

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
 Data File : VD070501.D
 Acq On : 28 Sep 2021 14:34
 Operator : VA/SY
 Sample : M3922-04
 Misc : 5.68G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SUB-SLAB-02-(43-45)

Quant Time: Sep 28 23:42:31 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)

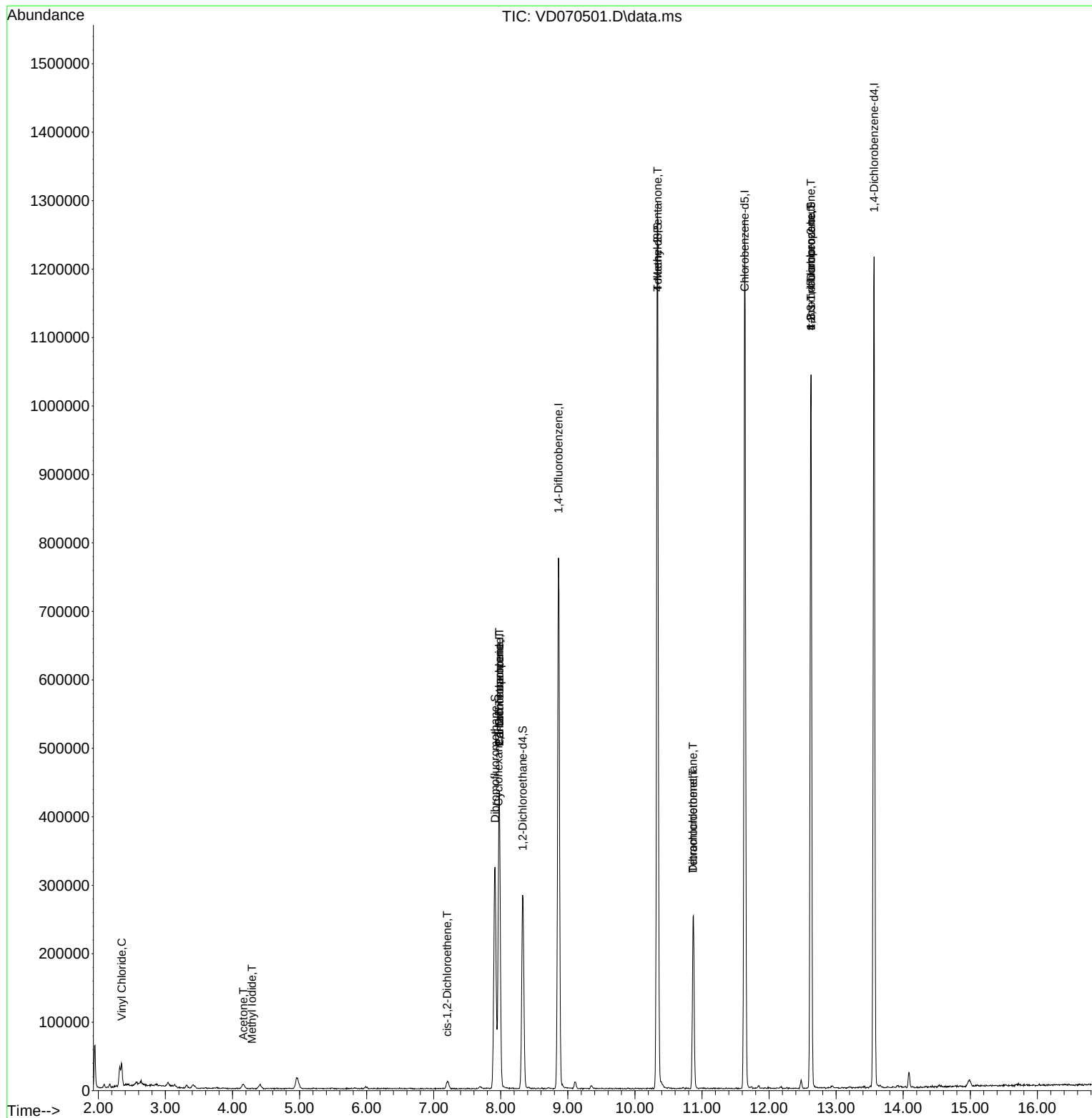
Internal Standards						
1) Pentafluorobenzene	7.979	168	305917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	674346	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	740482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	328543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	228253	58.109	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.220%	
35) Dibromofluoromethane	7.914	113	245105	51.063	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.120%	
50) Toluene-d8	10.338	98	908461	52.127	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.260%	
62) 4-Bromofluorobenzene	12.626	95	337867	55.471	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.940%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.003	85	61	Below Cal	#	43
3) Chloromethane	2.214	50	597	Below Cal	#	71
4) Vinyl Chloride	2.350	62	15813	3.285	ug/l #	81
5) Bromomethane	2.762	94	344	Below Cal	#	55
6) Chloroethane	2.644	64	117	Below Cal	#	43
10) Methyl Iodide	4.291	142	361	1.122	ug/l #	57
16) Acetone	4.161	43	11875	16.933	ug/l	95
18) Methyl Acetate	4.814	43	139	Below Cal	#	48
20) Methylene Chloride	4.956	84	13126	Below Cal	#	83
27) cis-1,2-Dichloroethene	7.202	96	6751	1.482	ug/l	88
31) Cyclohexane	7.967	56	7361	1.088	ug/l #	3
36) 1,1-Dichloropropene	7.979	75	25763	3.574	ug/l #	49
38) Carbon Tetrachloride	7.979	117	34014	4.771	ug/l #	18
51) 4-Methyl-2-Pentanone	10.338	43	2959	1.147	ug/l #	1
60) Dibromochloromethane	10.867	129	57999	12.695	ug/l #	11
64) Tetrachloroethene	10.867	164	59924	13.292	ug/l	97
76) 1,2,3-Trichloropropane	12.626	75	163360	49.157	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	163360	123.166	ug/l #	17

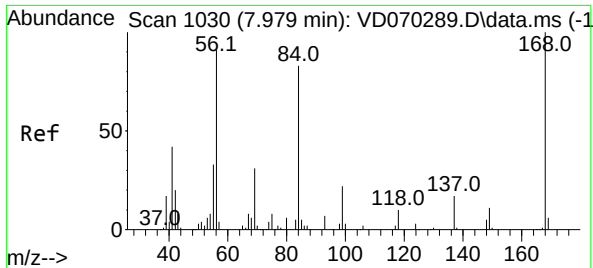
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 28 23:42:31 2021
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Response via : Initial Calibration

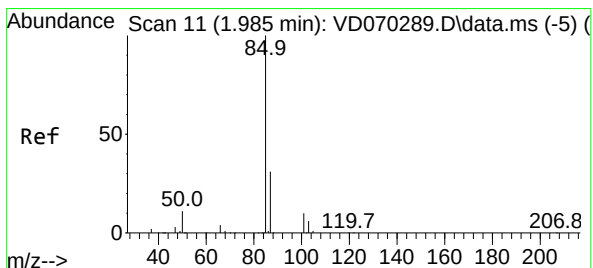
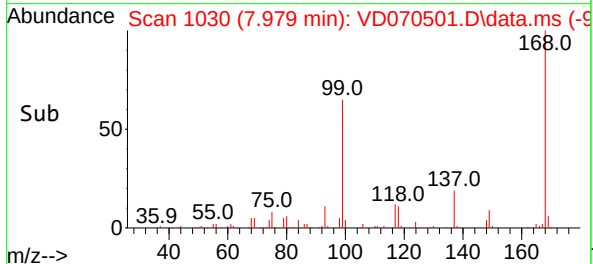
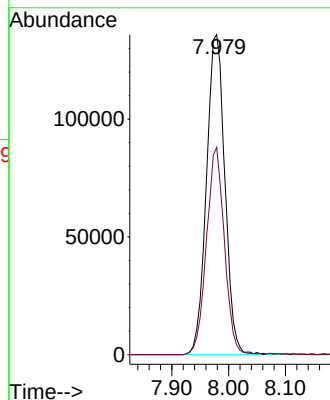
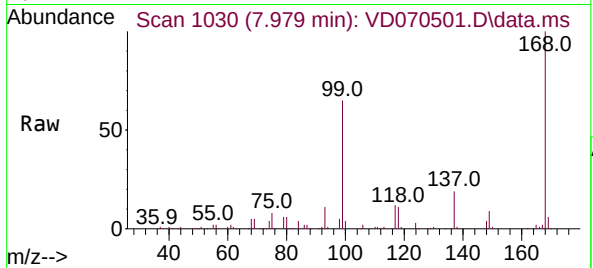




