

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092721\
 Data File : VD070474.D
 Acq On : 27 Sep 2021 13:36
 Operator : VA/SY
 Sample : M3908-07
 Misc : 4.60G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SUB-SLAB-06-(6-8)

Quant Time: Sep 28 04:12:56 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)

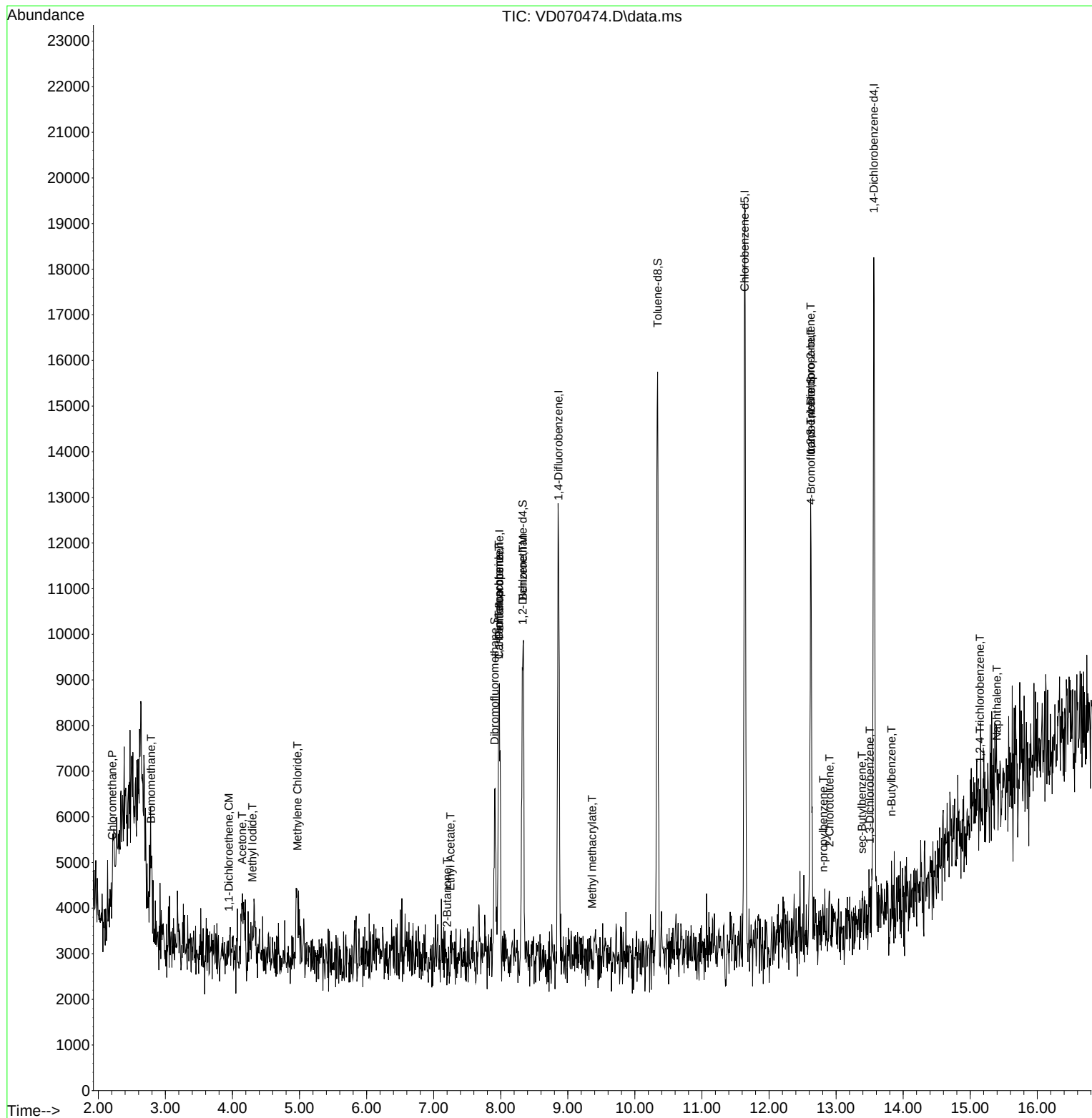
Internal Standards						
1) Pentafluorobenzene	7.979	168	4988	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	9881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	10041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	4082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	5741	89.637	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 179.280%#	
35) Dibromofluoromethane	7.909	113	2649	37.663	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 75.320%	
50) Toluene-d8	10.338	98	9051	35.443	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 70.880%	
62) 4-Bromofluorobenzene	12.626	95	3763	42.164	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	722	7.240	ug/l	100
5) Bromomethane	2.785	94	1688	33.727	ug/l	# 64
10) Methyl Iodide	4.297	142	394	7.281	ug/l	# 57
12) 1,1-Dichloroethene	3.944	96	139	2.394	ug/l	# 1
16) Acetone	4.144	43	988	86.404	ug/l	# 36
20) Methylene Chloride	4.968	84	1222	11.566	ug/l	# 34
25) 2-Butanone	7.203	43	67	4.402	ug/l	# 47
36) 1,1-Dichloropropene	7.973	75	230	2.178	ug/l	# 41
37) Ethyl Acetate	7.250	43	85	2.152	ug/l	# 65
38) Carbon Tetrachloride	7.973	117	393	3.762	ug/l	# 12
40) Benzene	8.332	78	390	1.260	ug/l	# 53
48) Methyl methacrylate	9.361	41	57	1.691	ug/l	# 10
76) 1,2,3-Trichloropropane	12.620	75	1775	42.989	ug/l	# 1
78) n-propylbenzene	12.808	91	450	1.211	ug/l	# 54
79) 2-Chlorotoluene	12.902	91	239	1.104	ug/l	# 42
81) trans-1,4-Dichloro-2-b...	12.620	75	1775	107.712	ug/l	# 17
85) sec-Butylbenzene	13.385	105	478	1.518	ug/l	# 57
87) 1,3-Dichlorobenzene	13.502	146	142	1.033	ug/l	# 25
89) n-Butylbenzene	13.826	91	288	1.141	ug/l	# 33
93) 1,2,4-Trichlorobenzene	15.143	180	180	2.747	ug/l	# 12
95) Naphthalene	15.396	128	270	2.268	ug/l	# 69

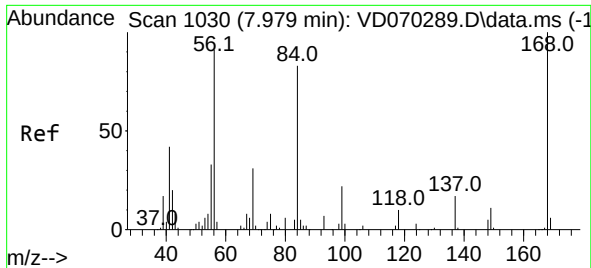
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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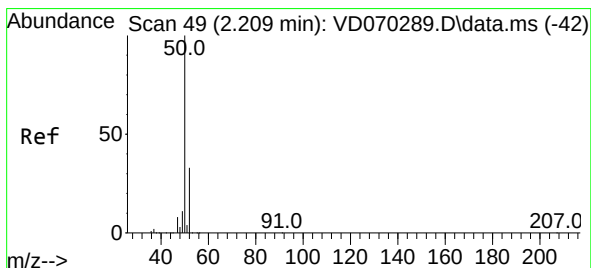
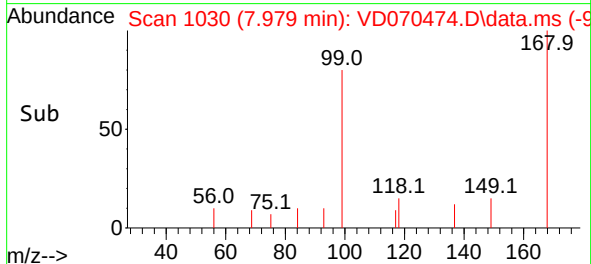
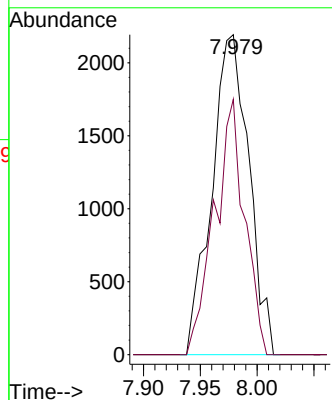
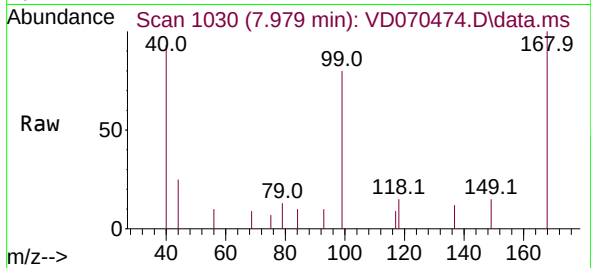




