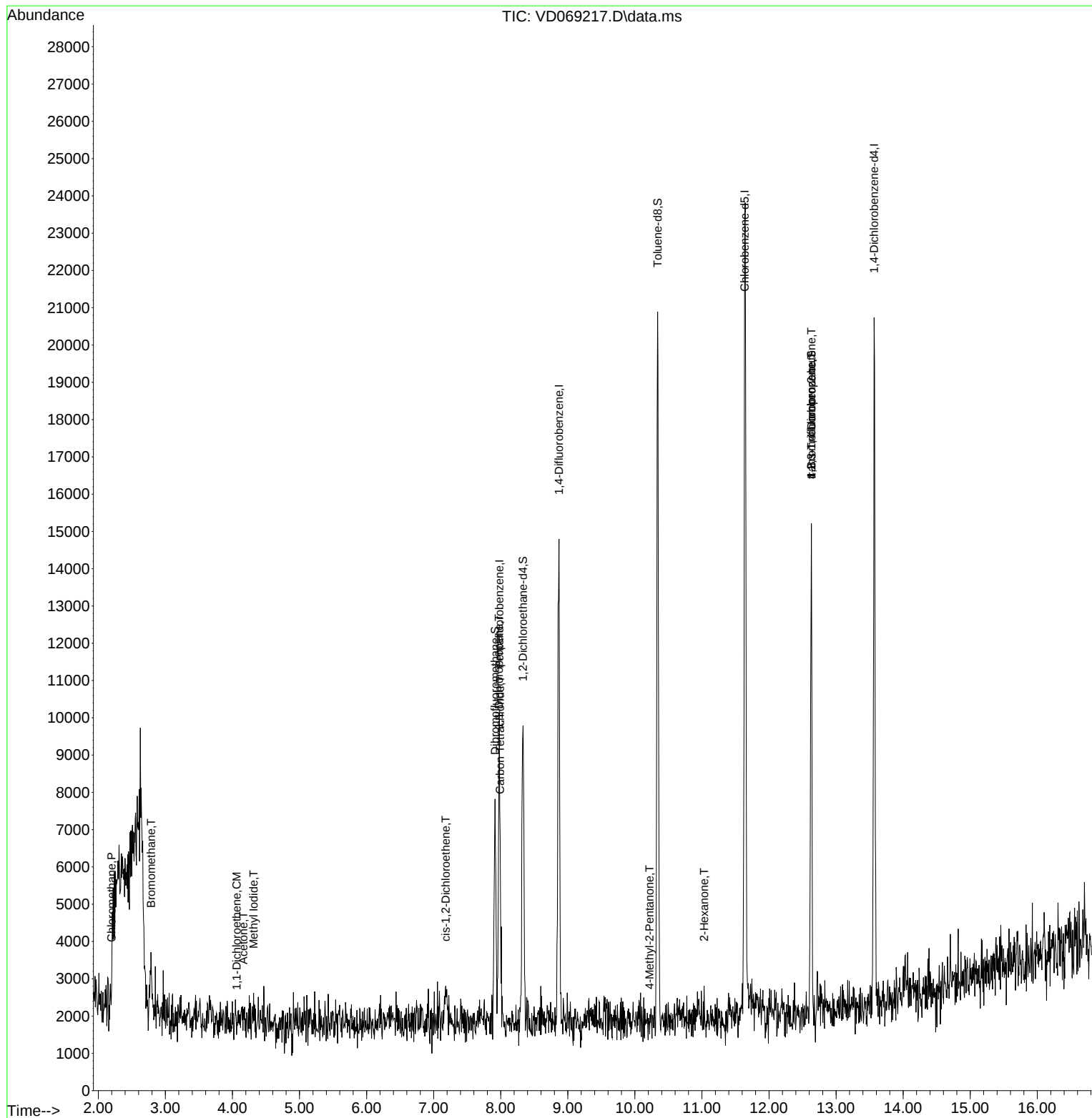
Internal Standards						
1) Pentafluorobenzene	7.979	168	5942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	11386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	14291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	5064	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	6284	105.49	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 210.98%#			
35) Dibromofluoromethane	7.914	113	3972	53.61	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.22%			
50) Toluene-d8	10.338	98	13875	50.96	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.92%			
62) 4-Bromofluorobenzene	12.632	95	3966	45.27	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.54%			
Target Compounds						Qvalue
3) Chloromethane	2.197	50	650	8.95	ug/l #	42
5) Bromomethane	2.785	94	1098	15.25	ug/l #	45
10) Methyl Iodide	4.315	142	525	8.41	ug/l #	38
12) 1,1-Dichloroethene	4.062	96	61	1.03	ug/l #	1
16) Acetone	4.162	43	57	6.25	ug/l #	41
20) Methylene Chloride	4.962	84	74	Below Cal	#	14
27) cis-1,2-Dichloroethene	7.179	96	83	1.08	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	496	4.48	ug/l #	40
38) Carbon Tetrachloride	7.991	117	519	4.19	ug/l #	12
51) 4-Methyl-2-Pentanone	10.220	43	113	3.40	ug/l #	32
59) 2-Hexanone	11.032	43	97	4.37	ug/l #	19
76) 1,2,3-Trichloropropane	12.632	75	1869	49.10	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	1869	99.18	ug/l #	14

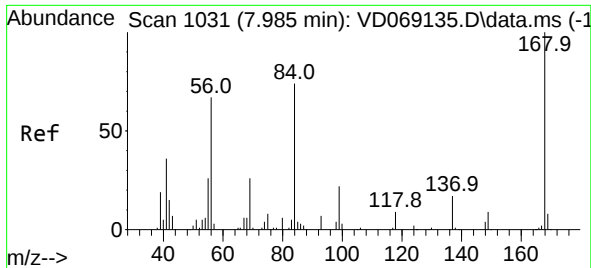
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 21 00:54:02 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

