

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
 Data File : VD070503.D
 Acq On : 28 Sep 2021 15:31
 Operator : VA/SY
 Sample : M3922-06
 Misc : 5.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SUB-SLAB-03-(33-35)

Quant Time: Sep 28 23:43:01 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)

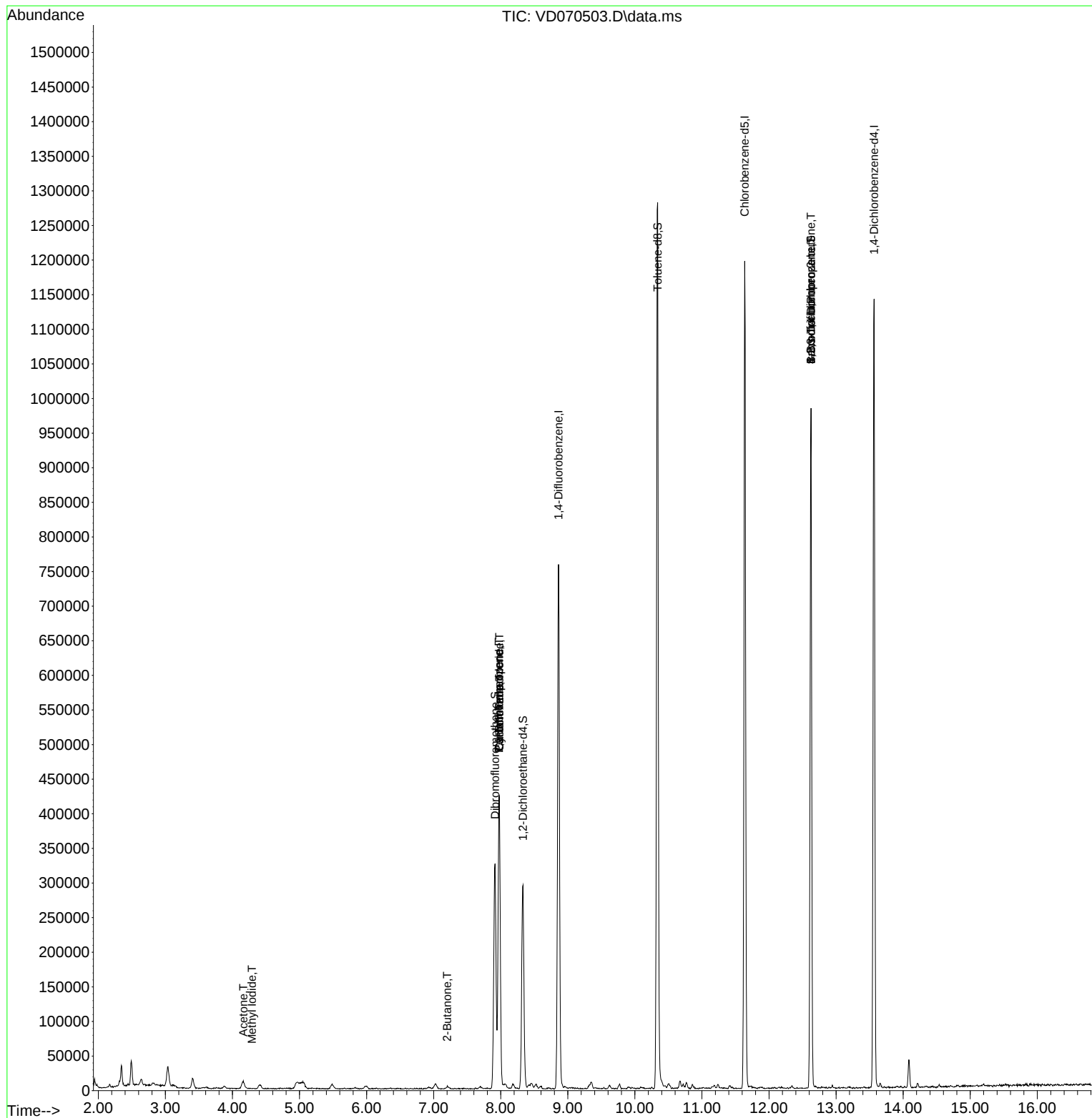
Internal Standards						
1) Pentafluorobenzene	7.973	168	296630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	657806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	710110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	315722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	236390	62.064	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.120%			
35) Dibromofluoromethane	7.914	113	241582	51.594	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.180%			
50) Toluene-d8	10.338	98	890217	52.364	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.720%			
62) 4-Bromofluorobenzene	12.626	95	317499	53.438	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.880%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	175	Below Cal	#	43
3) Chloromethane	2.209	50	501	Below Cal	#	34
5) Bromomethane	2.768	94	470	Below Cal	#	71
6) Chloroethane	2.950	64	60	Below Cal	#	43
10) Methyl Iodide	4.291	142	120	1.061 ug/l	#	39
16) Acetone	4.162	43	18140	26.676 ug/l		97
18) Methyl Acetate	4.709	43	390	Below Cal	#	48
20) Methylene Chloride	4.956	84	7185	Below Cal	#	76
25) 2-Butanone	7.203	43	1347	1.488 ug/l	#	75
31) Cyclohexane	7.979	56	10988	1.675 ug/l	#	1
36) 1,1-Dichloropropene	7.973	75	25864	3.679 ug/l	#	48
38) Carbon Tetrachloride	7.979	117	32832	4.721 ug/l	#	17
71) Bromoform	12.626	173	2703	1.015 ug/l	#	1
76) 1,2,3-Trichloropropane	12.626	75	150796	47.219 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	150796	118.311 ug/l	#	17

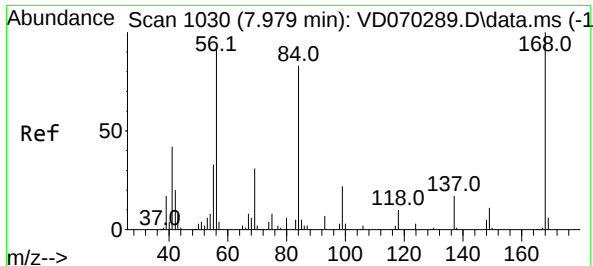
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 28 23:43:01 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
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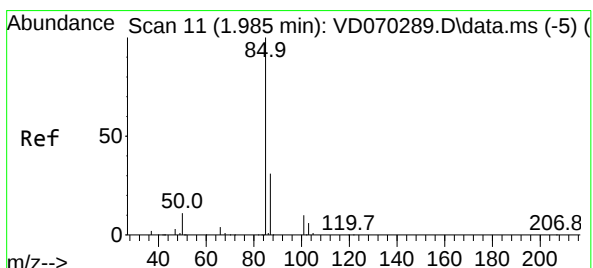
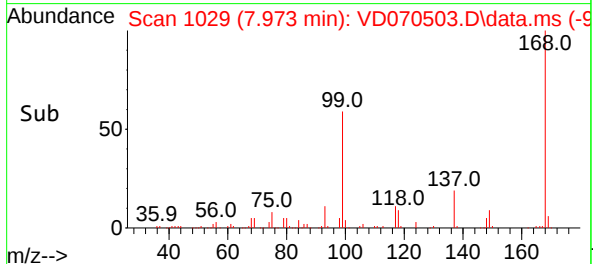
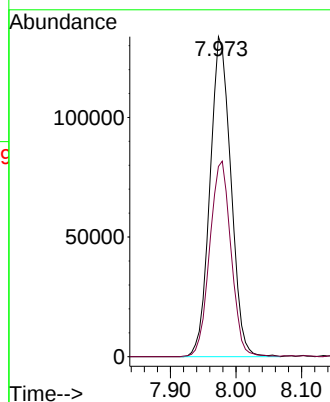
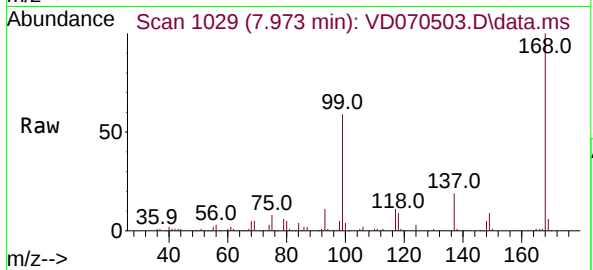