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

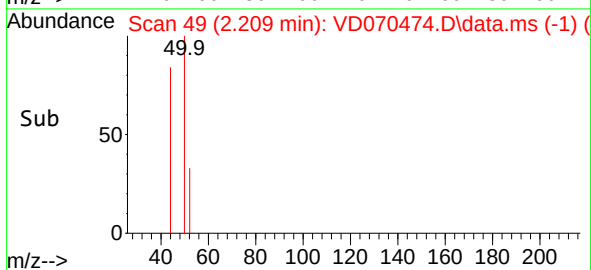
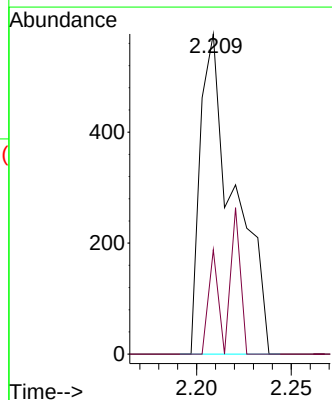
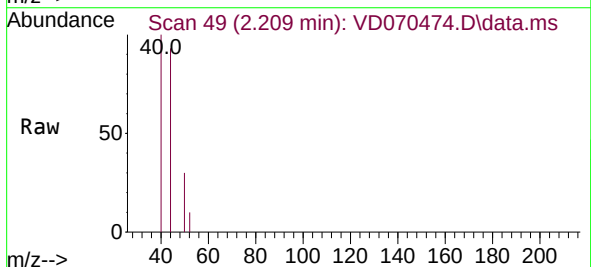
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-06-(6-8)

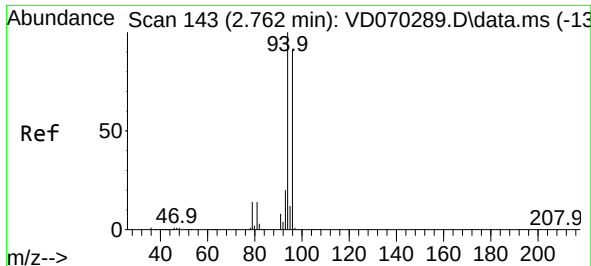
Tgt Ion:168 Resp: 4988
Ion Ratio Lower Upper
168 100
99 79.8 50.8 76.2#



#3
Chloromethane
Concen: 7.240 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

Tgt Ion: 50 Resp: 722
Ion Ratio Lower Upper
50 100
52 32.6 26.2 39.2

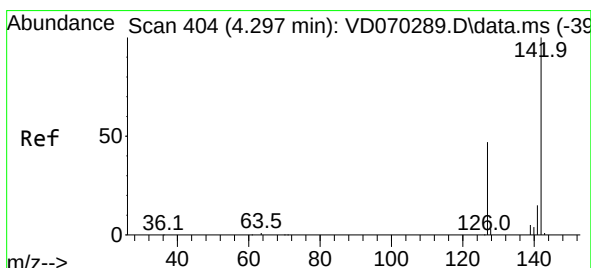
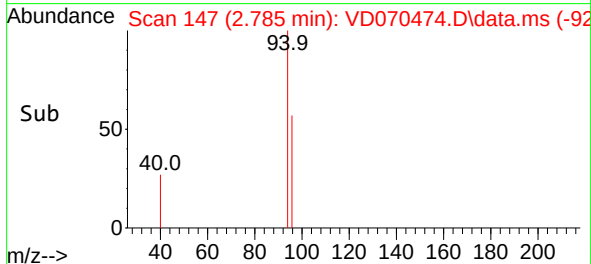
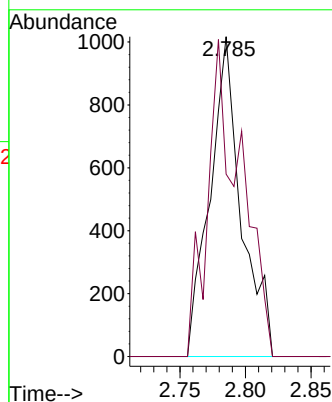
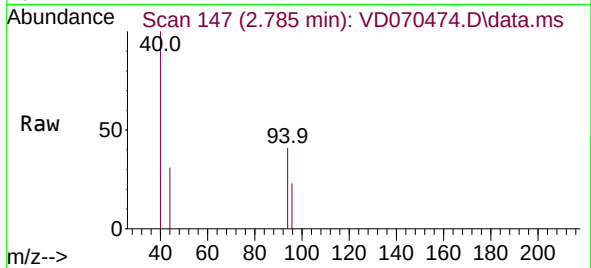




#5
Bromomethane
Concen: 33.727 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

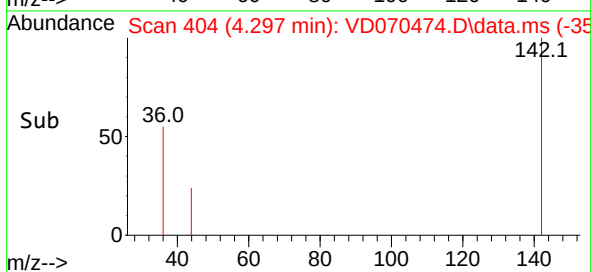
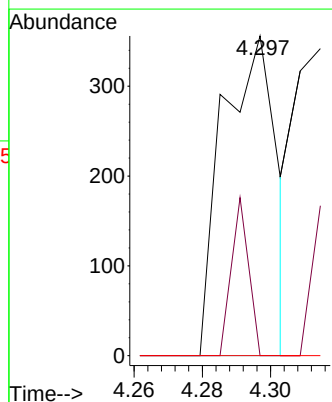
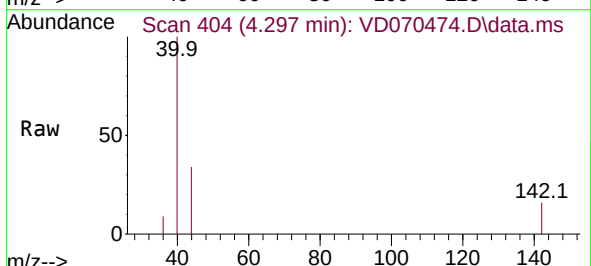
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-06-(6-8)

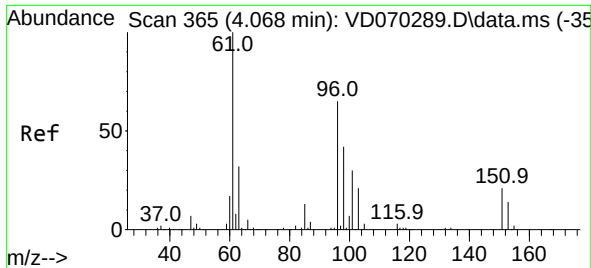
Tgt Ion: 94 Resp: 1688
Ion Ratio Lower Upper
94 100
96 57.0 73.0 109.6#



#10
Methyl Iodide
Concen: 7.281 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

Tgt Ion:142 Resp: 394
Ion Ratio Lower Upper
142 100
127 15.7 36.9 55.3#
141 0.0 11.8 17.6#

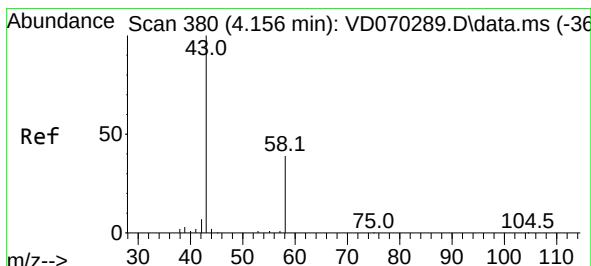
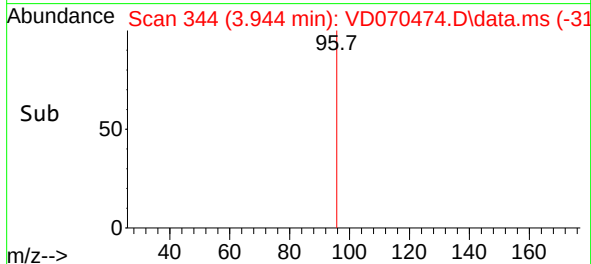
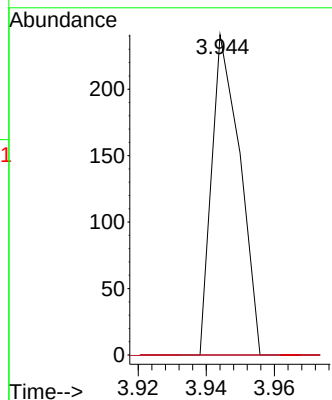
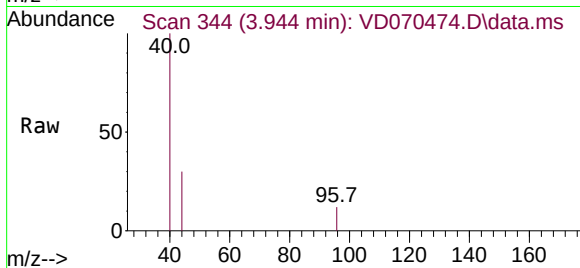




#12
1,1-Dichloroethene
Concen: 2.394 ug/l
RT: 3.944 min Scan# 344
Delta R.T. -0.124 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

