

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
 Data File : VD070507.D
 Acq On : 28 Sep 2021 17:24
 Operator : VA/SY
 Sample : M3938-02
 Misc : 6.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SUB-SLAB-07(8-10)

Quant Time: Sep 28 23:44:03 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)

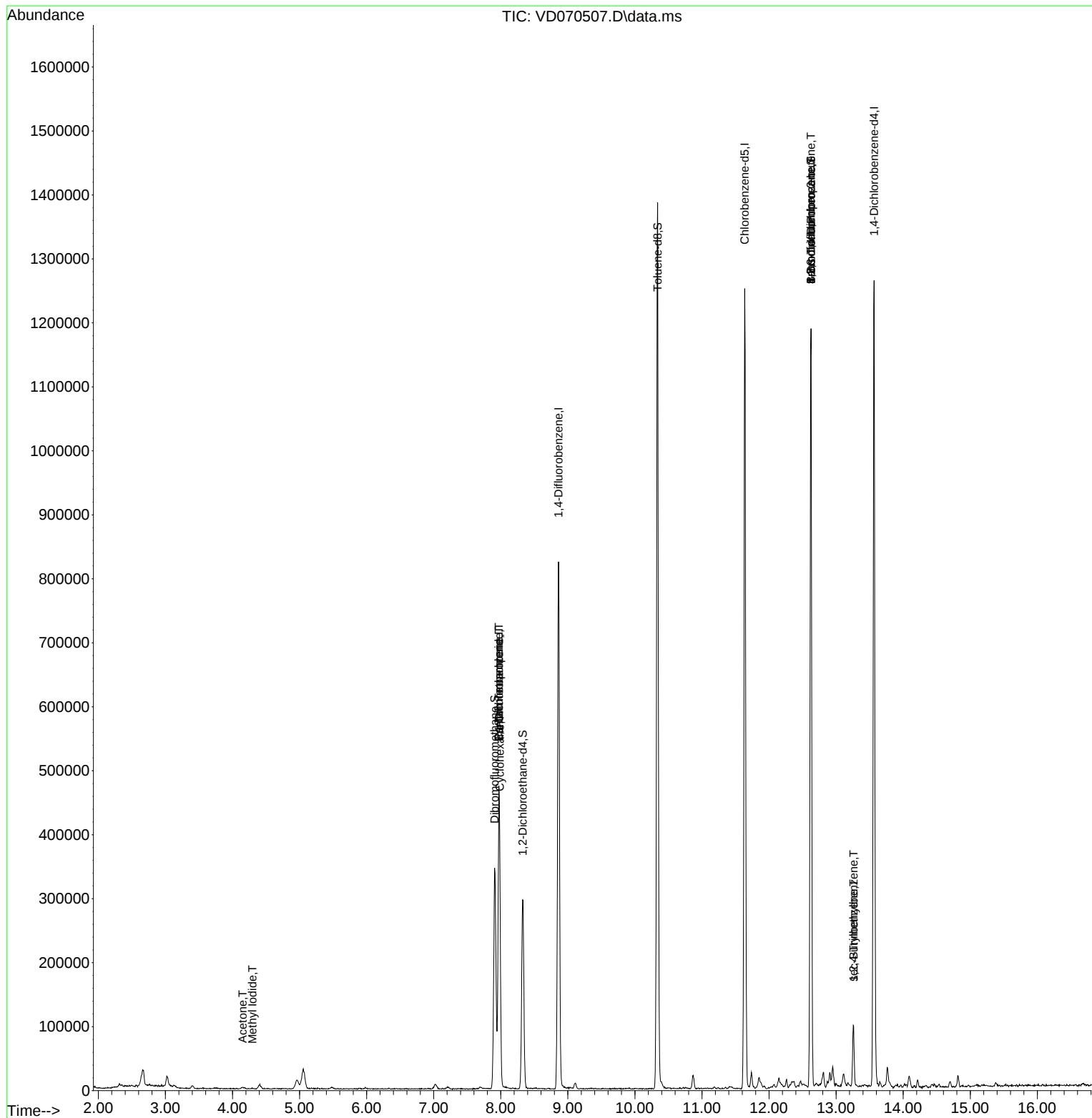
Internal Standards						
1) Pentafluorobenzene	7.973	168	327797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	716405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	740577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	334782	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	240310	57.094	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.180%	
35) Dibromofluoromethane	7.908	113	255812	50.164	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.320%	
50) Toluene-d8	10.338	98	953652	51.507	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.020%	
62) 4-Bromofluorobenzene	12.626	95	351180	54.272	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.540%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	65	Below Cal	#	43
3) Chloromethane	2.209	50	463	Below Cal	#	78
5) Bromomethane	2.756	94	1438	Below Cal	#	73
6) Chloroethane	2.956	64	59	Below Cal	#	43
10) Methyl Iodide	4.297	142	412	1.128	ug/l #	39
16) Acetone	4.150	43	4278	5.693	ug/l #	75
18) Methyl Acetate	4.709	43	138	Below Cal	#	48
20) Methylene Chloride	4.950	84	5956	Below Cal	#	83
31) Cyclohexane	7.985	56	8801	1.214	ug/l #	16
36) 1,1-Dichloropropene	7.973	75	29548	3.859	ug/l #	44
38) Carbon Tetrachloride	7.973	117	35533	4.692	ug/l #	17
71) Bromoform	12.626	173	3056	1.100	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	166744	49.240	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	166744	123.375	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.261	105	55960	2.805	ug/l	96
85) sec-Butylbenzene	13.261	105	55960	2.166	ug/l #	57

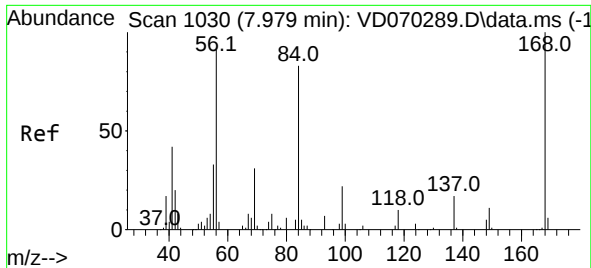
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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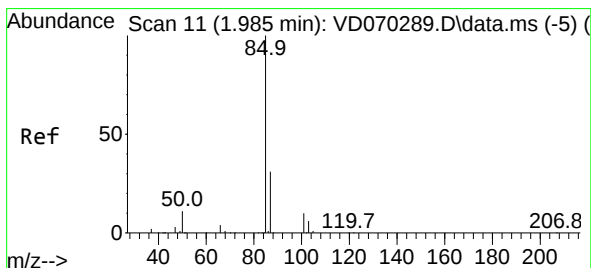
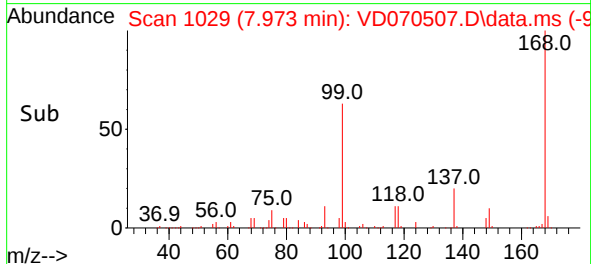
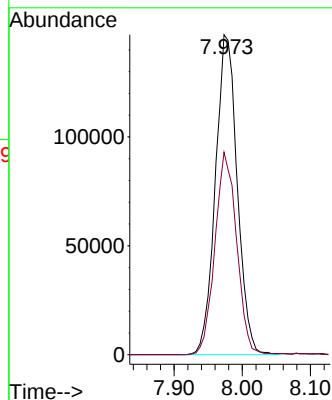
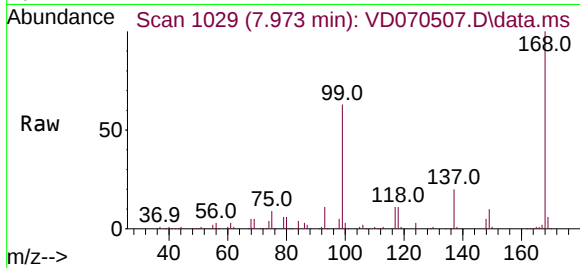