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

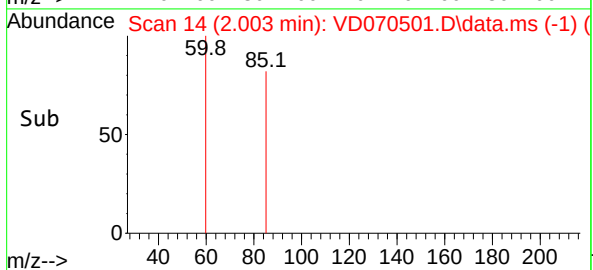
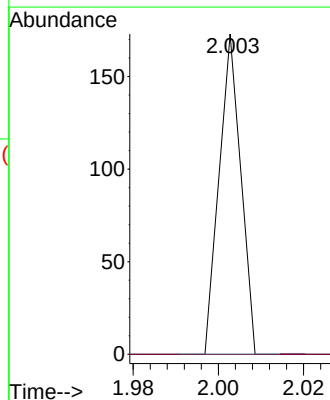
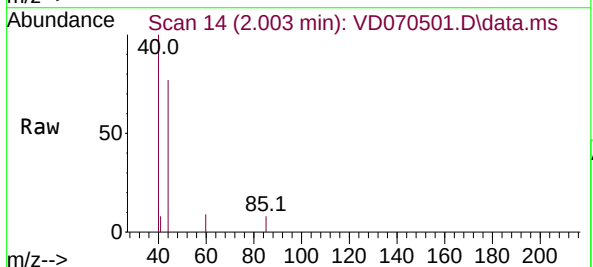
Instrument :
MSVOA_D
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SUB-SLAB-02-(43-45)

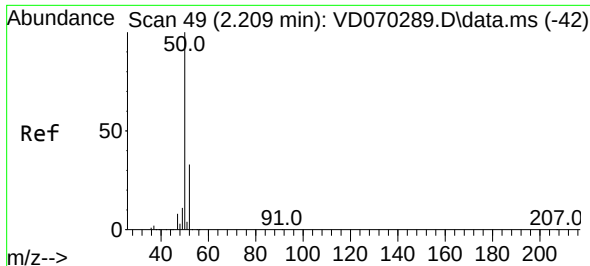
Tgt Ion:168 Resp: 305917
Ion Ratio Lower Upper
168 100
99 64.8 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.003 min Scan# 14
Delta R.T. 0.018 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

Tgt Ion: 85 Resp: 61
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

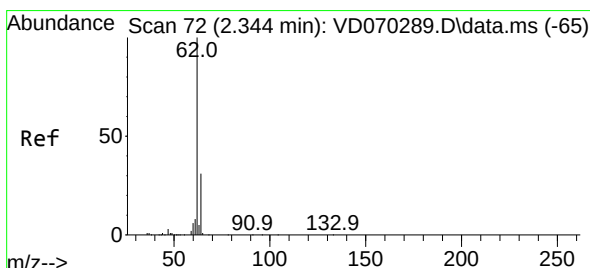
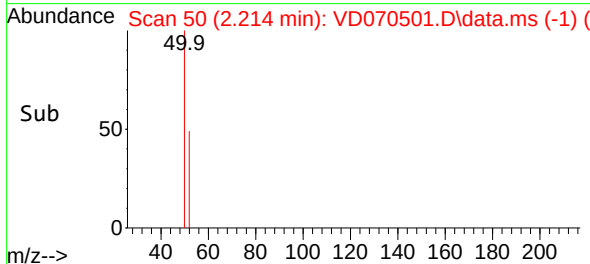
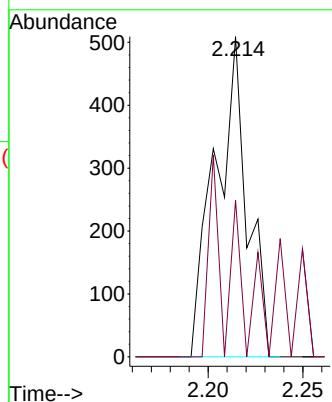
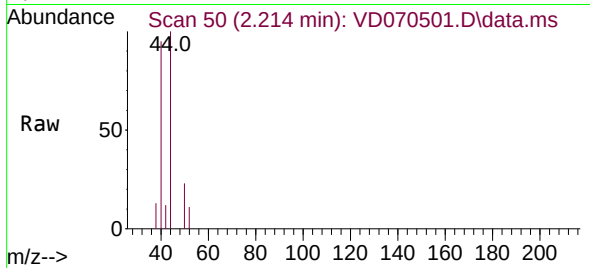




#3
Chloromethane
Concen: Below Cal
RT: 2.214 min Scan# 50
Delta R.T. 0.005 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

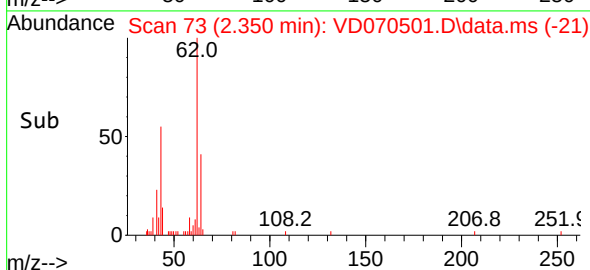
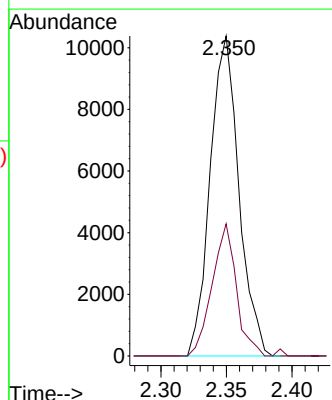
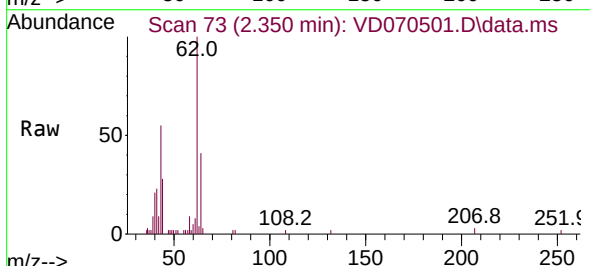
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-02-(43-45)

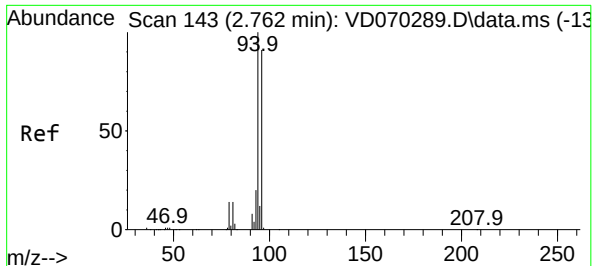
Tgt Ion: 50 Resp: 597
Ion Ratio Lower Upper
50 100
52 48.9 26.2 39.2#



#4
Vinyl Chloride
Concen: 3.285 ug/l
RT: 2.350 min Scan# 73
Delta R.T. 0.006 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