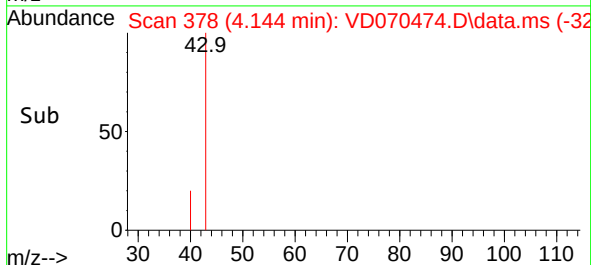
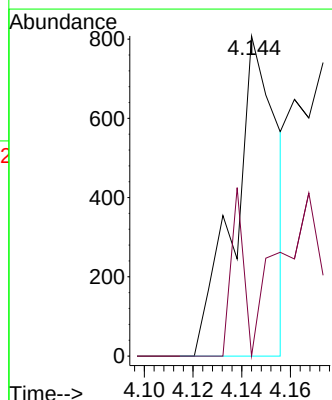
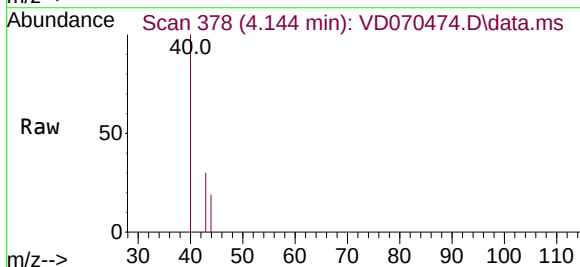
Instrument :
MSVOA_D
ClientSampleId :
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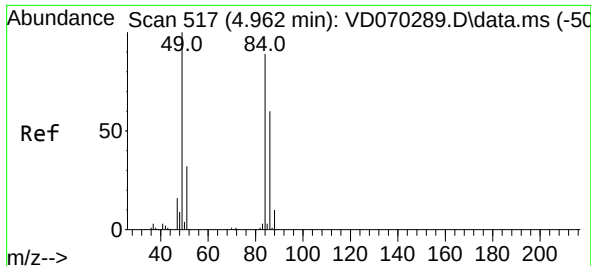
Tgt Ion: 96 Resp: 139
Ion Ratio Lower Upper
96 100
61 0.0 123.2 184.8#
98 0.0 51.9 77.9#



#16
Acetone
Concen: 86.404 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

Tgt Ion: 43 Resp: 988
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#

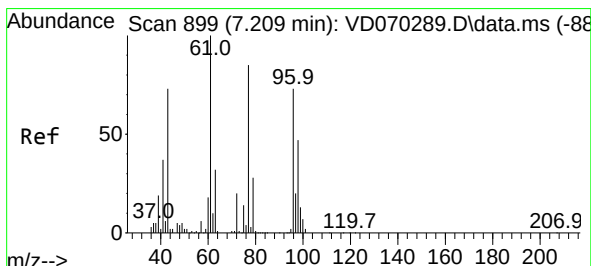
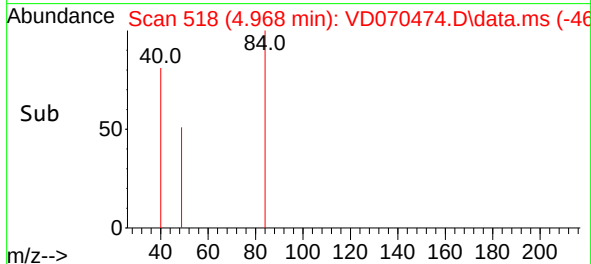
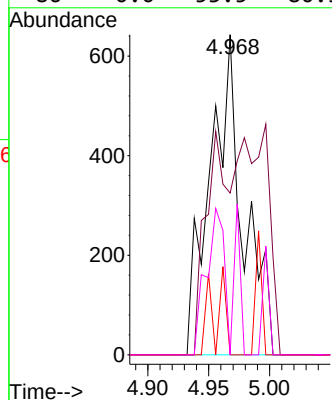
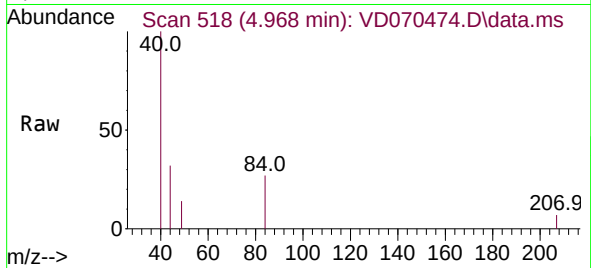




#20
Methylene Chloride
Concen: 11.566 ug/l
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

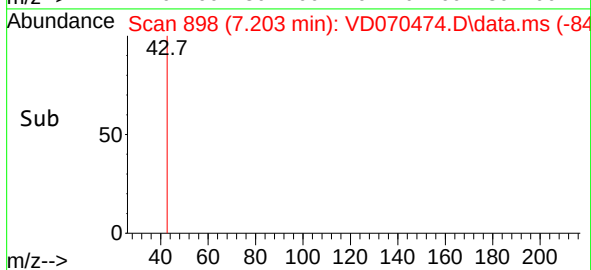
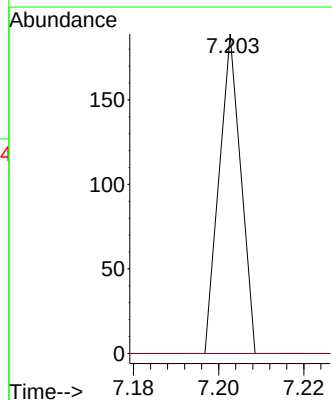
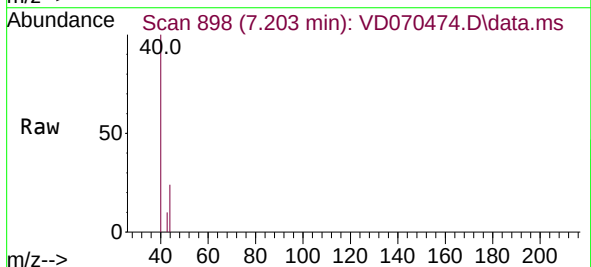
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-06-(6-8)

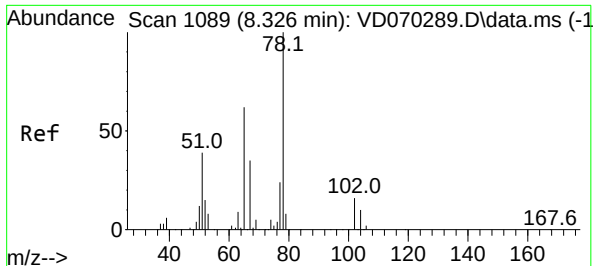
Tgt Ion:	84	Resp:	1222
Ion	Ratio	Lower	Upper
84	100		
49	50.5	89.6	134.4#
51	0.0	28.6	43.0#
86	0.0	53.5	80.3#



#25
2-Butanone
Concen: 4.402 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

Tgt Ion:	43	Resp:	67
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.2	33.4#



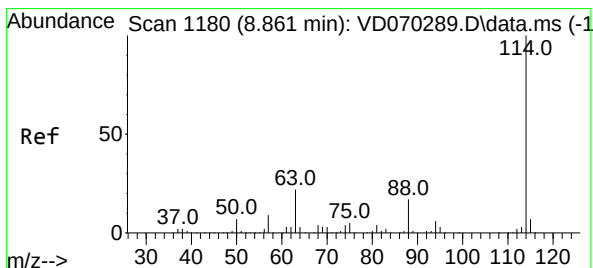
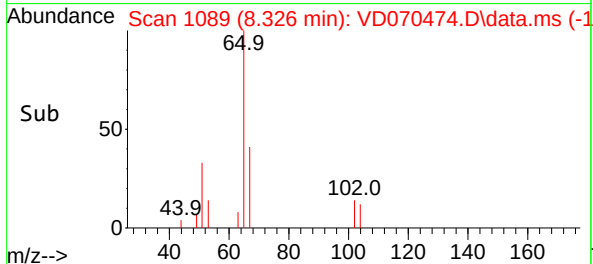
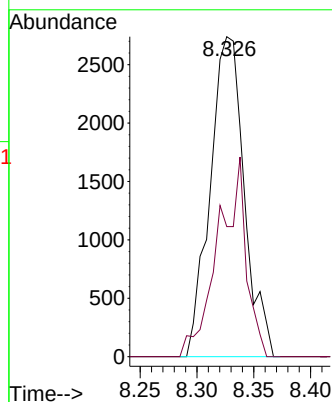
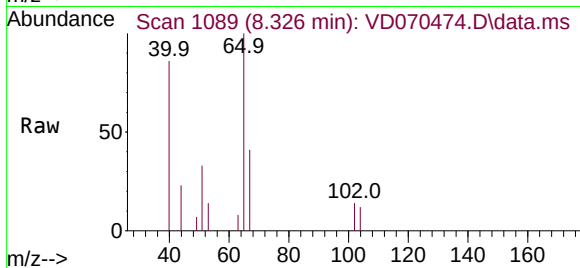