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

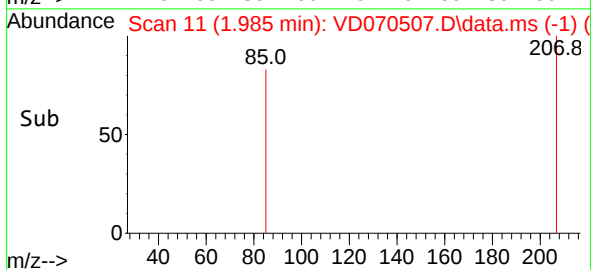
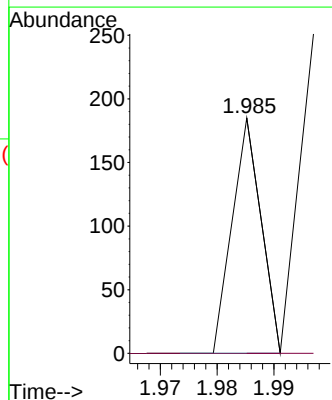
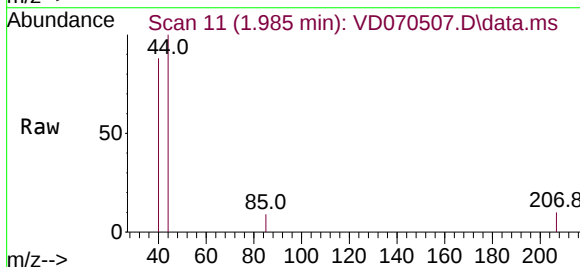
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-07(8-10)

Tgt Ion:168 Resp: 327797
Ion Ratio Lower Upper
168 100
99 63.3 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

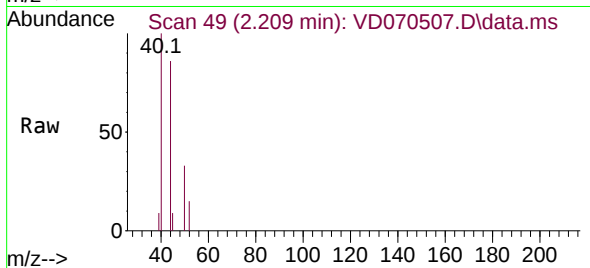
Tgt Ion: 85 Resp: 65
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#



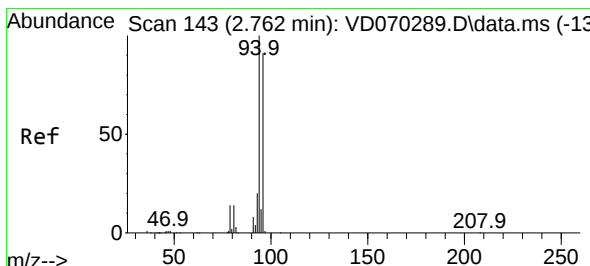
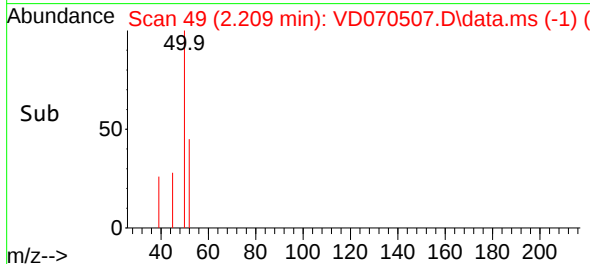
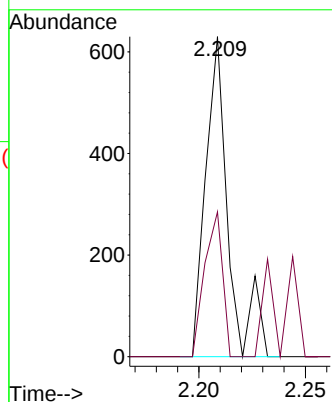


#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-07(8-10)

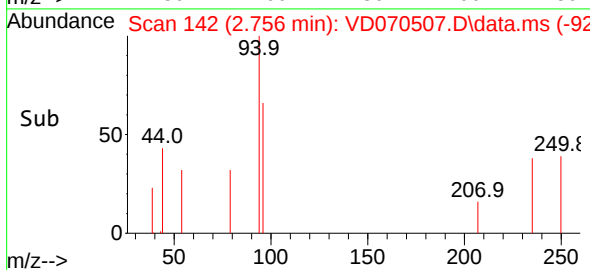
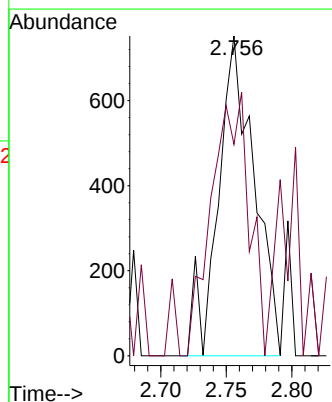
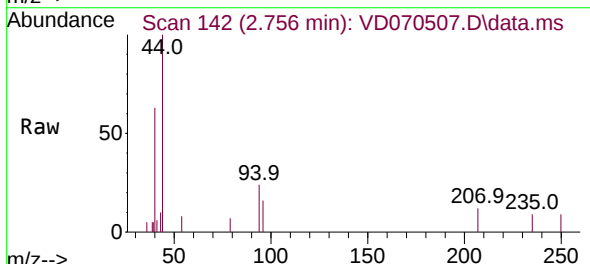


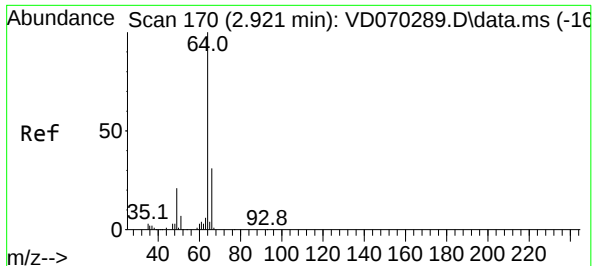
Tgt Ion: 50 Resp: 463
Ion Ratio Lower Upper
50 100
52 45.2 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.756 min Scan# 142
Delta R.T. -0.006 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

