

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
 Data File : VD070510.D
 Acq On : 28 Sep 2021 18:48
 Operator : VA/SY
 Sample : M3938-04
 Misc : 6.51G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SUB-SLAB-05(6-8)

Quant Time: Sep 28 23:45:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

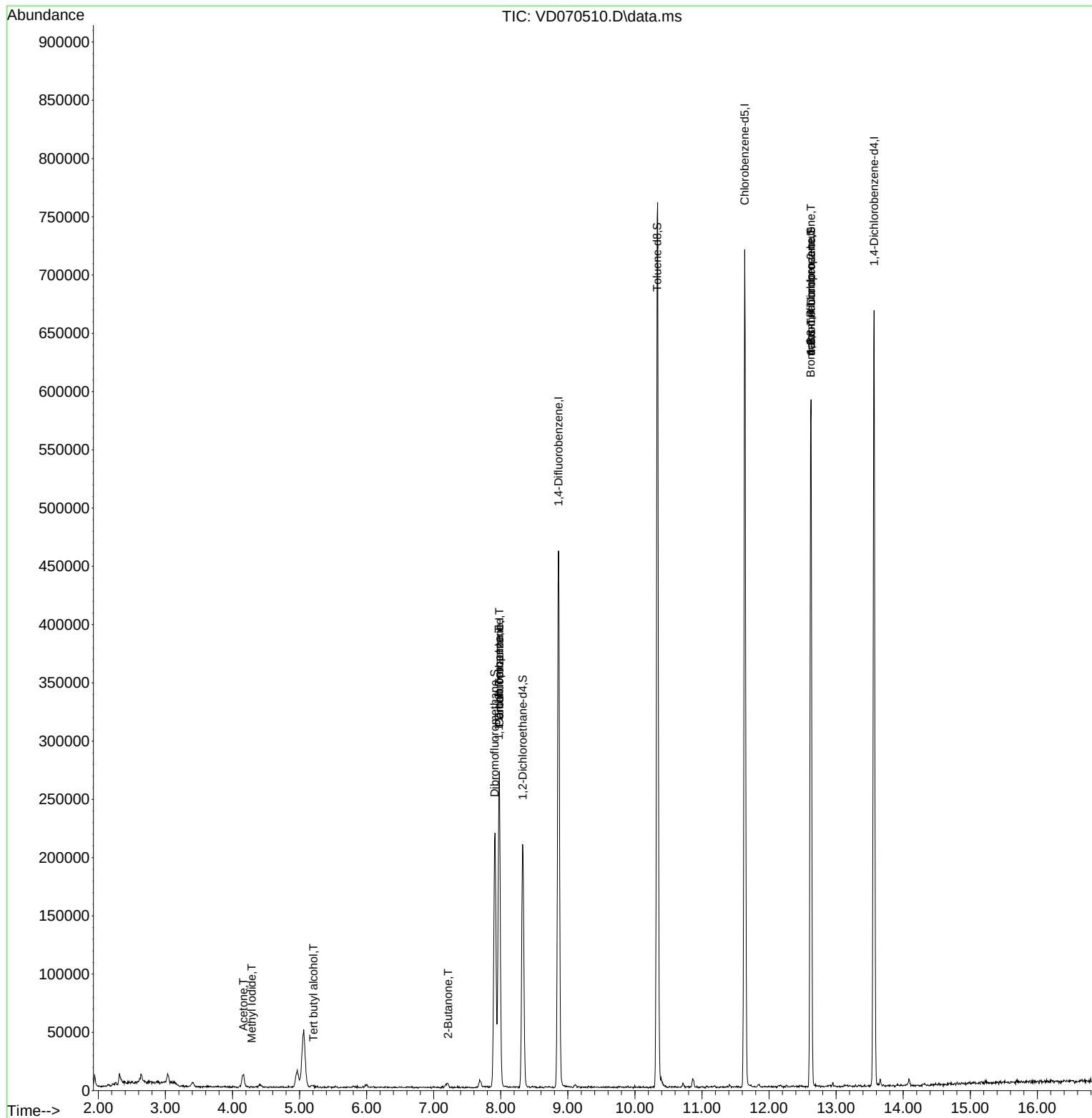
Internal Standards						
1) Pentafluorobenzene	7.979	168	193549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	403037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	427434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	183829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	168711	67.886	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.780%	
35) Dibromofluoromethane	7.908	113	159683	55.661	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.320%	
50) Toluene-d8	10.332	98	543281	52.157	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.320%	
62) 4-Bromofluorobenzene	12.626	95	180195	49.500	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	272	Below Cal	#	38
5) Bromomethane	2.779	94	713	Below Cal	#	70
6) Chloroethane	2.867	64	56	Below Cal	#	43
10) Methyl Iodide	4.285	142	72	1.058	ug/l #	39
11) Tert butyl alcohol	5.209	59	949	3.377	ug/l #	100
16) Acetone	4.162	43	19746	44.503	ug/l	89
18) Methyl Acetate	4.720	43	56	Below Cal	#	48
20) Methylene Chloride	4.967	84	11826	Below Cal	#	82
25) 2-Butanone	7.214	43	652	1.104	ug/l #	47
36) 1,1-Dichloropropene	7.973	75	17962	4.169	ug/l #	49
38) Carbon Tetrachloride	7.979	117	20385	4.785	ug/l #	18
71) Bromoform	12.620	173	1983	1.237	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	87214	46.903	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	87214	117.520	ug/l #	17

