

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
 Data File : VD071013.D
 Acq On : 12 Nov 2021 05:09
 Operator : VA/SY
 Sample : M4619-03
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 08:17:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

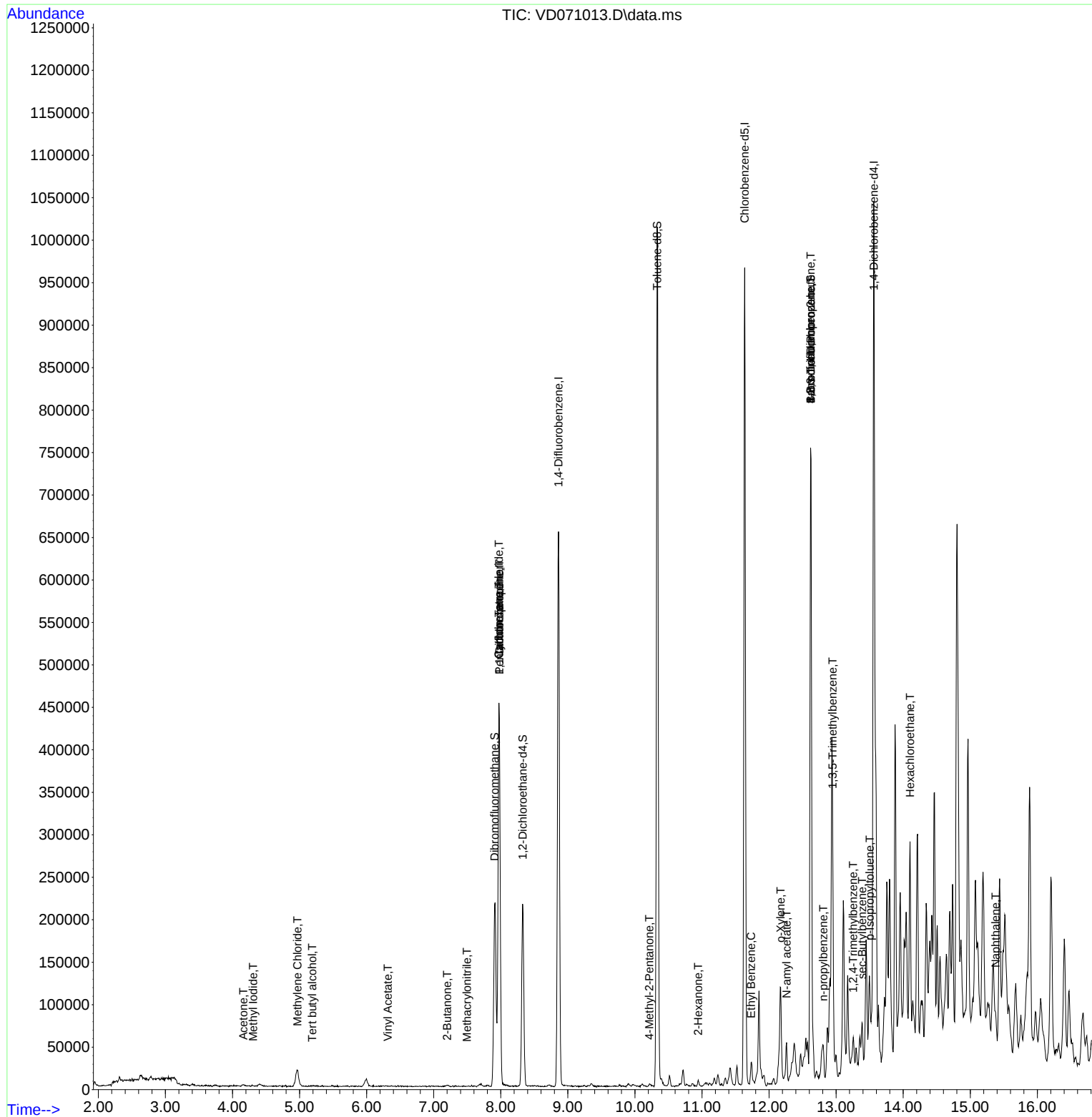
Internal Standards						
1) Pentafluorobenzene	7.979	168	316749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	546796	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	511102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	239110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	164115	48.664	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.320%		
35) Dibromofluoromethane	7.908	113	156951	50.868	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.740%		
50) Toluene-d8	10.332	98	665342	55.062	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	110.120%		
62) 4-Bromofluorobenzene	12.620	95	244936	56.297	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	112.600%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.309	142	678	6.184	ug/l #	50
11) Tert butyl alcohol	5.191	59	317	1.286	ug/l #	71
16) Acetone	4.162	43	3771	23.609	ug/l	97
20) Methylene Chloride	4.967	84	14130	3.289	ug/l	95
23) Vinyl Acetate	6.314	43	63	20.991	ug/l #	72
25) 2-Butanone	7.203	43	435	20.707	ug/l #	45
31) Cyclohexane	7.973	56	9135	1.317	ug/l #	19
36) 1,1-Dichloropropene	7.979	75	29026	5.945	ug/l #	50
38) Carbon Tetrachloride	7.973	117	33785	7.515	ug/l #	16
41) Methacrylonitrile	7.497	41	136	3.583	ug/l #	31
51) 4-Methyl-2-Pentanone	10.214	43	2449	1.072	ug/l #	67
59) 2-Hexanone	10.944	43	3198	17.610	ug/l #	22
67) Ethyl Benzene	11.732	91	17844	1.033	ug/l	100
69) o-Xylene	12.173	106	28551	4.650	ug/l	96
71) Bromoform	12.620	173	2080	1.232	ug/l #	1
74) N-amyl acetate	12.261	43	11269	2.290	ug/l #	67
76) 1,2,3-Trichloropropane	12.620	75	133231	65.230	ug/l #	1
78) n-propylbenzene	12.808	91	27224	1.275	ug/l	94
80) 1,3,5-Trimethylbenzene	12.949	105	72976	5.145	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.620	75	133231	120.577	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.255	105	19656	1.415	ug/l	98
85) sec-Butylbenzene	13.390	105	30208	1.645	ug/l	90
86) p-Isopropyltoluene	13.502	119	24876	1.687	ug/l	95
90) Hexachloroethane	14.102	117	11686	4.004	ug/l #	14
95) Naphthalene	15.379	128	9489	1.246	ug/l	96

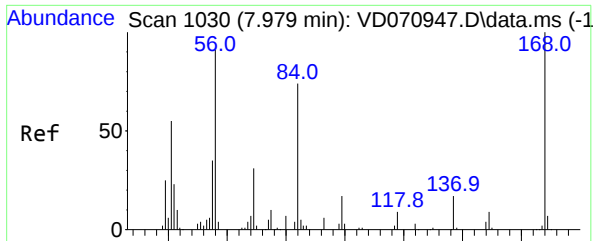
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD071013.D
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Instrument :
MSVOA_D
ClientSampleId :

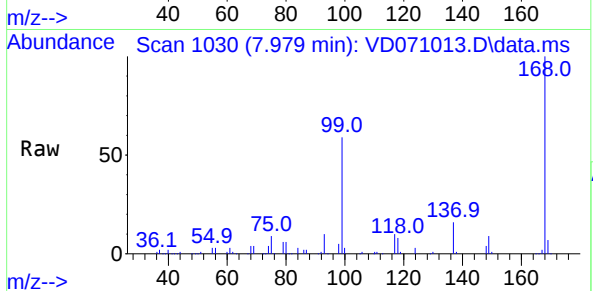
Quant Time: Nov 12 08:17:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
Response via : Initial Calibration



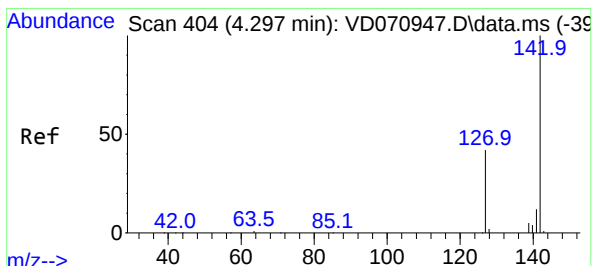
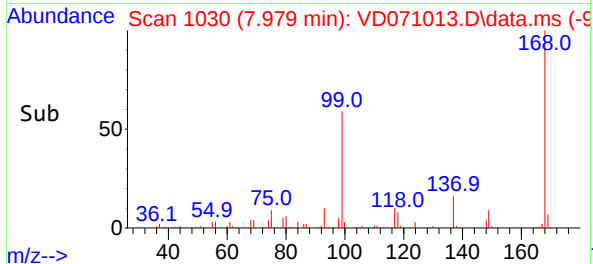
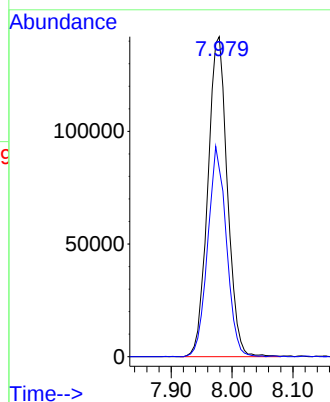


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

Instrument :
MSVOA_D
ClientSampleId :