Tgt Ion: 94 Resp: 1438
Ion Ratio Lower Upper
94 100
96 66.1 73.0 109.6#

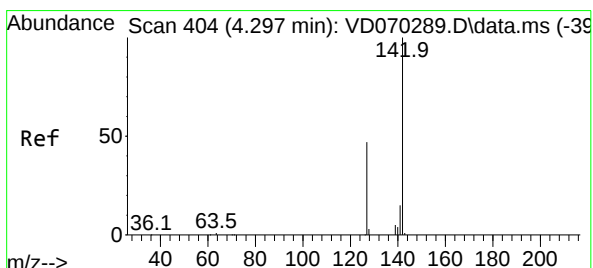
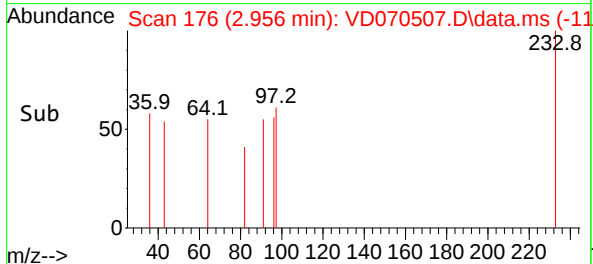
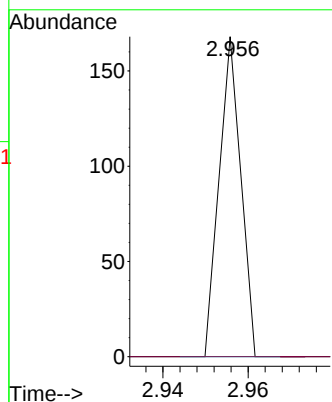
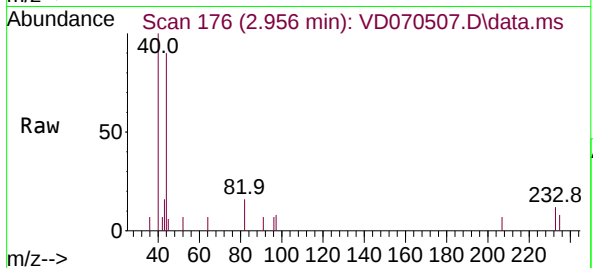




#6
Chloroethane
Concen: Below Cal
RT: 2.956 min Scan# 176
Delta R.T. 0.035 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

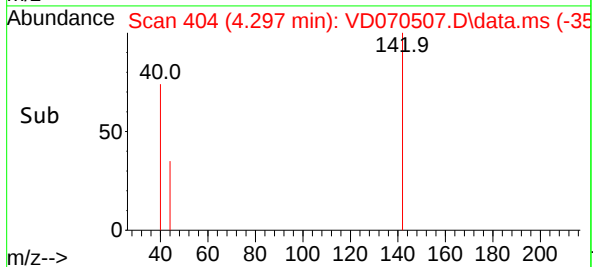
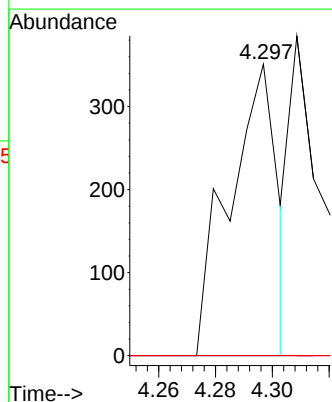
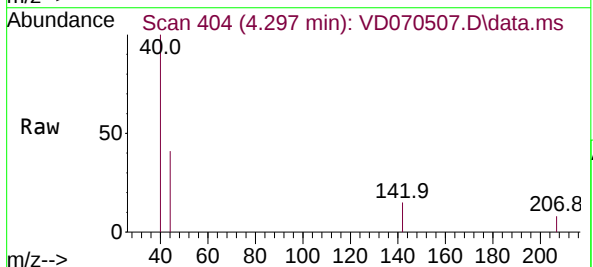
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-07(8-10)

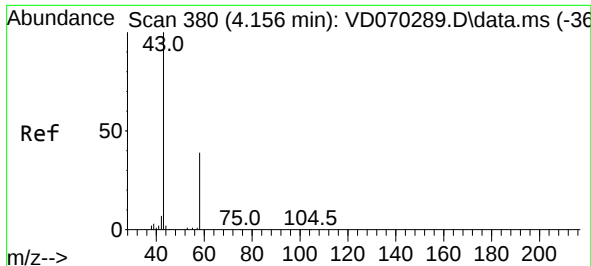
Tgt Ion: 64 Resp: 59
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.128 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

Tgt Ion:142 Resp: 412
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

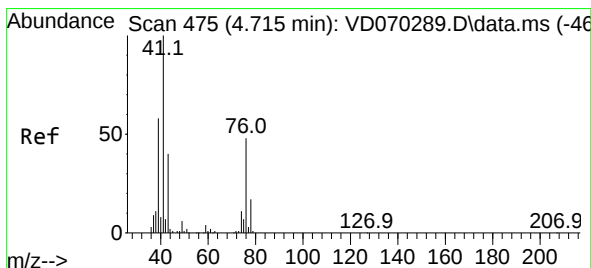
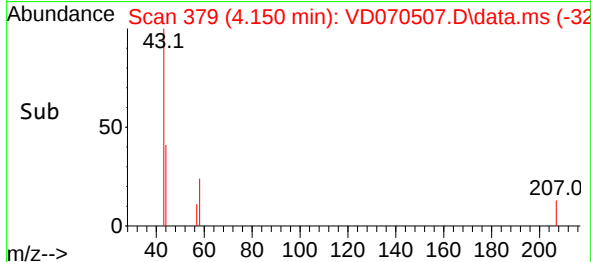
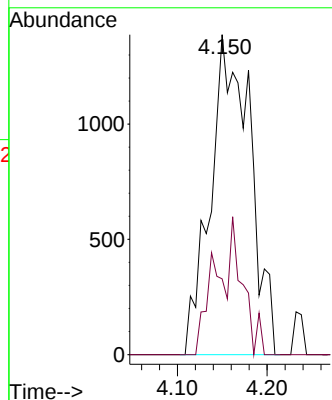
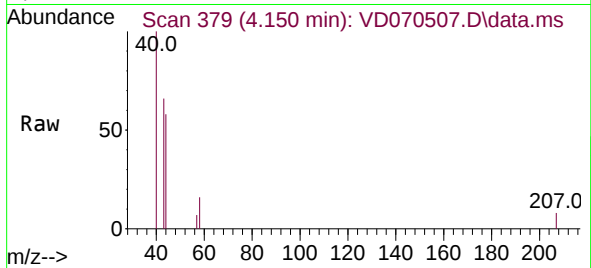




#16
Acetone
Concen: 5.693 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

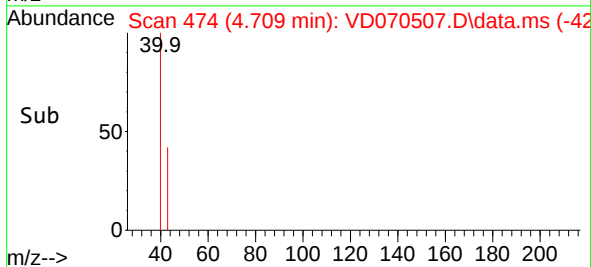
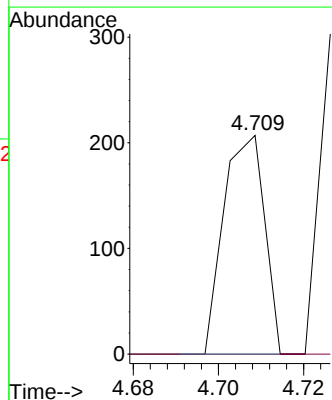
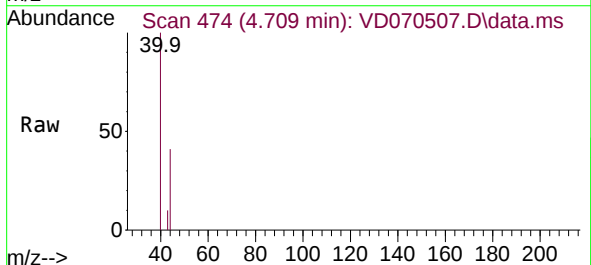
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-07(8-10)