#33

1,2-Dichloroethane-d4
Concen: 89.637 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-06-(6-8)

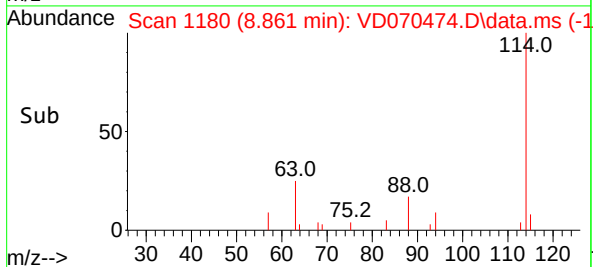
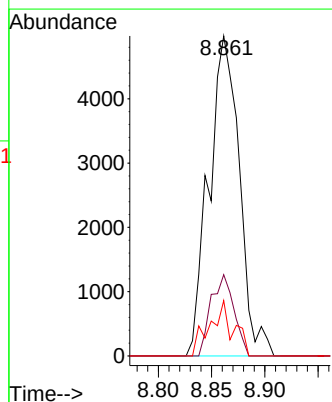
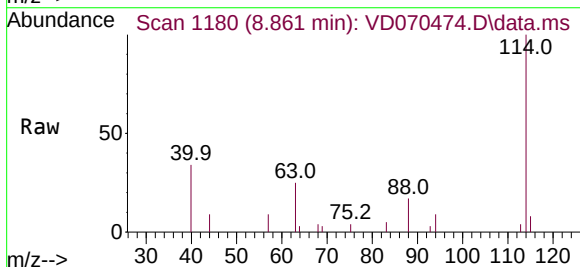
Tgt Ion: 65 Resp: 5741
Ion Ratio Lower Upper
65 100
67 50.8 0.0 111.4

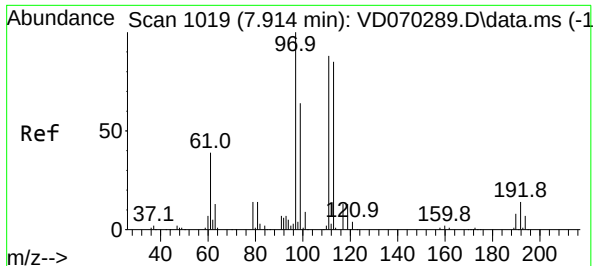


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

Tgt Ion: 114 Resp: 9881
Ion Ratio Lower Upper
114 100
63 25.4 0.0 43.4
88 17.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 37.663 ug/l

RT: 7.909 min Scan# 1018

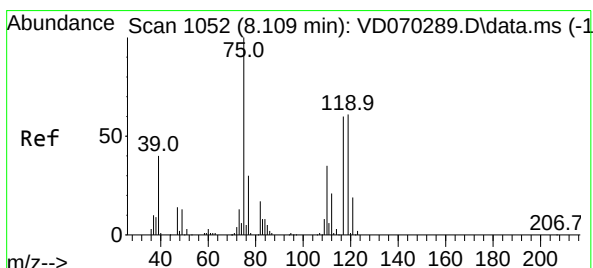
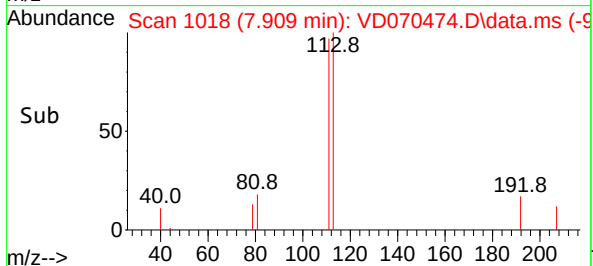
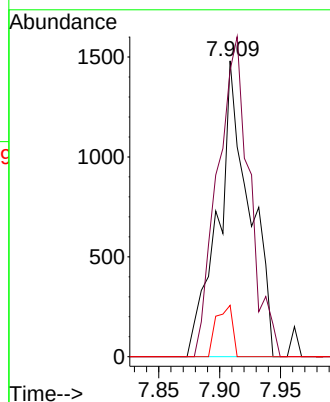
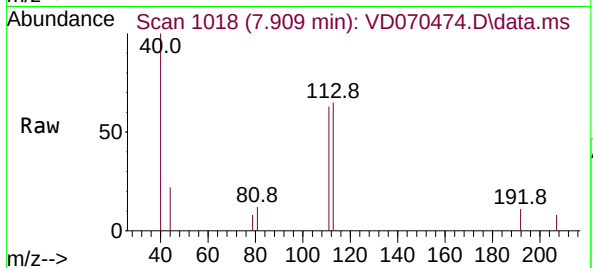
Delta R.T. -0.006 min

Lab File: VD070474.D

Acq: 27 Sep 2021 13:36

Tgt Ion:	113	Resp:	2649
Ion	Ratio	Lower	Upper
113	100		
111	110.8	81.4	122.2
192	9.0	13.0	19.6#

Instrument :
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ClientSampleId :
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#36

1,1-Dichloropropene

Concen: 2.178 ug/l

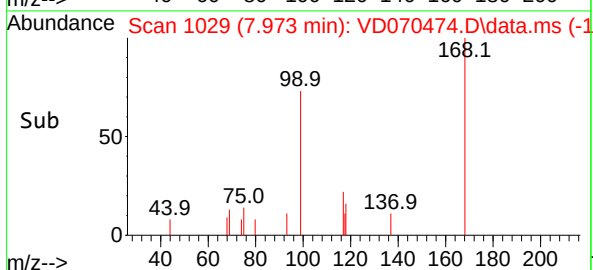
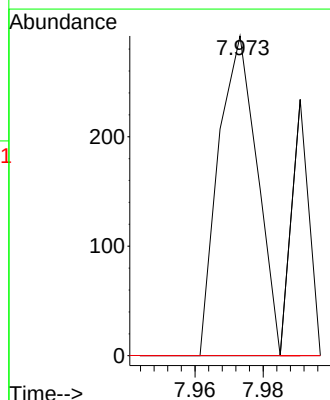
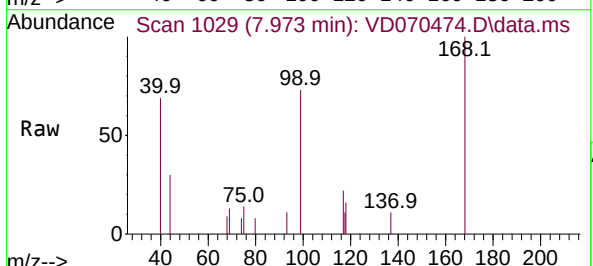
RT: 7.973 min Scan# 1029

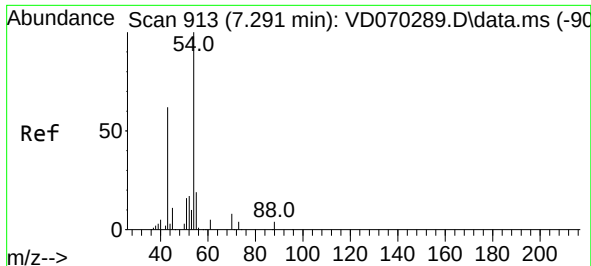
Delta R.T. -0.135 min

Lab File: VD070474.D

Acq: 27 Sep 2021 13:36

Tgt Ion:	75	Resp:	230
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.9	53.7#
77	0.0	25.3	37.9#

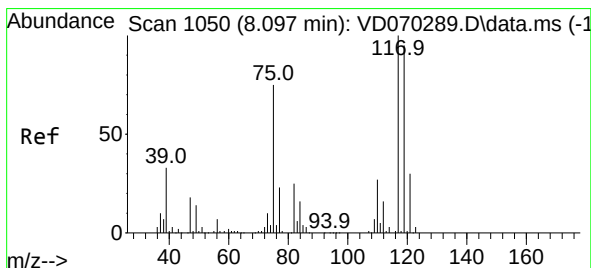
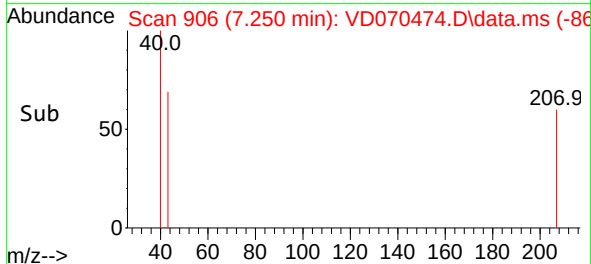
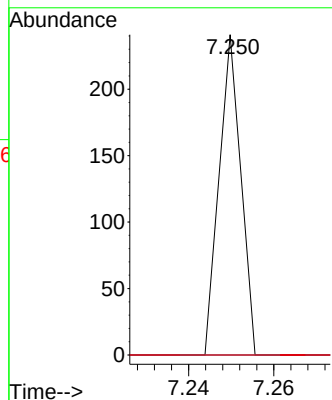
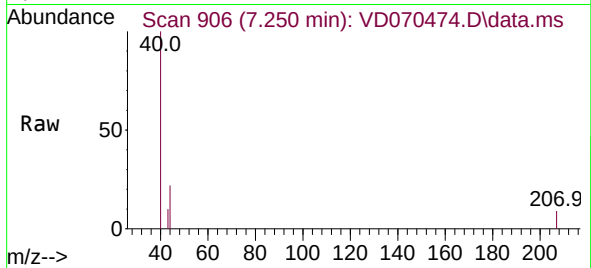