Tgt Ion: 62 Resp: 15813
Ion Ratio Lower Upper
62 100
64 41.3 24.6 36.8#

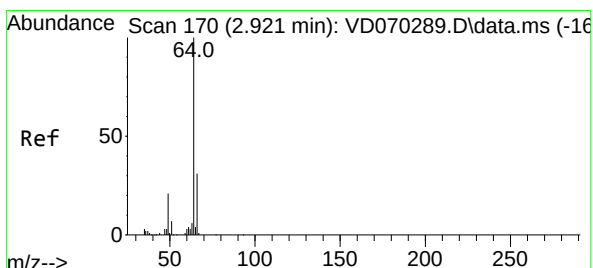
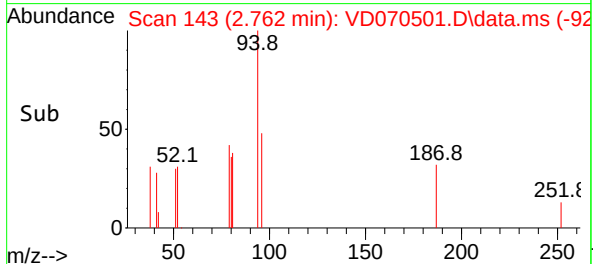
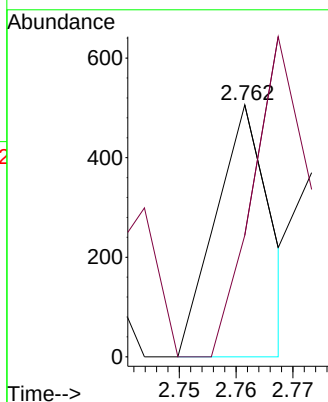
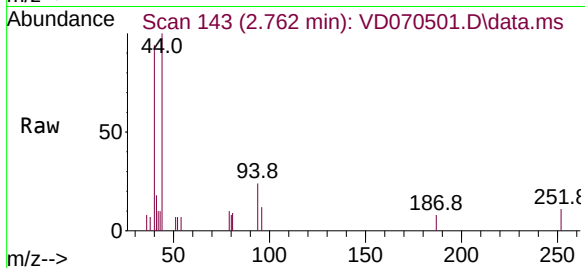




#5
Bromomethane
Concen: Below Cal
RT: 2.762 min Scan# 143
Delta R.T. -0.000 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

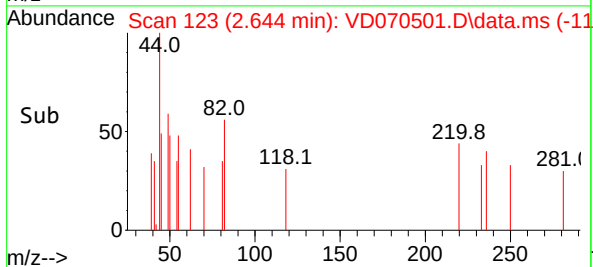
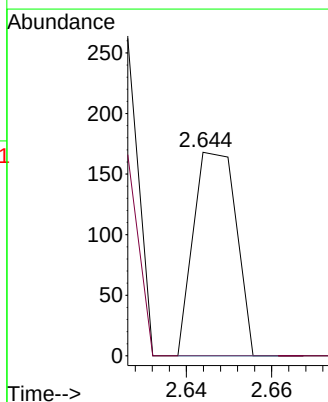
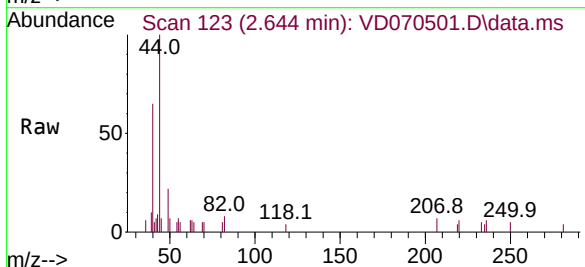
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-02-(43-45)

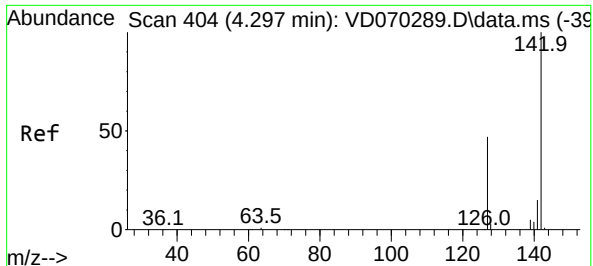
Tgt Ion: 94 Resp: 344
Ion Ratio Lower Upper
94 100
96 48.2 73.0 109.6#



#6
Chloroethane
Concen: Below Cal
RT: 2.644 min Scan# 123
Delta R.T. -0.277 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

Tgt Ion: 64 Resp: 117
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

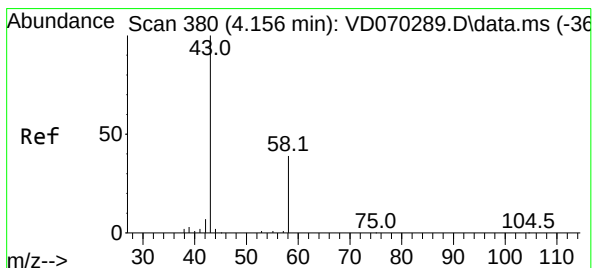
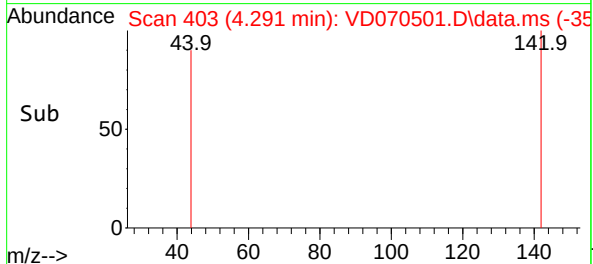
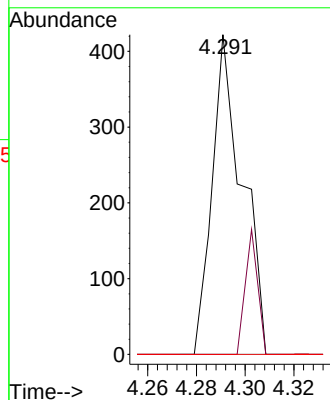
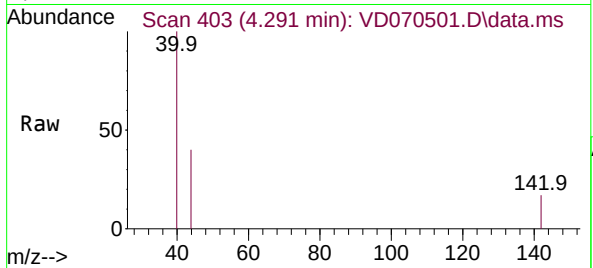




#10
Methyl Iodide
Concen: 1.122 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

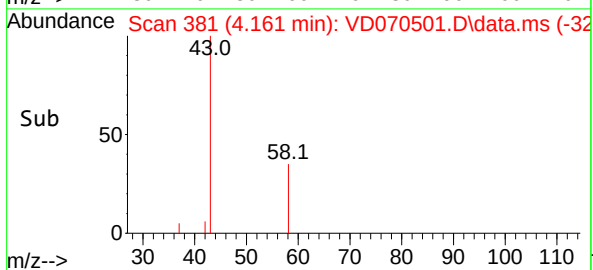
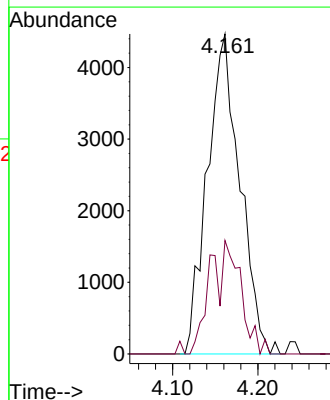
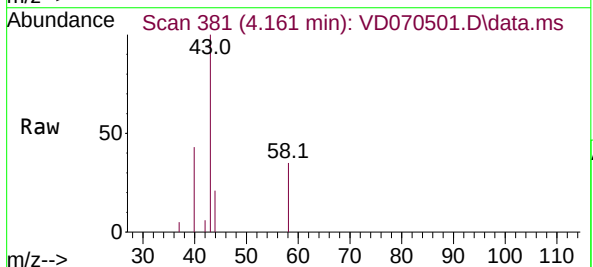
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-02-(43-45)