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070503.D
Acq: 28 Sep 2021 15:31

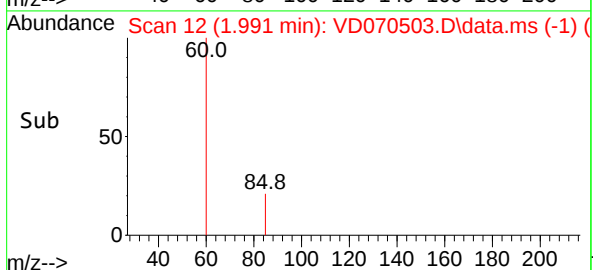
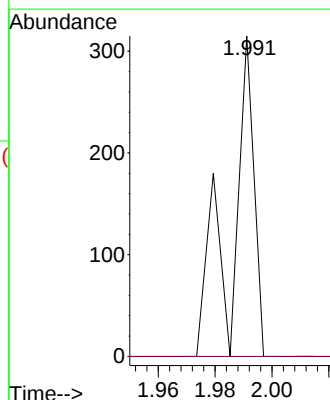
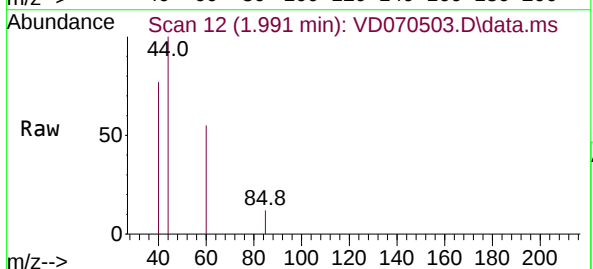
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-03-(33-35)

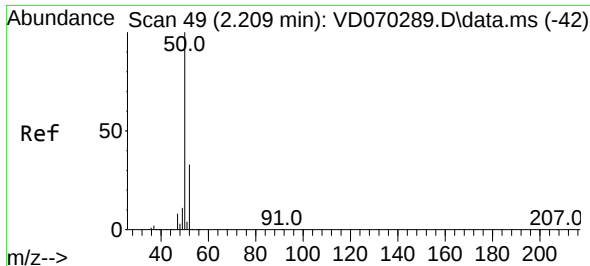
Tgt Ion:168 Resp: 296630
Ion Ratio Lower Upper
168 100
99 59.5 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070503.D
Acq: 28 Sep 2021 15:31

Tgt Ion: 85 Resp: 175
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

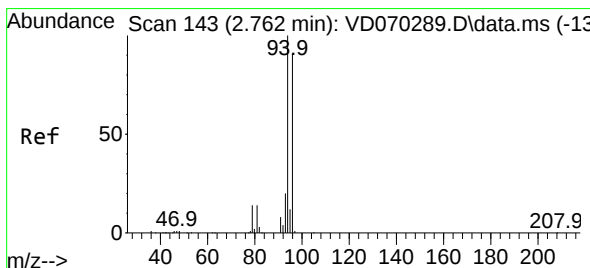
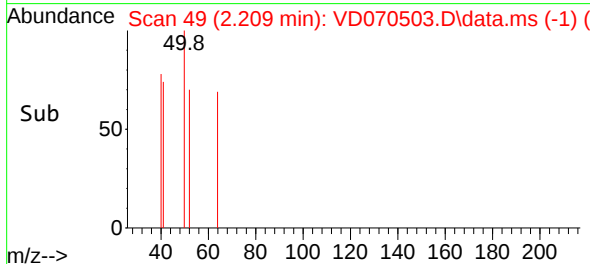
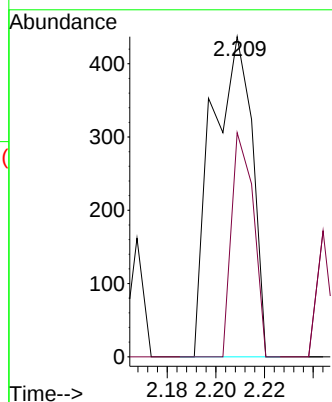
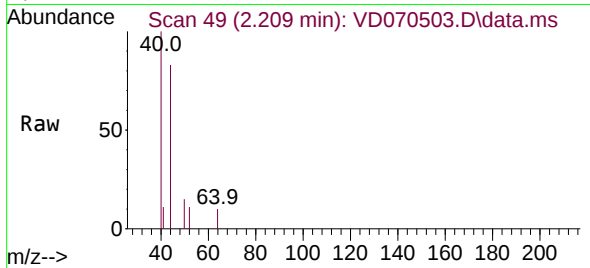




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070503.D
Acq: 28 Sep 2021 15:31

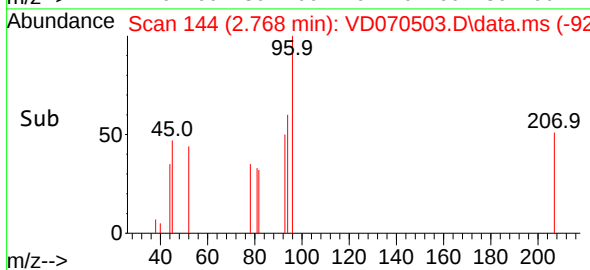
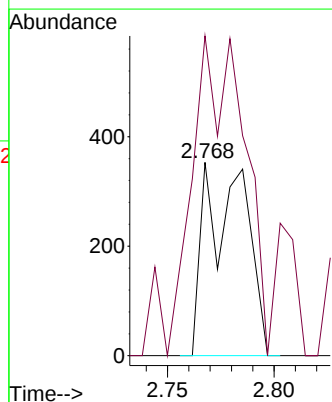
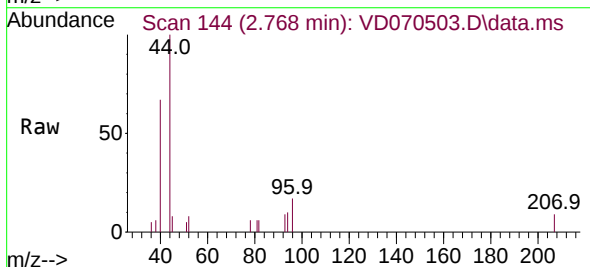
Instrument :
MSVOA_D
ClientSampleId :
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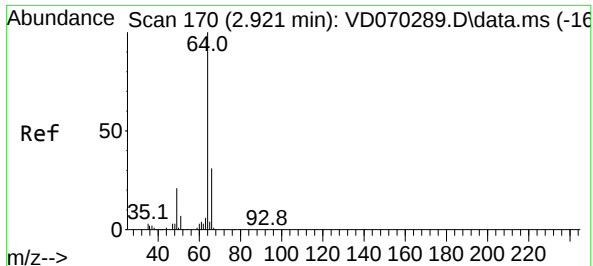
Tgt Ion: 50 Resp: 501
Ion Ratio Lower Upper
50 100
52 70.0 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD070503.D
Acq: 28 Sep 2021 15:31