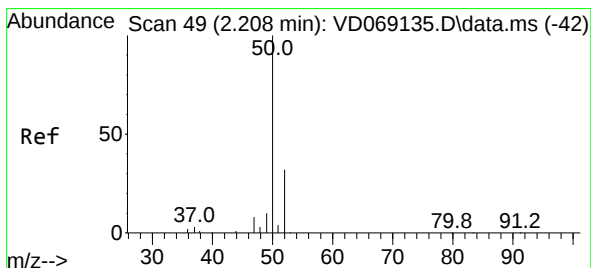
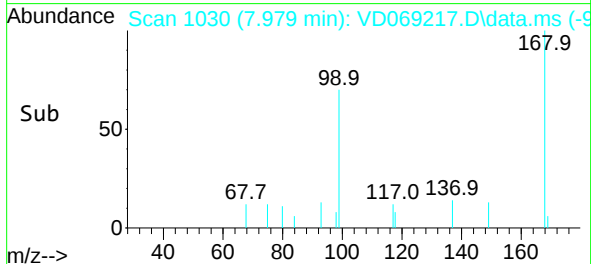
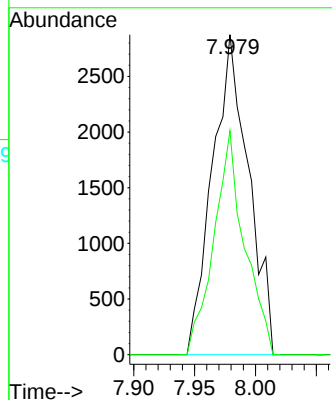
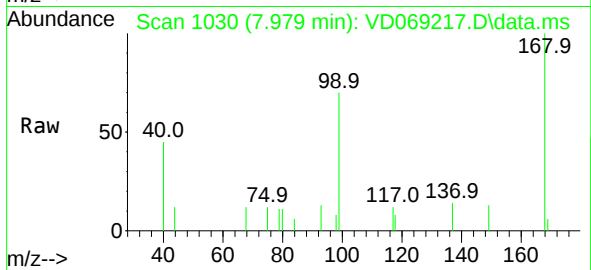




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28

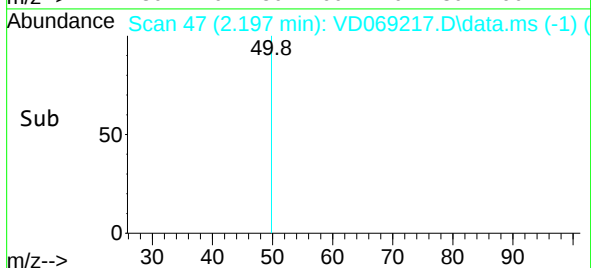
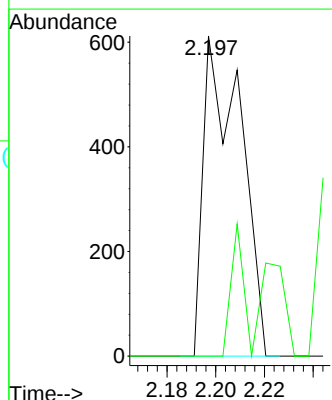
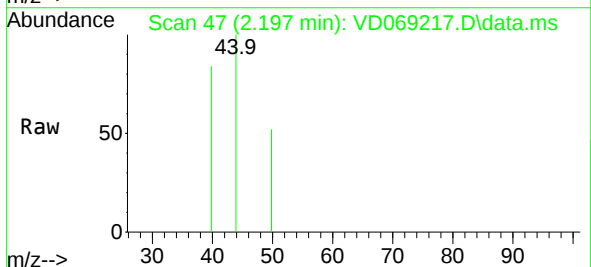
Instrument :
MSVOA_D
ClientSampleId :

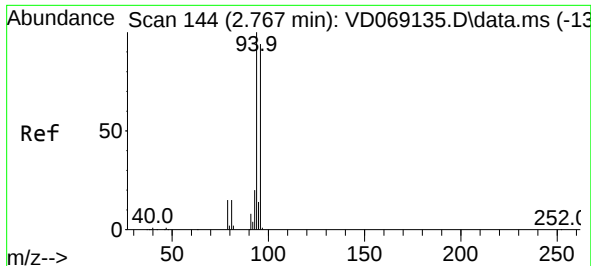
Tgt Ion:168 Resp: 5942
Ion Ratio Lower Upper
168 100
99 70.0 47.2 70.8



#3
Chloromethane
Concen: 8.95 ug/l
RT: 2.197 min Scan# 47
Delta R.T. -0.011 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28

Tgt Ion: 50 Resp: 650
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

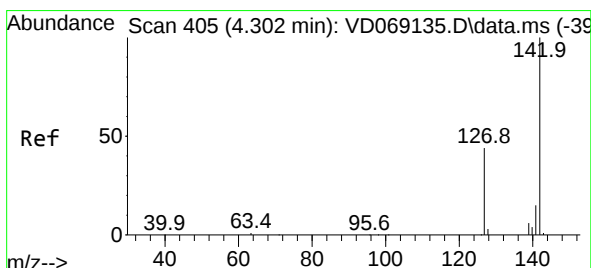
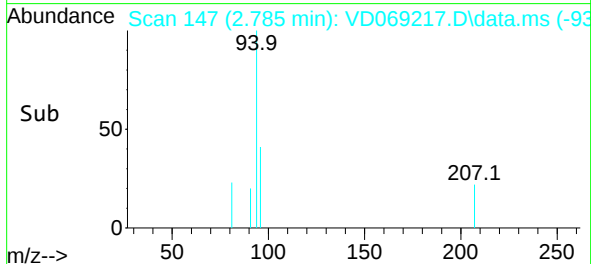
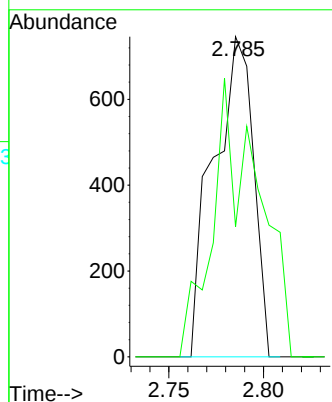
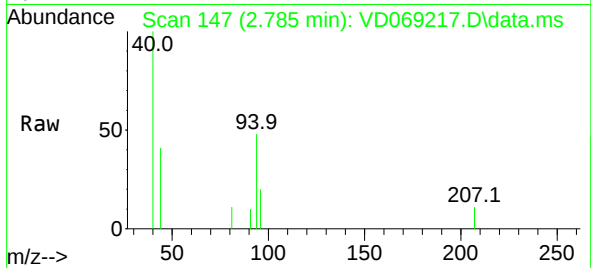




#5
Bromomethane
Concen: 15.25 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.018 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28