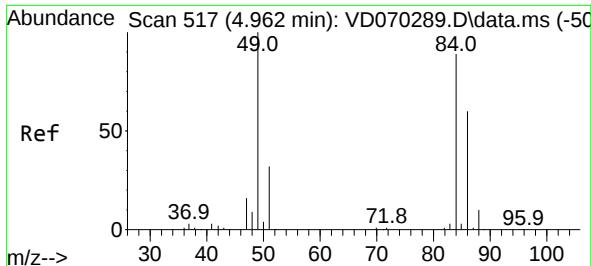
Tgt Ion: 43 Resp: 4278
Ion Ratio Lower Upper
43 100
58 23.7 30.9 46.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.006 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

Tgt Ion: 43 Resp: 138
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

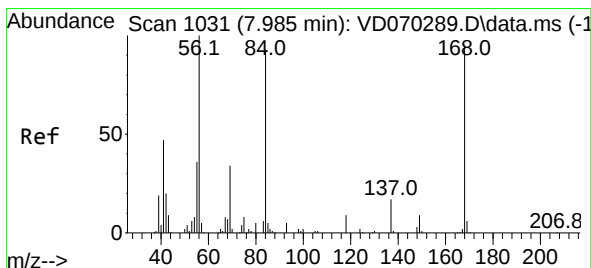
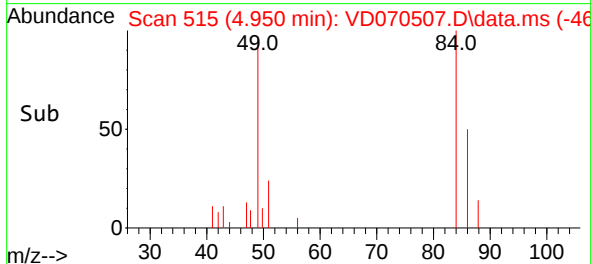
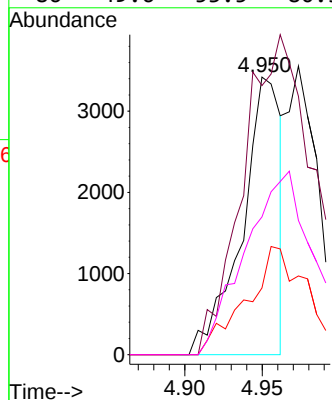
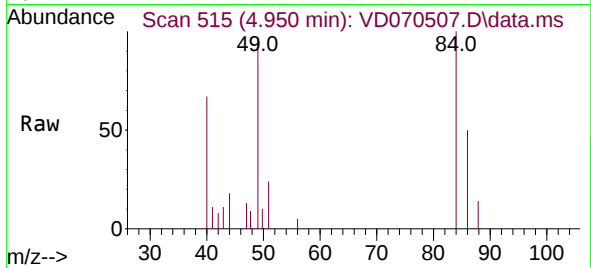




#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

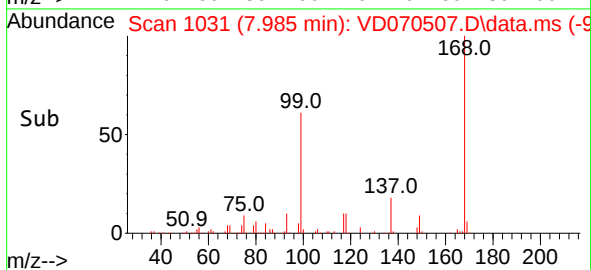
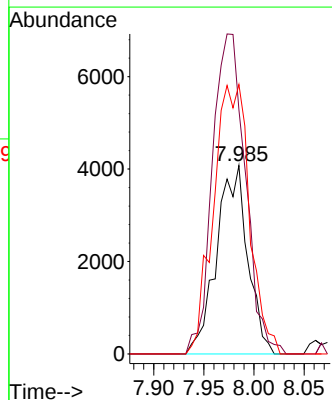
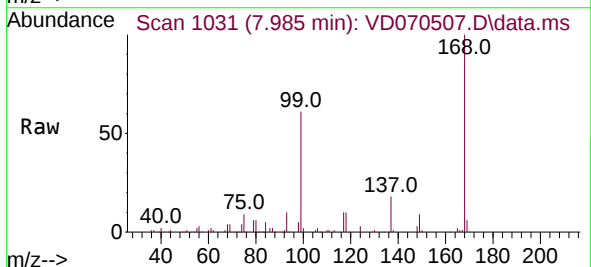
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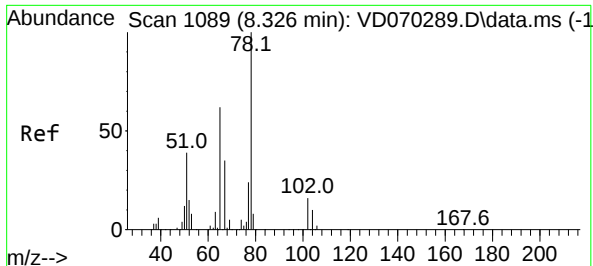
Tgt Ion:	84	Resp:	5956
Ion	Ratio	Lower	Upper
84	100		
49	96.9	89.6	134.4
51	24.0	28.6	43.0#
86	49.6	53.5	80.3#



#31
Cyclohexane
Concen: 1.214 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

Tgt Ion:	56	Resp:	8801
Ion	Ratio	Lower	Upper
56	100		
69	129.5	26.9	40.3#
84	142.9	73.6	110.4#



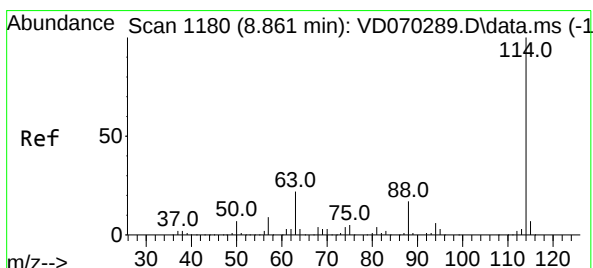
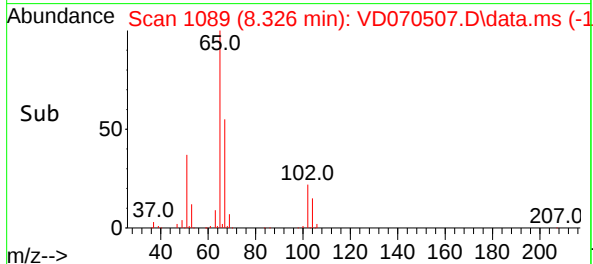
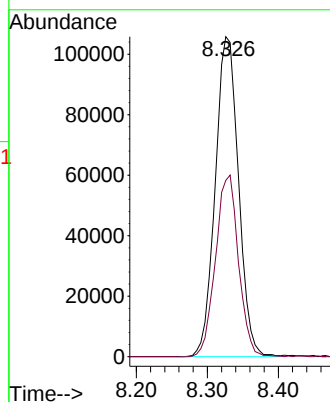
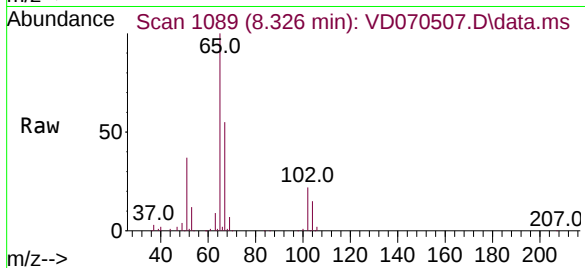