Tgt Ion: 94 Resp: 470
Ion Ratio Lower Upper
94 100
96 119.3 73.0 109.6#

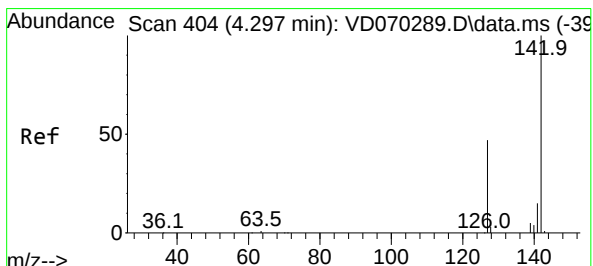
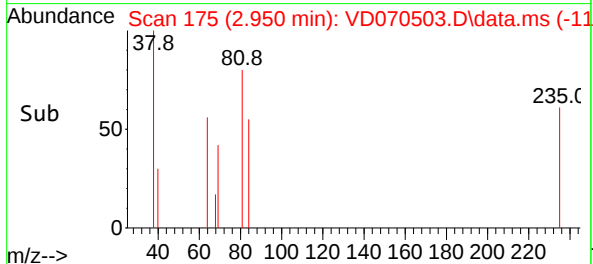
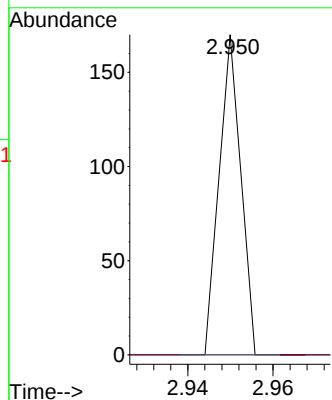
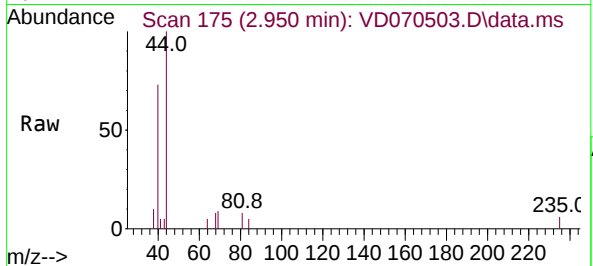




#6
Chloroethane
Concen: Below Cal
RT: 2.950 min Scan# 175
Delta R.T. 0.029 min
Lab File: VD070503.D
Acq: 28 Sep 2021 15:31

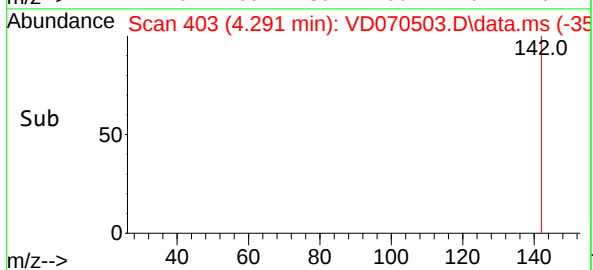
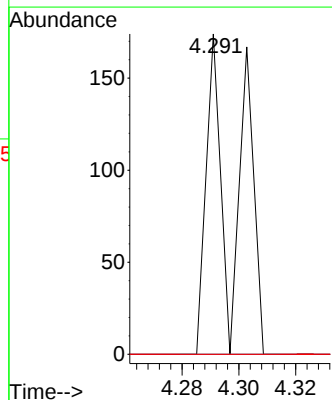
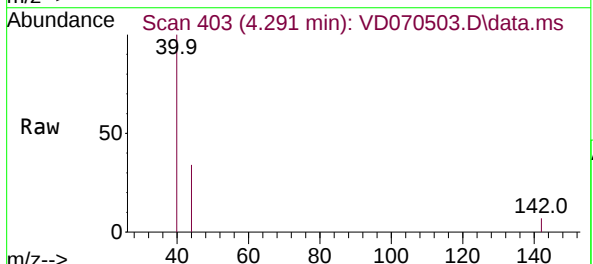
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-03-(33-35)

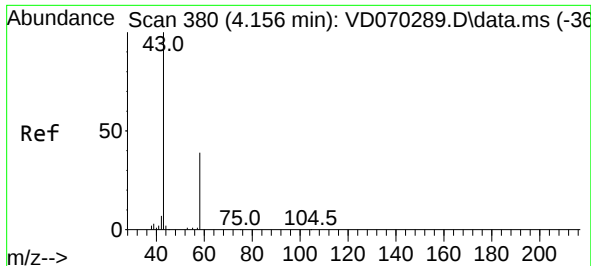
Tgt Ion: 64 Resp: 60
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.061 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070503.D
Acq: 28 Sep 2021 15:31

Tgt Ion: 142 Resp: 120
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

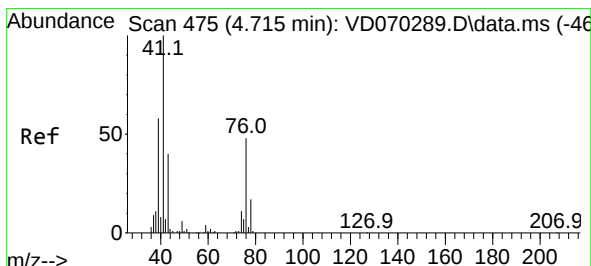
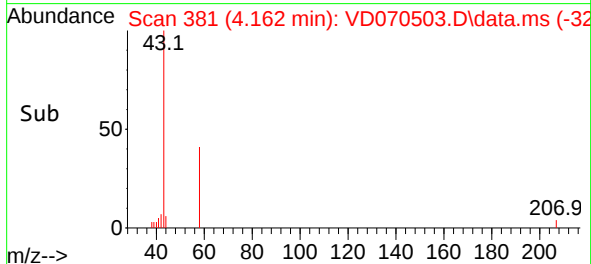
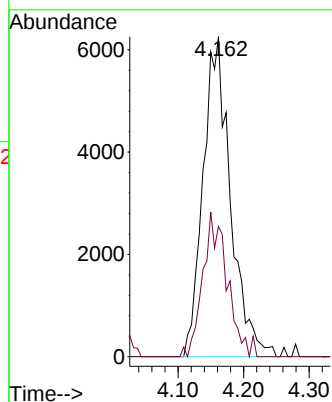
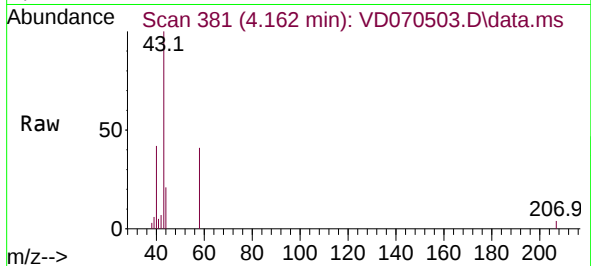