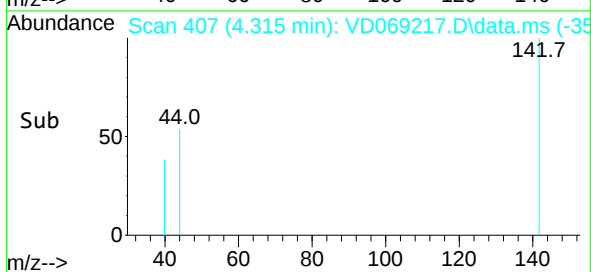
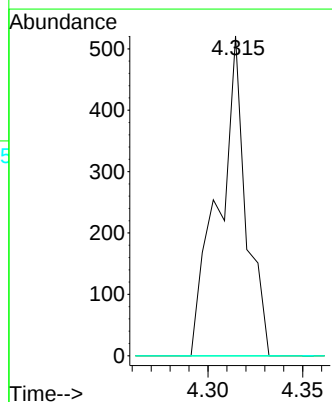
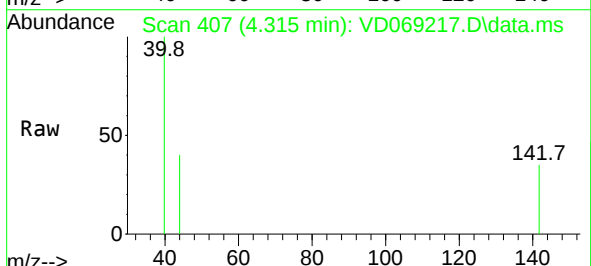
Instrument :
MSVOA_D
ClientSampled :

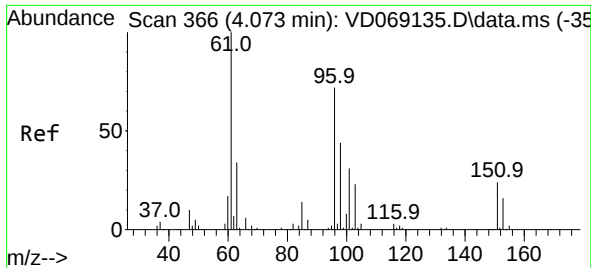
Tgt Ion: 94 Resp: 1098
Ion Ratio Lower Upper
94 100
96 40.6 75.4 113.0#



#10
Methyl Iodide
Concen: 8.41 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.013 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28

Tgt Ion: 142 Resp: 525
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 12.2 18.4#

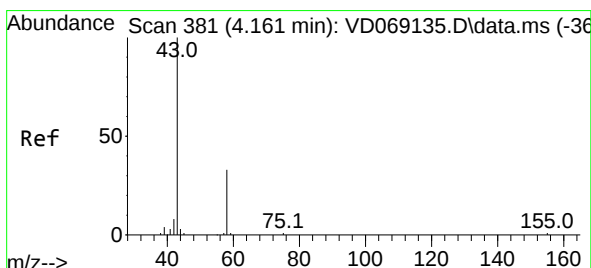
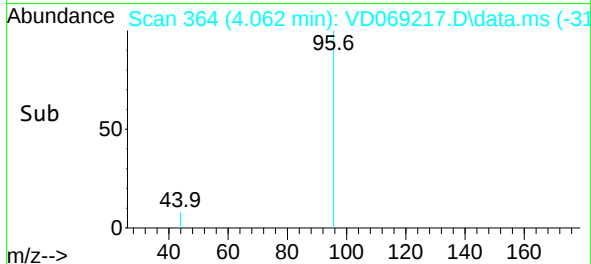
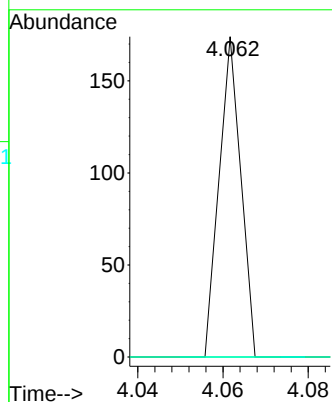
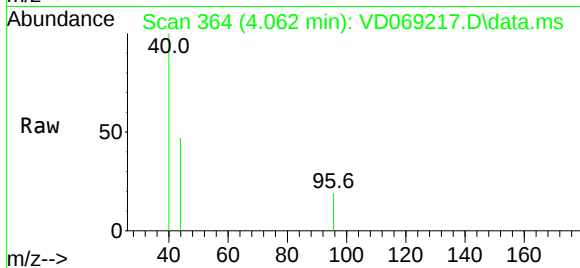




#12
1,1-Dichloroethene
Concen: 1.03 ug/l
RT: 4.062 min Scan# 364
Delta R.T. -0.011 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28

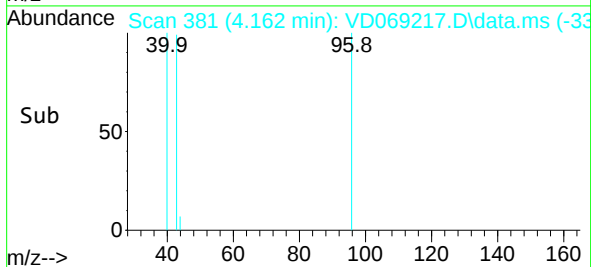
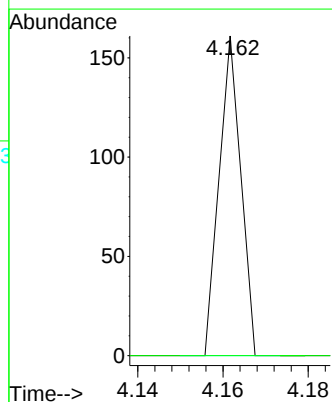
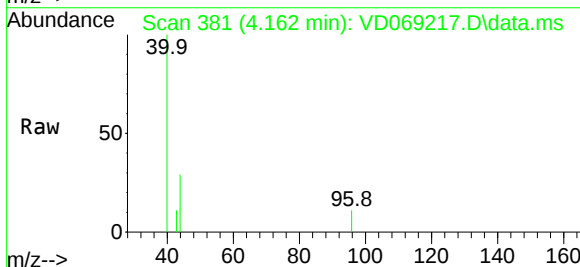
Instrument :
MSVOA_D
ClientSampleId :

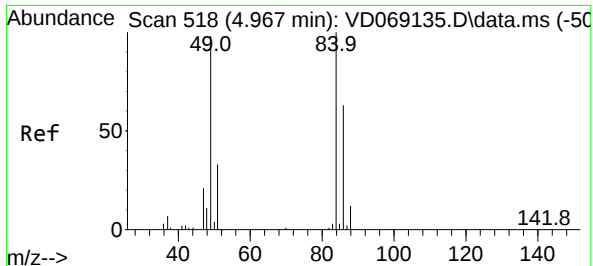
Tgt Ion: 96 Resp: 61
Ion Ratio Lower Upper
96 100
61 0.0 111.1 166.7#
98 0.0 48.4 72.6#