#33

1,2-Dichloroethane-d4
Concen: 57.094 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

Instrument :
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ClientSampleId :
SUB-SLAB-07(8-10)

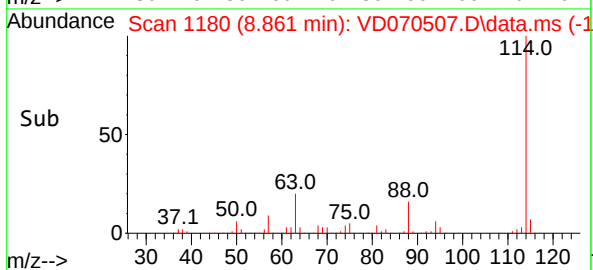
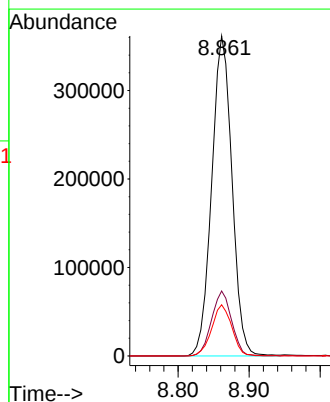
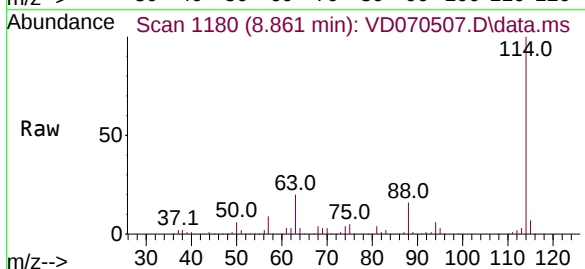
Tgt Ion: 65 Resp: 240310
Ion Ratio Lower Upper
65 100
67 56.0 0.0 111.4

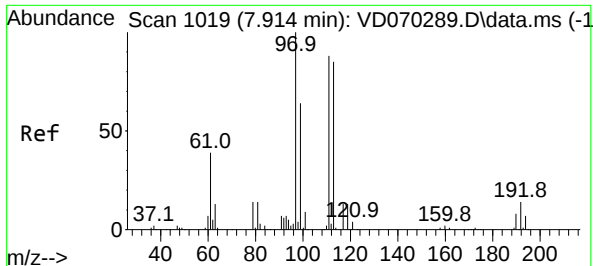


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

Tgt Ion: 114 Resp: 716405
Ion Ratio Lower Upper
114 100
63 20.3 0.0 43.4
88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.164 ug/l

RT: 7.908 min Scan# 1018

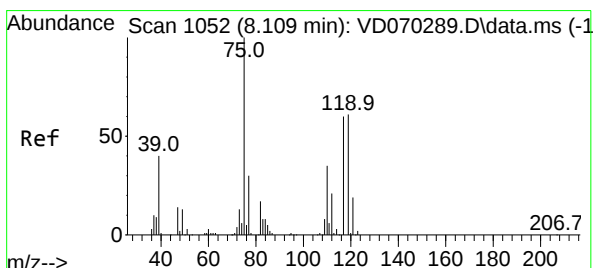
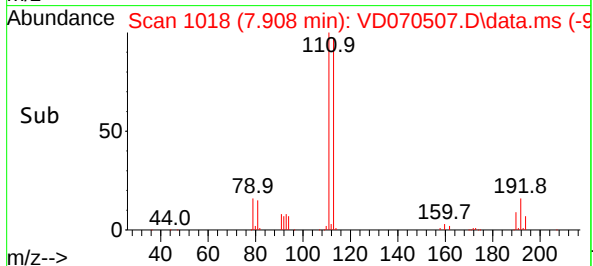
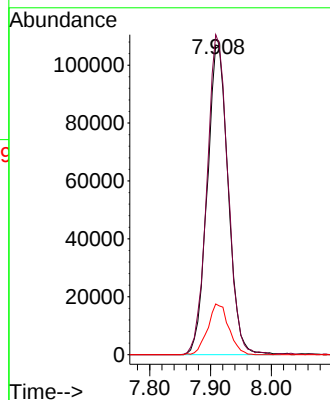
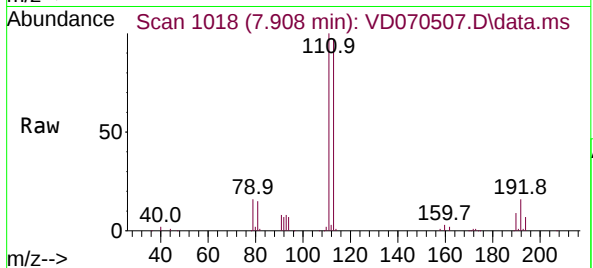
Delta R.T. -0.006 min

Lab File: VD070507.D

Acq: 28 Sep 2021 17:24

Tgt Ion:	113	Resp:	255812
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.2
192	16.4	13.0	19.6

Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-07(8-10)



#36

1,1-Dichloropropene

Concen: 3.859 ug/l

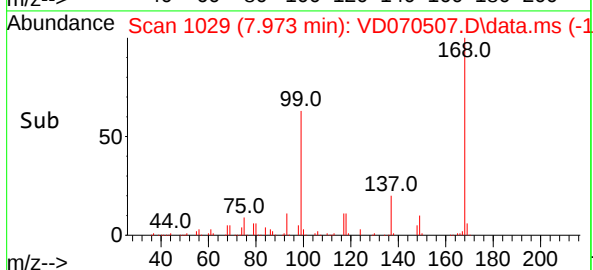
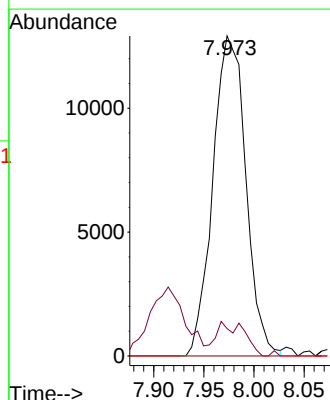
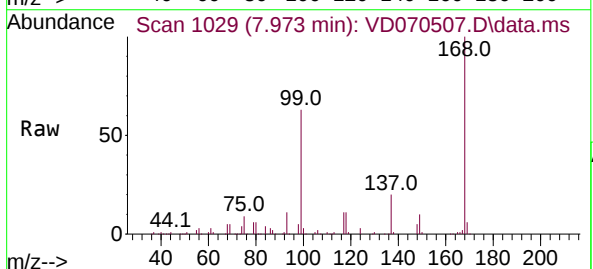
RT: 7.973 min Scan# 1029