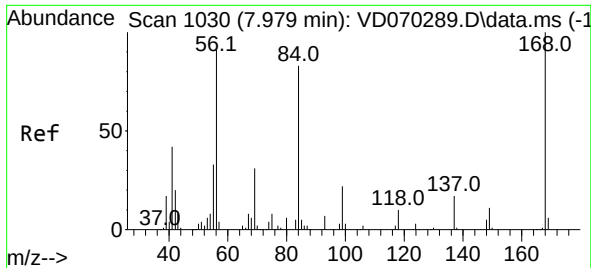
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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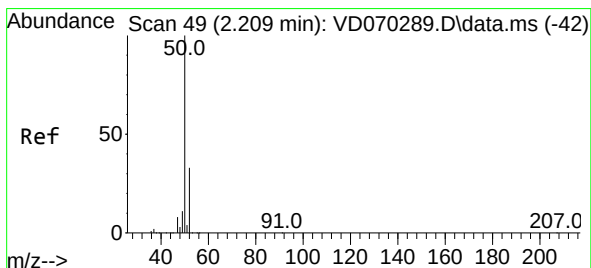
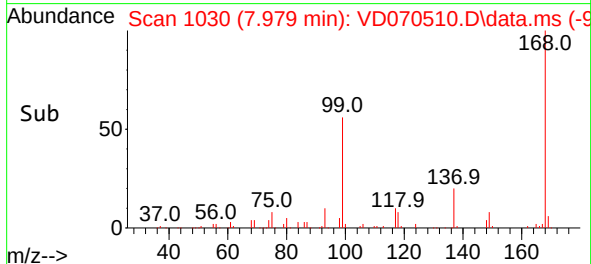
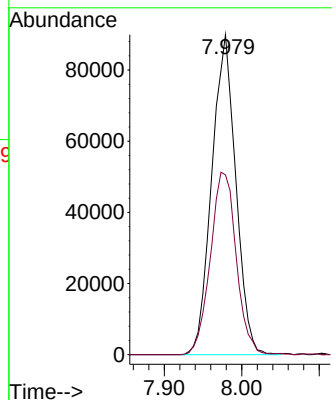
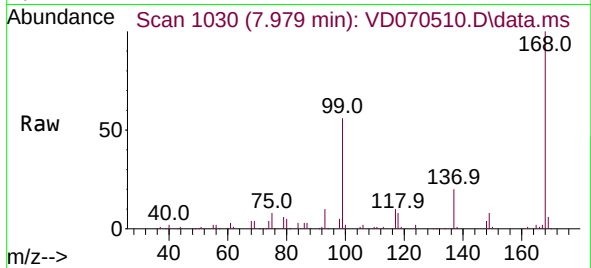




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

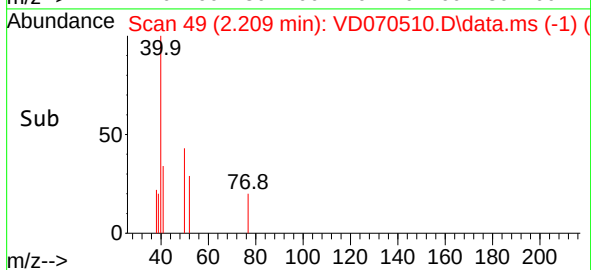
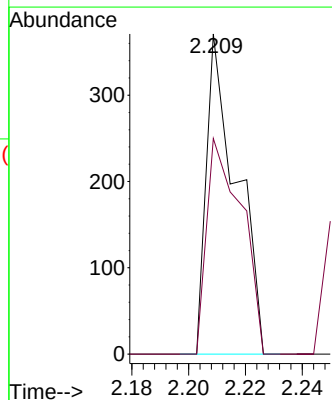
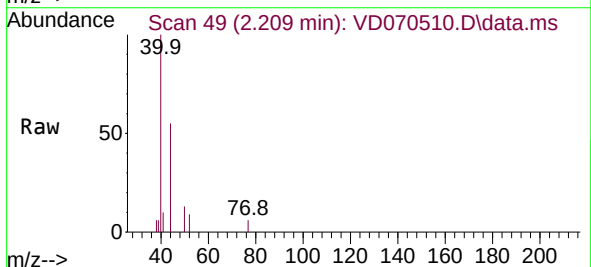
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-05(6-8)

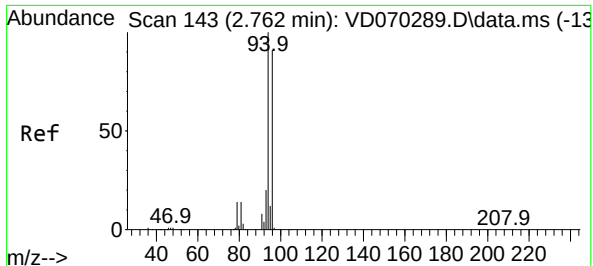
Tgt Ion:168 Resp: 193549
Ion Ratio Lower Upper
168 100
99 56.2 50.8 76.2



#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

Tgt Ion: 50 Resp: 272
Ion Ratio Lower Upper
50 100
52 67.4 26.2 39.2#

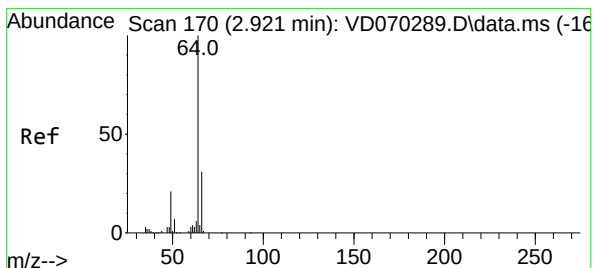
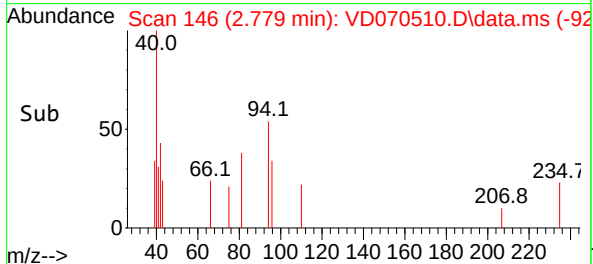
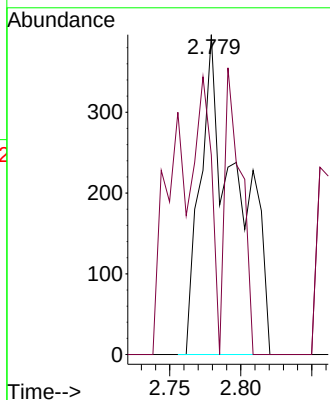
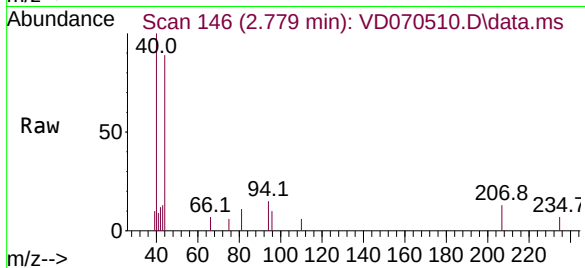




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

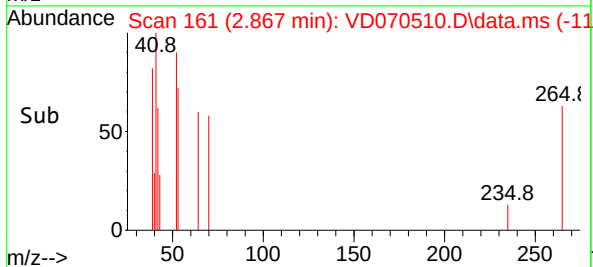
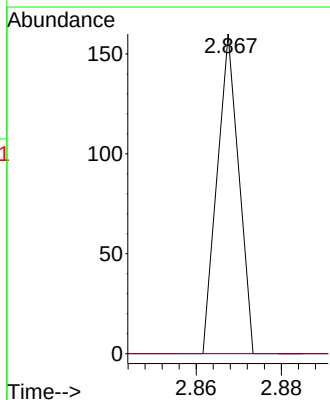
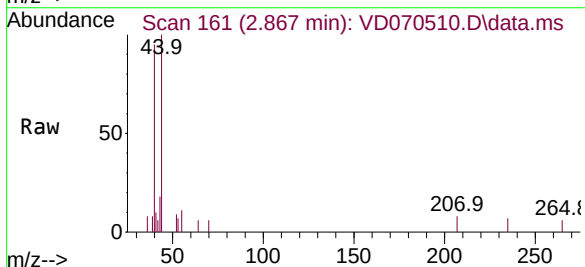
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-05(6-8)