#16
Acetone
Concen: 6.25 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28

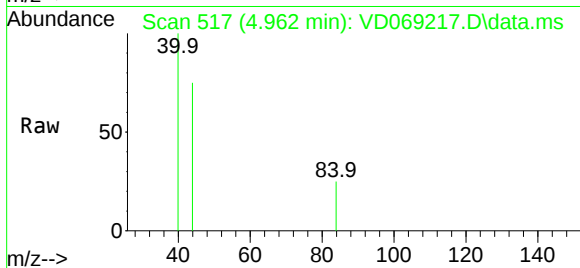
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



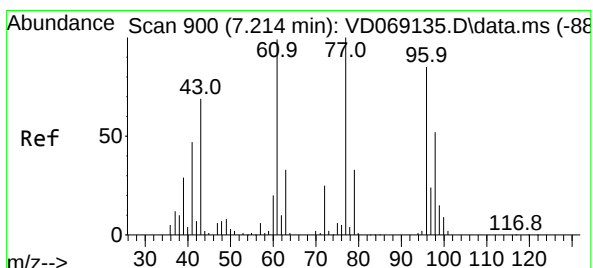
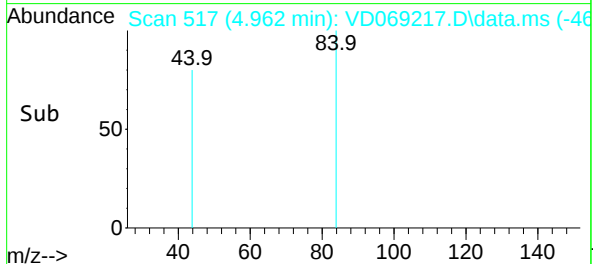
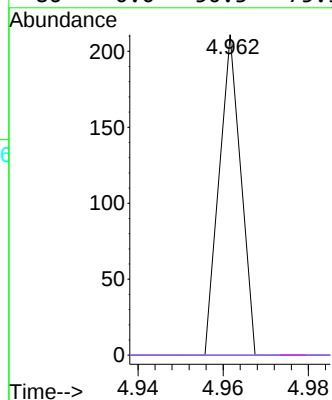


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28

Instrument :
MSVOA_D
ClientSampleId :

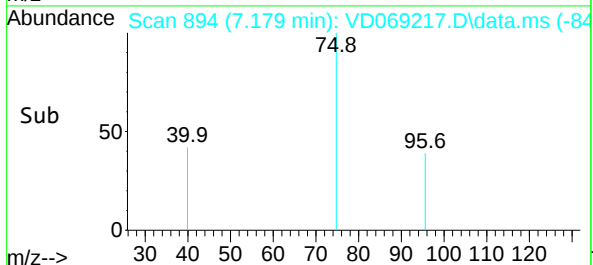
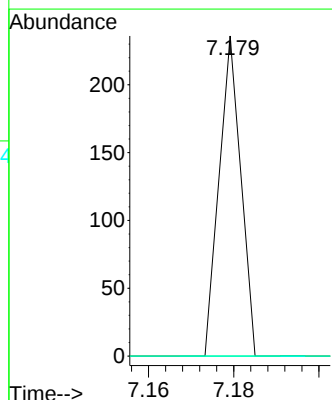
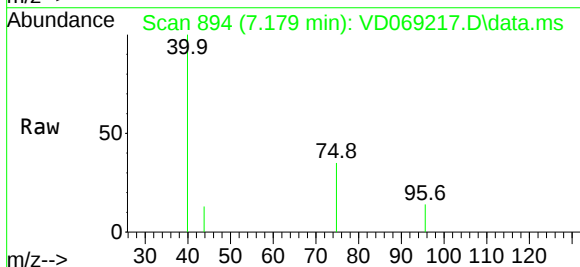


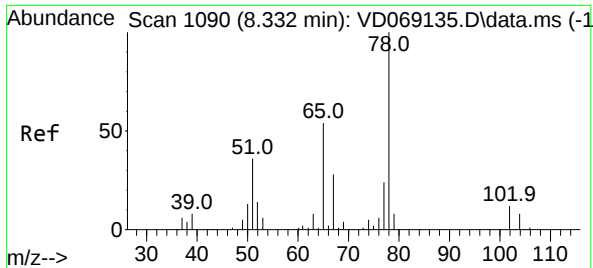
Tgt Ion: 84	Resp: 74
Ion Ratio	Lower Upper
84 100	
49 0.0	78.6 117.8#
51 0.0	26.7 40.1#
86 0.0	50.3 75.5#



#27
cis-1,2-Dichloroethene
Concen: 1.08 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.035 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28

Tgt Ion: 96	Resp: 83
Ion Ratio	Lower Upper
96 100	
61 0.0	0.0 263.8
98 0.0	0.0 132.2

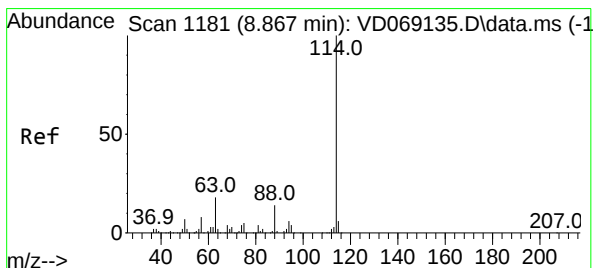
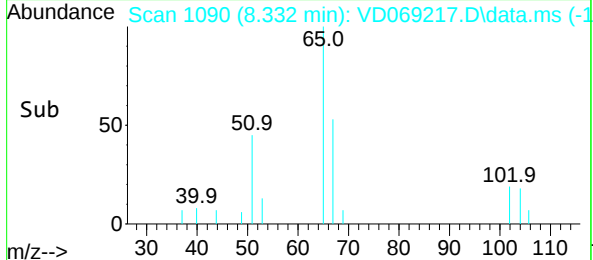
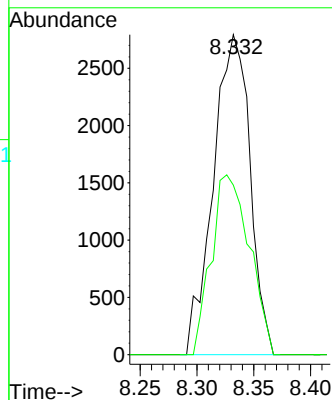
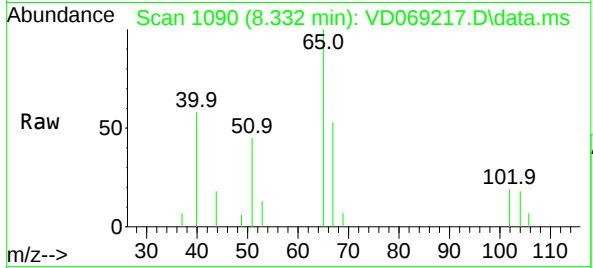