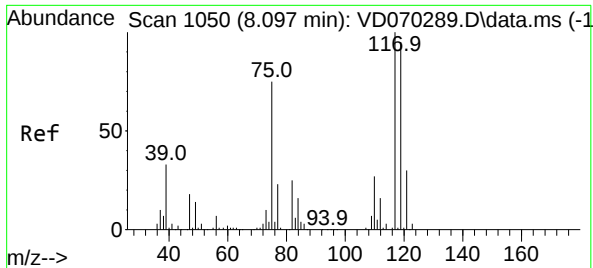
Delta R.T. -0.135 min

Lab File: VD070507.D

Acq: 28 Sep 2021 17:24

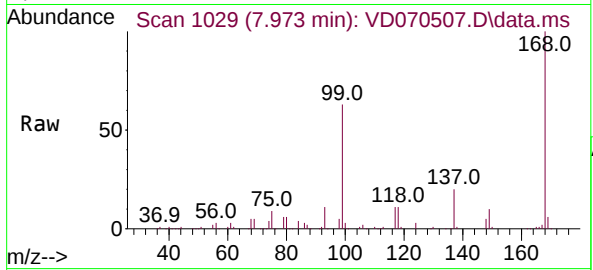
Tgt Ion:	75	Resp:	29548
Ion	Ratio	Lower	Upper
75	100		
110	3.0	17.9	53.7#
77	0.0	25.3	37.9#



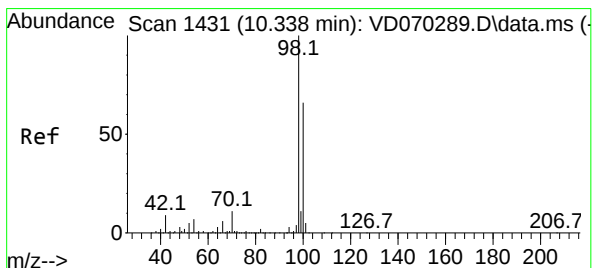
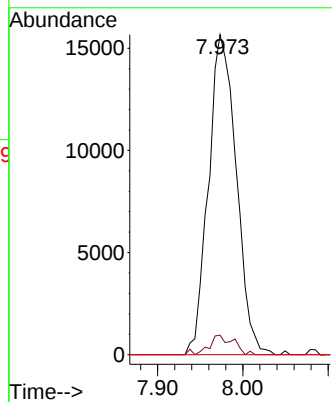
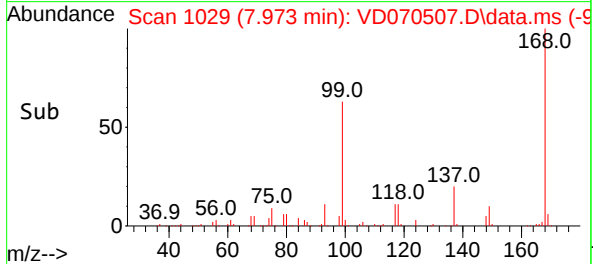


#38
Carbon Tetrachloride
Concen: 4.692 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

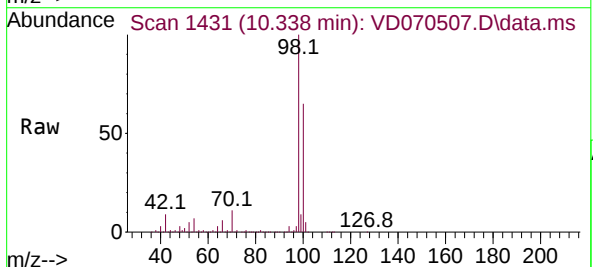
Instrument :
MSVOA_D
ClientSampleId :
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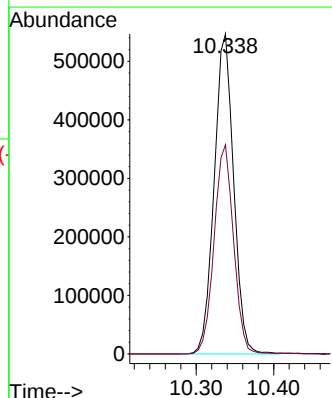
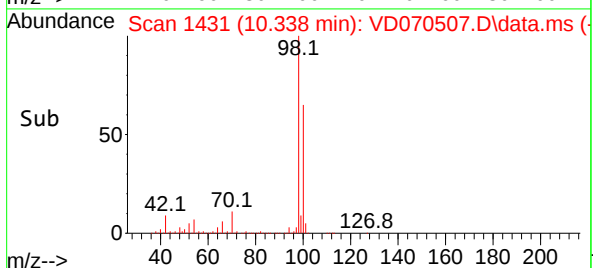
Tgt Ion:117 Resp: 35533
Ion Ratio Lower Upper
117 100
119 6.1 76.1 114.1#
121 0.0 23.8 35.6#

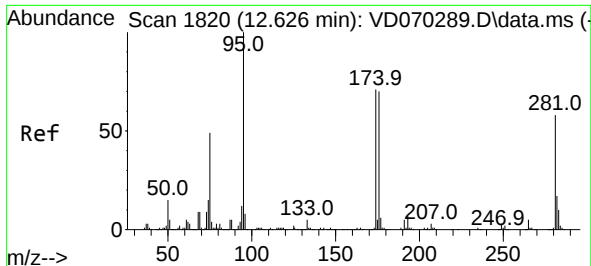


#50
Toluene-d8
Concen: 51.507 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24



Tgt Ion: 98 Resp: 953652
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0

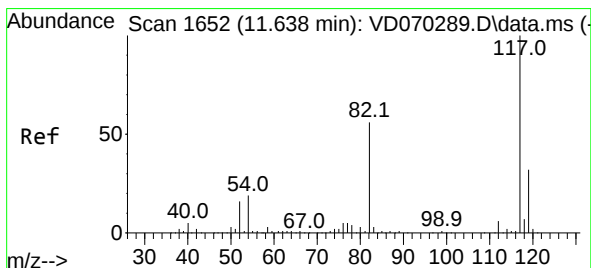
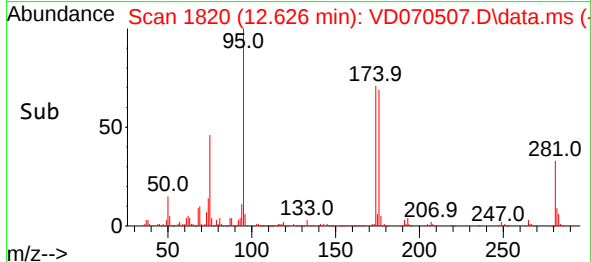
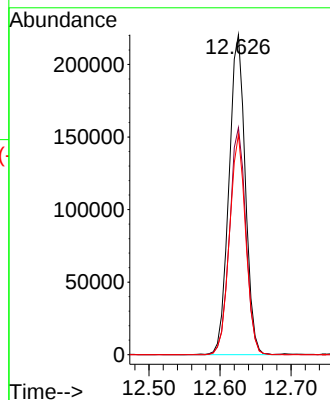
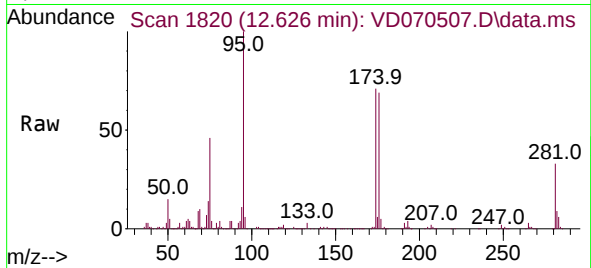