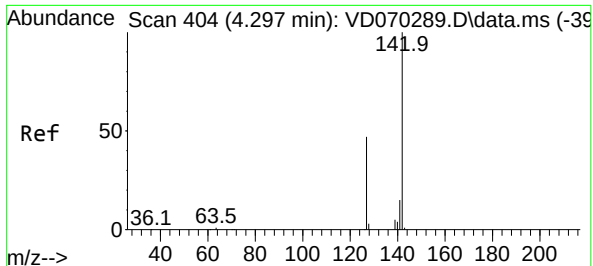
Tgt Ion: 94 Resp: 713
Ion Ratio Lower Upper
94 100
96 62.4 73.0 109.6#



#6
Chloroethane
Concen: Below Cal
RT: 2.867 min Scan# 161
Delta R.T. -0.054 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

Tgt Ion: 64 Resp: 56
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

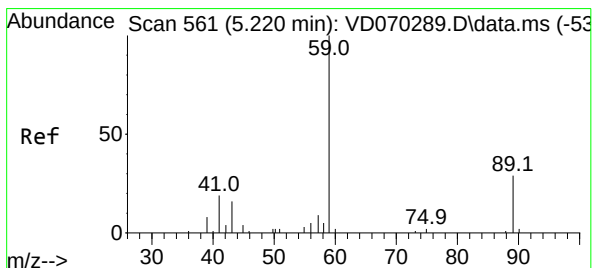
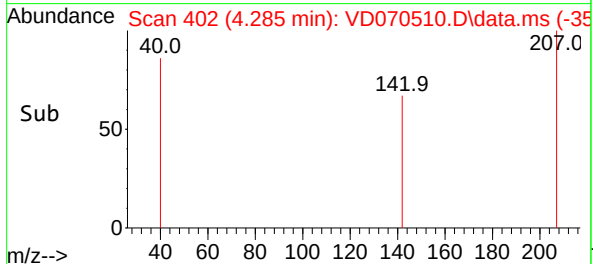
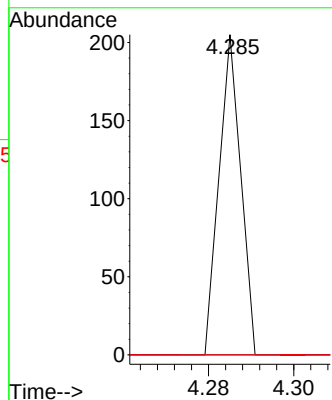
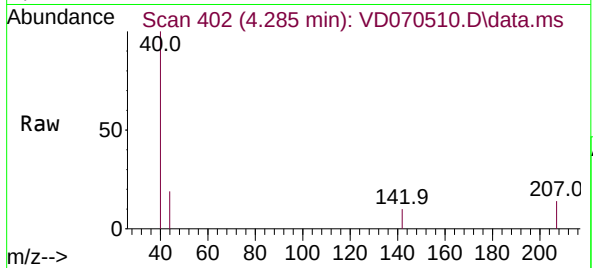




#10
Methyl Iodide
Concen: 1.058 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

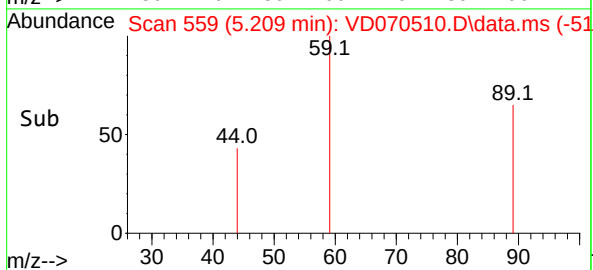
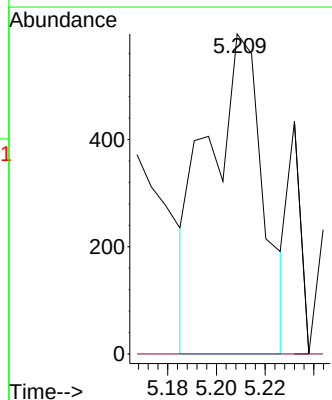
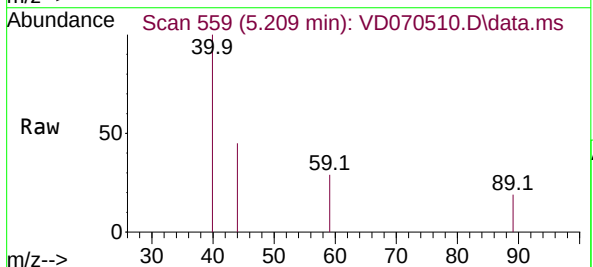
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-05(6-8)

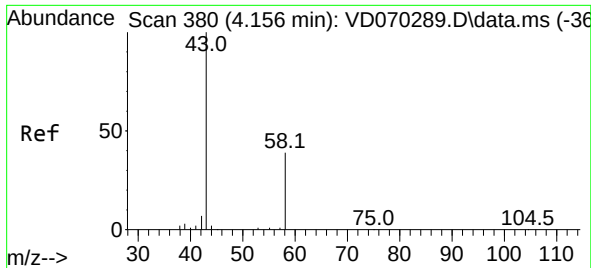
Tgt Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 3.377 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