#16
Acetone
Concen: 26.676 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070503.D
Acq: 28 Sep 2021 15:31

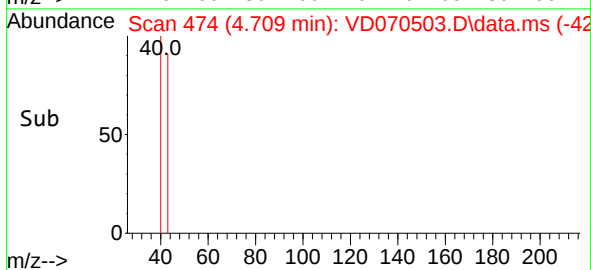
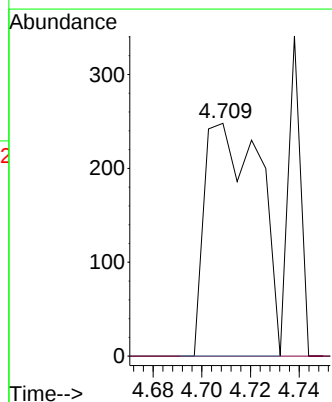
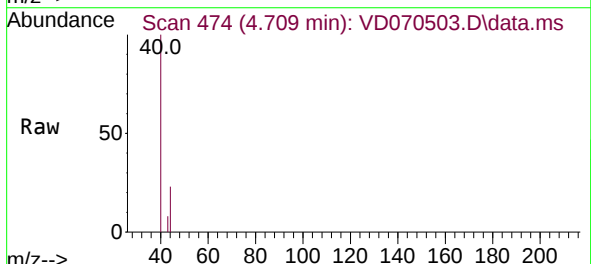
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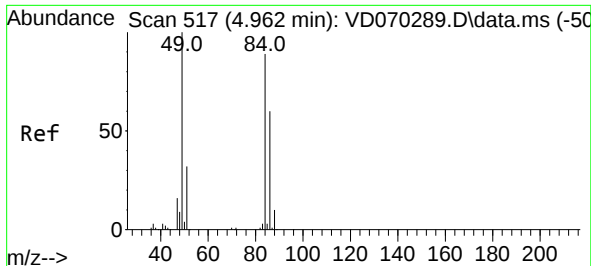
Tgt Ion: 43 Resp: 18140
Ion Ratio Lower Upper
43 100
58 40.7 30.9 46.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.006 min
Lab File: VD070503.D
Acq: 28 Sep 2021 15:31

Tgt Ion: 43 Resp: 390
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

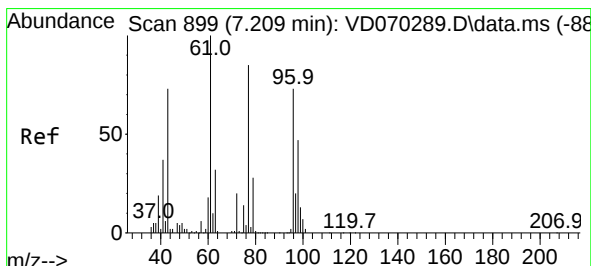
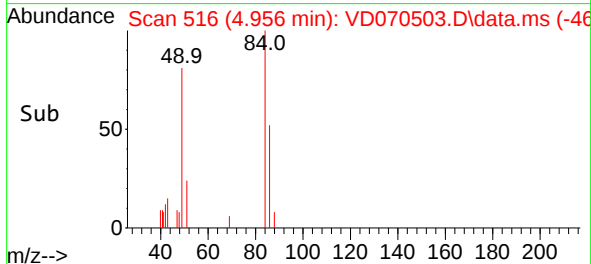
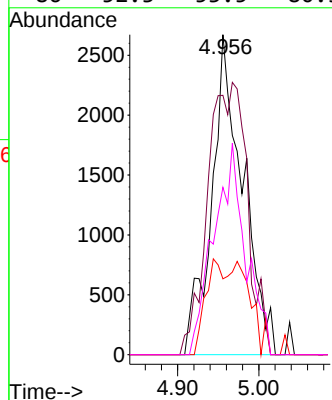
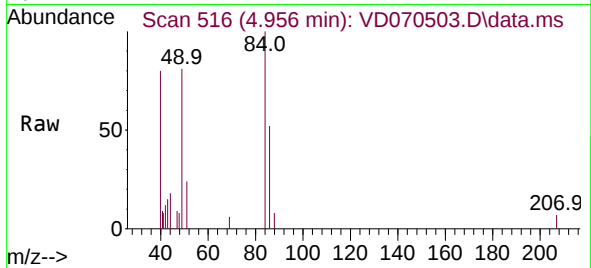




#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070503.D
Acq: 28 Sep 2021 15:31

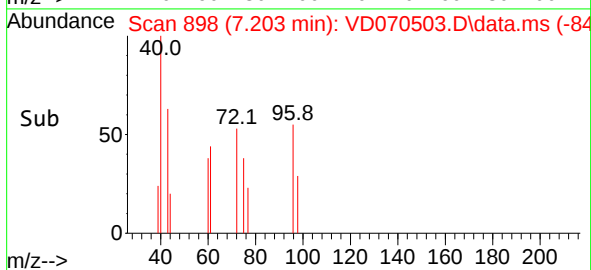
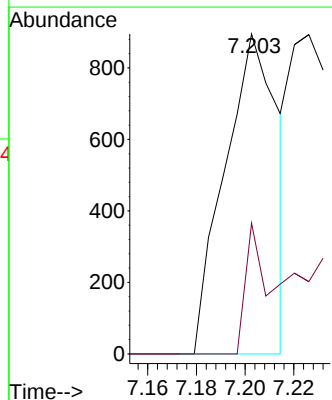
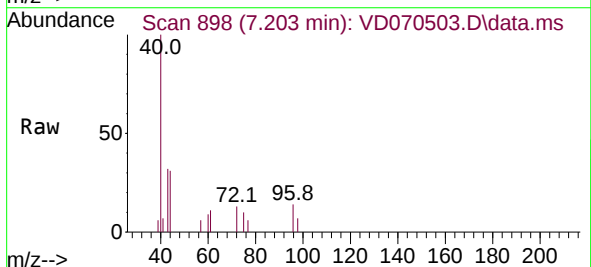
Instrument :
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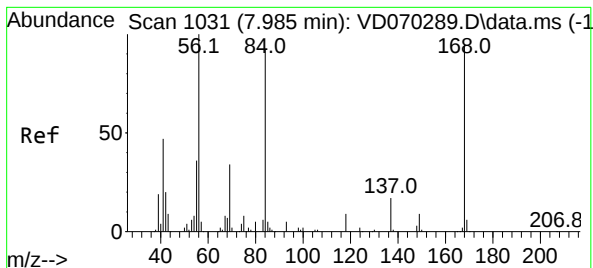
Tgt Ion:	84	Resp:	7185
Ion	Ratio	Lower	Upper
84	100		
49	81.1	89.6	134.4#
51	23.7	28.6	43.0#
86	52.3	53.5	80.3#