#33
1,2-Dichloroethane-d4
Concen: 105.49 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28

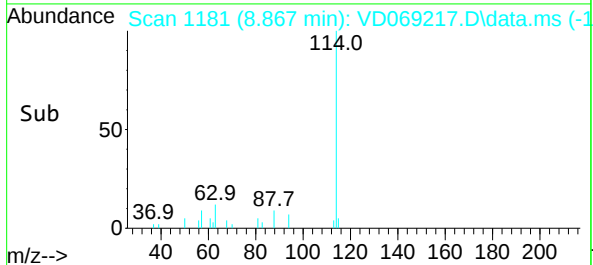
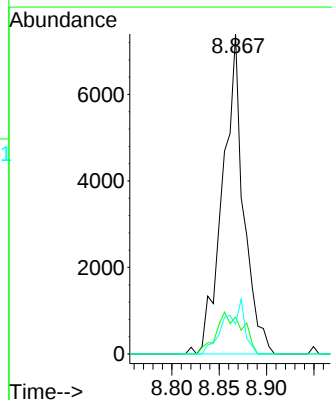
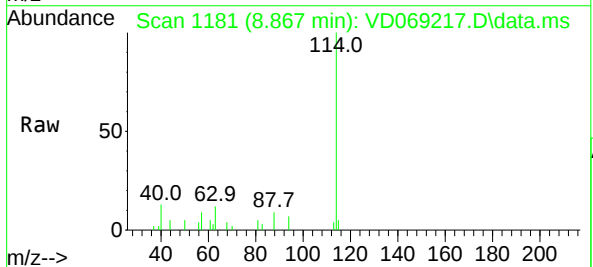
Instrument :
MSVOA_D
ClientSampled :

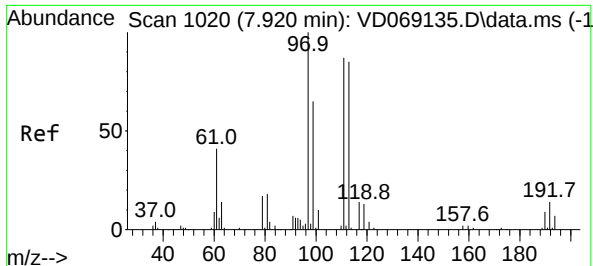
Tgt Ion: 65 Resp: 6284
Ion Ratio Lower Upper
65 100
67 58.5 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28

Tgt Ion: 114 Resp: 11386
Ion Ratio Lower Upper
114 100
63 11.5 0.0 36.4
88 9.3 0.0 28.2





#35

Dibromofluoromethane

Concen: 53.61 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.005 min

Lab File: VD069217.D

Acq: 20 May 2021 14:28

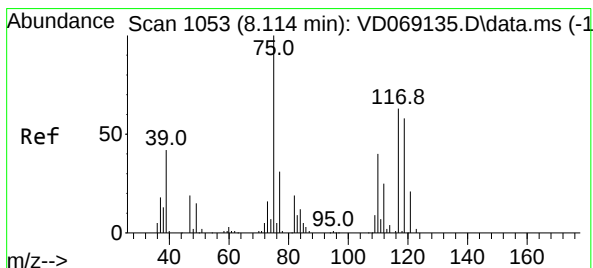
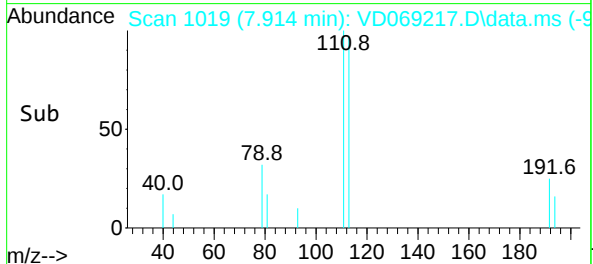
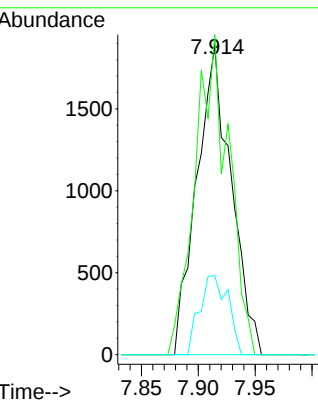
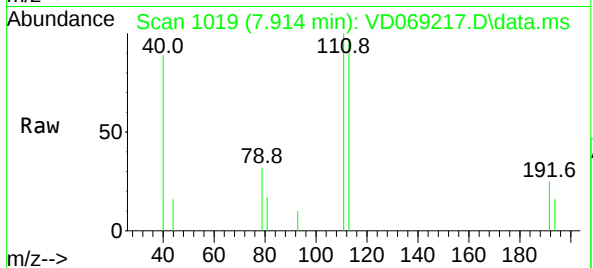
Tgt Ion:113 Resp: 3972

Ion Ratio Lower Upper

113 100

111 102.0 80.6 120.8

192 21.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.48 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD069217.D

Acq: 20 May 2021 14:28

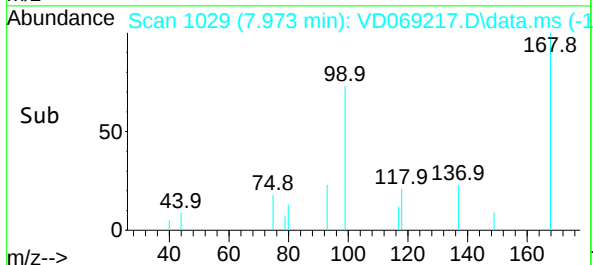
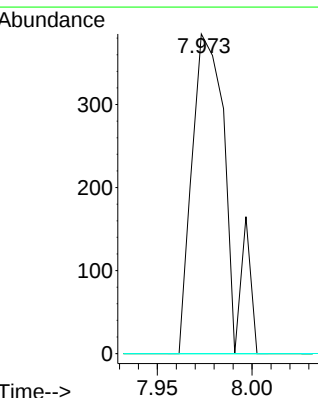
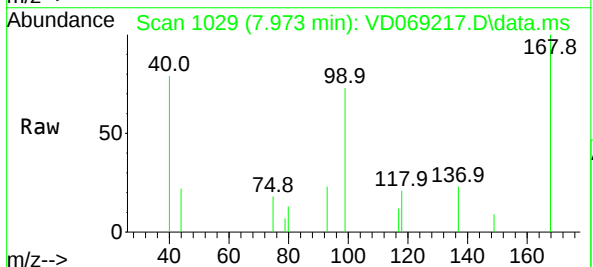
Tgt Ion: 75 Resp: 496