Tgt Ion: 59 Resp: 949
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

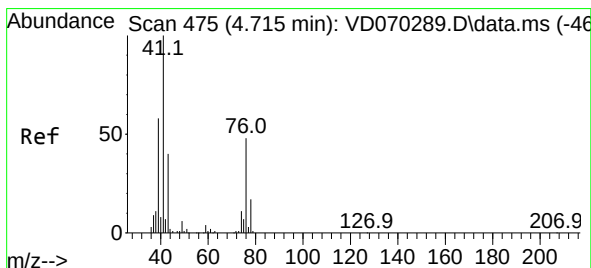
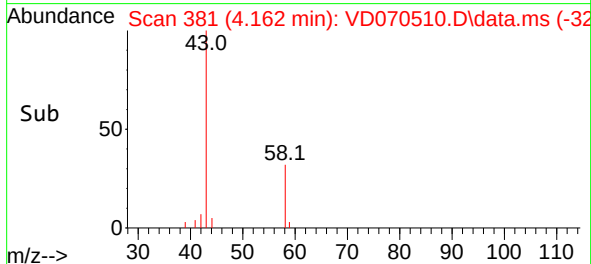
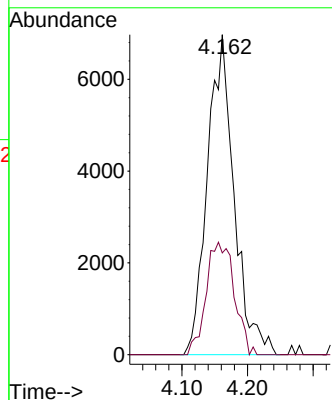
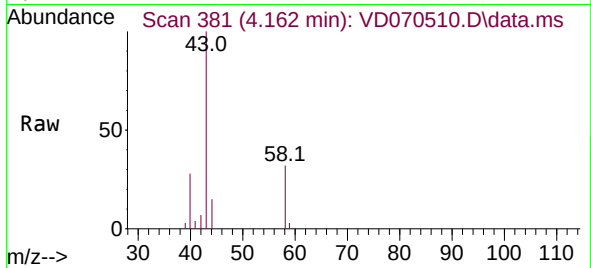




#16
Acetone
Concen: 44.503 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

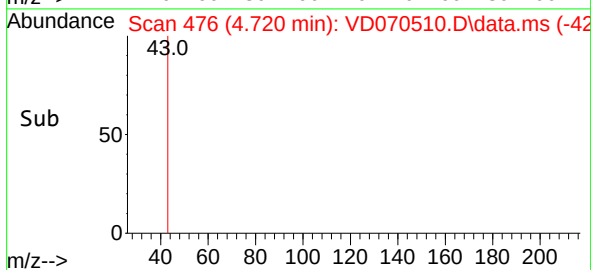
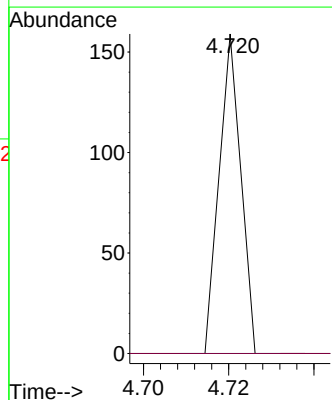
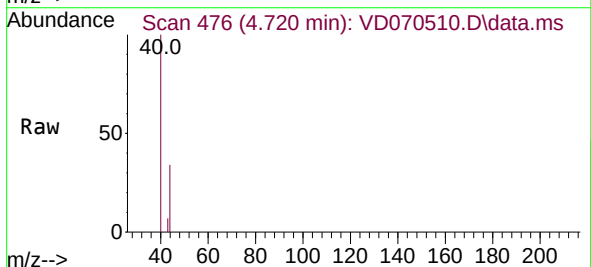
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-05(6-8)

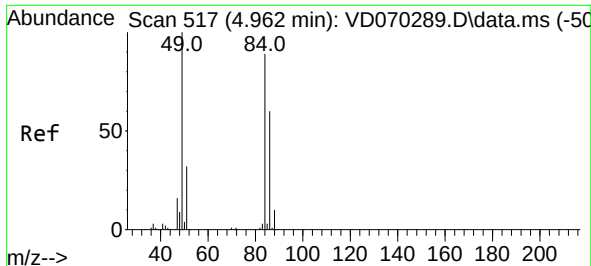
Tgt Ion: 43 Resp: 19746
Ion Ratio Lower Upper
43 100
58 31.8 30.9 46.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.005 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

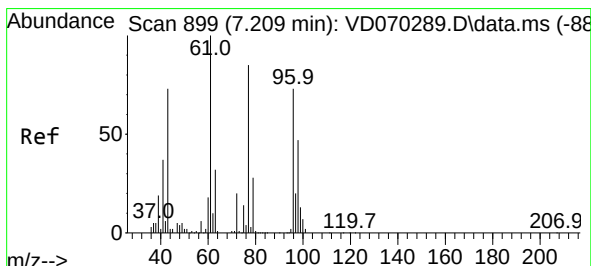
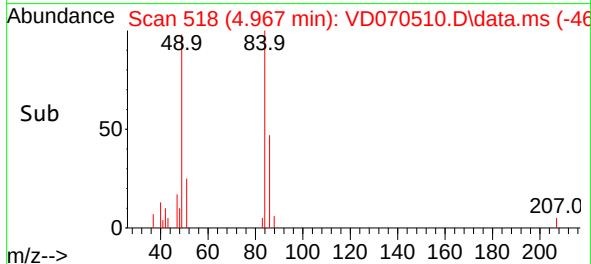
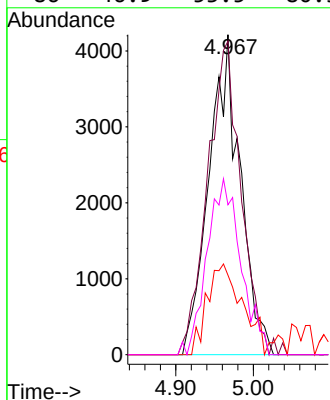
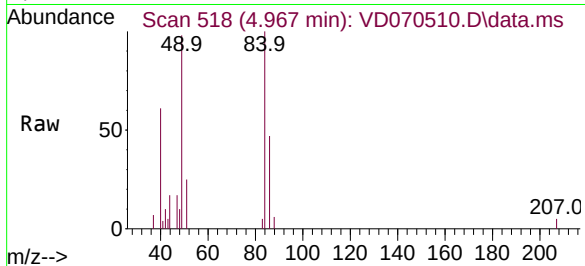




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

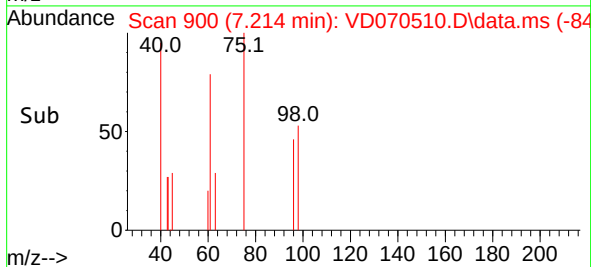
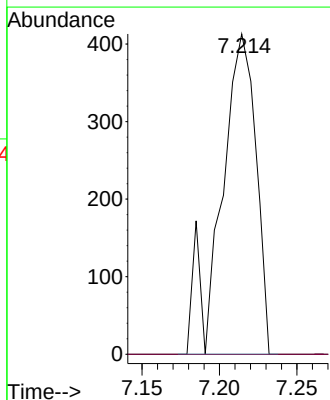
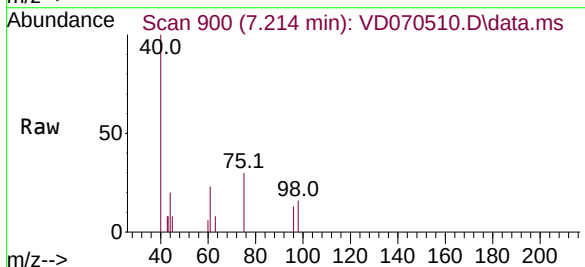
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-05(6-8)