#25
2-Butanone
Concen: 1.488 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD070503.D
Acq: 28 Sep 2021 15:31

Tgt Ion:	43	Resp:	1347
Ion	Ratio	Lower	Upper
43	100		
72	40.9	22.2	33.4#





#31

Cyclohexane

Concen: 1.675 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD070503.D

Acq: 28 Sep 2021 15:31

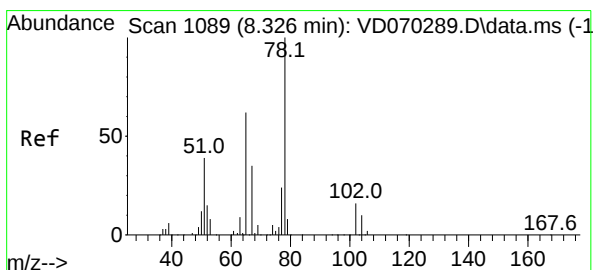
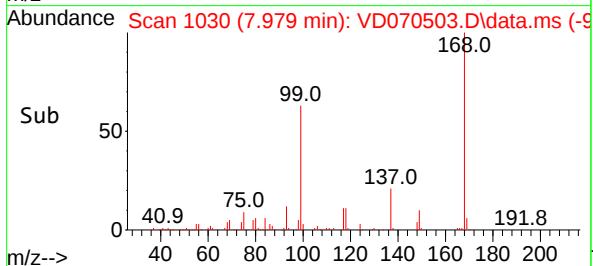
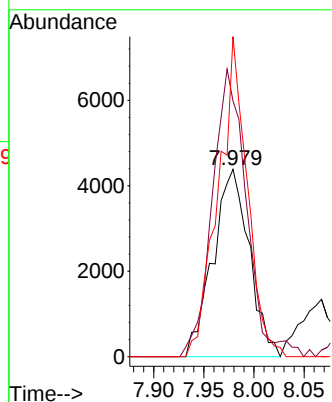
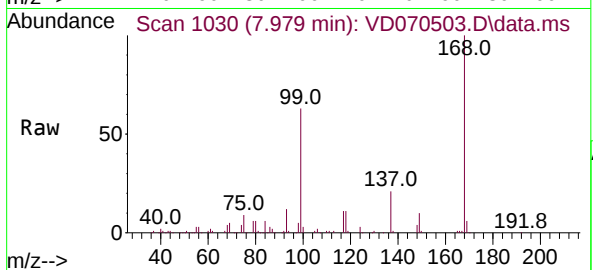
Instrument :

MSVOA_D

ClientSampleId :

SUB-SLAB-03-(33-35)

Tgt Ion:	56	Resp:	10988
Ion Ratio	Lower	Upper	
56	100		
69	136.5	26.9	40.3#
84	170.8	73.6	110.4#



#33

1,2-Dichloroethane-d4

Concen: 62.064 ug/l

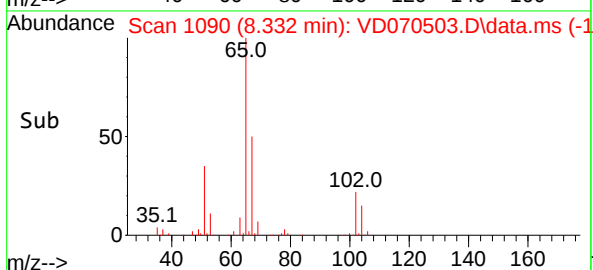
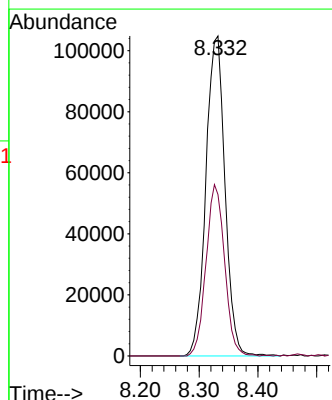
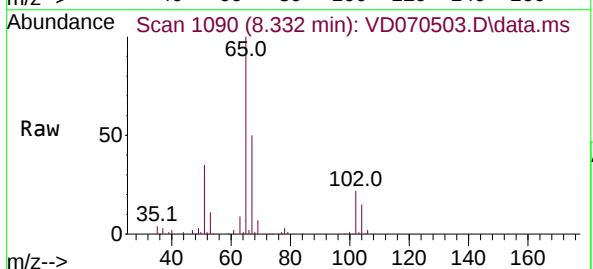
RT: 8.332 min Scan# 1090

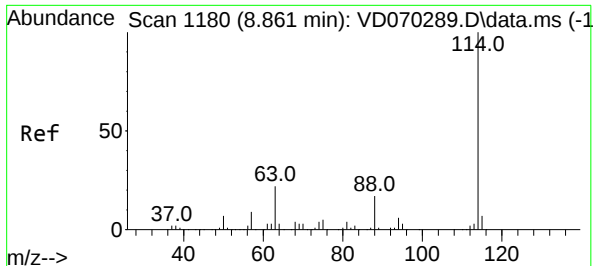
Delta R.T. 0.006 min

Lab File: VD070503.D

Acq: 28 Sep 2021 15:31

Tgt Ion:	65	Resp:	236390
Ion Ratio	Lower	Upper	
65	100		
67	52.0	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: VD070503.D

Acq: 28 Sep 2021 15:31

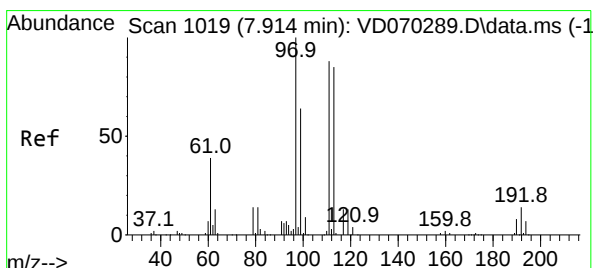
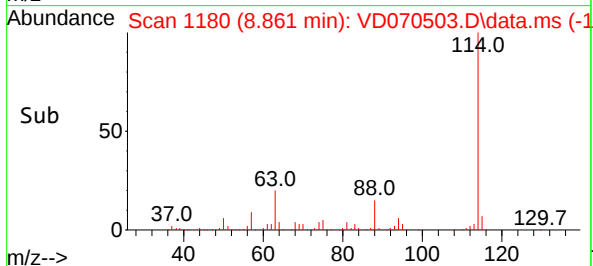
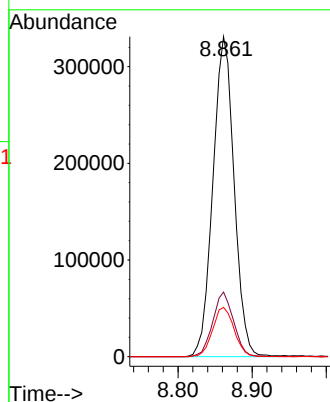
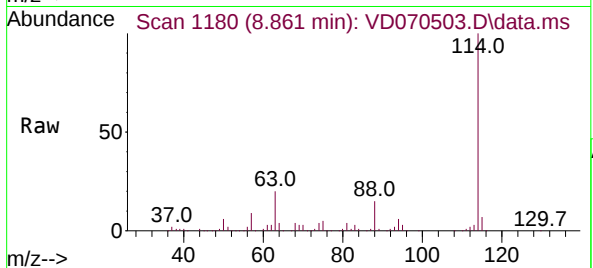
Tgt Ion:114 Resp: 657806