#37
Ethyl Acetate
Concen: 2.152 ug/l
RT: 7.250 min Scan# 906
Delta R.T. -0.041 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

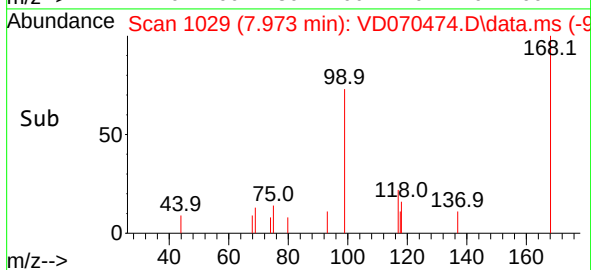
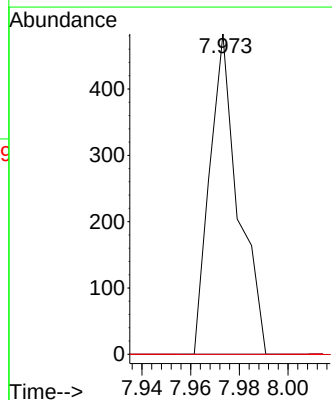
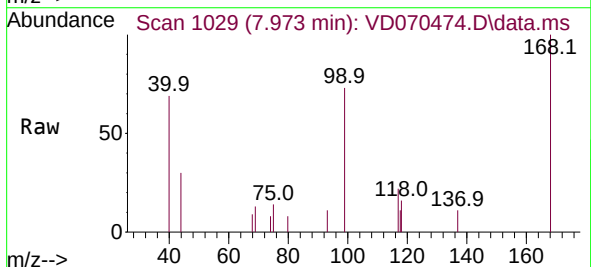
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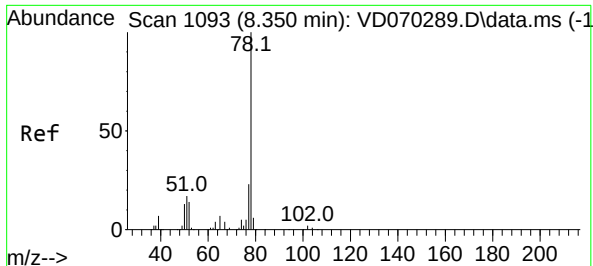
Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 3.762 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

Tgt Ion: 117 Resp: 393
Ion Ratio Lower Upper
117 100
119 0.0 76.1 114.1#
121 0.0 23.8 35.6#





#40

Benzene

Concen: 1.260 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. -0.018 min

Lab File: VD070474.D

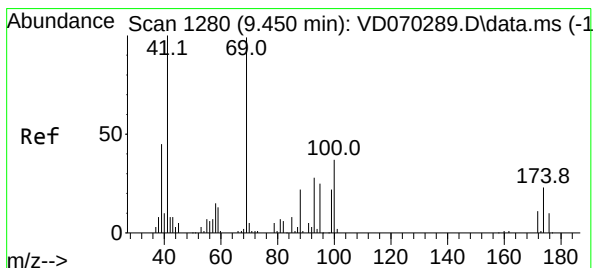
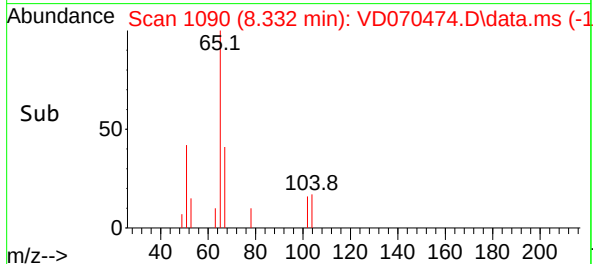
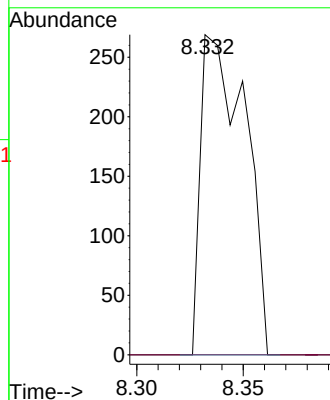
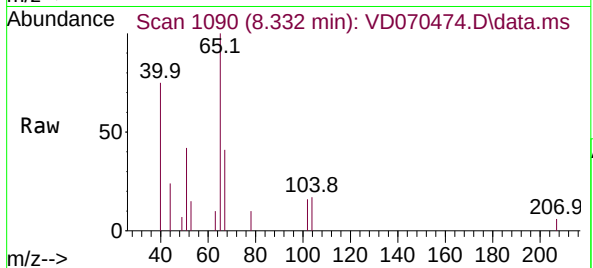
Acq: 27 Sep 2021 13:36

Tgt Ion: 78 Resp: 390

Ion Ratio Lower Upper

78 100

77 0.0 18.4 27.6#



#48

Methyl methacrylate

Concen: 1.691 ug/l

RT: 9.361 min Scan# 1265

Delta R.T. -0.088 min

Lab File: VD070474.D

Acq: 27 Sep 2021 13:36

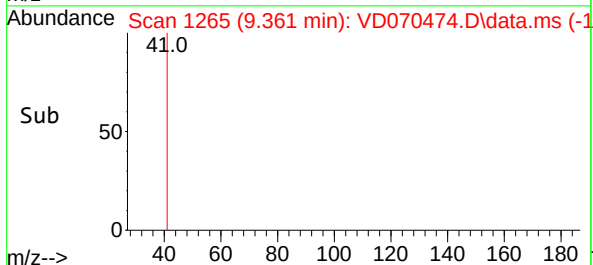
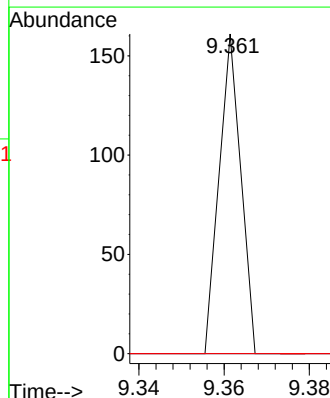
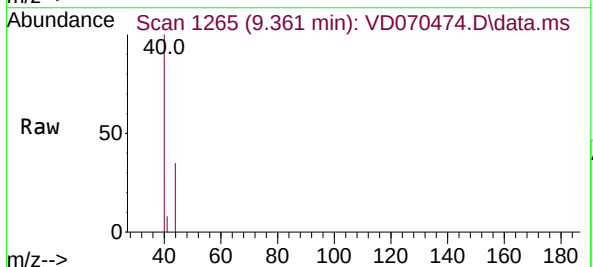
Tgt Ion: 41 Resp: 57

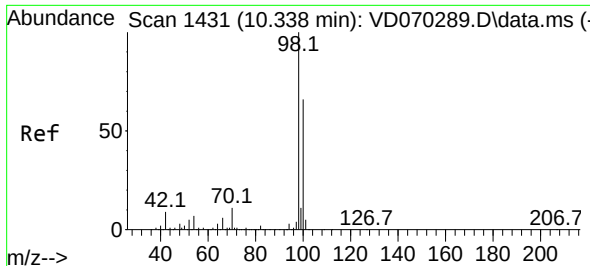
Ion Ratio Lower Upper

41 100

69 0.0 79.8 119.8#

39 0.0 34.4 51.6#

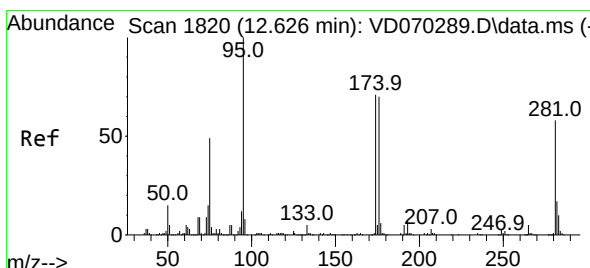
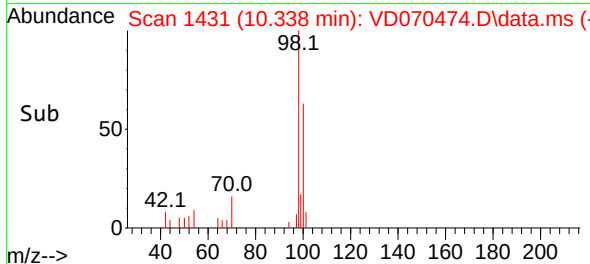
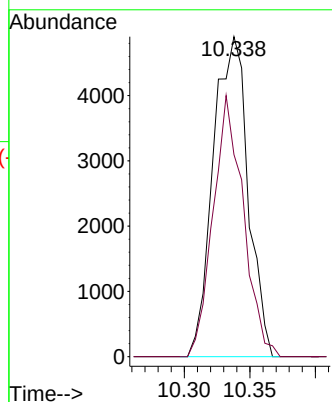
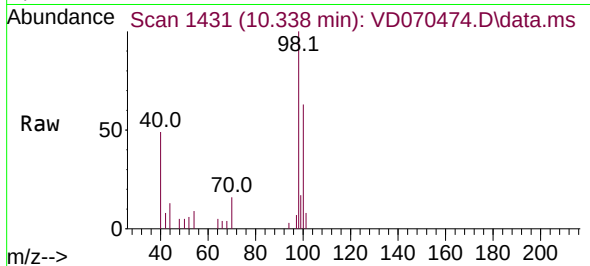