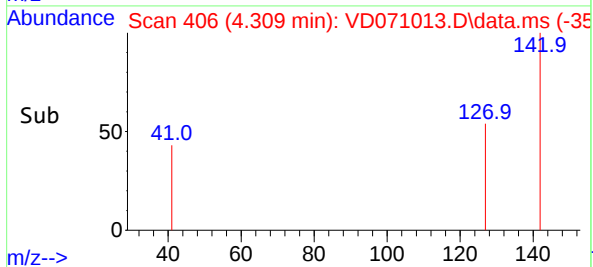
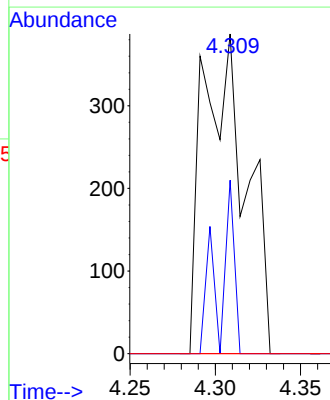
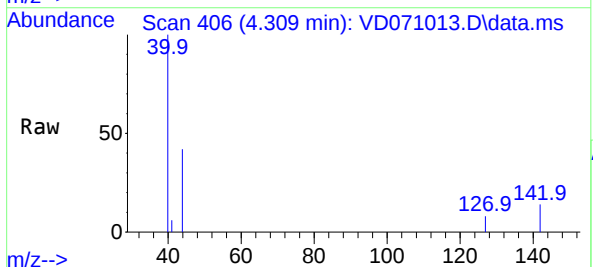


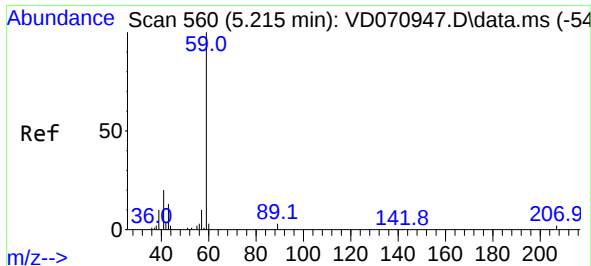
Tgt Ion:168 Resp: 316749
Ion Ratio Lower Upper
168 100
99 58.7 46.6 69.8



#10
Methyl Iodide
Concen: 6.184 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

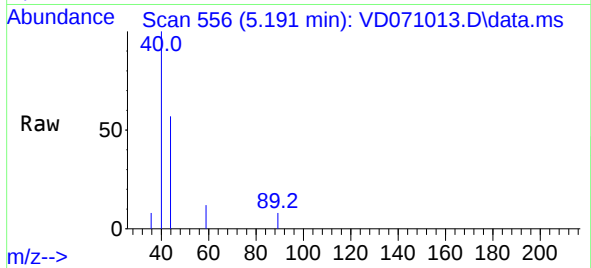
Tgt Ion:142 Resp: 678
Ion Ratio Lower Upper
142 100
127 8.0 35.0 52.4#
141 0.0 12.0 18.0#



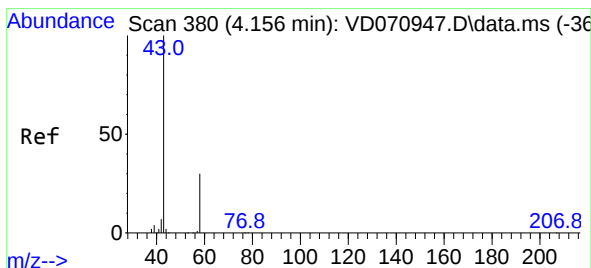
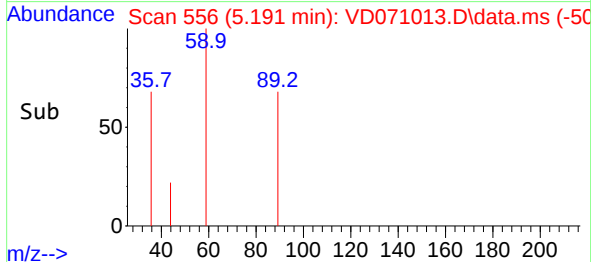
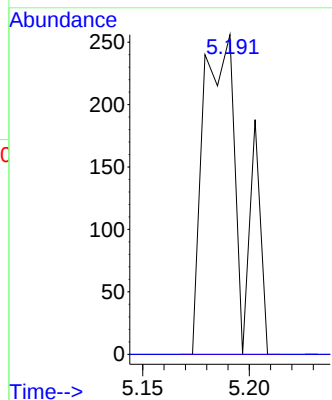


#11
Tert butyl alcohol
Concen: 1.286 ug/l
RT: 5.191 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

Instrument :
MSVOA_D
ClientSampleId :

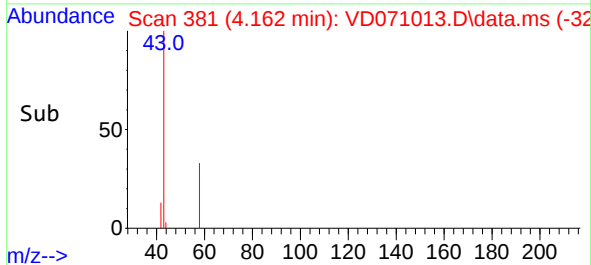
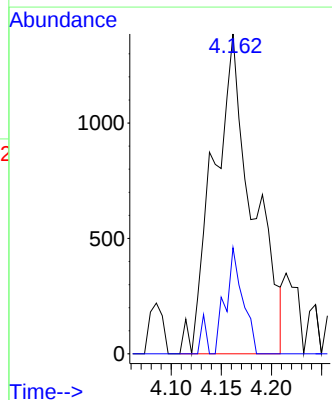
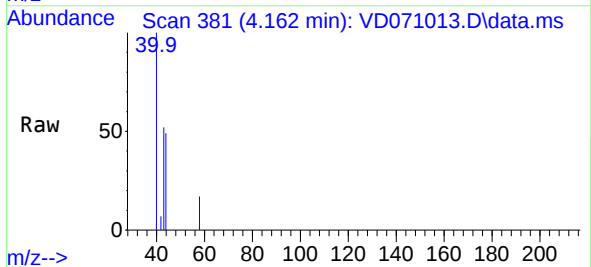


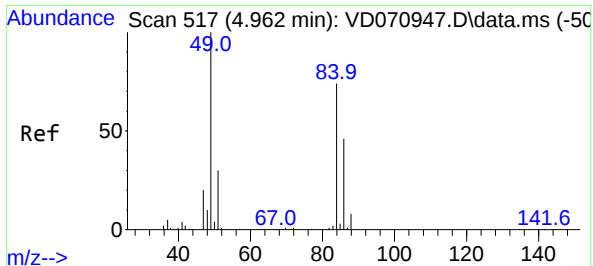
Tgt Ion: 59 Resp: 317
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 23.609 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

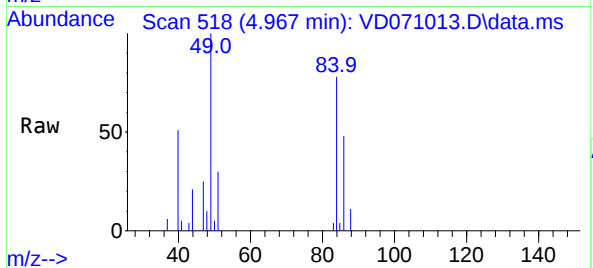
Tgt Ion: 43 Resp: 3771
Ion Ratio Lower Upper
43 100
58 33.2 27.8 41.8





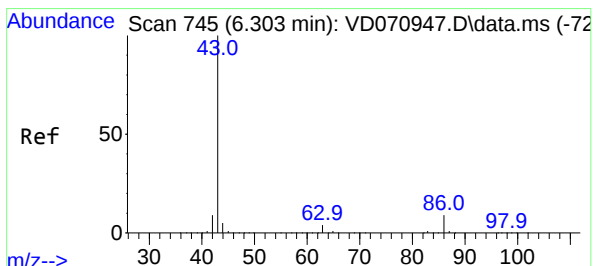
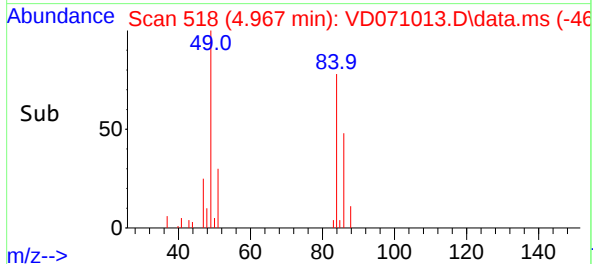
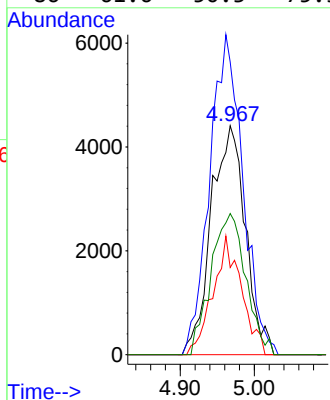
#20
Methylene Chloride
Concen: 3.289 ug/l
RT: 4.967 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 14130