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.4

88 15.4 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.594 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070503.D

Acq: 28 Sep 2021 15:31

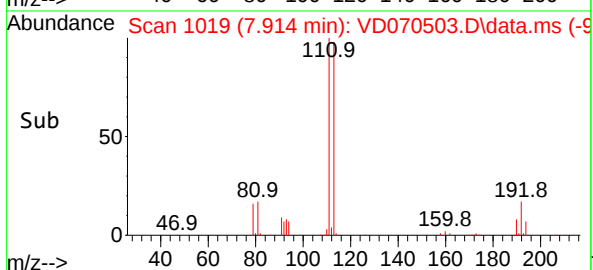
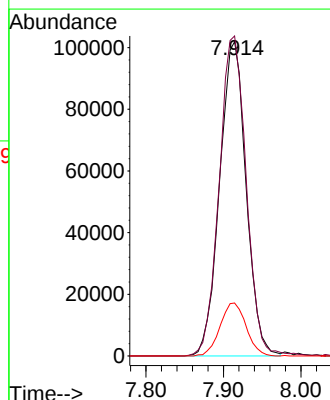
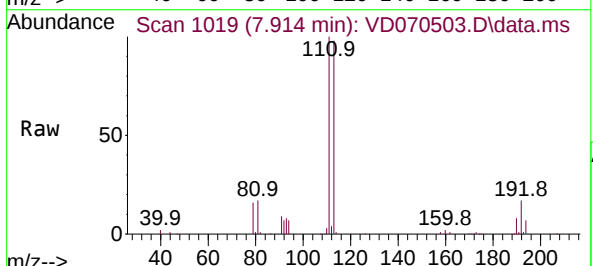
Tgt Ion:113 Resp: 241582

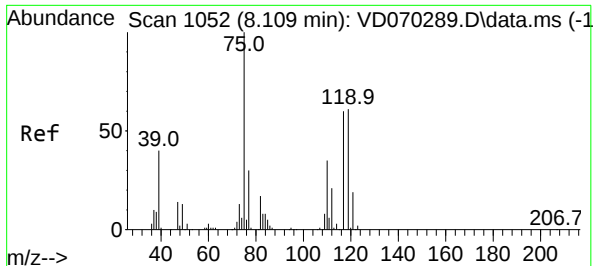
Ion Ratio Lower Upper

113 100

111 104.1 81.4 122.2

192 16.7 13.0 19.6

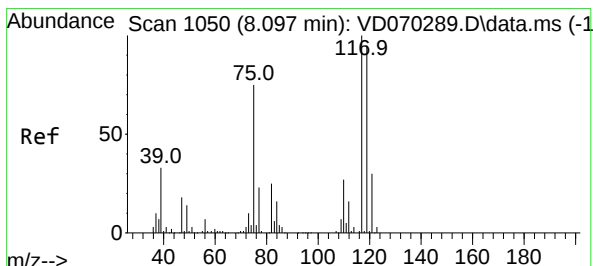
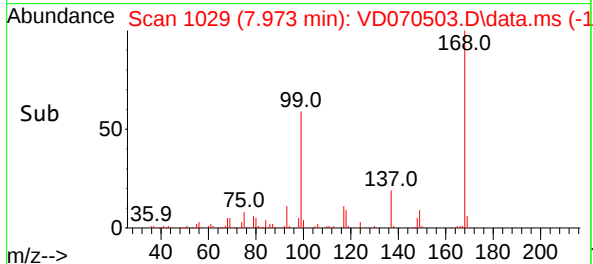
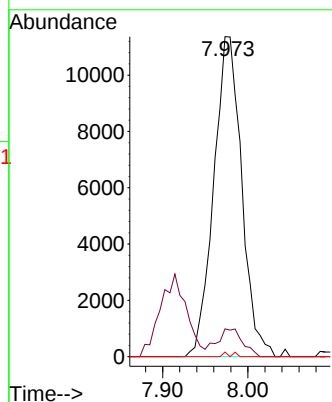
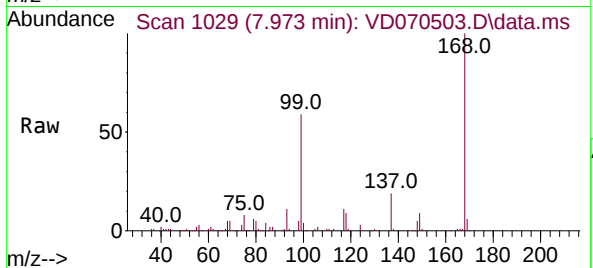




#36
1,1-Dichloropropene
Concen: 3.679 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070503.D
Acq: 28 Sep 2021 15:31

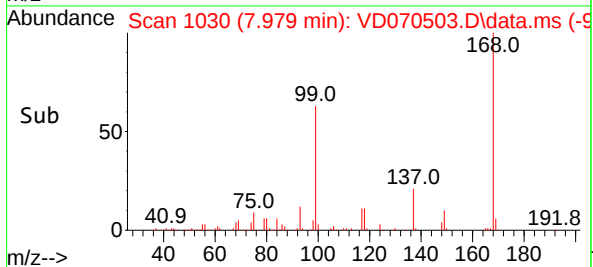
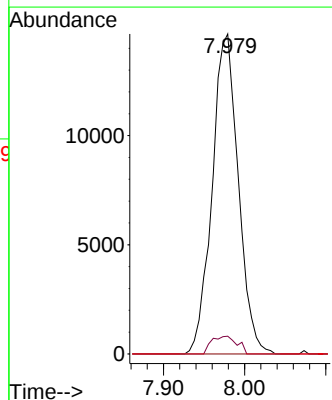
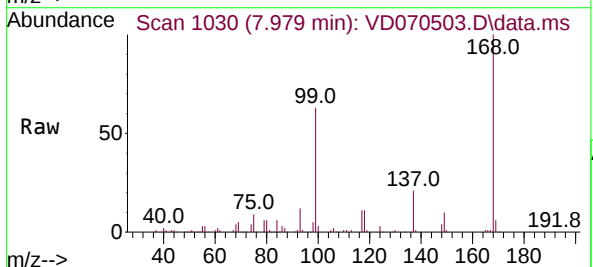
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-03-(33-35)

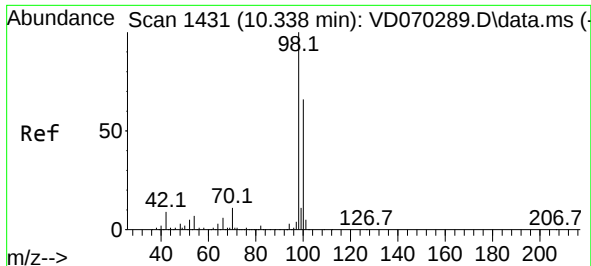
Tgt Ion: 75 Resp: 25864
Ion Ratio Lower Upper
75 100
110 8.0 17.9 53.7#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.721 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070503.D
Acq: 28 Sep 2021 15:31

Tgt Ion: 117 Resp: 32832
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 23.8 35.6#