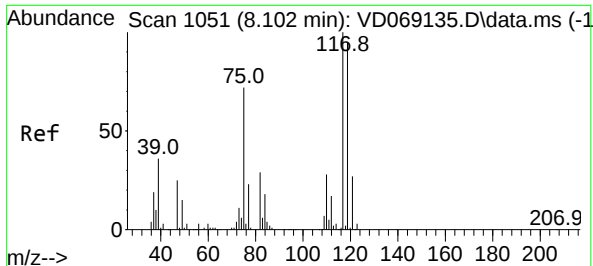
Ion Ratio Lower Upper

75 100

110 0.0 18.8 56.4#

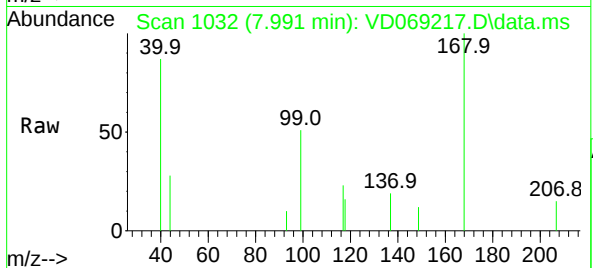
77 0.0 25.2 37.8#



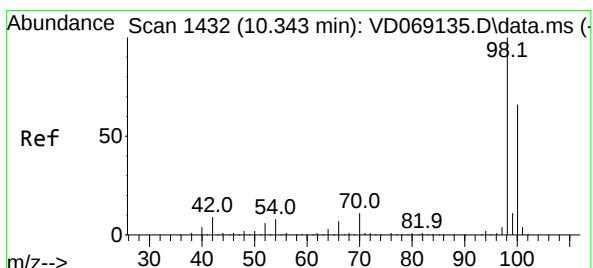
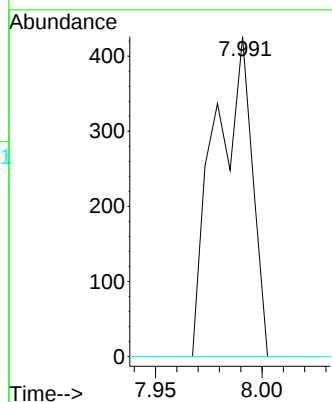
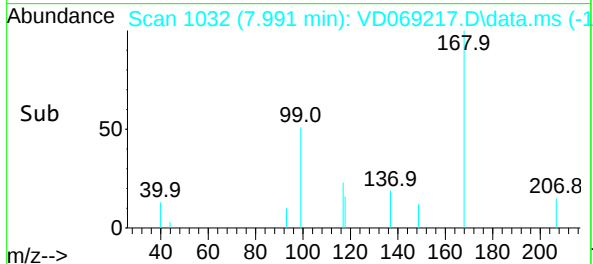


#38
Carbon Tetrachloride
Concen: 4.19 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. -0.111 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28

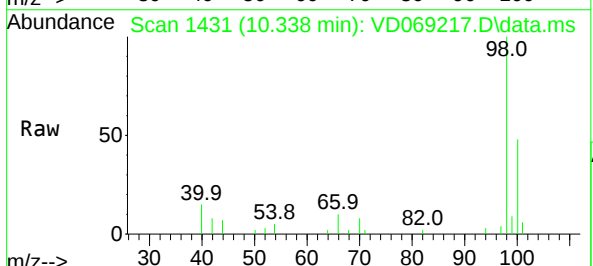
Instrument :
MSVOA_D
ClientSampled :



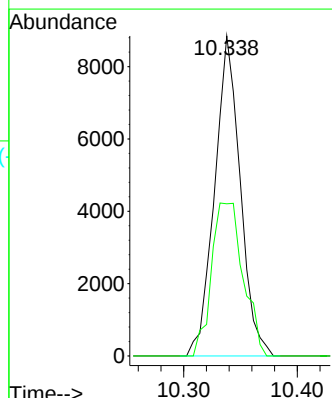
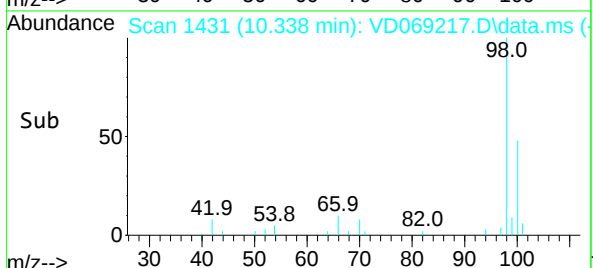
Tgt Ion:117 Resp: 519
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 21.9 32.9#

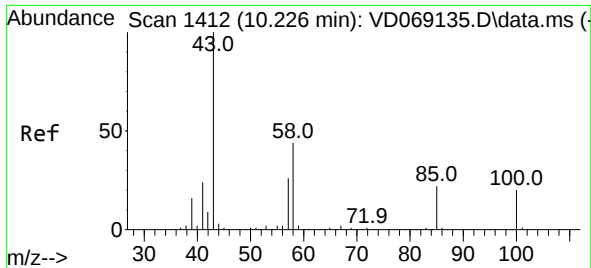


#50
Toluene-d8
Concen: 50.96 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28



Tgt Ion: 98 Resp: 13875
Ion Ratio Lower Upper
98 100
100 59.1 51.8 77.8

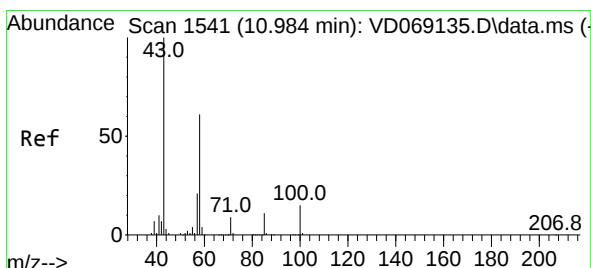
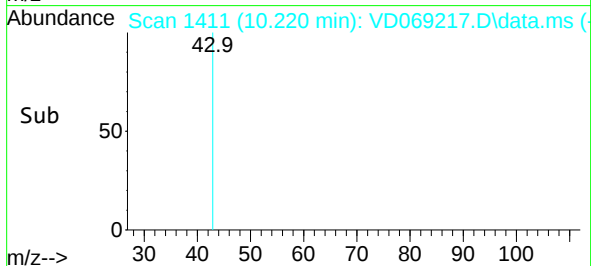
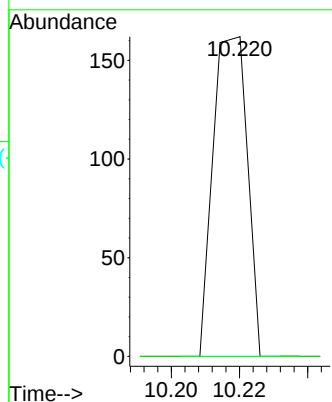
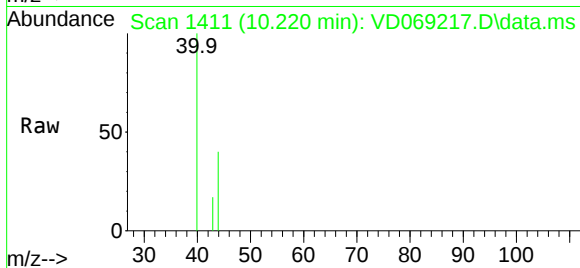