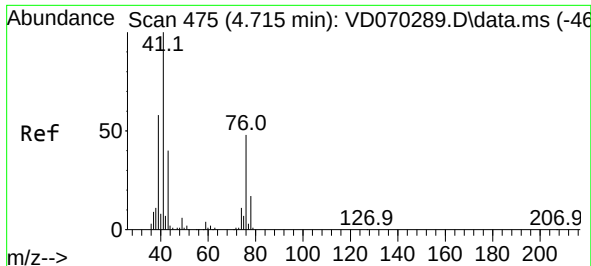
Tgt Ion:142 Resp: 361
Ion Ratio Lower Upper
142 100
127 16.1 36.9 55.3#
141 0.0 11.8 17.6#



#16
Acetone
Concen: 16.933 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

Tgt Ion: 43 Resp: 11875
Ion Ratio Lower Upper
43 100
58 35.4 30.9 46.3

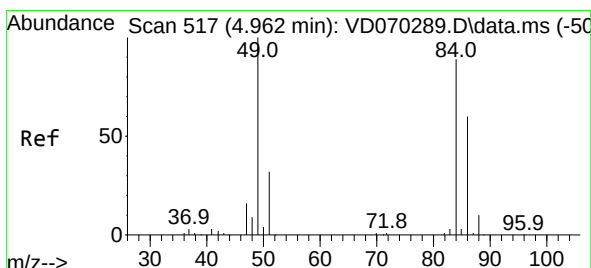
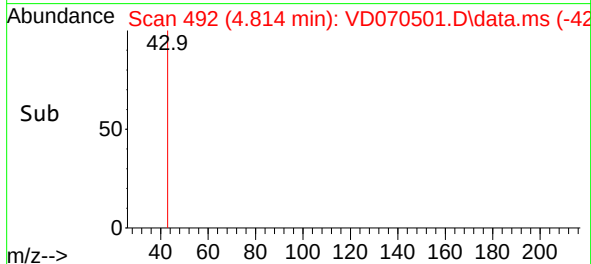
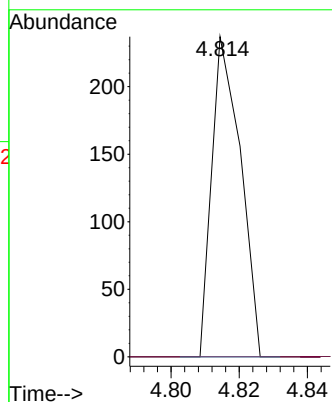
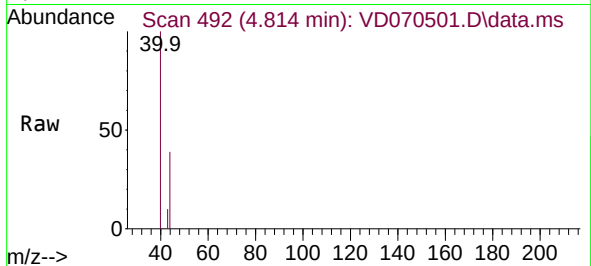




#18
Methyl Acetate
Concen: Below Cal
RT: 4.814 min Scan# 492
Delta R.T. 0.099 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

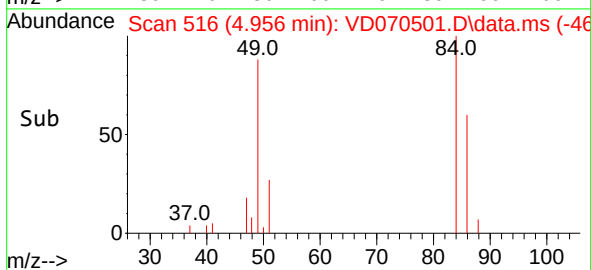
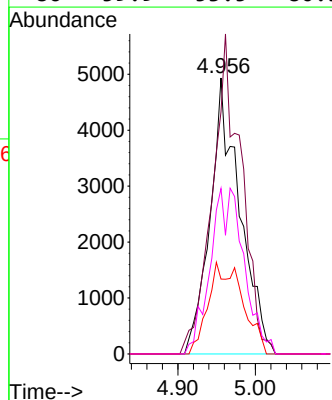
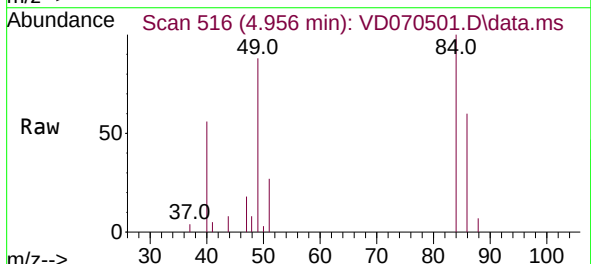
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-02-(43-45)

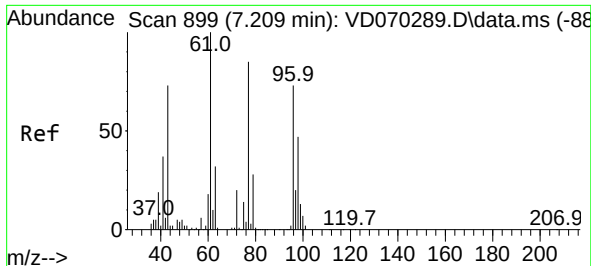
Tgt Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

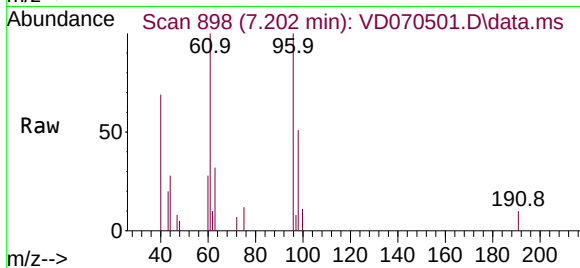
Tgt Ion: 84 Resp: 13126
Ion Ratio Lower Upper
84 100
49 87.7 89.6 134.4#
51 27.1 28.6 43.0#
86 59.9 53.5 80.3



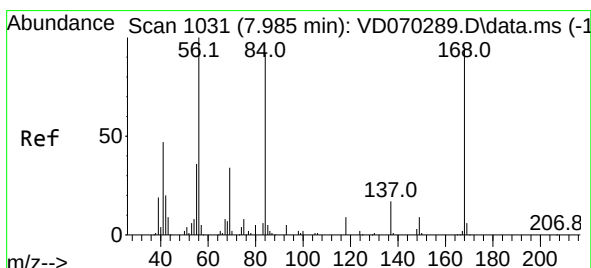
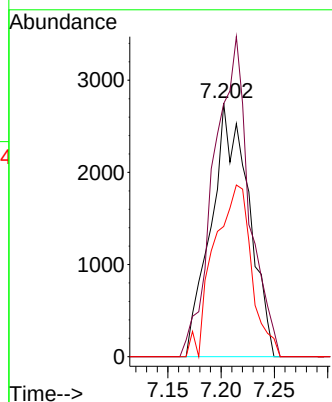
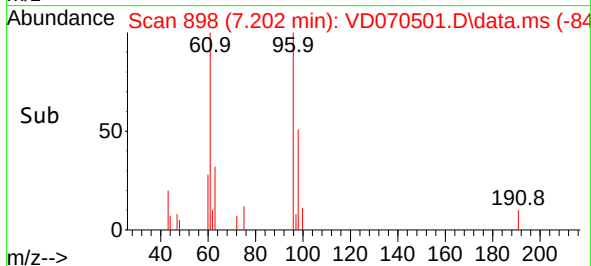


#27
 cis-1,2-Dichloroethene
 Concen: 1.482 ug/l
 RT: 7.202 min Scan# 898
 Delta R.T. -0.006 min
 Lab File: VD070501.D
 Acq: 28 Sep 2021 14:34