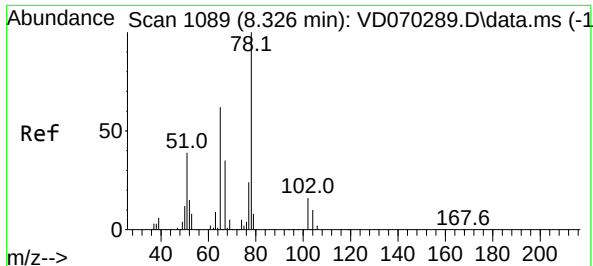
Tgt Ion:	84	Resp:	11826
Ion	Ratio	Lower	Upper
84	100		
49	98.0	89.6	134.4
51	24.8	28.6	43.0#
86	46.9	53.5	80.3#



#25
2-Butanone
Concen: 1.104 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

Tgt Ion:	43	Resp:	652
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.2	33.4#



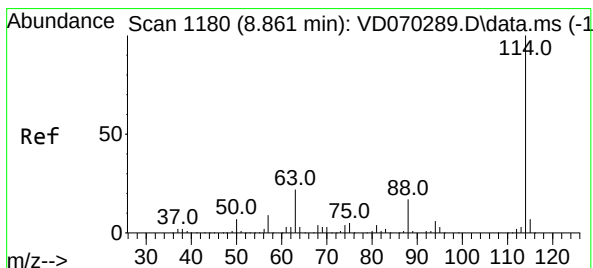
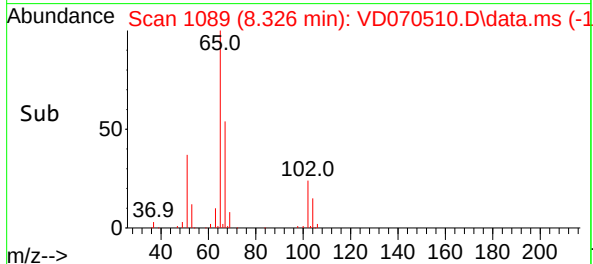
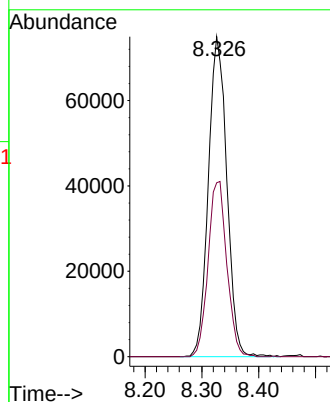
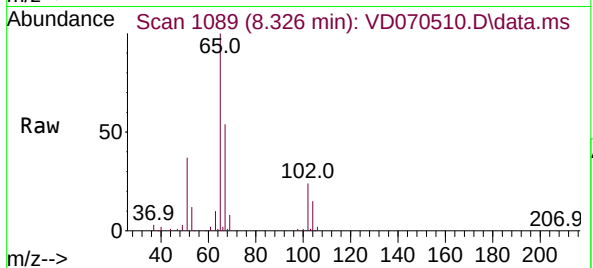


#33

1,2-Dichloroethane-d4
Concen: 67.886 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

Instrument :
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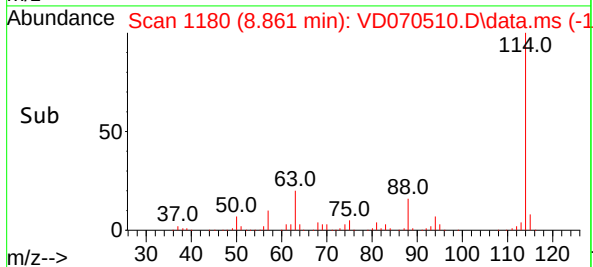
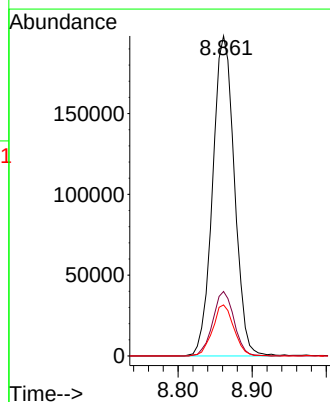
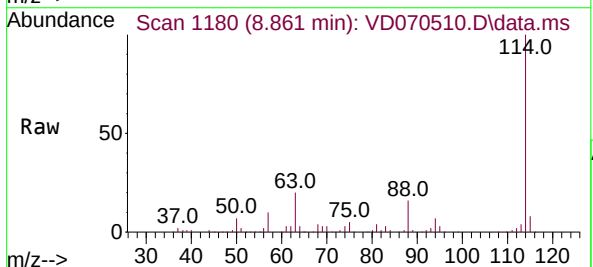
Tgt Ion: 65 Resp: 168711
Ion Ratio Lower Upper
65 100
67 55.5 0.0 111.4

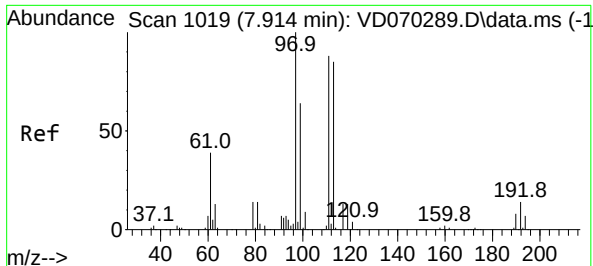


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

Tgt Ion:114 Resp: 403037
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.4
88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 55.661 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070510.D