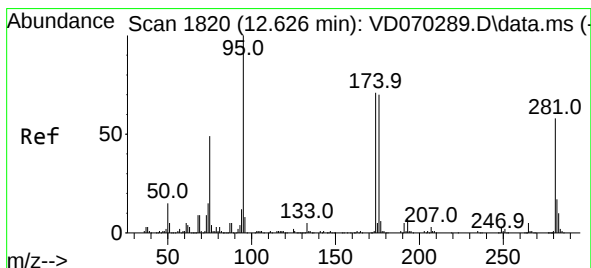
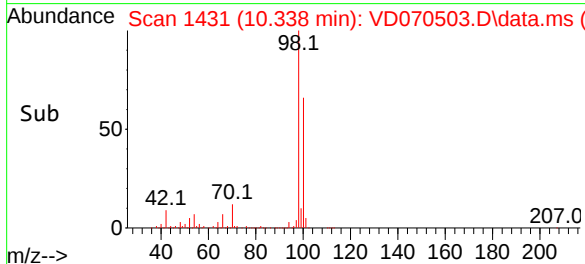
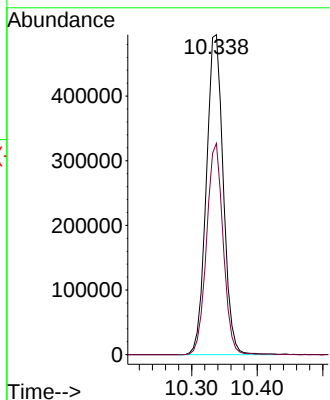
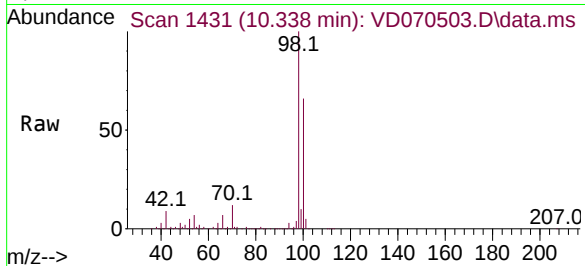




#50
Toluene-d8
Concen: 52.364 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070503.D
Acq: 28 Sep 2021 15:31

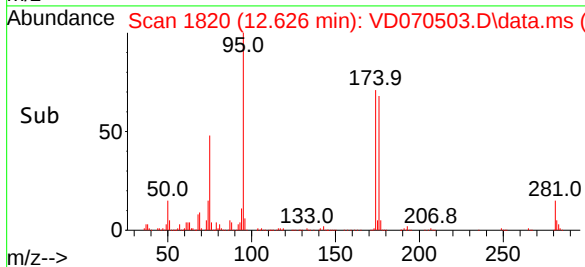
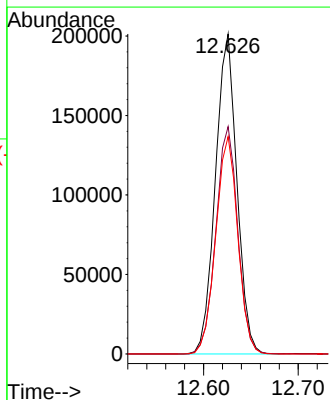
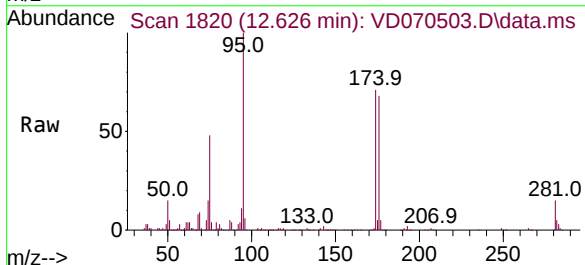
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-03-(33-35)

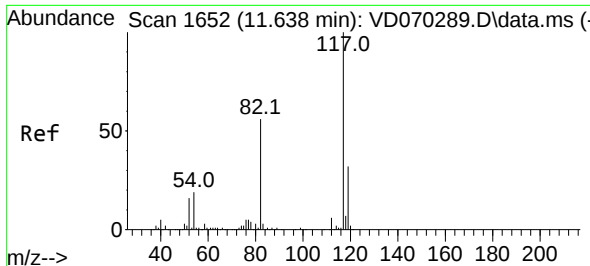
Tgt Ion: 98 Resp: 890217
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 53.438 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070503.D
Acq: 28 Sep 2021 15:31

Tgt Ion: 95 Resp: 317499
Ion Ratio Lower Upper
95 100
174 72.5 0.0 140.6
176 69.5 0.0 137.4

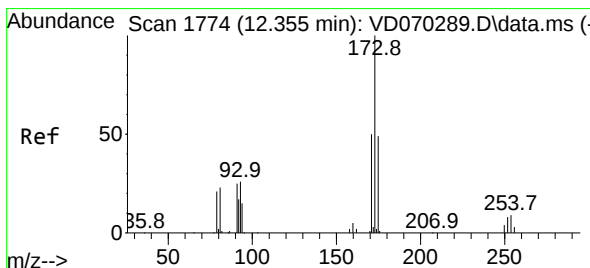
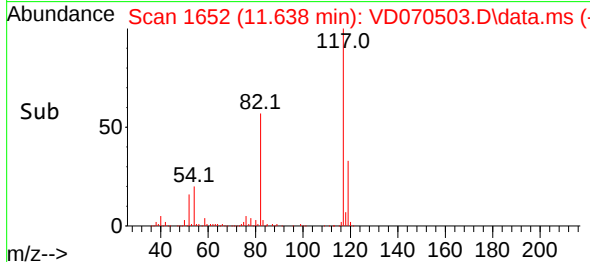
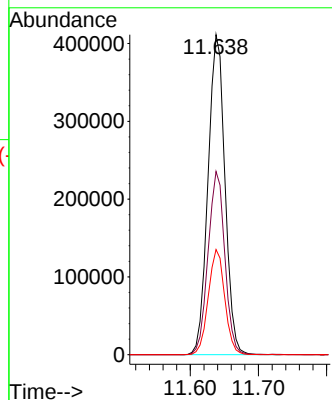
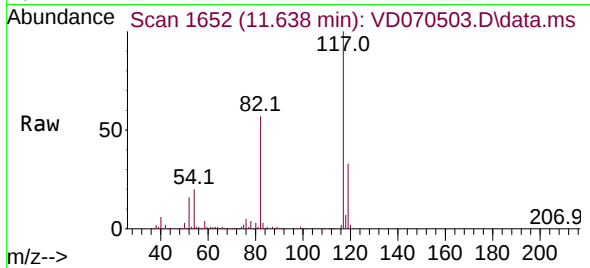




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070503.D
Acq: 28 Sep 2021 15:31