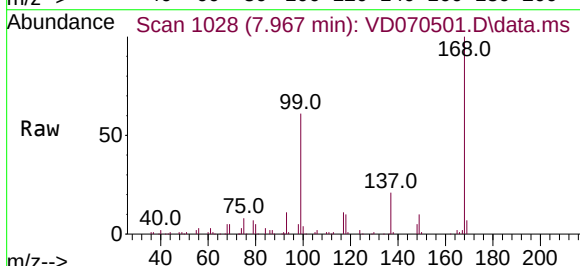
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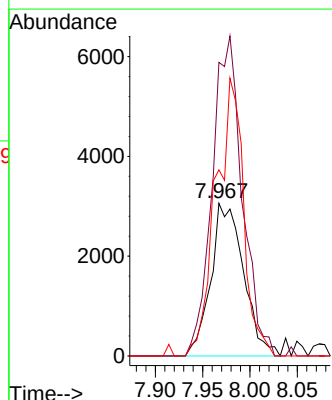
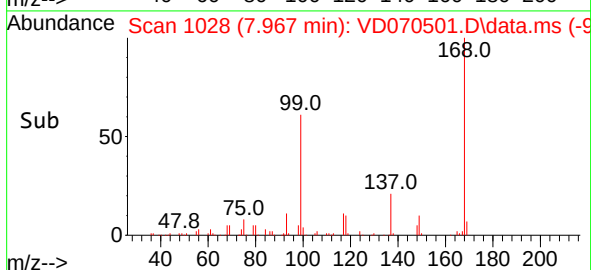
Tgt Ion:	96	Resp:	6751
Ion	Ratio	Lower	Upper
96	100		
61	118.8	0.0	277.4
98	67.7	0.0	130.0

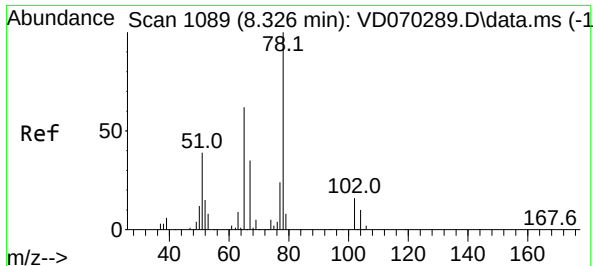


#31
 Cyclohexane
 Concen: 1.088 ug/l
 RT: 7.967 min Scan# 1028
 Delta R.T. -0.018 min
 Lab File: VD070501.D
 Acq: 28 Sep 2021 14:34



Tgt Ion:	56	Resp:	7361
Ion	Ratio	Lower	Upper
56	100		
69	192.3	26.9	40.3#
84	121.9	73.6	110.4#

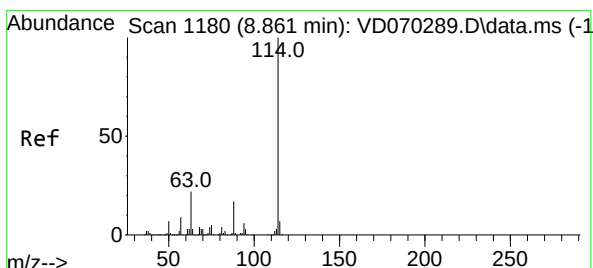
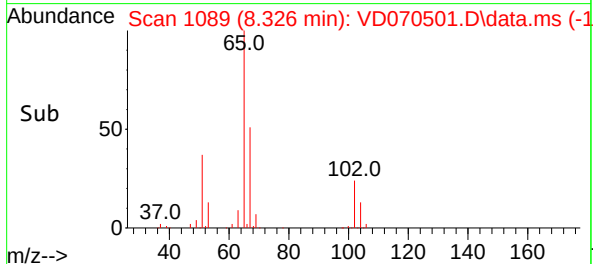
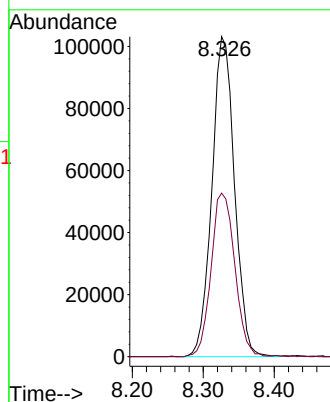
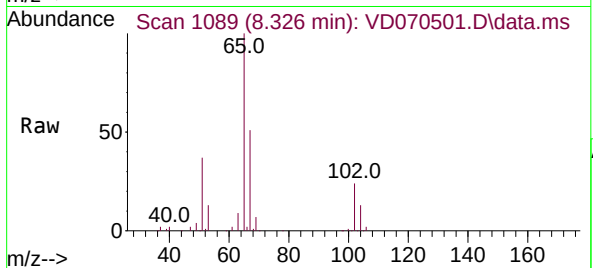




#33
1,2-Dichloroethane-d4
Concen: 58.109 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

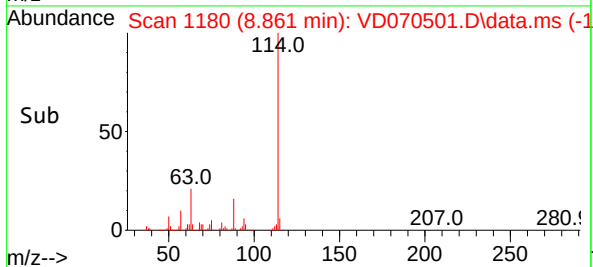
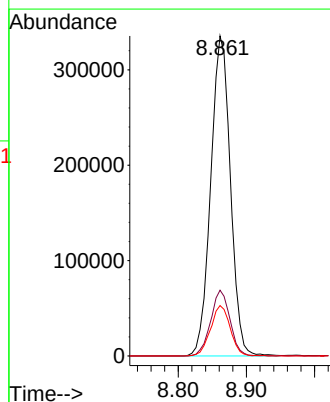
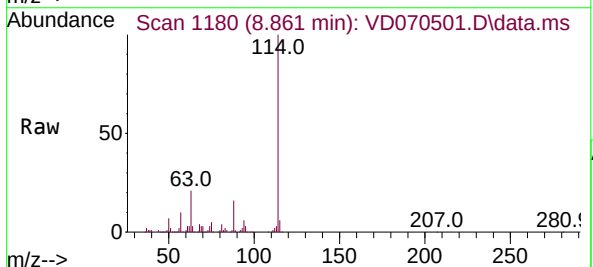
Instrument :
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SUB-SLAB-02-(43-45)

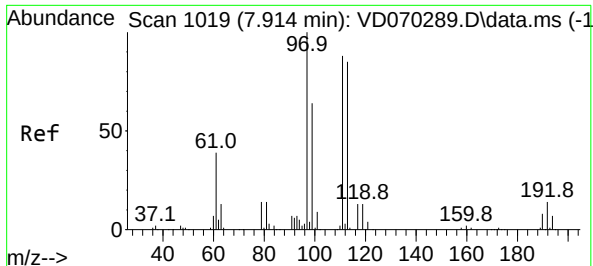
Tgt Ion: 65 Resp: 228253
Ion Ratio Lower Upper
65 100
67 53.6 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

Tgt Ion:114 Resp: 674346
Ion Ratio Lower Upper
114 100
63 20.6 0.0 43.4
88 15.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.063 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070501.D

Acq: 28 Sep 2021 14:34

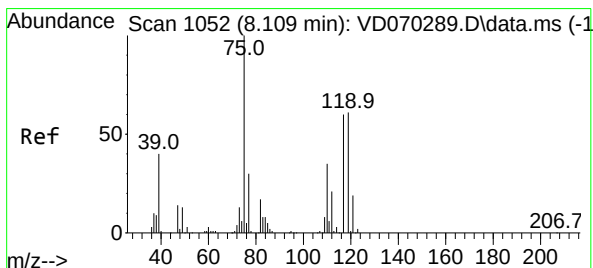
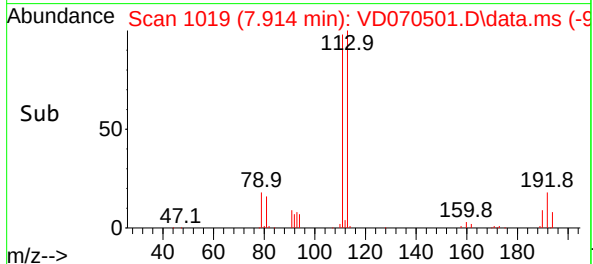
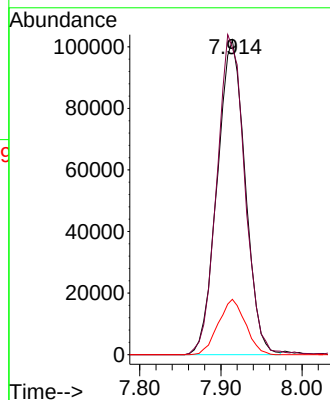
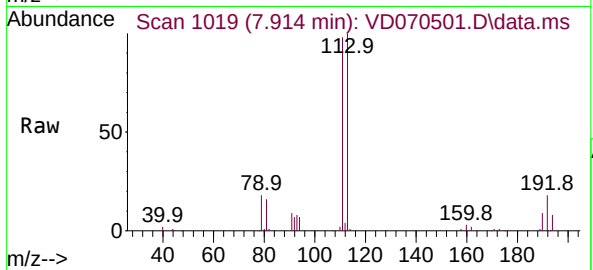
Tgt Ion:113 Resp: 245105