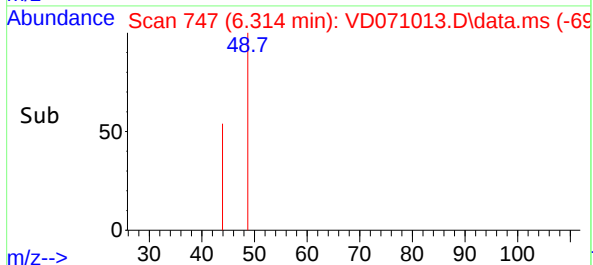
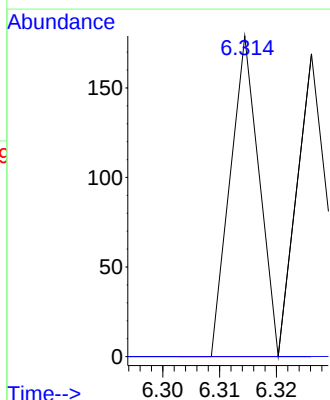
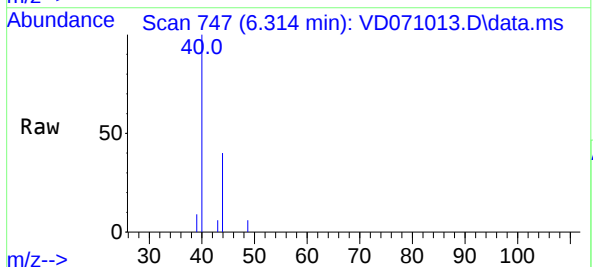
Ion	Ratio	Lower	Upper
84	100		
49	127.8	95.8	143.6
51	38.0	30.9	46.3
86	61.6	50.3	75.5

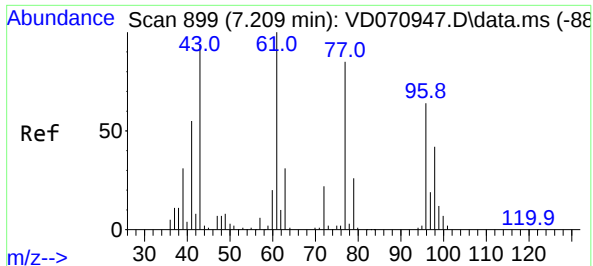


#23
Vinyl Acetate
Concen: 20.991 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.011 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

Tgt Ion: 43 Resp: 63

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

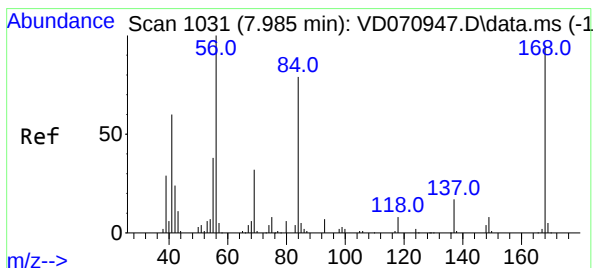
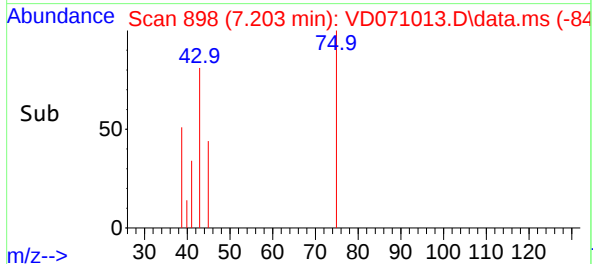
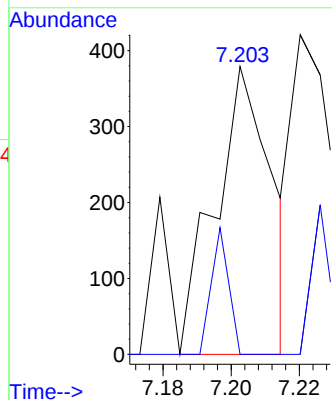
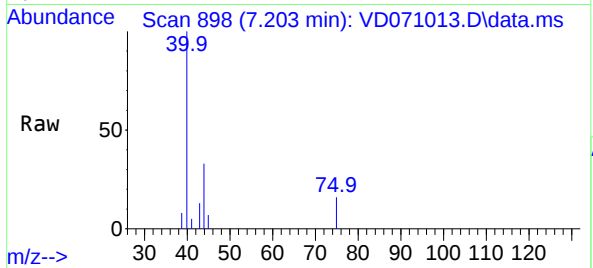




#25
2-Butanone
Concen: 20.707 ug/l
RT: 7.203 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

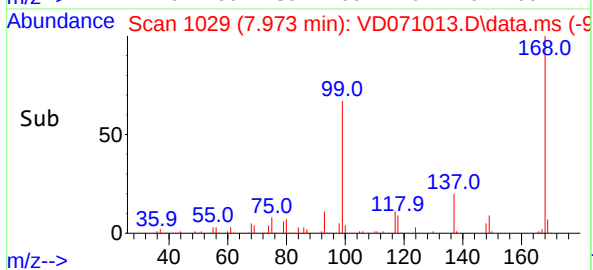
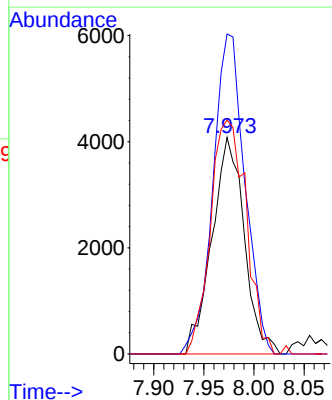
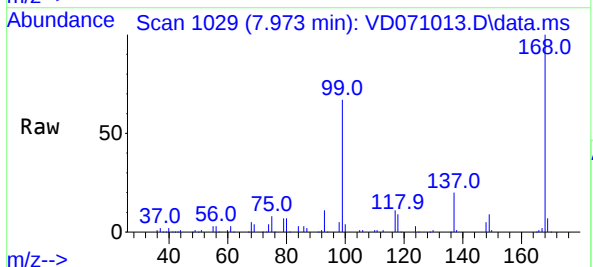
Instrument :
MSVOA_D
ClientSampleId :

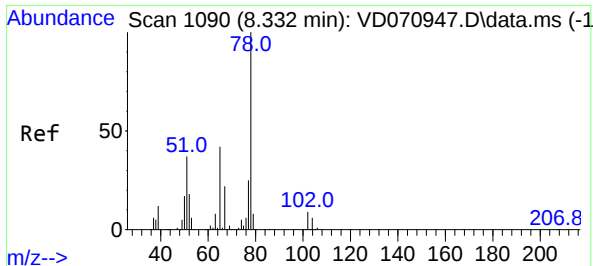
Tgt Ion: 43 Resp: 435
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.317 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

Tgt Ion: 56 Resp: 9135
Ion Ratio Lower Upper
56 100
69 147.8 25.9 38.9#
84 108.0 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 48.664 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD071013.D

Acq: 12 Nov 2021 05:09

Instrument :

MSVOA_D

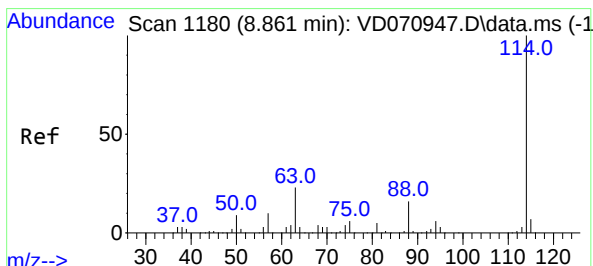
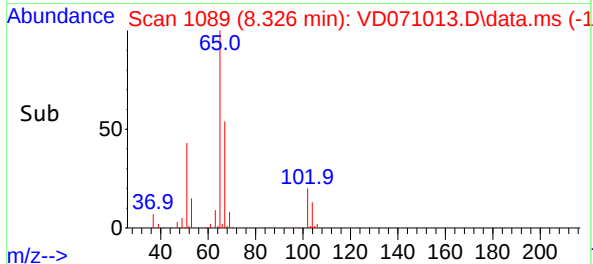
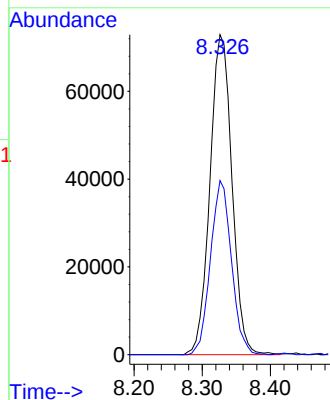
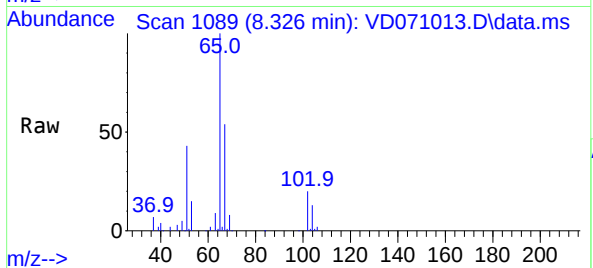
ClientSampleId :

Tgt Ion: 65 Resp: 164115

Ion Ratio Lower Upper

65 100

67 51.8 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071013.D

Acq: 12 Nov 2021 05:09

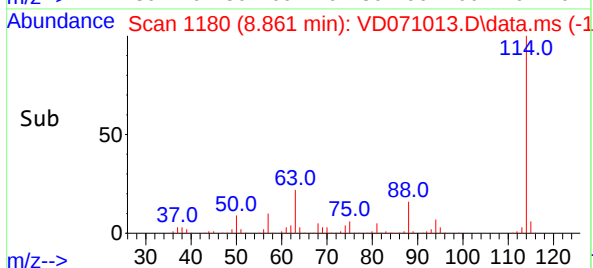
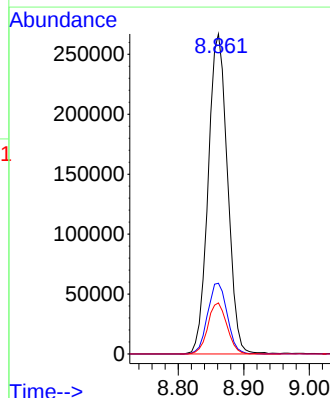
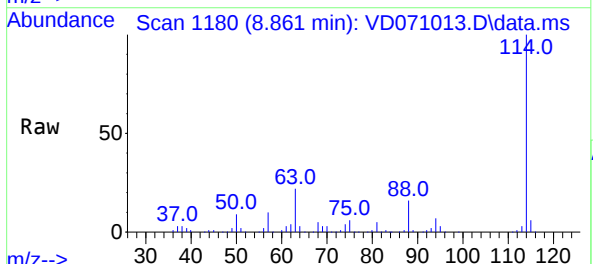
Tgt Ion: 114 Resp: 546796