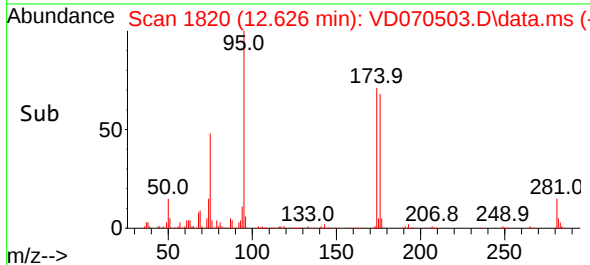
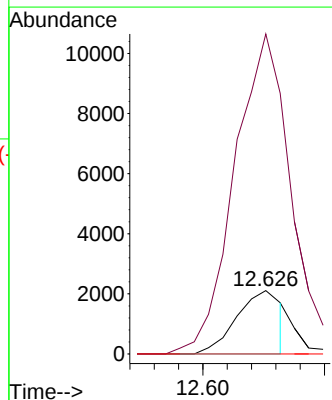
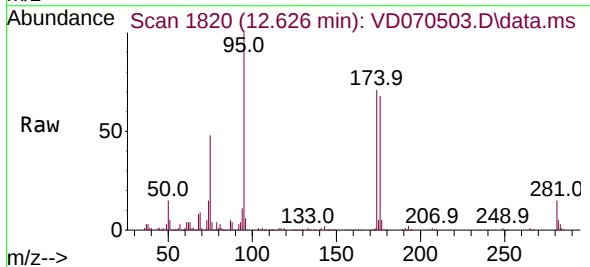
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-03-(33-35)

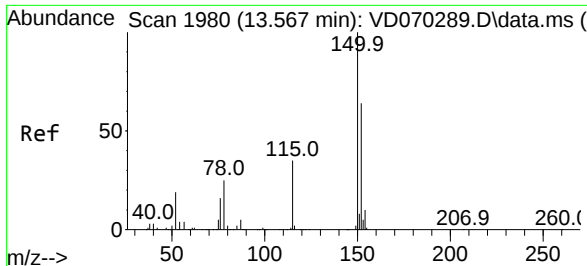
Tgt Ion:117 Resp: 710110
Ion Ratio Lower Upper
117 100
82 57.3 45.0 67.4
119 32.8 25.2 37.8



#71
Bromoform
Concen: 1.015 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD070503.D
Acq: 28 Sep 2021 15:31

Tgt Ion:173 Resp: 2703
Ion Ratio Lower Upper
173 100
175 528.0 25.1 75.2#
254 0.0 0.1 0.1#

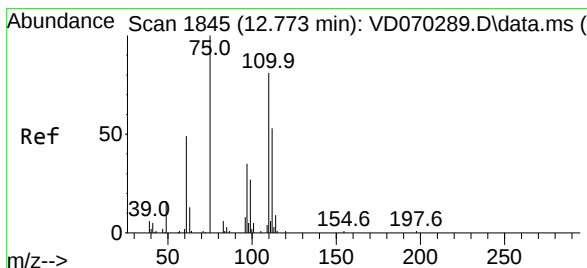
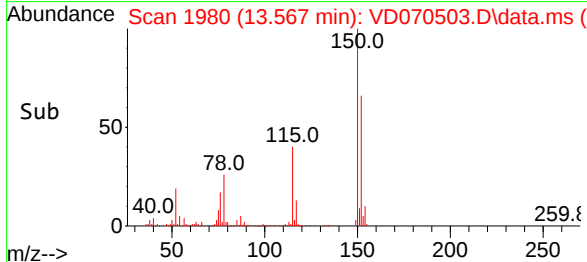
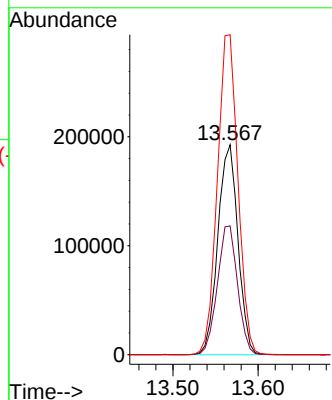
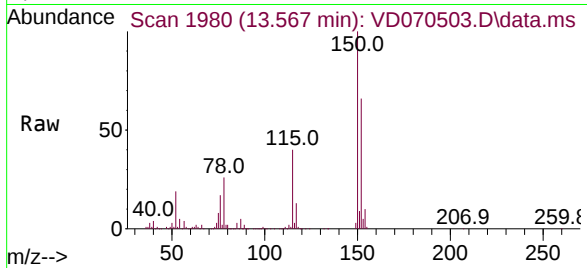




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070503.D
 Acq: 28 Sep 2021 15:31

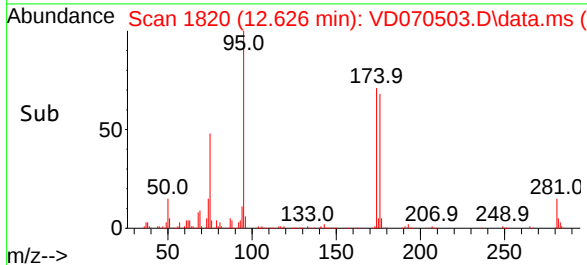
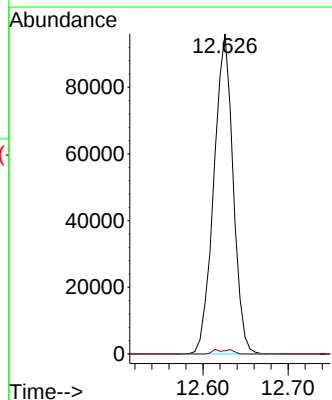
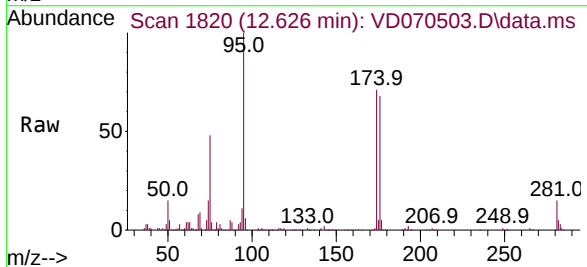
Instrument :
 MSVOA_D
 ClientSampleId :
 SUB-SLAB-03-(33-35)

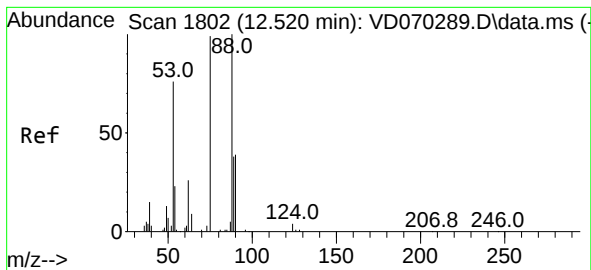
Tgt Ion:152 Resp: 315722
 Ion Ratio Lower Upper
 152 100
 115 61.7 32.1 96.3
 150 156.0 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 47.219 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070503.D
 Acq: 28 Sep 2021 15:31

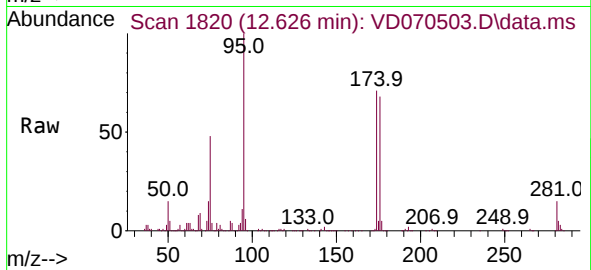
Tgt Ion: 75 Resp: 150796
 Ion Ratio Lower Upper
 75 100
 77 1.3 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.311 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070503.D
 Acq: 28 Sep 2021 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 SUB-SLAB-03-(33-35)



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	64.2	96.2#
89	0.1	35.6	53.4#