#62
4-Bromofluorobenzene
Concen: 54.272 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

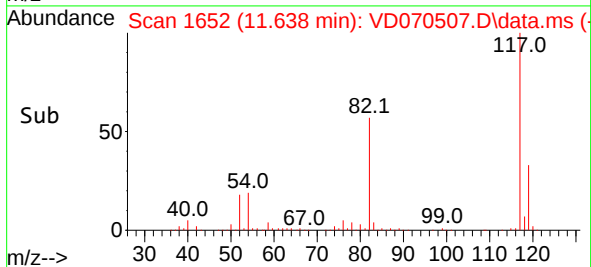
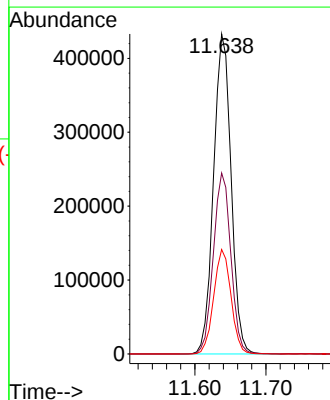
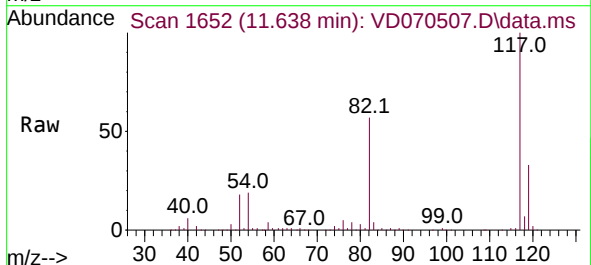
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-07(8-10)

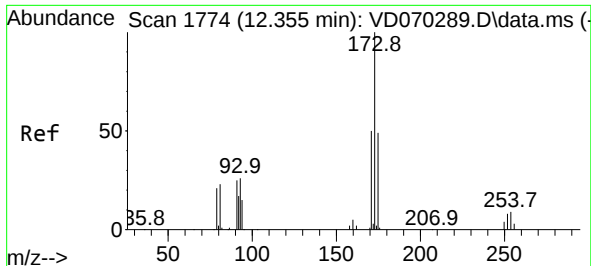
Tgt Ion: 95 Resp: 351180
Ion Ratio Lower Upper
95 100
174 71.1 0.0 140.6
176 68.1 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

Tgt Ion: 117 Resp: 740577
Ion Ratio Lower Upper
117 100
82 56.6 45.0 67.4
119 32.7 25.2 37.8

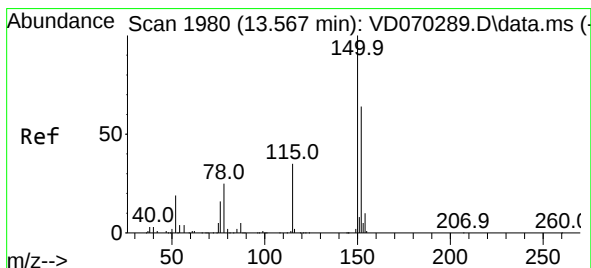
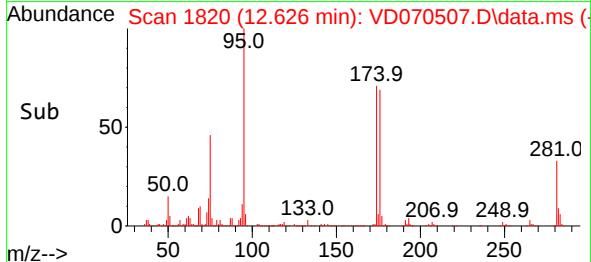
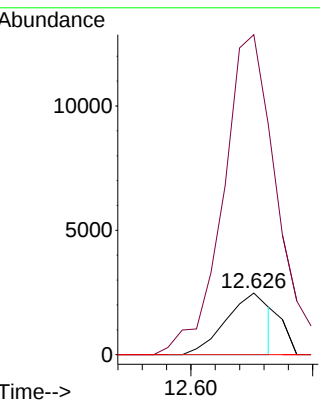
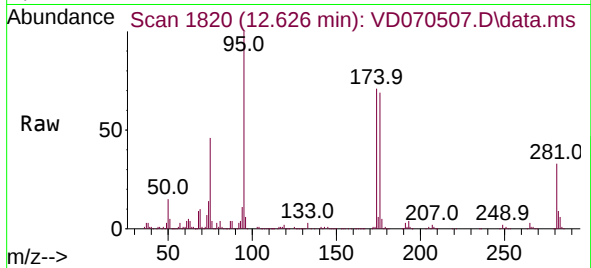




#71
Bromoform
Concen: 1.100 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

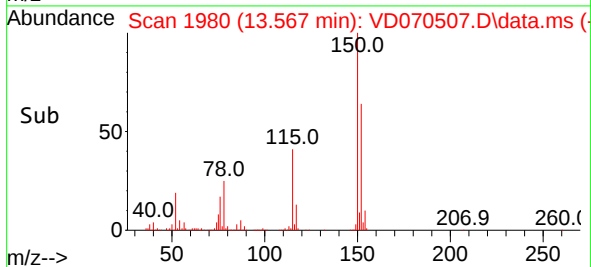
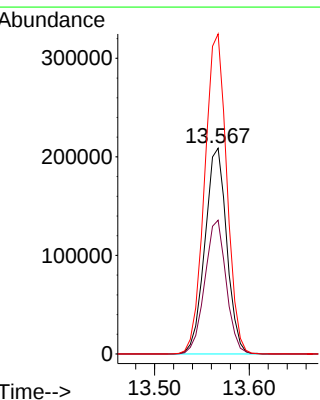
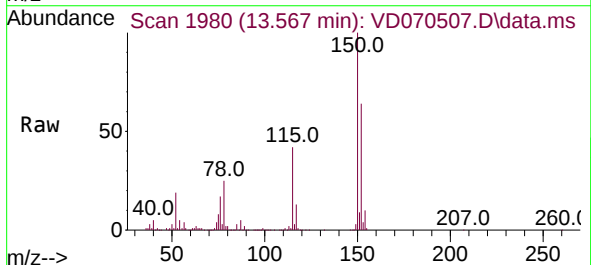
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-07(8-10)

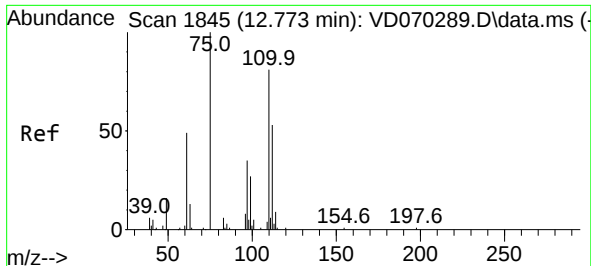
Tgt Ion:173 Resp: 3056
Ion Ratio Lower Upper
173 100
175 541.5 25.1 75.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