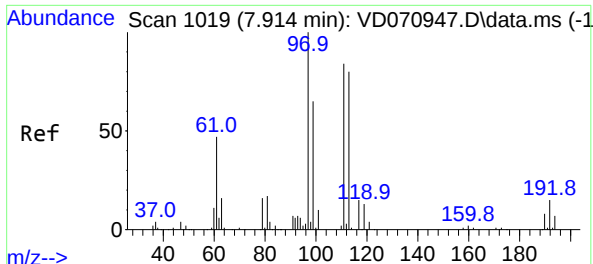
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.8

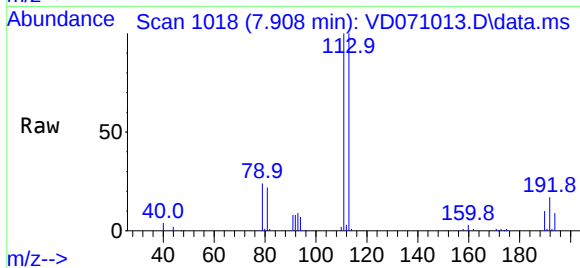
88 15.9 0.0 32.8



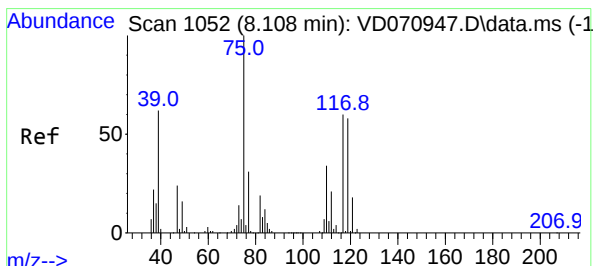
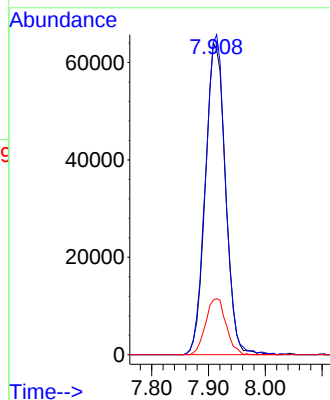
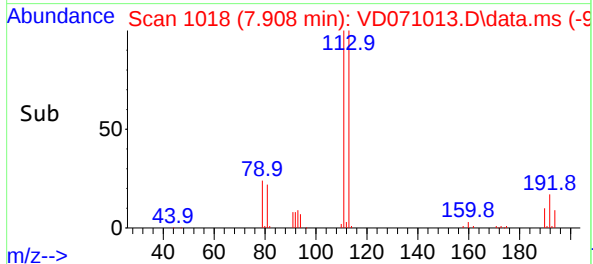


#35
Dibromofluoromethane
Concen: 50.868 ug/l
RT: 7.908 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

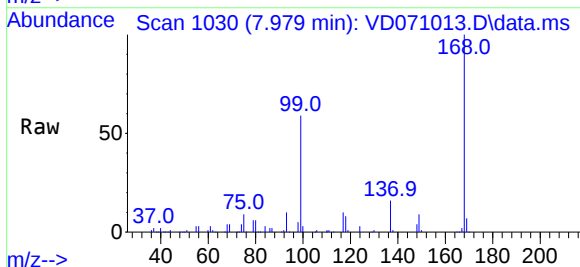
Instrument :
MSVOA_D
ClientSampleId :



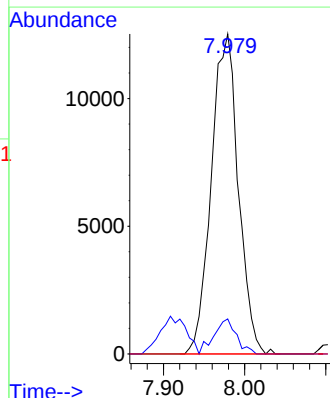
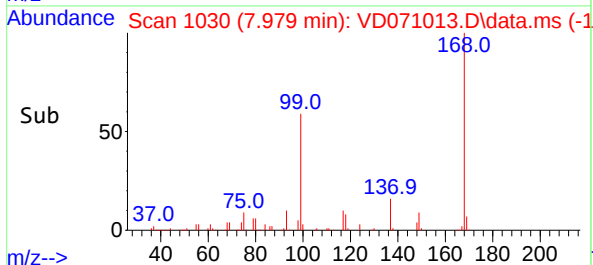
Tgt Ion:113 Resp: 156951
Ion Ratio Lower Upper
113 100
111 101.8 82.0 123.0
192 18.2 15.2 22.8

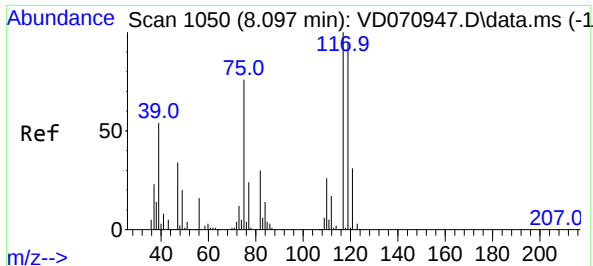


#36
1,1-Dichloropropene
Concen: 5.945 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09



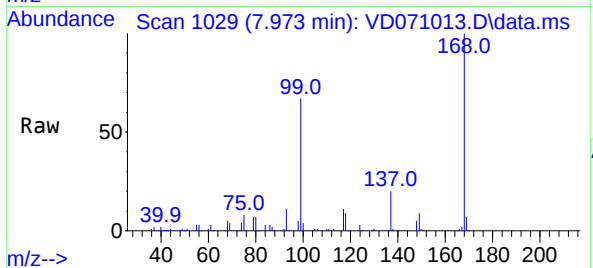
Tgt Ion: 75 Resp: 29026
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.4#
77 0.0 24.8 37.2#



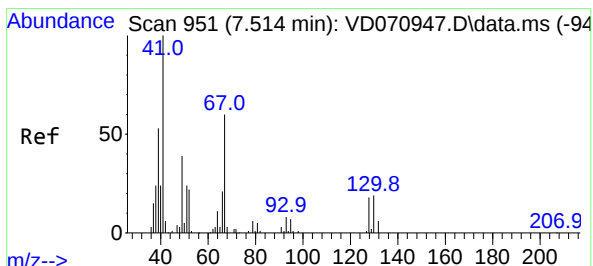
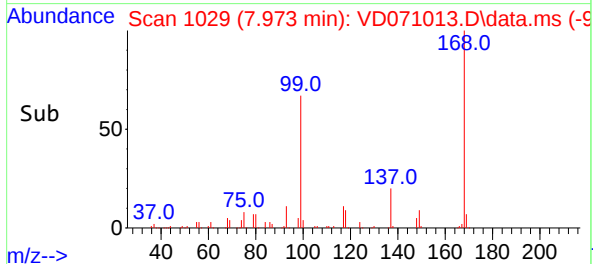
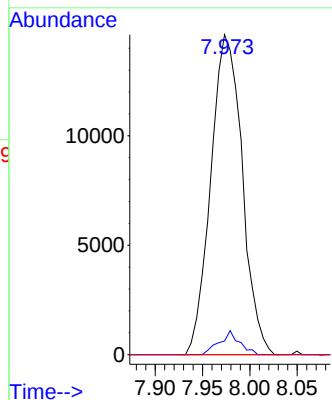


#38
Carbon Tetrachloride
Concen: 7.515 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

Instrument :
MSVOA_D
ClientSampleId :

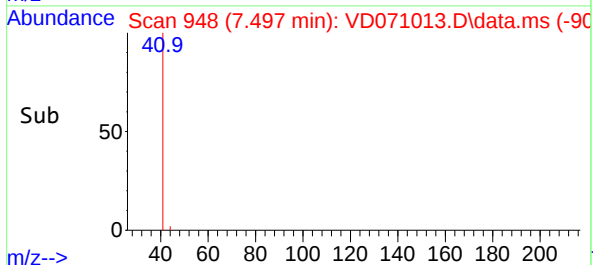
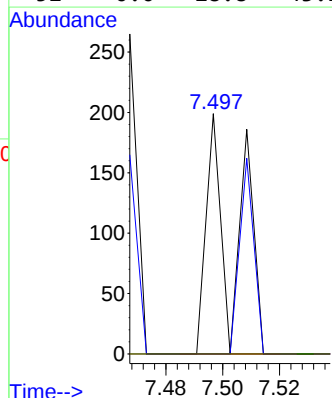
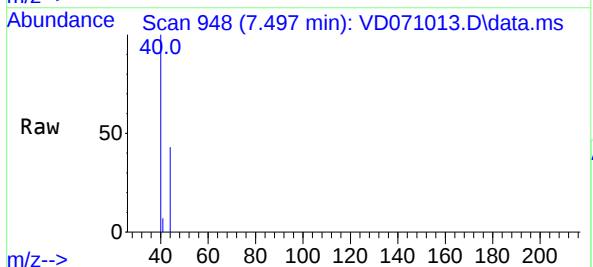