Acq: 28 Sep 2021 18:48

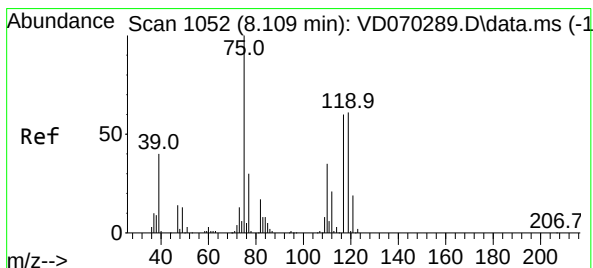
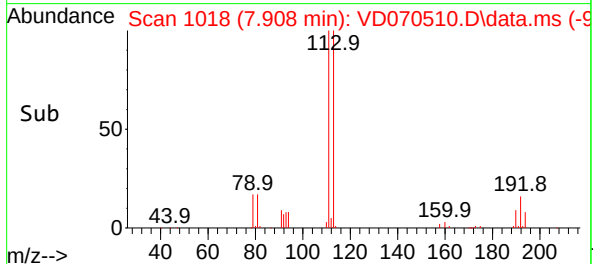
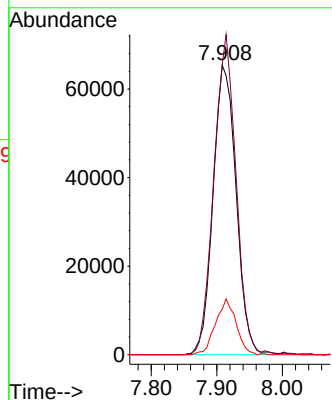
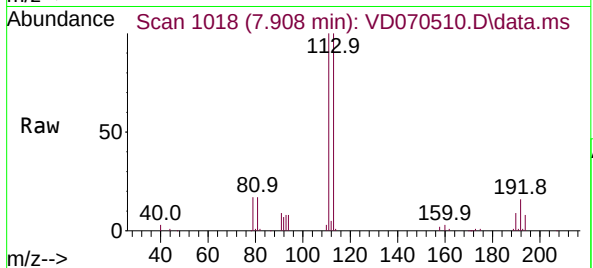
Tgt Ion:113 Resp: 159683

Ion Ratio Lower Upper

113 100

111 106.1 81.4 122.2

192 17.2 13.0 19.6



#36

1,1-Dichloropropene

Concen: 4.169 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070510.D

Acq: 28 Sep 2021 18:48

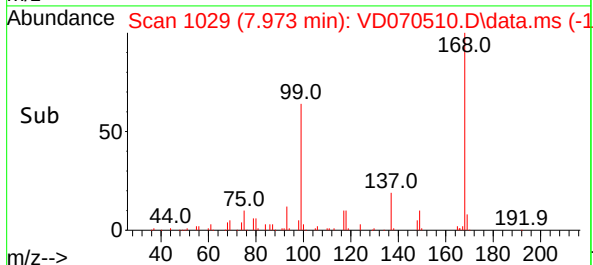
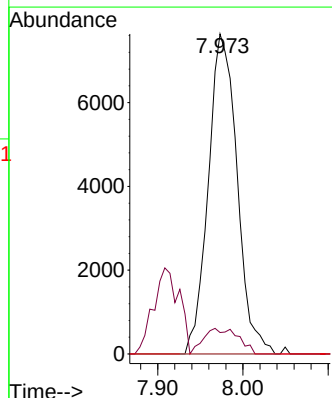
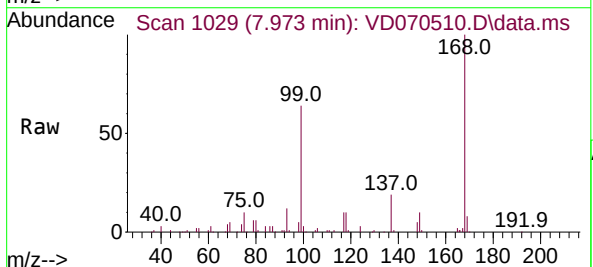
Tgt Ion: 75 Resp: 17962

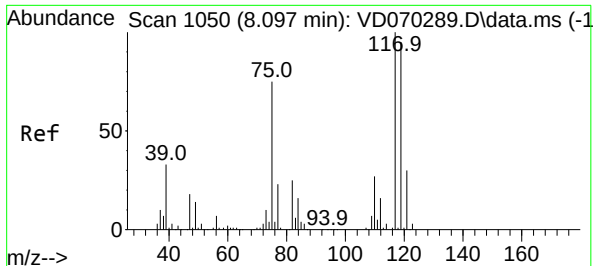
Ion Ratio Lower Upper

75 100

110 9.3 17.9 53.7#

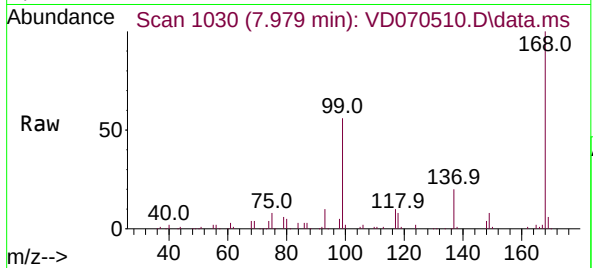
77 0.0 25.3 37.9#



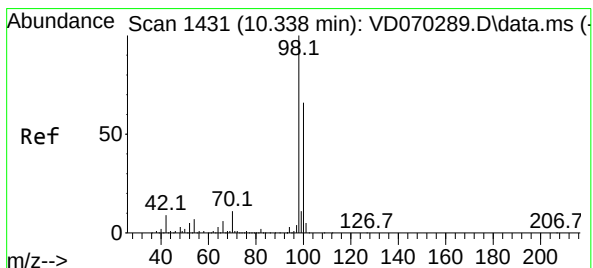
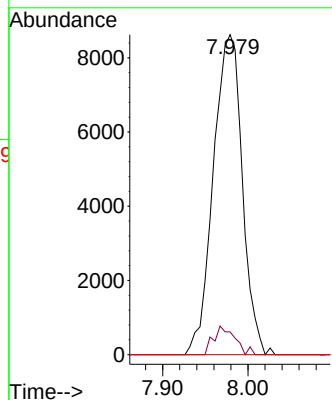
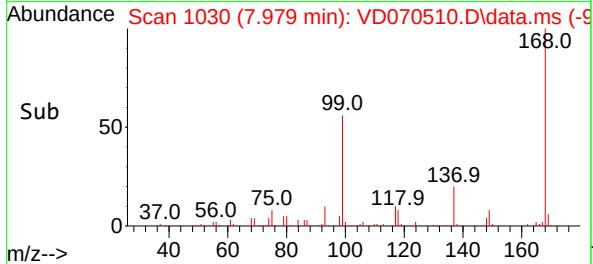


#38
Carbon Tetrachloride
Concen: 4.785 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