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.2

192 17.0 13.0 19.6



#36

1,1-Dichloropropene

Concen: 3.574 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD070501.D

Acq: 28 Sep 2021 14:34

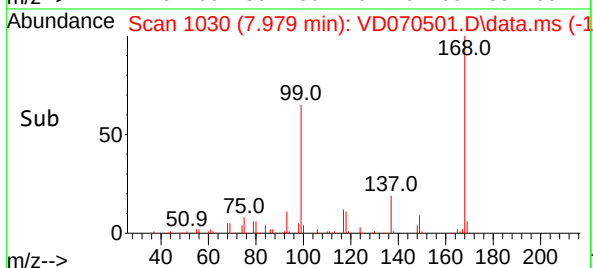
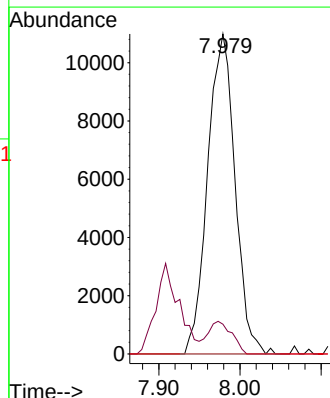
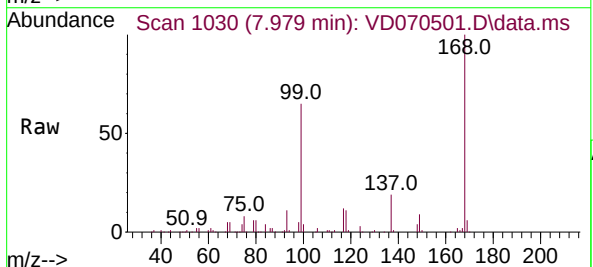
Tgt Ion: 75 Resp: 25763

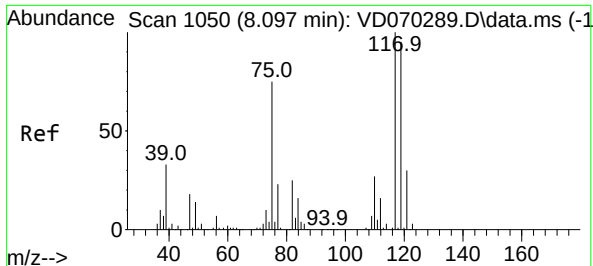
Ion Ratio Lower Upper

75 100

110 9.0 17.9 53.7#

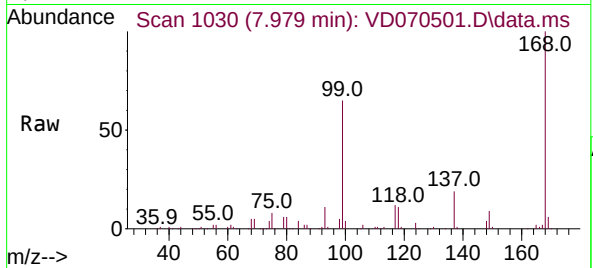
77 0.0 25.3 37.9#



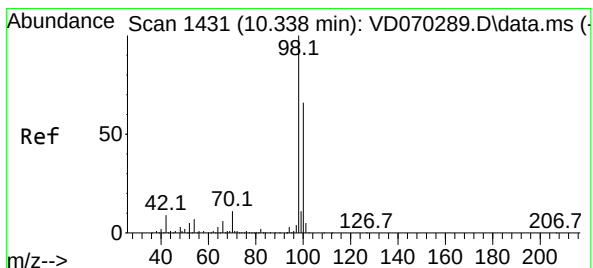
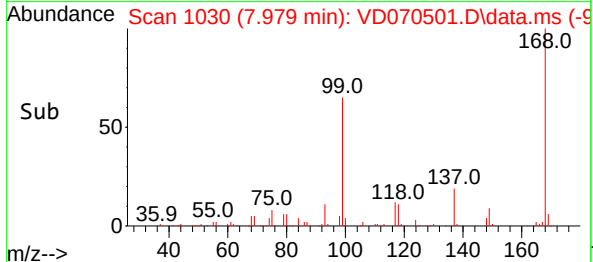
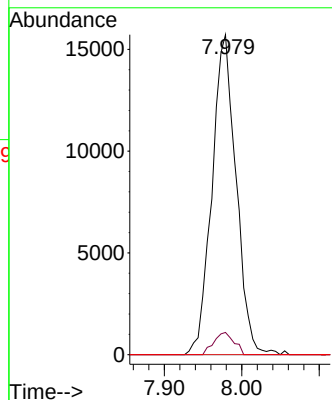


#38
Carbon Tetrachloride
Concen: 4.771 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-02-(43-45)

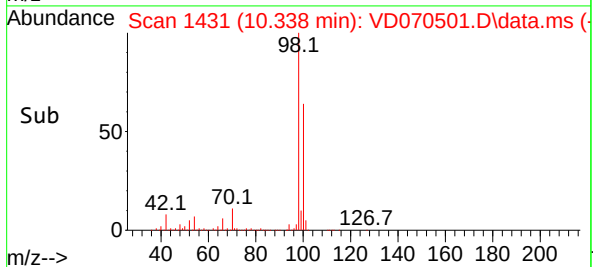
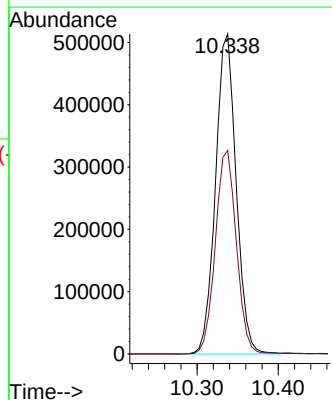
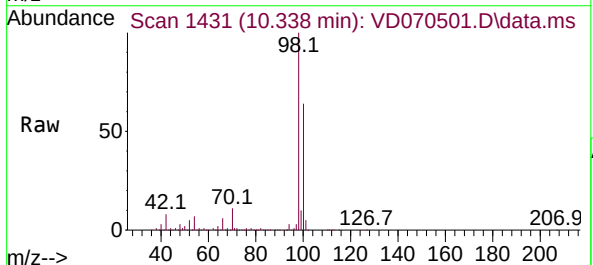


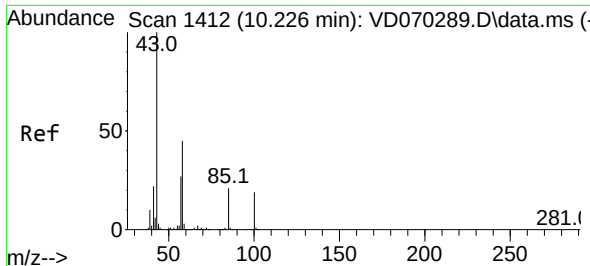
Tgt Ion:117 Resp: 34014
Ion Ratio Lower Upper
117 100
119 6.9 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 52.127 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