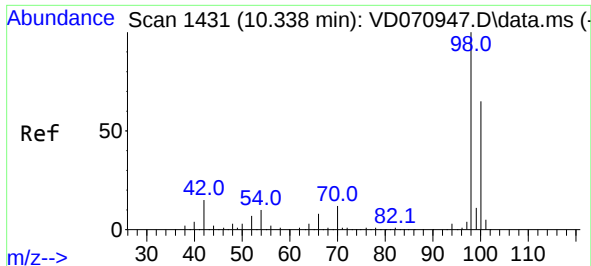
Tgt Ion:117 Resp: 33785
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 3.583 ug/l
RT: 7.497 min Scan# 948
Delta R.T. -0.017 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

Tgt Ion: 41 Resp: 136
Ion Ratio Lower Upper
41 100
39 41.9 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#

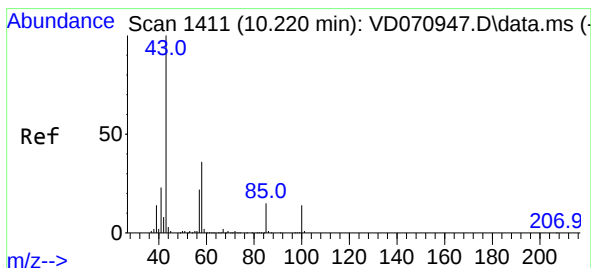
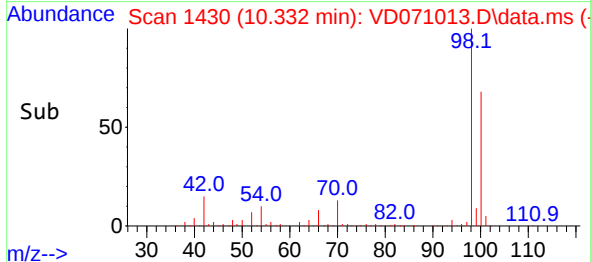
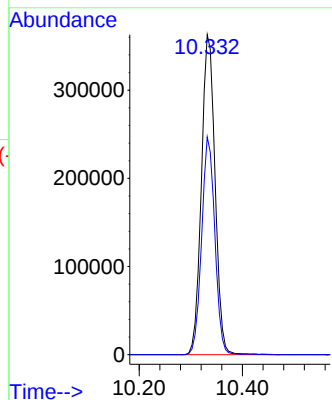
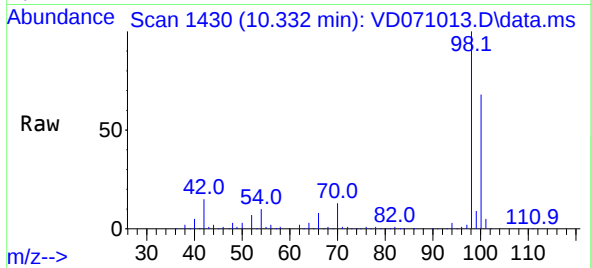




#50
Toluene-d8
Concen: 55.062 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

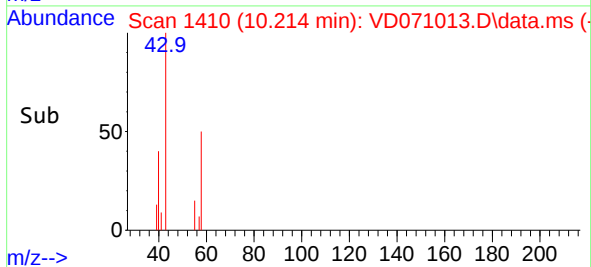
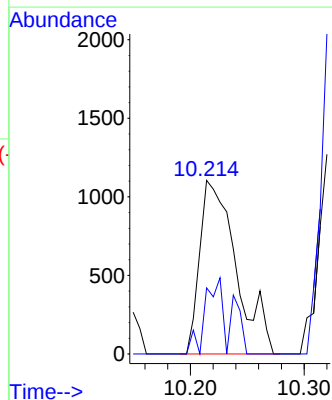
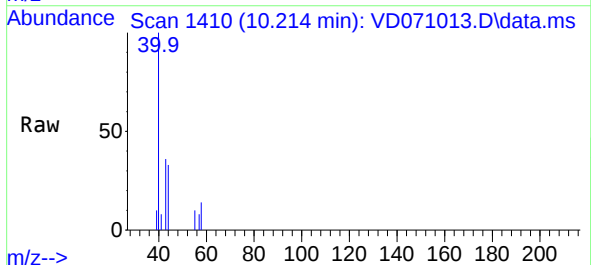
Instrument :
MSVOA_D
ClientSampleId :

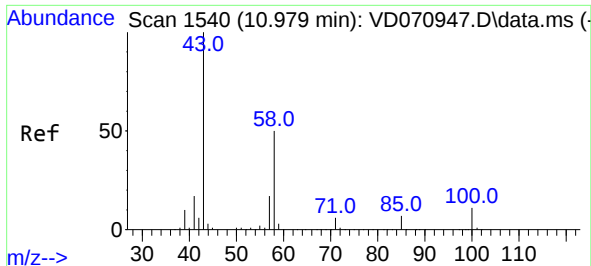
Tgt Ion: 98 Resp: 665342
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.072 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.006 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

Tgt Ion: 43 Resp: 2449
Ion Ratio Lower Upper
43 100
58 20.5 33.1 49.7#

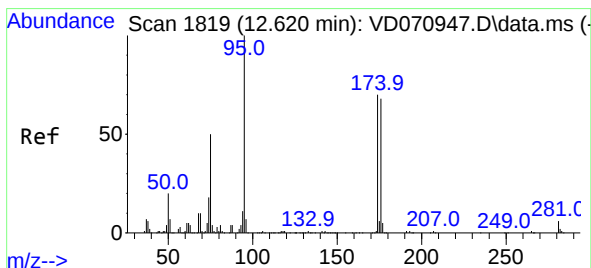
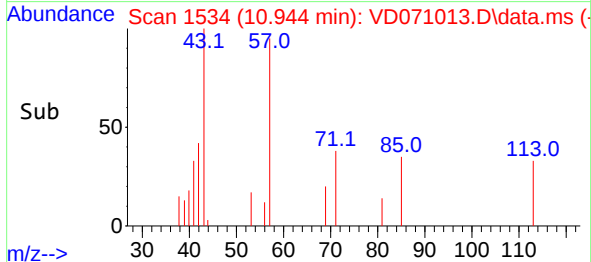
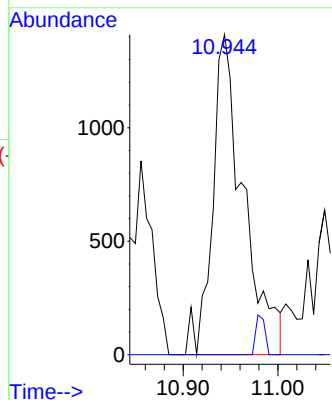
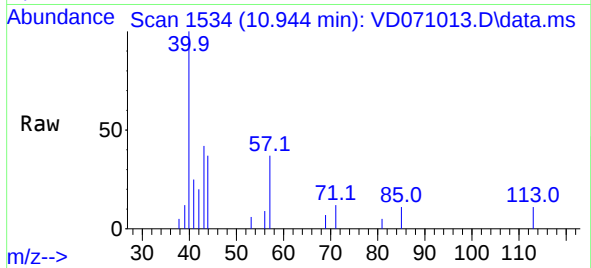




#59
2-Hexanone
Concen: 17.610 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

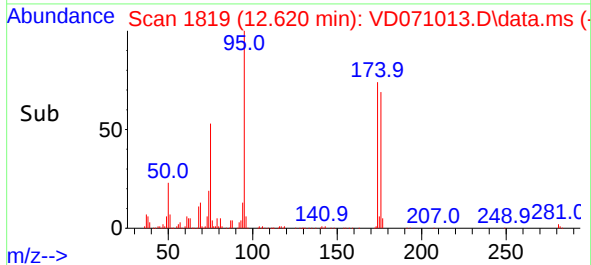
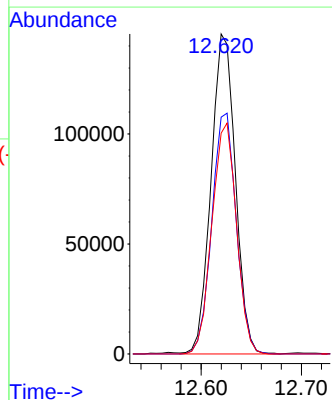
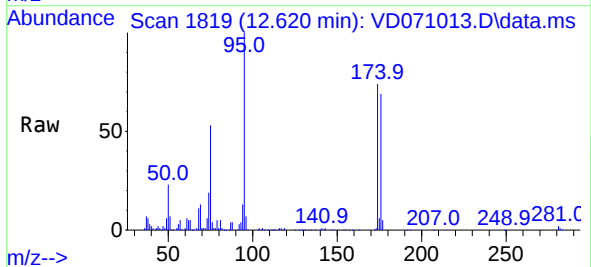
Instrument :
MSVOA_D
ClientSampleId :