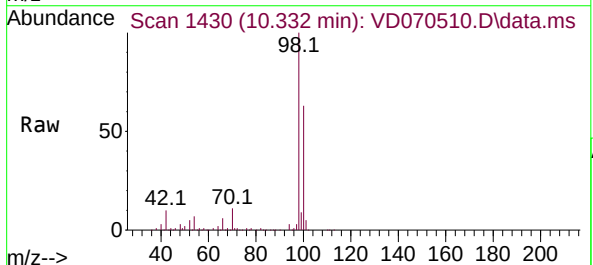
Instrument :
MSVOA_D
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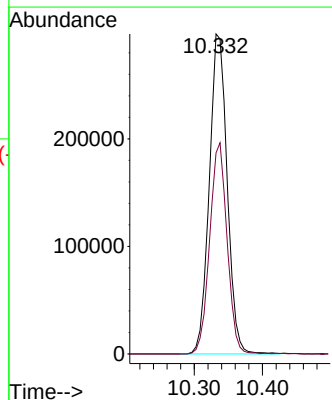
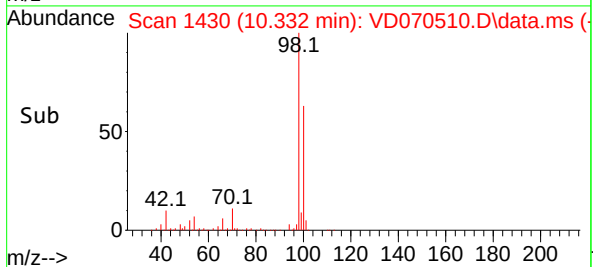
Tgt Ion:117 Resp: 20385
Ion Ratio Lower Upper
117 100
119 7.1 76.1 114.1#
121 0.0 23.8 35.6#

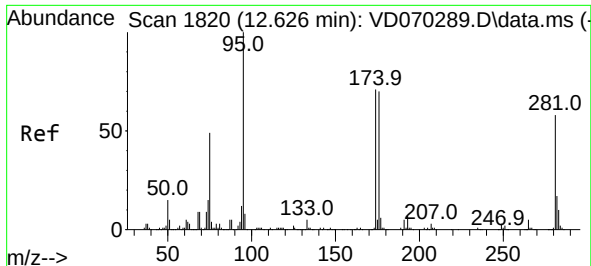


#50
Toluene-d8
Concen: 52.157 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48



Tgt Ion: 98 Resp: 543281
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0

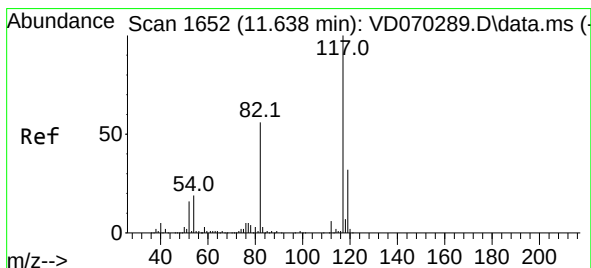
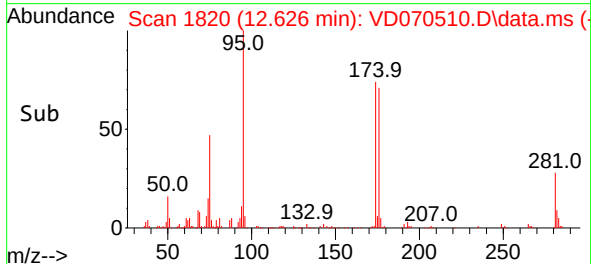
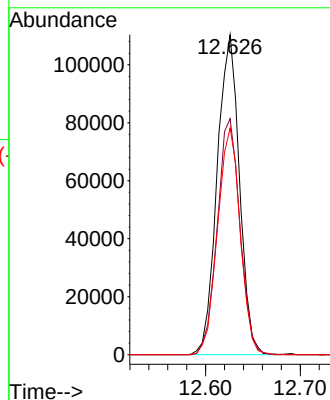
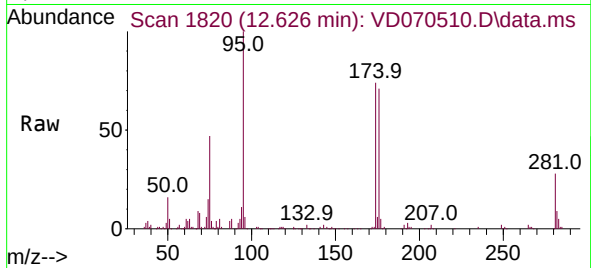




#62
4-Bromofluorobenzene
Concen: 49.500 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

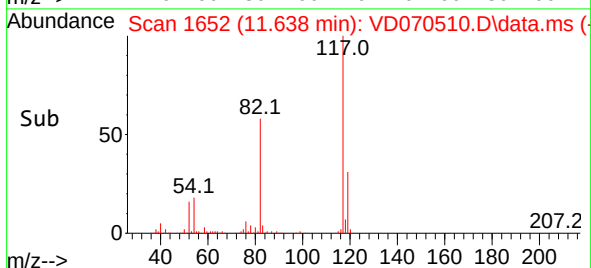
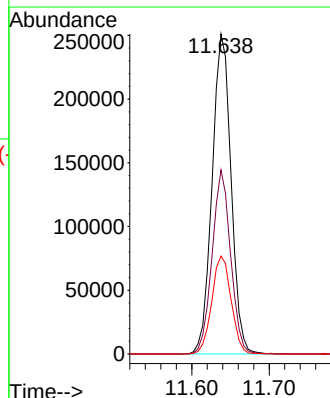
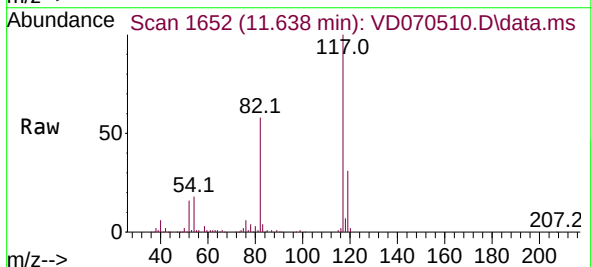
Instrument :
MSVOA_D
ClientSampleId :
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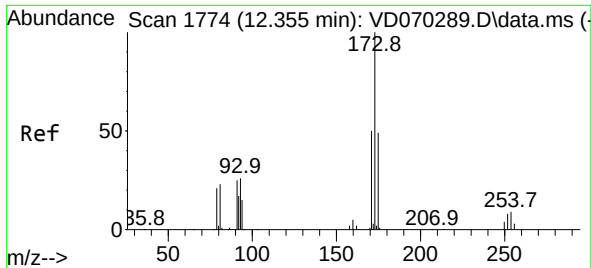
Tgt Ion: 95 Resp: 180195
Ion Ratio Lower Upper
95 100
174 75.3 0.0 140.6
176 71.9 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

Tgt Ion:117 Resp: 427434
Ion Ratio Lower Upper
117 100
82 57.5 45.0 67.4
119 30.6 25.2 37.8