#51
4-Methyl-2-Pentanone
Concen: 3.40 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.005 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28

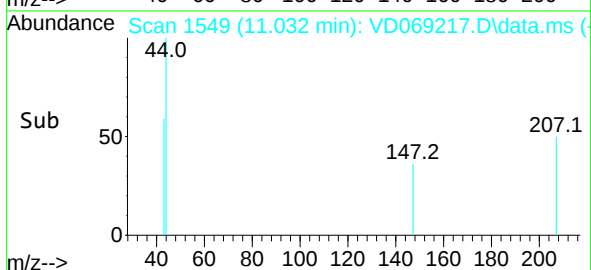
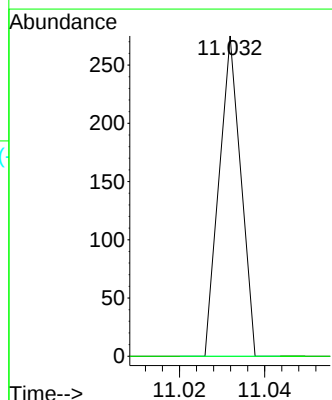
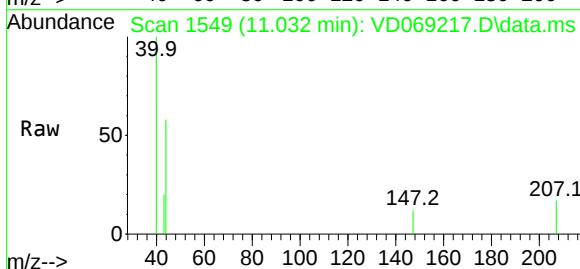
Instrument :
MSVOA_D
ClientSampleId :

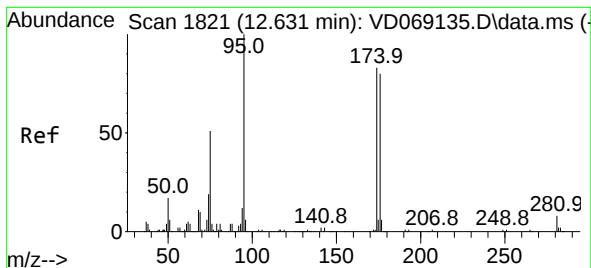
Tgt Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
58 0.0 35.0 52.4#



#59
2-Hexanone
Concen: 4.37 ug/l
RT: 11.032 min Scan# 1549
Delta R.T. 0.047 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28

Tgt Ion: 43 Resp: 97
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#

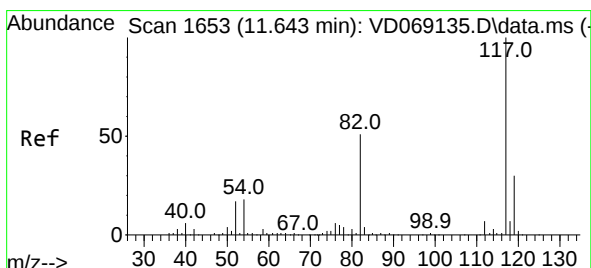
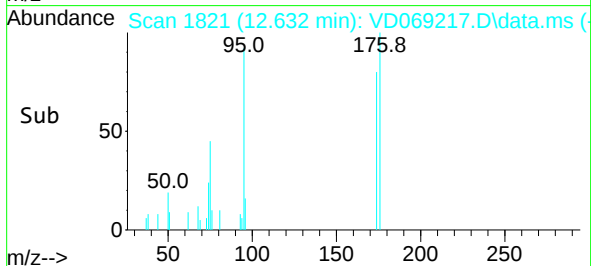
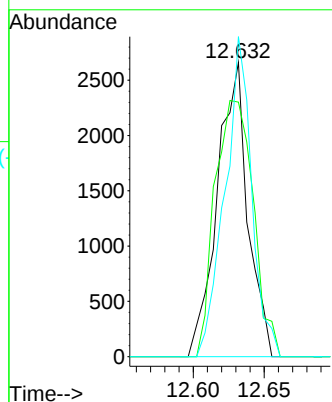
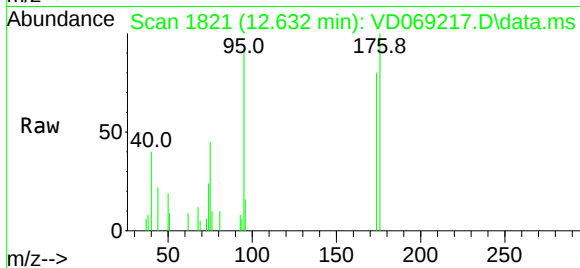




#62
4-Bromofluorobenzene
Concen: 45.27 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28

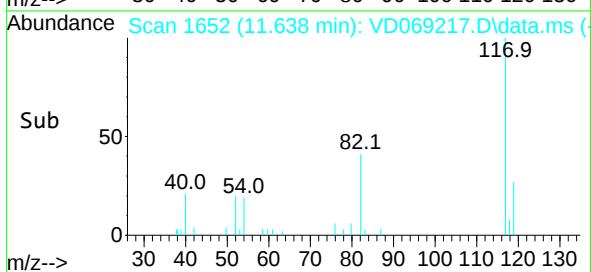
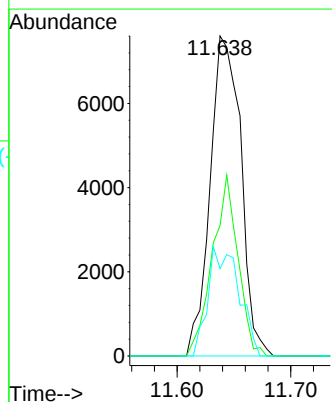
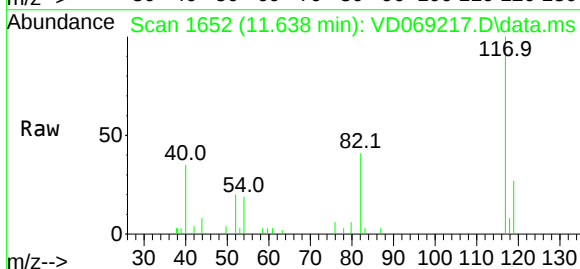
Instrument :
MSVOA_D
ClientSampleId :