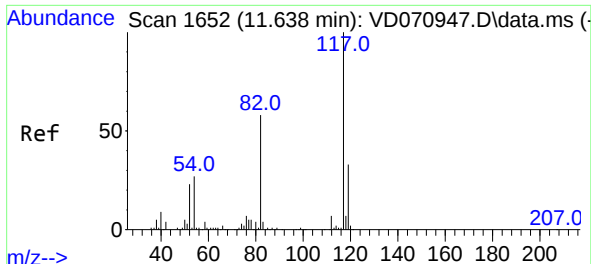
Tgt Ion: 43 Resp: 3198
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 56.297 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

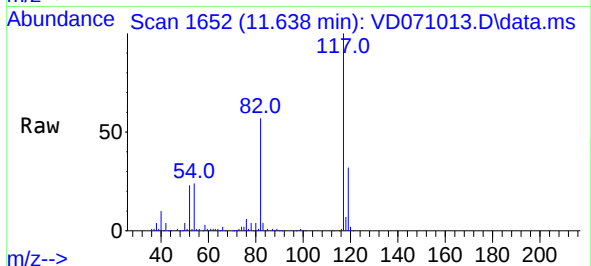
Tgt Ion: 95 Resp: 244936
Ion Ratio Lower Upper
95 100
174 75.7 0.0 159.4
176 73.0 0.0 154.0



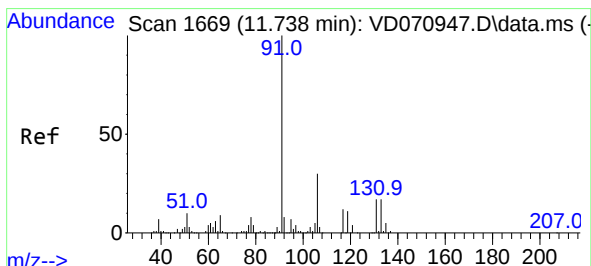
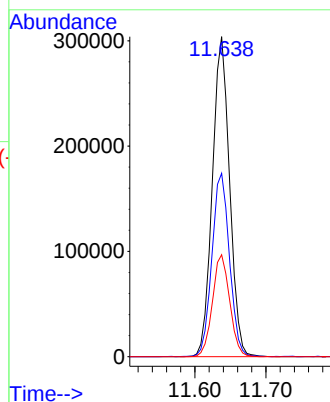
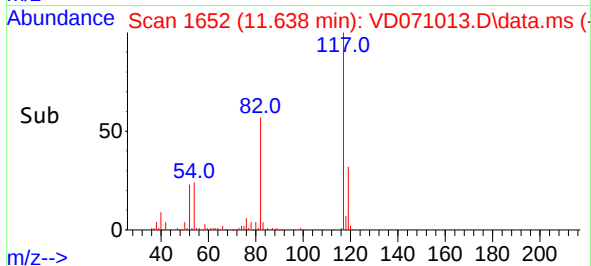


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

Instrument :
MSVOA_D
ClientSampleId :

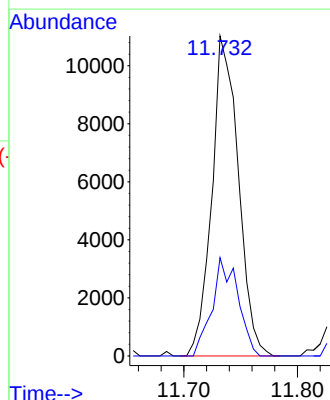
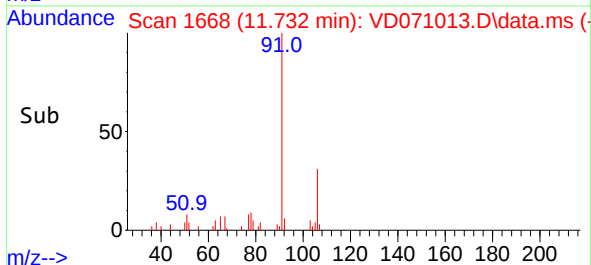
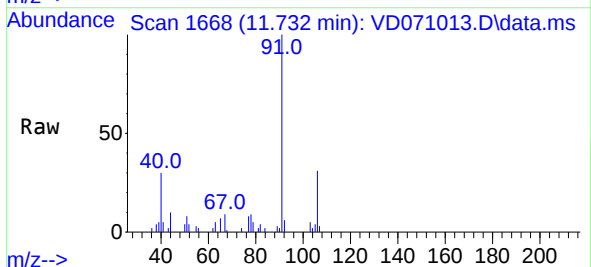


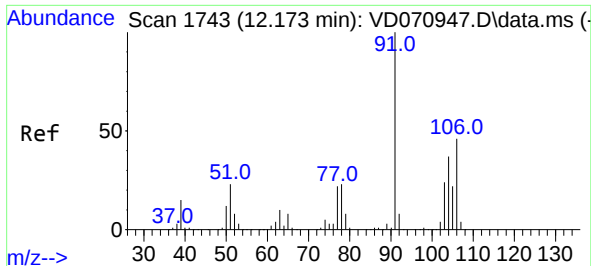
Tgt Ion:117 Resp: 511102
Ion Ratio Lower Upper
117 100
82 57.2 44.7 67.1
119 31.9 26.2 39.4



#67
Ethyl Benzene
Concen: 1.033 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

Tgt Ion: 91 Resp: 17844
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8

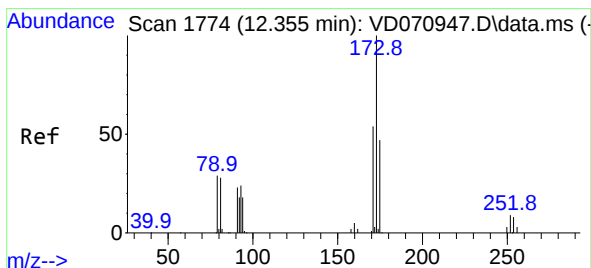
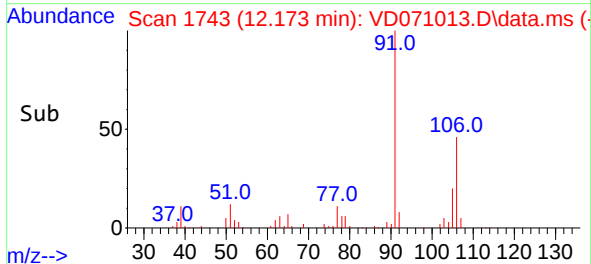
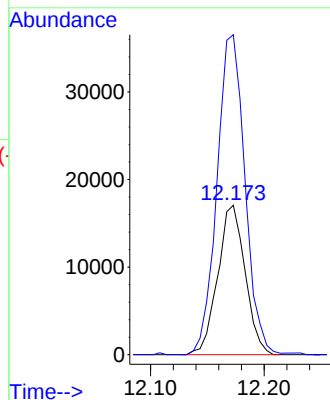
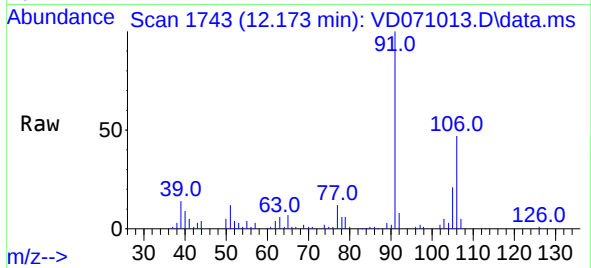




#69
o-Xylene
Concen: 4.650 ug/l
RT: 12.173 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

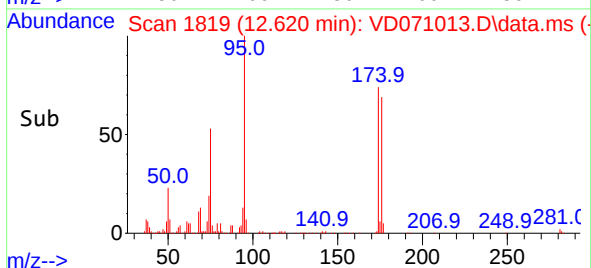
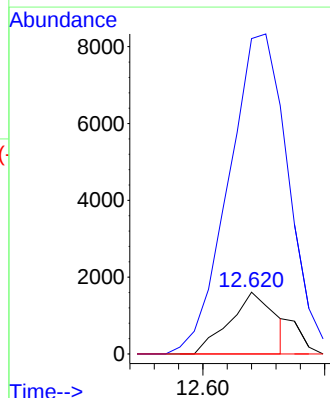
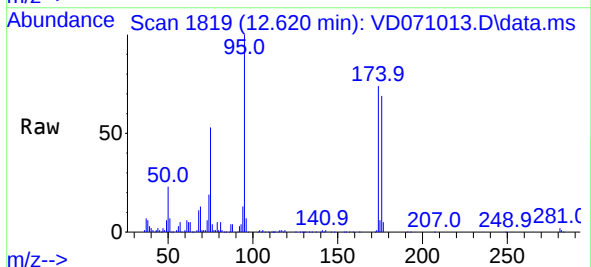
Instrument :
MSVOA_D
ClientSampleId :

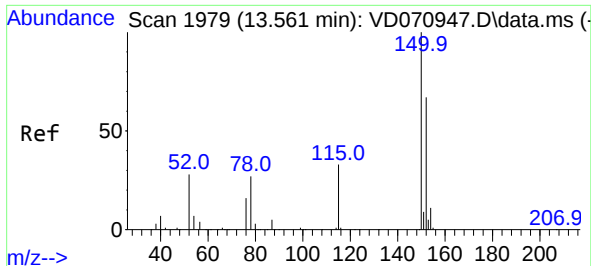
Tgt Ion:106 Resp: 28551
Ion Ratio Lower Upper
106 100
91 219.7 106.3 319.0