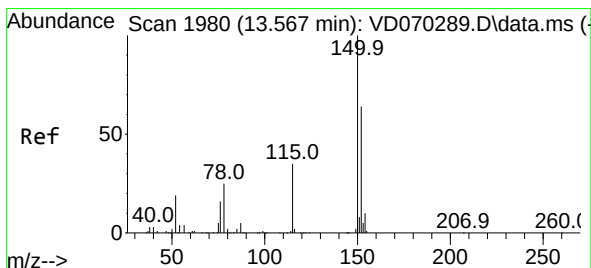
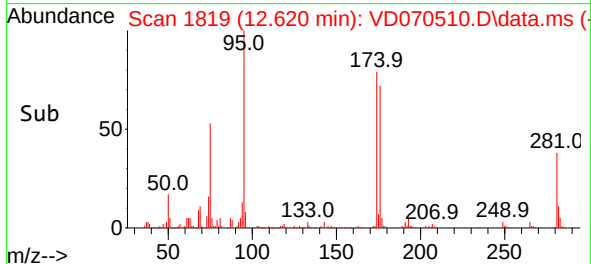
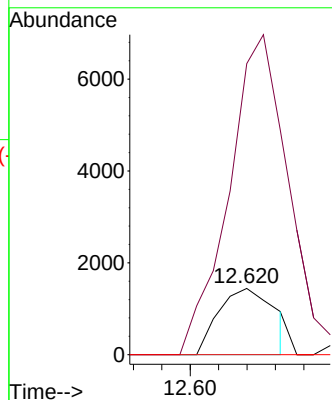
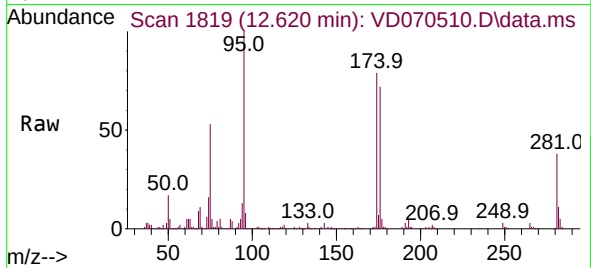




#71
Bromoform
Concen: 1.237 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

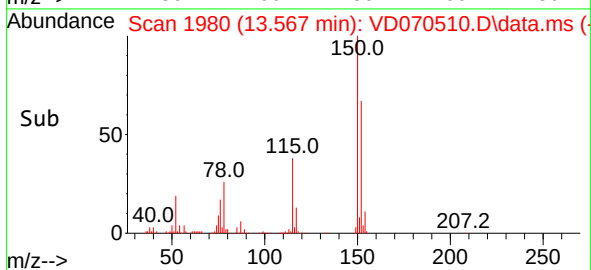
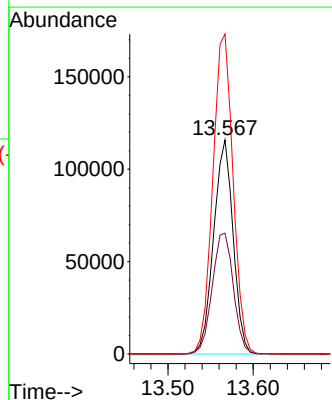
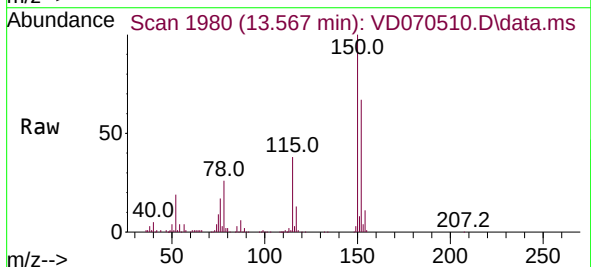
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-05(6-8)

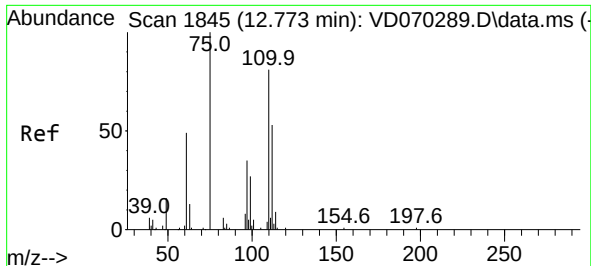
Tgt Ion:173 Resp: 1983
Ion Ratio Lower Upper
173 100
175 438.9 25.1 75.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

Tgt Ion:152 Resp: 183829
Ion Ratio Lower Upper
152 100
115 61.3 32.1 96.3
150 155.4 0.0 350.6

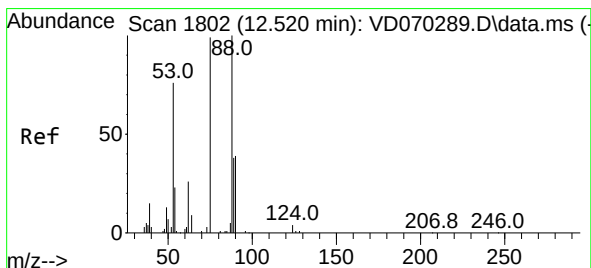
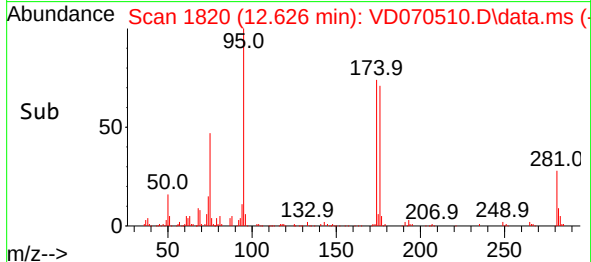
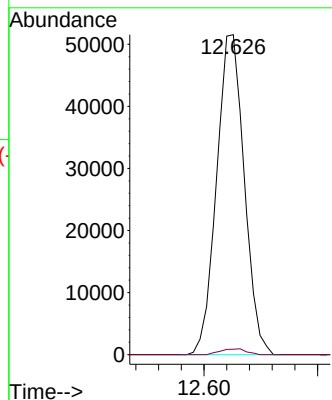
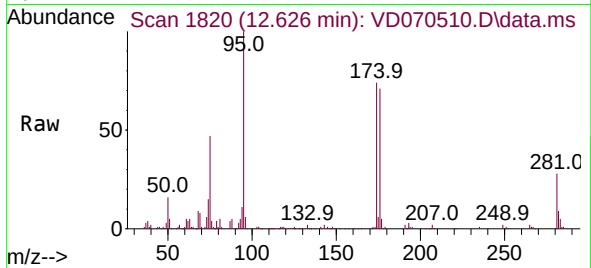




#76
1,2,3-Trichloropropane
Concen: 46.903 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-05(6-8)

Tgt Ion: 75 Resp: 87214
Ion Ratio Lower Upper
75 100
77 1.7 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.520 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070510.D
Acq: 28 Sep 2021 18:48

Tgt Ion: 75 Resp: 87214
Ion Ratio Lower Upper
75 100
53 0.2 64.2 96.2#
89 0.1 35.6 53.4#