#50
Toluene-d8
Concen: 35.443 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

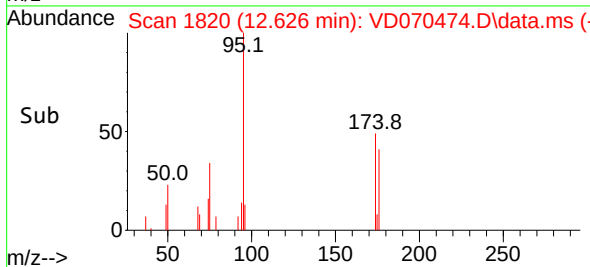
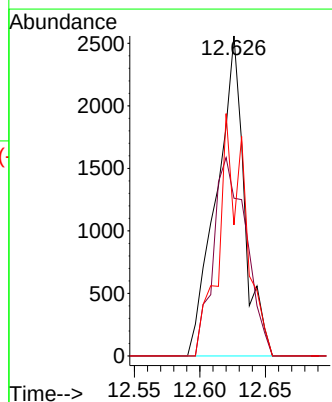
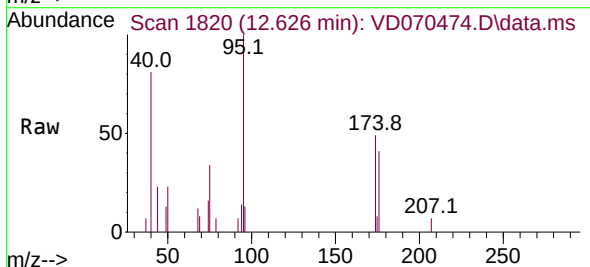
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-06-(6-8)

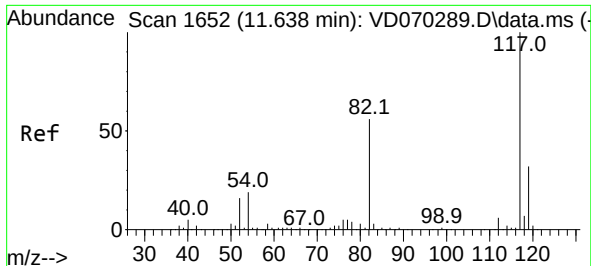
Tgt Ion: 98 Resp: 9051
Ion Ratio Lower Upper
98 100
100 70.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 42.164 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

Tgt Ion: 95 Resp: 3763
Ion Ratio Lower Upper
95 100
174 73.2 0.0 140.6
176 71.8 0.0 137.4

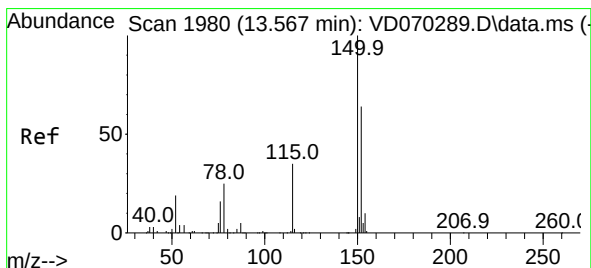
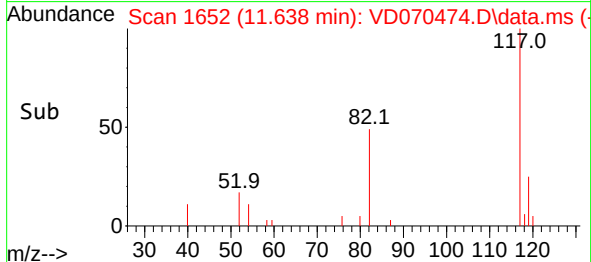
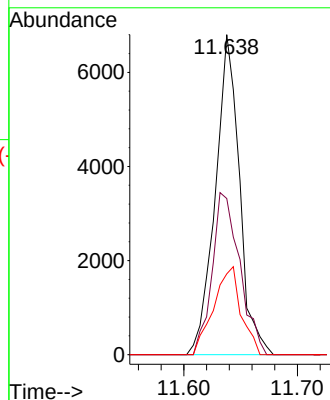
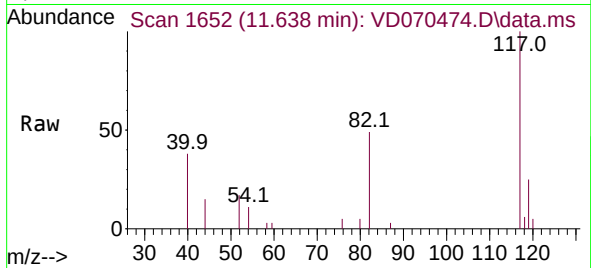




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

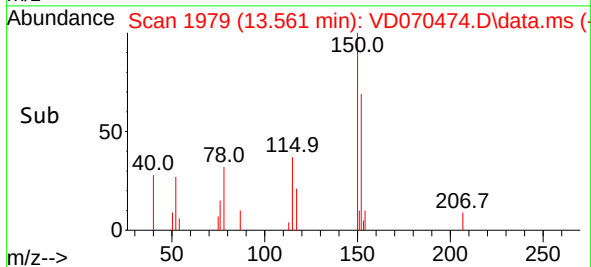
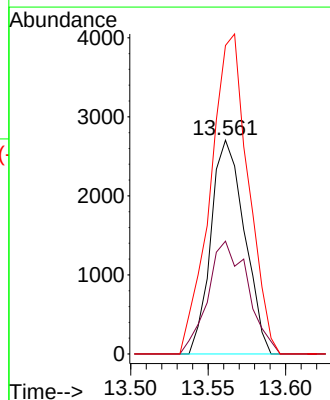
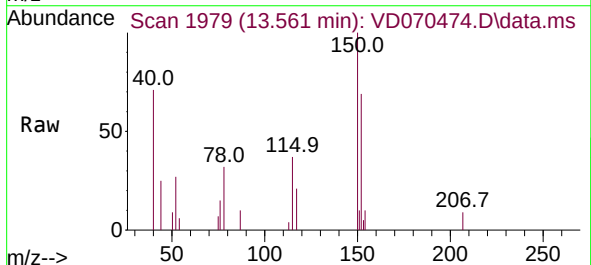
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-06-(6-8)

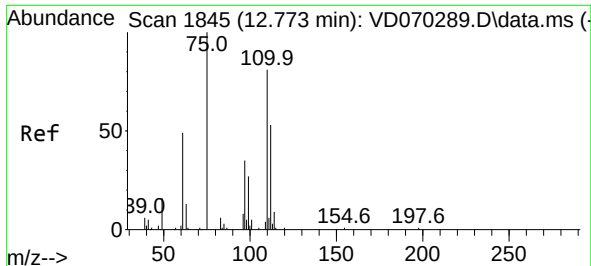
Tgt Ion:117	Resp:	10041
Ion	Ratio	Lower Upper
117	100	
82	48.8	45.0 67.4
119	25.3	25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

Tgt Ion:152	Resp:	4082
Ion	Ratio	Lower Upper
152	100	
115	62.9	32.1 96.3
150	168.4	0.0 350.6

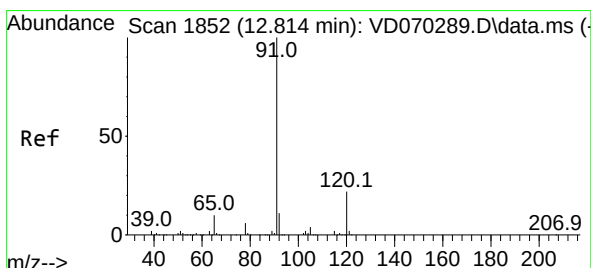
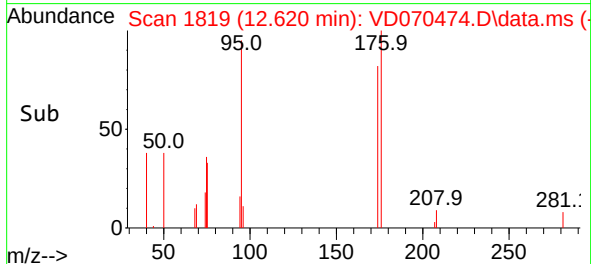
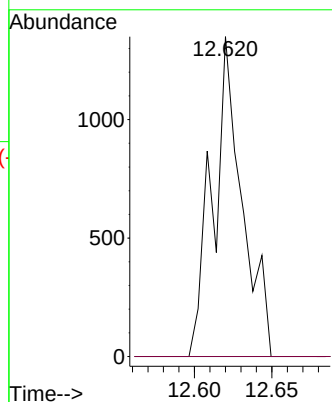
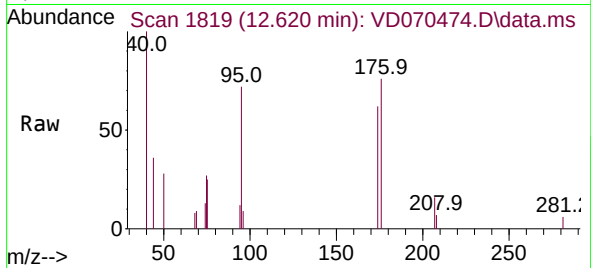