#71
Bromoform
Concen: 1.232 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

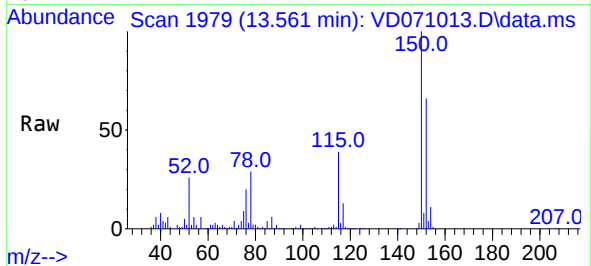
Tgt Ion:173 Resp: 2080
Ion Ratio Lower Upper
173 100
175 593.9 24.1 72.2#
254 0.0 0.1 0.1#



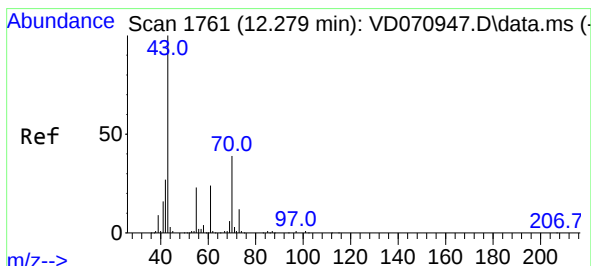
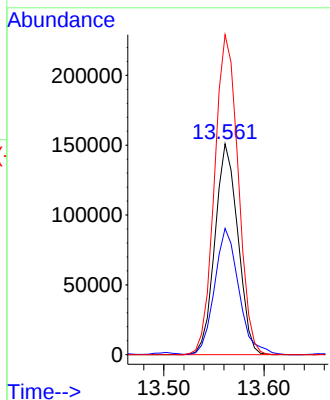
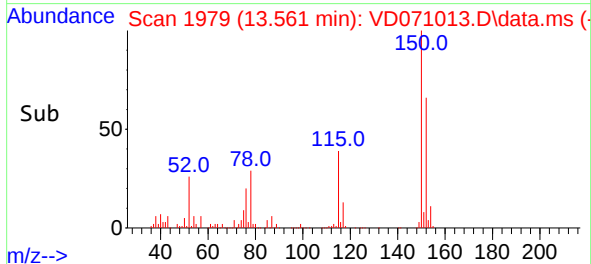


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

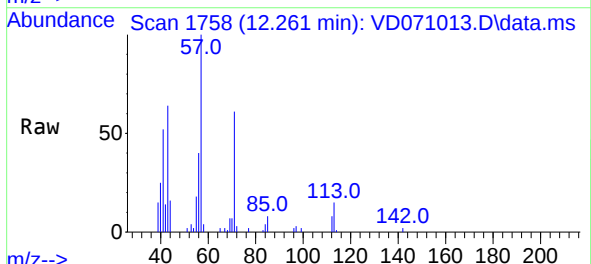
Instrument :
MSVOA_D
ClientSampleId :



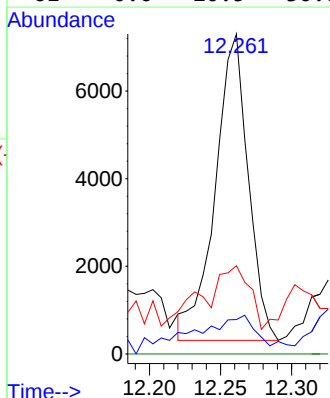
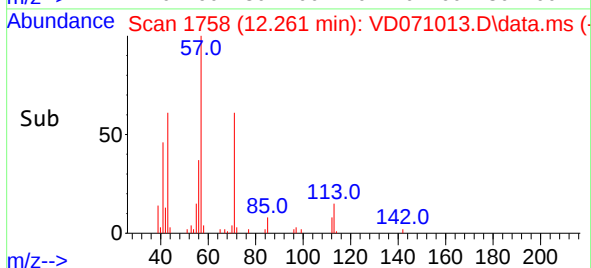
Tgt Ion:152 Resp: 239110
Ion Ratio Lower Upper
152 100
115 63.7 29.8 89.3
150 156.6 0.0 349.2



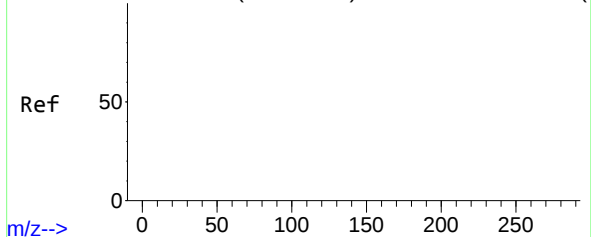
#74
N-ethyl acetate
Concen: 2.290 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09



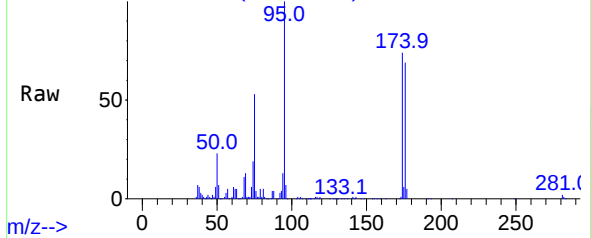
Tgt Ion: 43 Resp: 11269
Ion Ratio Lower Upper
43 100
70 26.7 36.6 55.0#
55 14.7 22.5 33.7#
61 0.0 20.5 30.7#



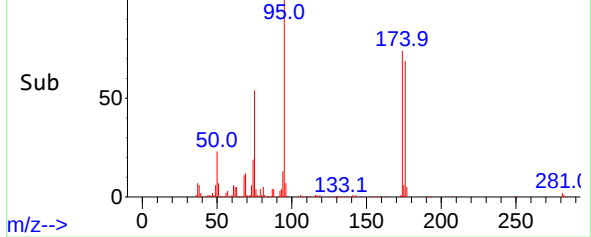
Abundance Scan 1847 (12.785 min): VD070947.D\data.ms (-



Ref 50



Raw 50



Sub 50

#76

1,2,3-Trichloropropane

Concen: 65.230 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.165 min

Lab File: VD071013.D

Acq: 12 Nov 2021 05:09

Instrument :

MSVOA_D

ClientSampleId :

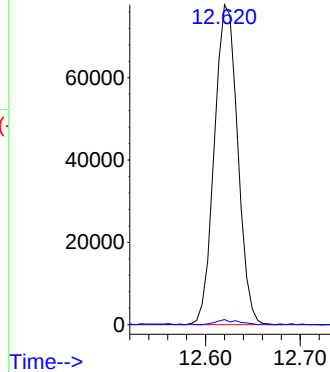
Tgt Ion: 75 Resp: 133231

Ion Ratio Lower Upper

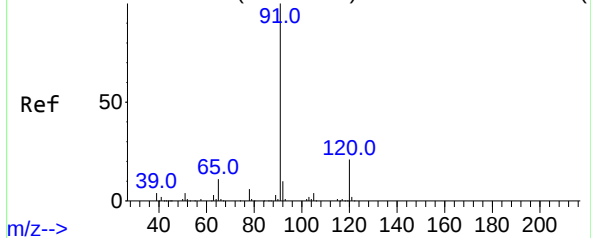
75 100

77 1.5 158.4 475.3#

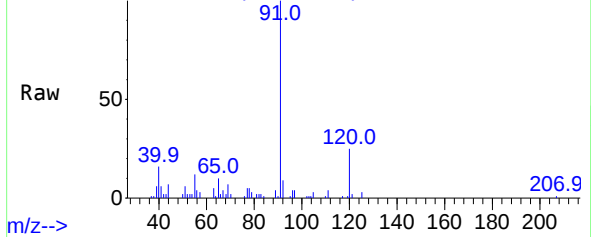
Abundance



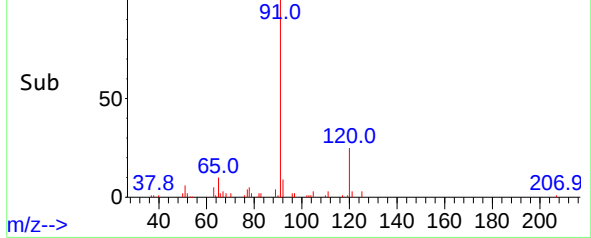
Abundance Scan 1851 (12.808 min): VD070947.D\data.ms (-