Tgt Ion:152 Resp: 334782
Ion Ratio Lower Upper
152 100
115 63.9 32.1 96.3
150 157.7 0.0 350.6

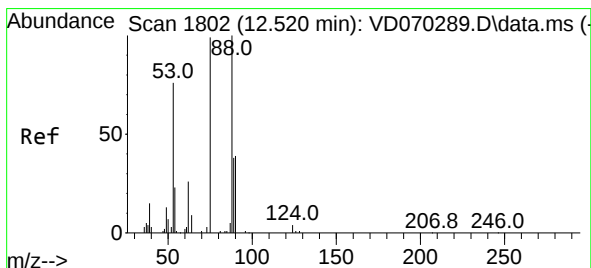
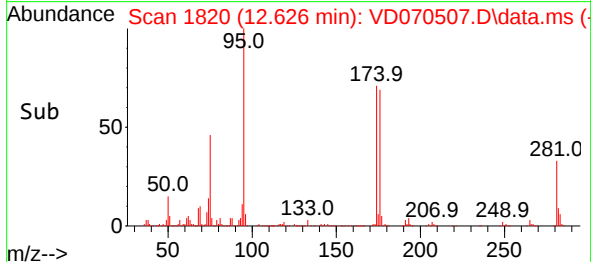
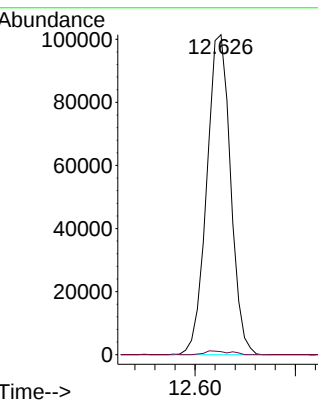
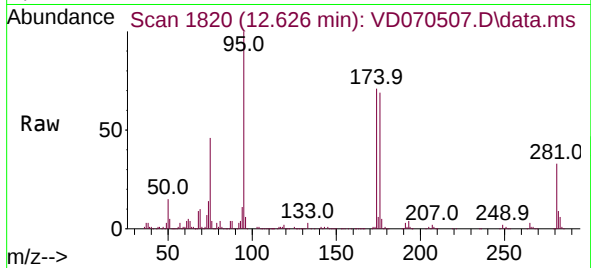




#76
1,2,3-Trichloropropane
Concen: 49.240 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

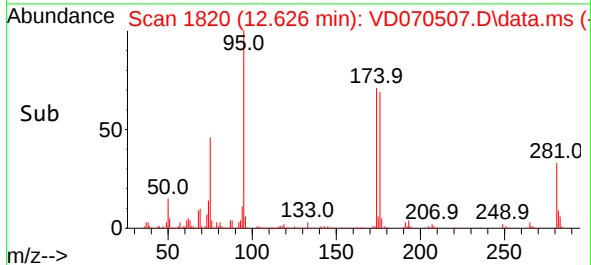
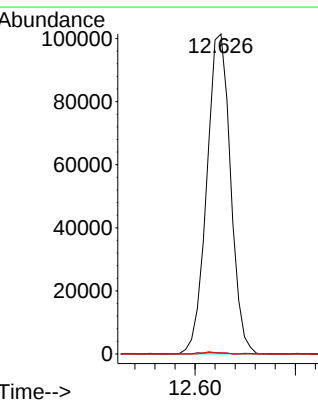
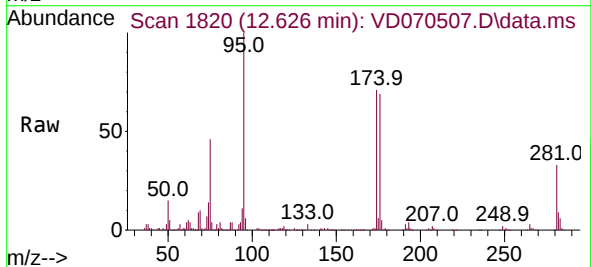
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-07(8-10)

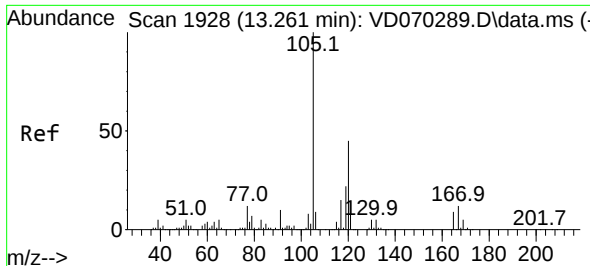
Tgt Ion: 75 Resp: 166744
Ion Ratio Lower Upper
75 100
77 1.3 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.375 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

Tgt Ion: 75 Resp: 166744
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.4 35.6 53.4#

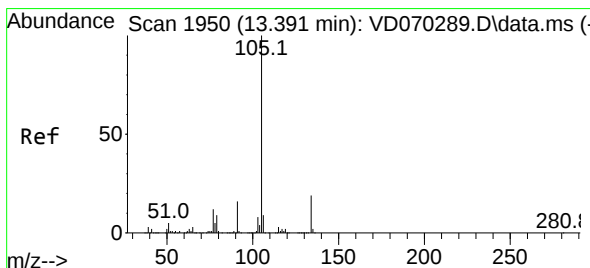
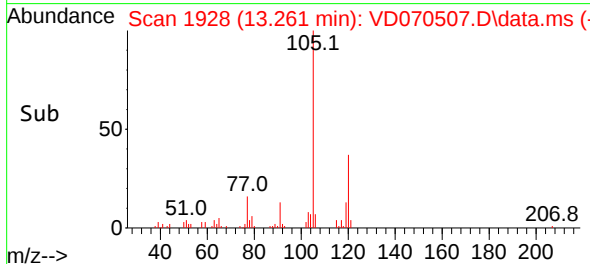
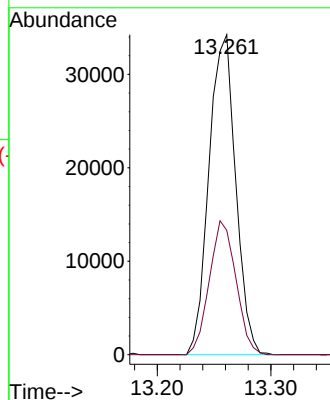
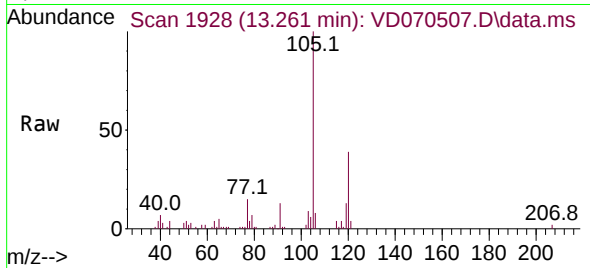




#84
1,2,4-Trimethylbenzene
Concen: 2.805 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-07(8-10)

Tgt Ion:105 Resp: 55960
Ion Ratio Lower Upper
105 100
120 41.7 22.3 66.8



#85
sec-Butylbenzene
Concen: 2.166 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.129 min
Lab File: VD070507.D
Acq: 28 Sep 2021 17:24

Tgt Ion:105 Resp: 55960
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#