Tgt Ion: 98 Resp: 908461
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

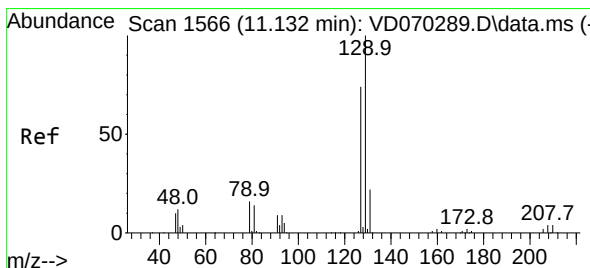
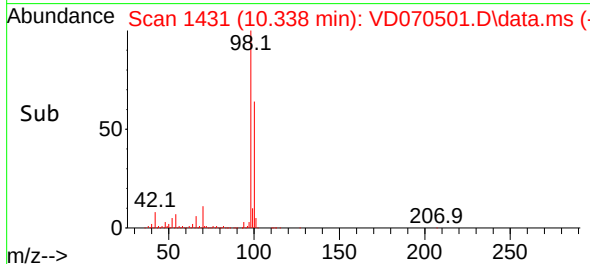
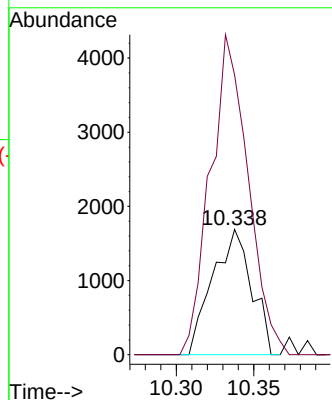
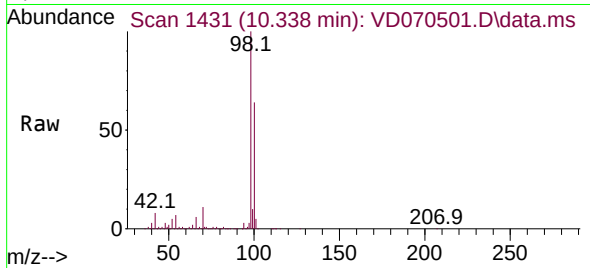




#51
4-Methyl-2-Pentanone
Concen: 1.147 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

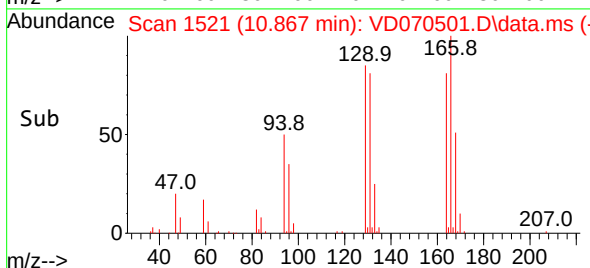
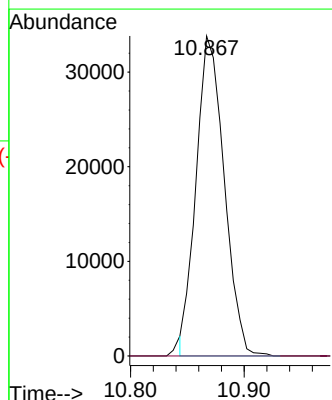
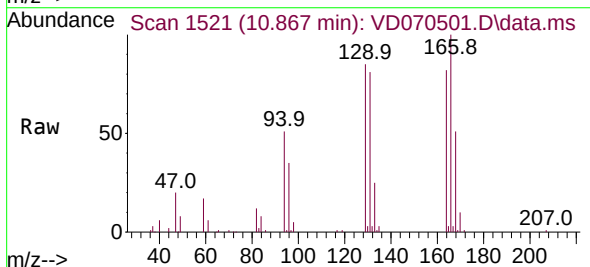
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-02-(43-45)

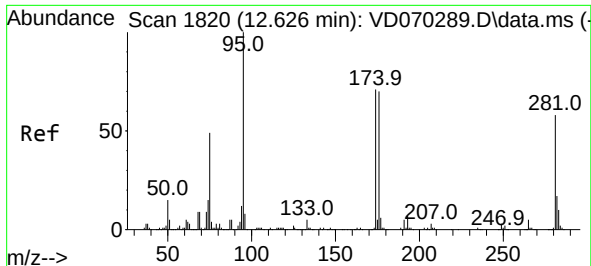
Tgt Ion: 43 Resp: 2959
Ion Ratio Lower Upper
43 100
58 247.0 35.4 53.2#



#60
Dibromochloromethane
Concen: 12.695 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. -0.265 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

Tgt Ion: 129 Resp: 57999
Ion Ratio Lower Upper
129 100
127 0.0 38.0 114.0#

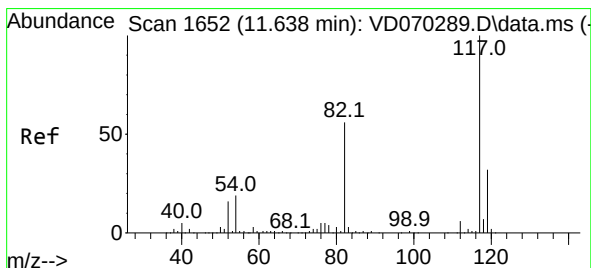
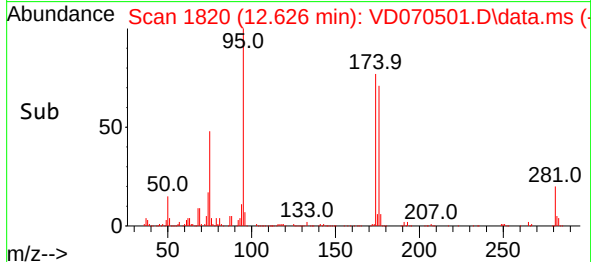
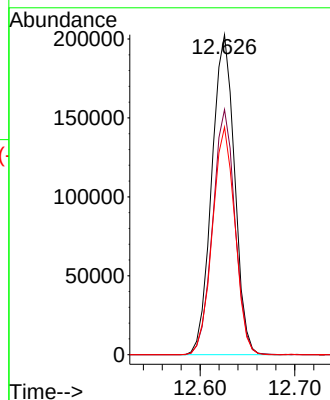
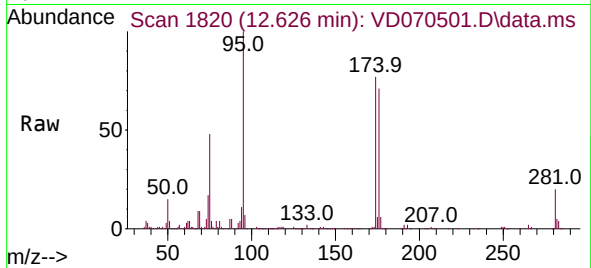




#62
4-Bromofluorobenzene
Concen: 55.471 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

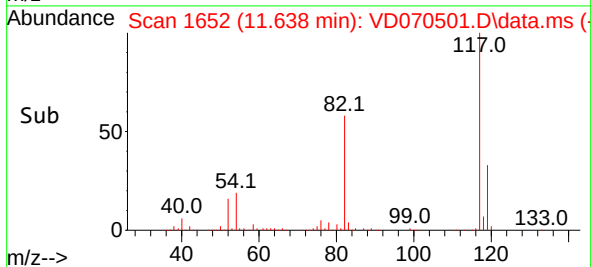
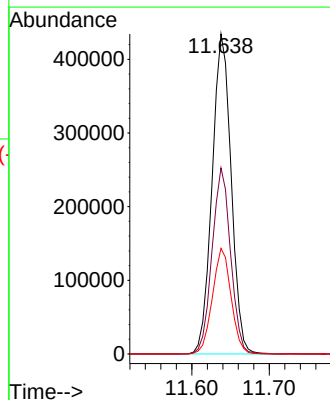
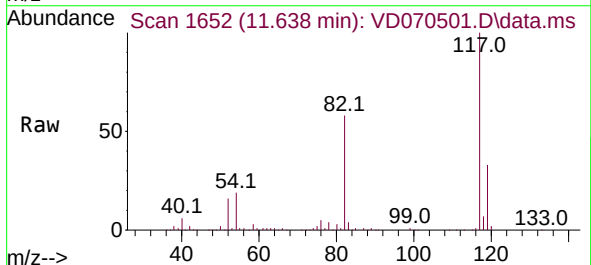
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-02-(43-45)