#76
1,2,3-Trichloropropane
Concen: 42.989 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

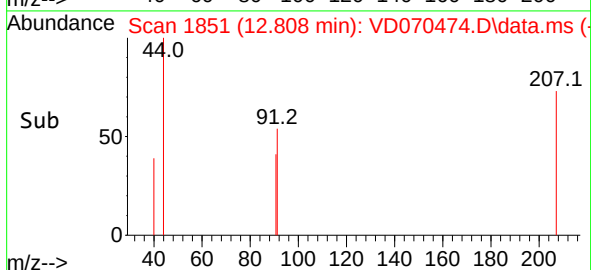
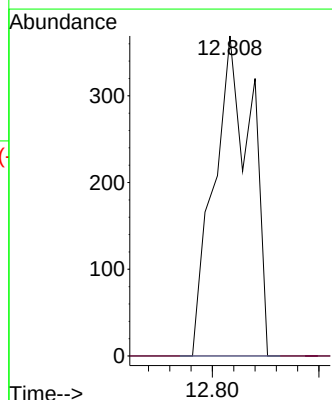
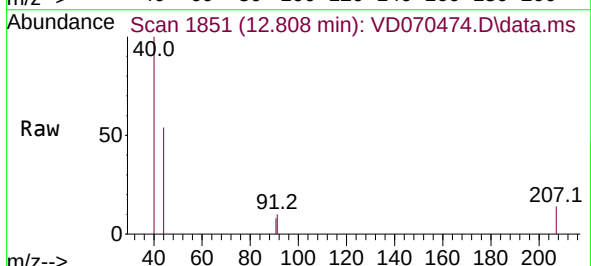
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-06-(6-8)

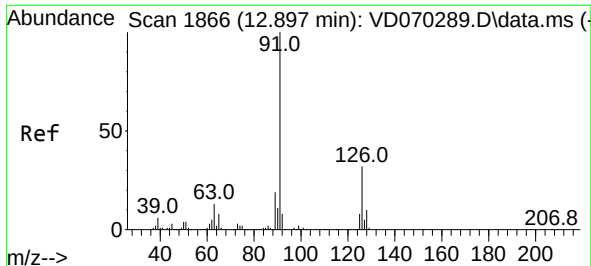
Tgt Ion: 75 Resp: 1775
Ion Ratio Lower Upper
75 100
77 0.0 174.9 524.7#



#78
n-propylbenzene
Concen: 1.211 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

Tgt Ion: 91 Resp: 450
Ion Ratio Lower Upper
91 100
120 0.0 11.0 33.0#

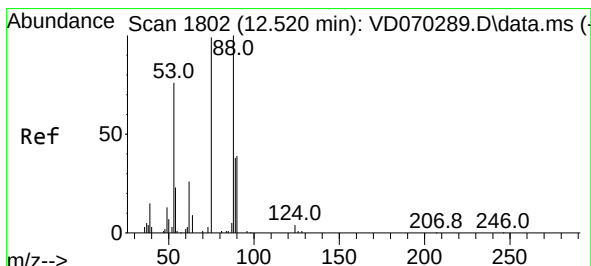
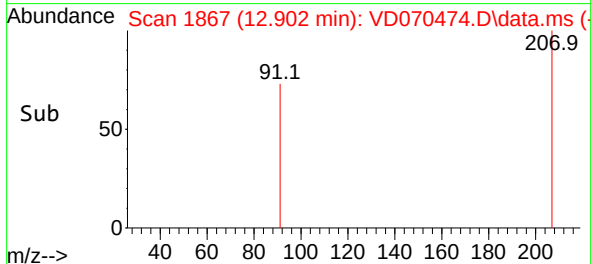
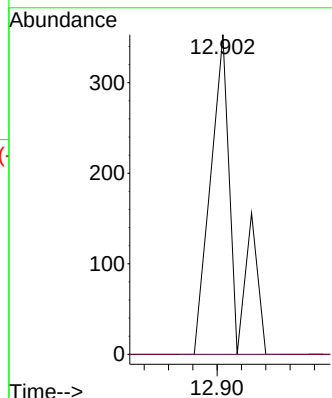
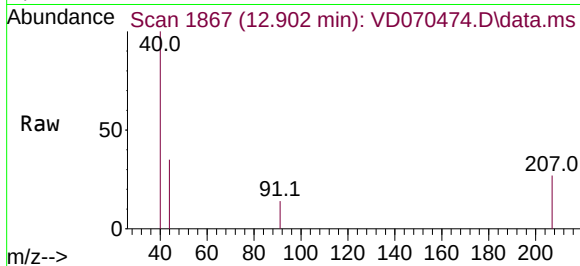




#79
2-Chlorotoluene
Concen: 1.104 ug/l
RT: 12.902 min Scan# 1867
Delta R.T. 0.006 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

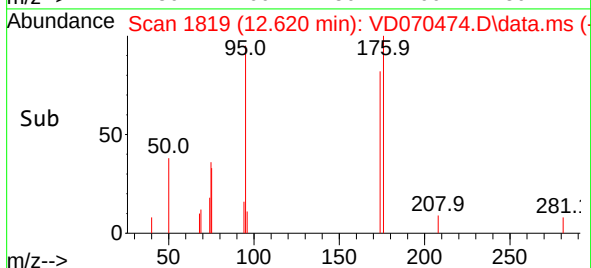
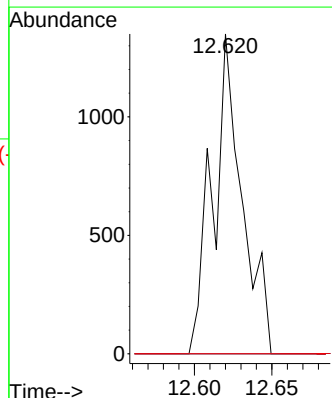
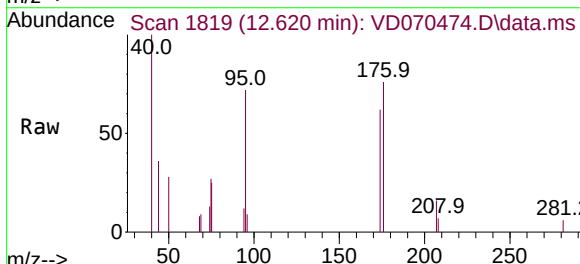
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-06-(6-8)

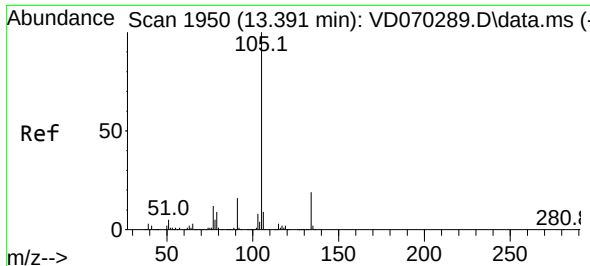
Tgt Ion: 91 Resp: 239
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.712 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

Tgt Ion: 75 Resp: 1775
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.0 35.6 53.4#

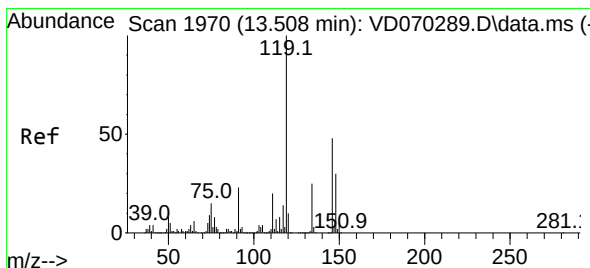
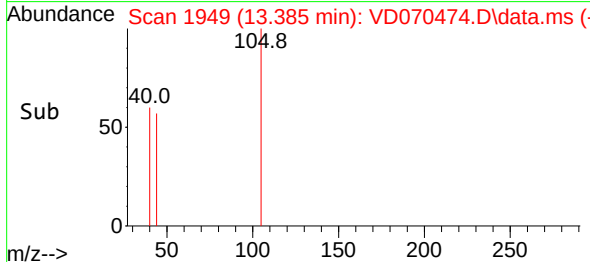
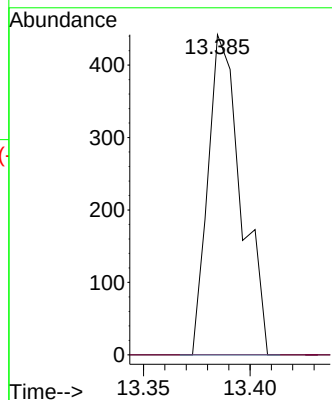
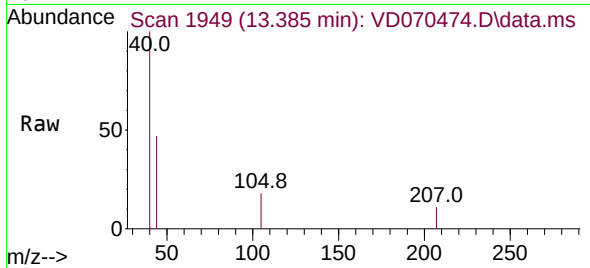