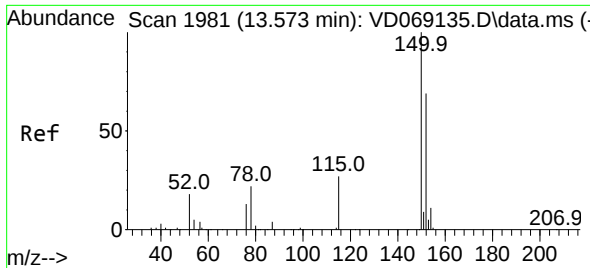
Tgt Ion:	95	Resp:	3966
Ion	Ratio	Lower	Upper
95	100		
174	109.4	0.0	171.8
176	95.7	0.0	165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.005 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28

Tgt Ion:	117	Resp:	14291
Ion	Ratio	Lower	Upper
117	100		
82	40.7	40.5	60.7
119	27.3	24.2	36.4

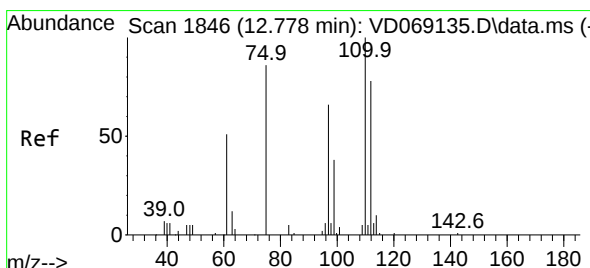
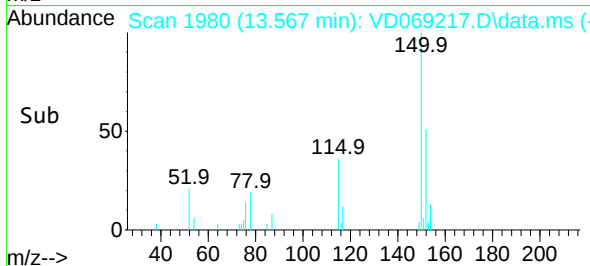
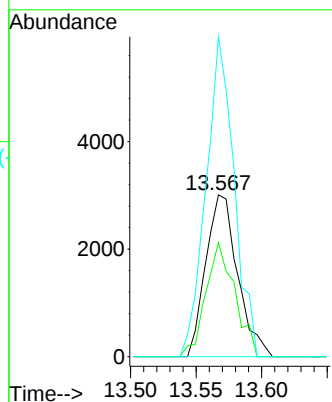
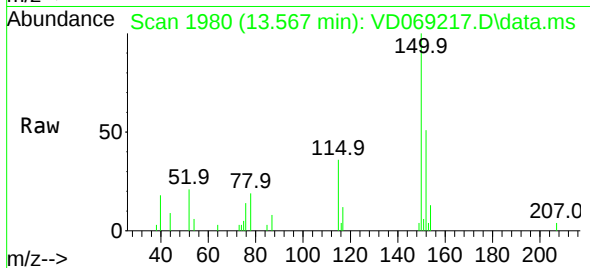




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.005 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28

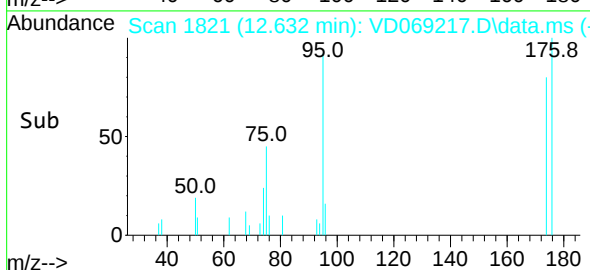
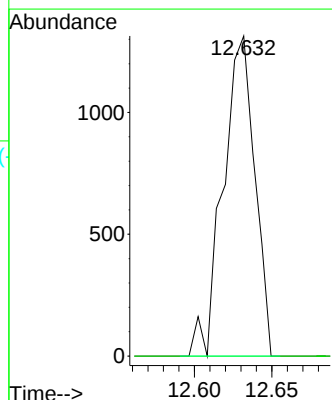
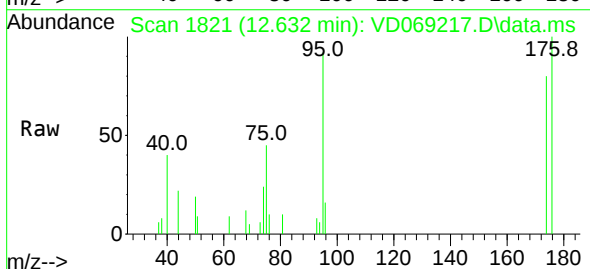
Instrument :
MSVOA_D
ClientSampleId :

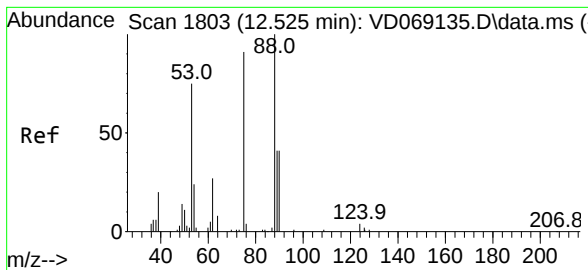
Tgt Ion:152 Resp: 5064
Ion Ratio Lower Upper
152 100
115 64.2 29.9 89.8
150 175.6 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 49.10 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD069217.D
Acq: 20 May 2021 14:28

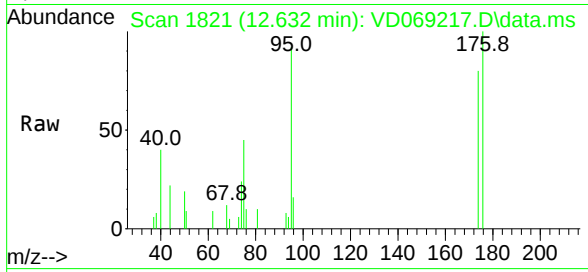
Tgt Ion: 75 Resp: 1869
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.18 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD069217.D
 Acq: 20 May 2021 14:28

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 1869
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.0 105.0#
 89 0.0 40.2 60.2#