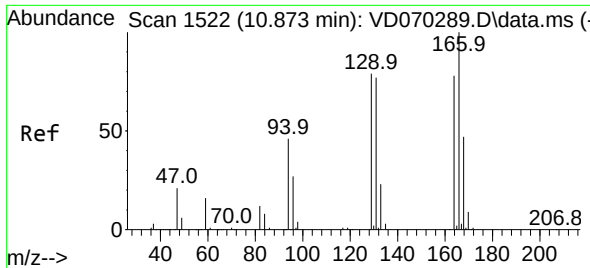
Tgt Ion: 95 Resp: 337867
Ion Ratio Lower Upper
95 100
174 75.0 0.0 140.6
176 70.6 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

Tgt Ion: 117 Resp: 740482
Ion Ratio Lower Upper
117 100
82 58.2 45.0 67.4
119 33.0 25.2 37.8

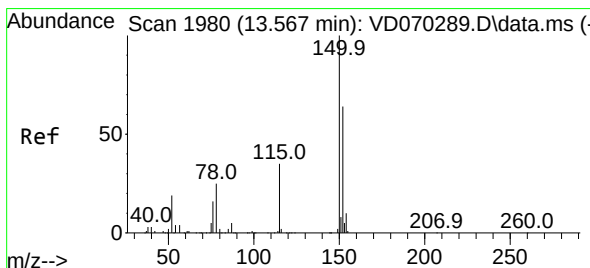
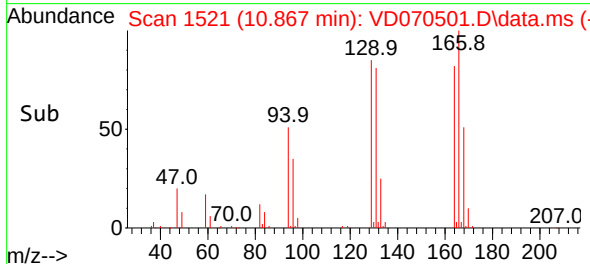
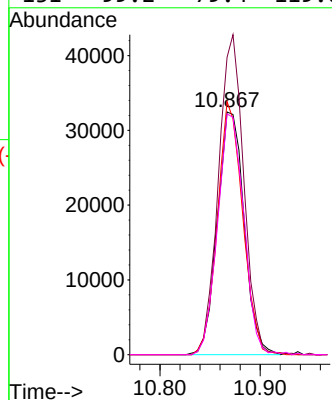
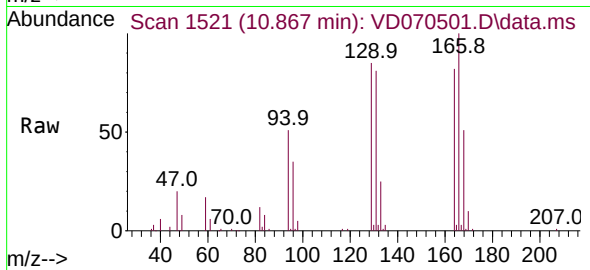




#64
Tetrachloroethene
Concen: 13.292 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. -0.006 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

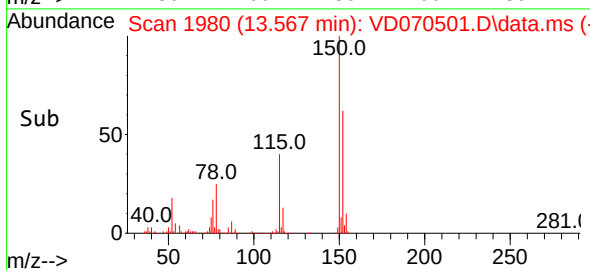
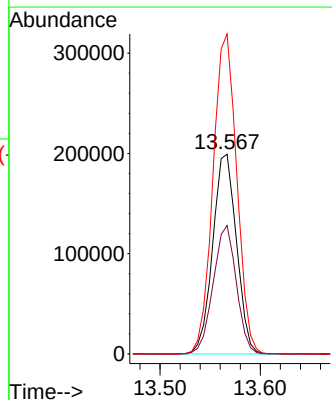
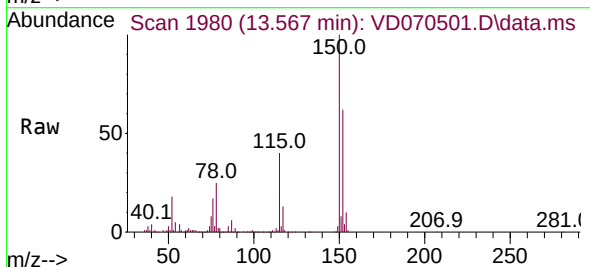
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-02-(43-45)

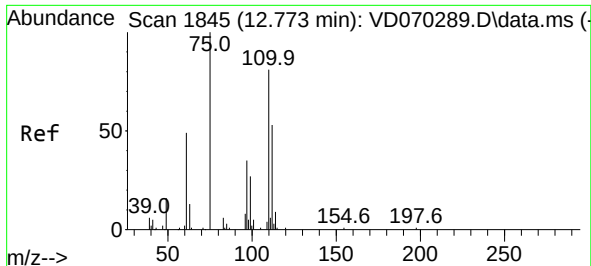
Tgt Ion:164	Resp:	59924
Ion Ratio	Lower	Upper
164	100	
166	122.5	102.4 153.6
129	104.2	80.9 121.3
131	99.2	79.4 119.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

Tgt Ion:152	Resp:	328543
Ion Ratio	Lower	Upper
152	100	
115	62.5	32.1 96.3
150	160.2	0.0 350.6

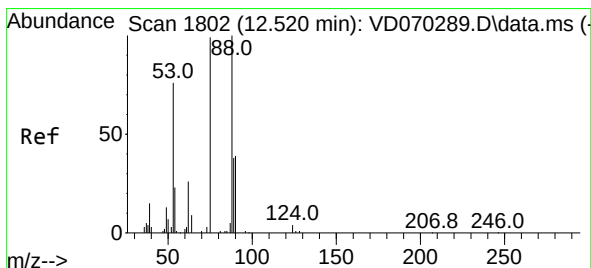
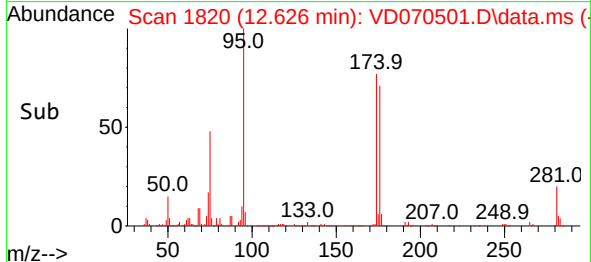
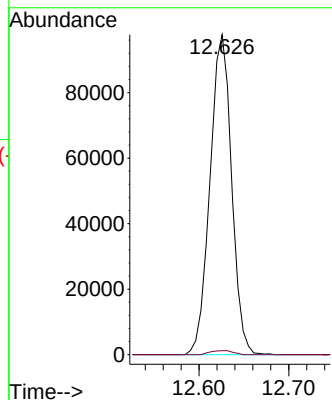
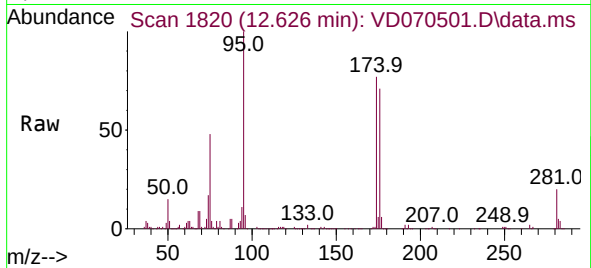




#76
1,2,3-Trichloropropane
Concen: 49.157 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-02-(43-45)

Tgt Ion: 75 Resp: 163360
Ion Ratio Lower Upper
75 100
77 1.3 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.166 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070501.D
Acq: 28 Sep 2021 14:34

Tgt Ion: 75 Resp: 163360
Ion Ratio Lower Upper
75 100
53 0.1 64.2 96.2#
89 0.1 35.6 53.4#