#85
 sec-Butylbenzene
 Concen: 1.518 ug/l
 RT: 13.385 min Scan# 1949
 Delta R.T. -0.006 min
 Lab File: VD070474.D
 Acq: 27 Sep 2021 13:36

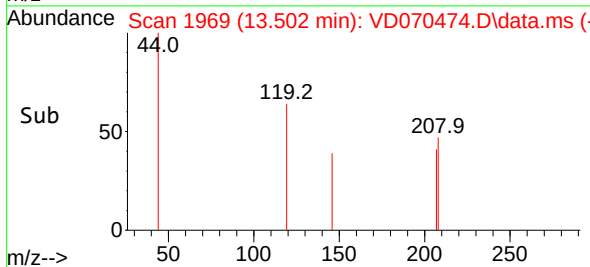
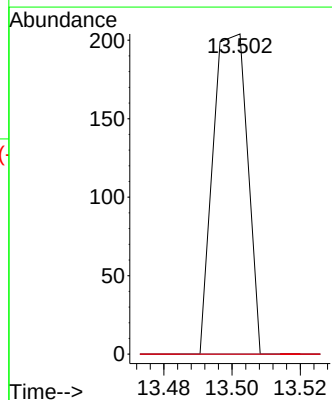
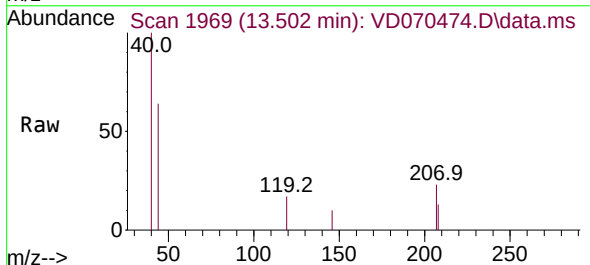
Instrument :
 MSVOA_D
 ClientSampleId :
 SUB-SLAB-06-(6-8)

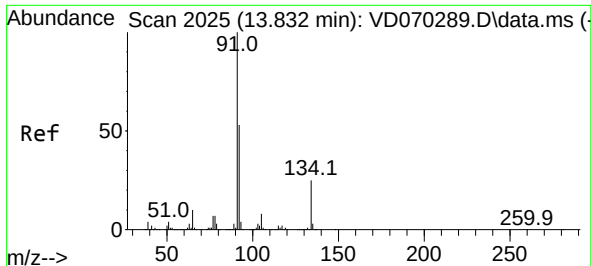
Tgt Ion:105 Resp: 478
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#87
 1,3-Dichlorobenzene
 Concen: 1.033 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.006 min
 Lab File: VD070474.D
 Acq: 27 Sep 2021 13:36

Tgt Ion:146 Resp: 142
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.5 64.5#
 148 0.0 31.4 94.2#

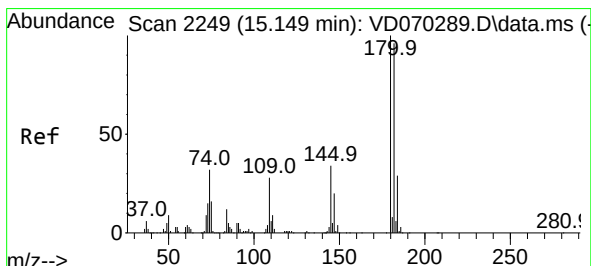
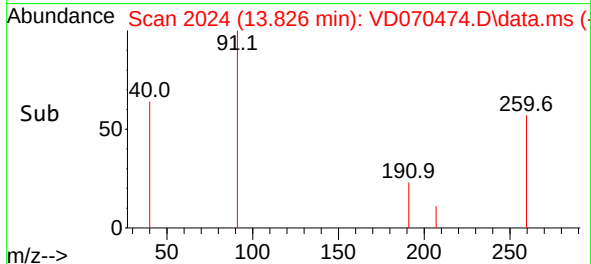
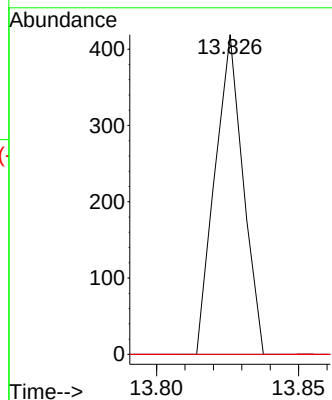
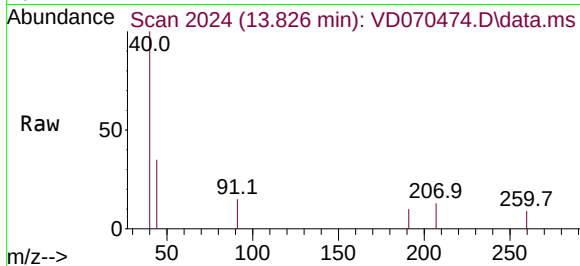




#89
n-Butylbenzene
Concen: 1.141 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.006 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

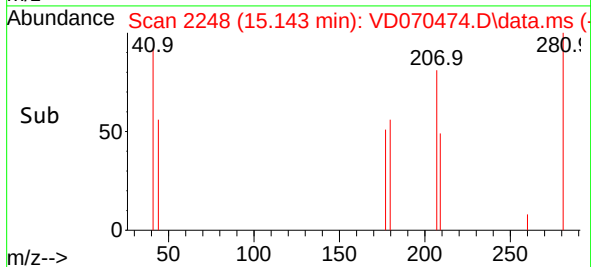
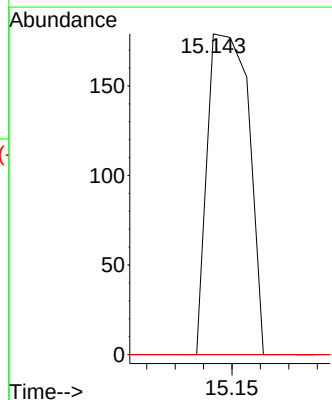
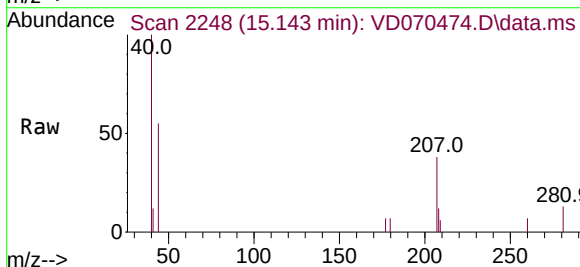
Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-06-(6-8)

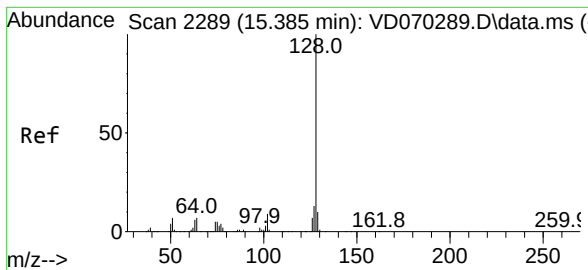
Tgt Ion: 91 Resp: 288
Ion Ratio Lower Upper
91 100
92 0.0 26.8 80.4#
134 0.0 12.1 36.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.747 ug/l
RT: 15.143 min Scan# 2248
Delta R.T. -0.006 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

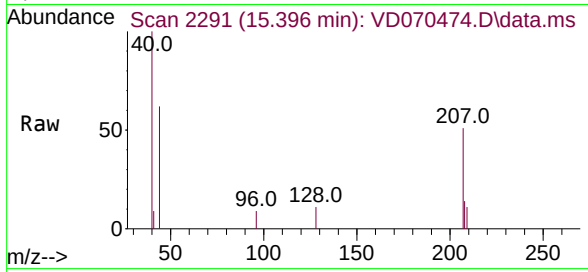
Tgt Ion:180 Resp: 180
Ion Ratio Lower Upper
180 100
182 0.0 48.1 144.4#
145 0.0 16.8 50.4#





#95
Naphthalene
Concen: 2.268 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.012 min
Lab File: VD070474.D
Acq: 27 Sep 2021 13:36

Instrument :
MSVOA_D
ClientSampleId :
SUB-SLAB-06-(6-8)



Tgt Ion:128 Resp: 270
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 9.0 13.4#