Ref 50



Raw 50



Sub 50

#78

n-propylbenzene

Concen: 1.275 ug/l

RT: 12.808 min Scan# 1851

Delta R.T. 0.000 min

Lab File: VD071013.D

Acq: 12 Nov 2021 05:09

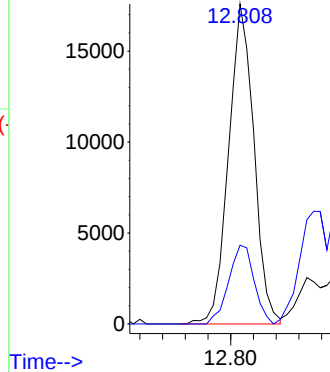
Tgt Ion: 91 Resp: 27224

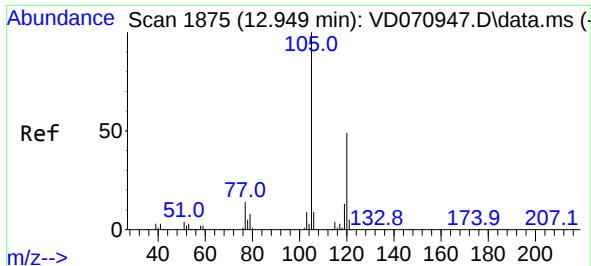
Ion Ratio Lower Upper

91 100

120 24.7 10.9 32.9

Abundance

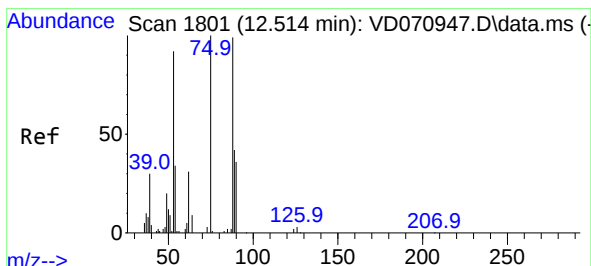
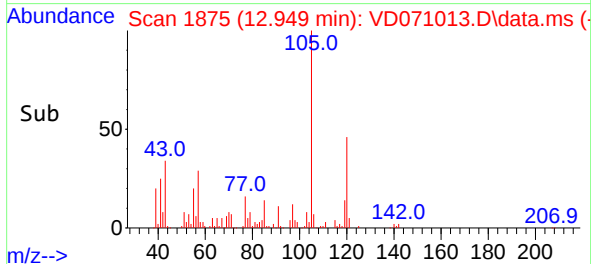
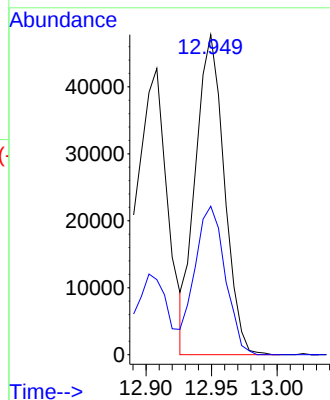
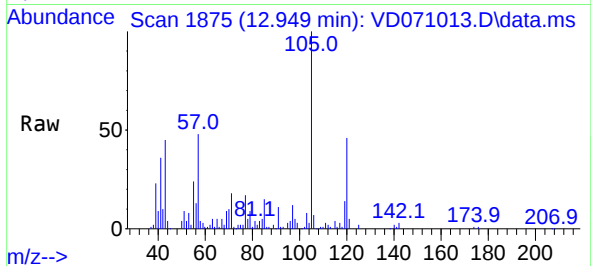




#80
 1,3,5-Trimethylbenzene
 Concen: 5.145 ug/l
 RT: 12.949 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VD071013.D
 Acq: 12 Nov 2021 05:09

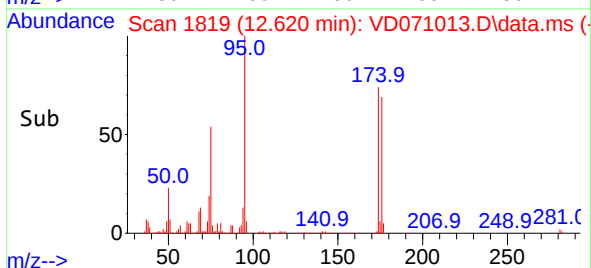
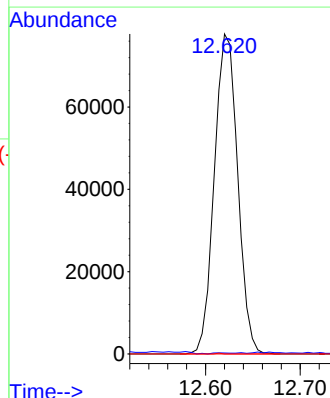
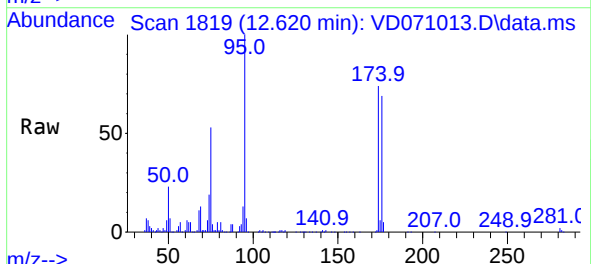
Instrument :
 MSVOA_D
 ClientSampleId :

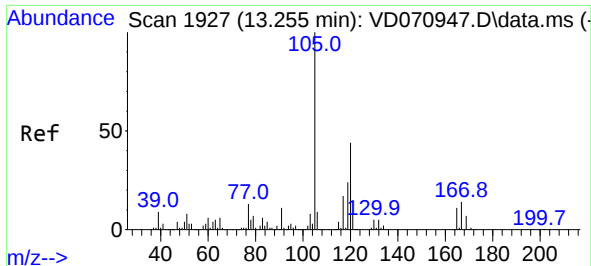
Tgt Ion:105 Resp: 72976
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.6 73.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.577 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD071013.D
 Acq: 12 Nov 2021 05:09

Tgt Ion: 75 Resp: 133231
 Ion Ratio Lower Upper
 75 100
 53 0.2 62.6 94.0#
 89 0.0 34.5 51.7#

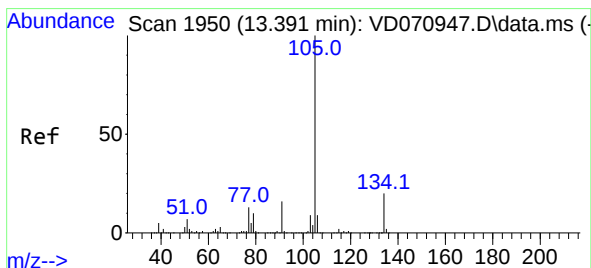
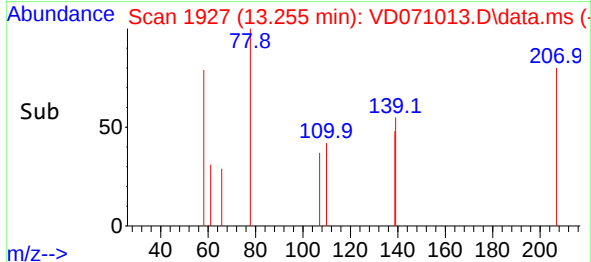
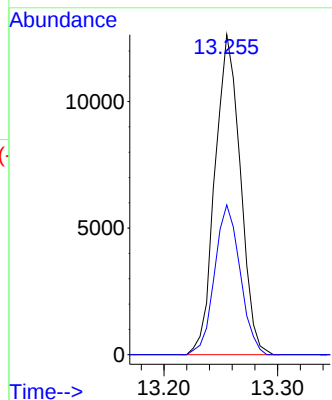
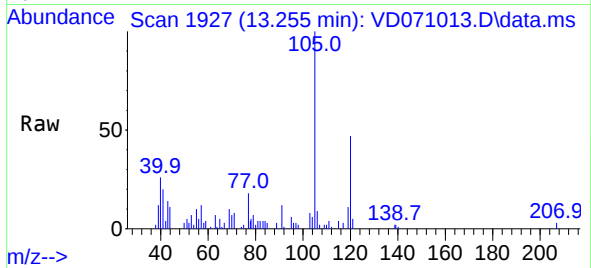




#84
1,2,4-Trimethylbenzene
Concen: 1.415 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

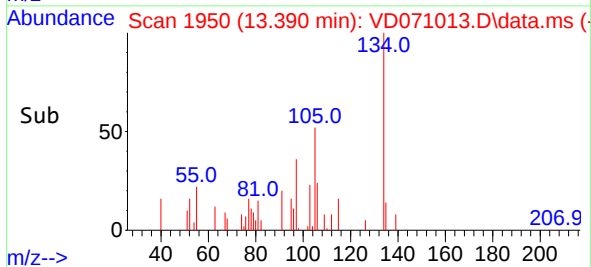
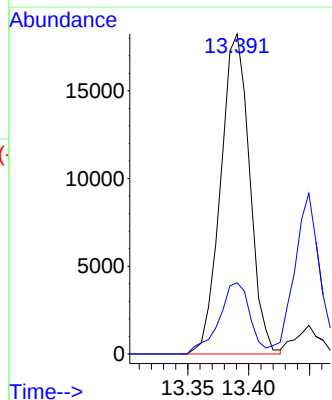
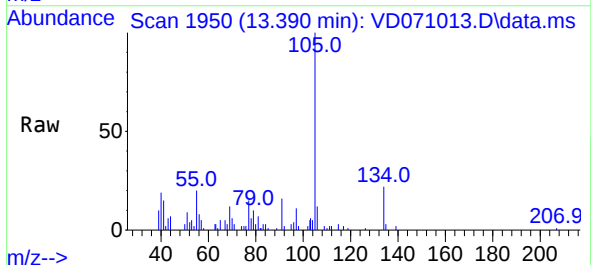
Instrument :
MSVOA_D
ClientSampleId :

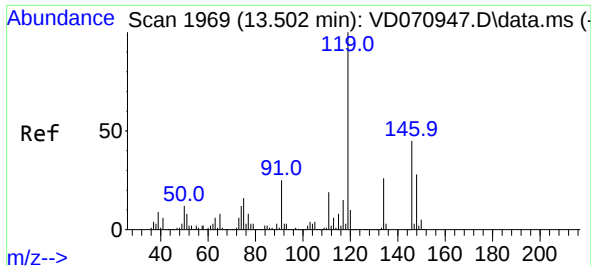
Tgt Ion:105 Resp: 19656
Ion Ratio Lower Upper
105 100
120 47.1 22.9 68.7



#85
sec-Butylbenzene
Concen: 1.645 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. -0.001 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

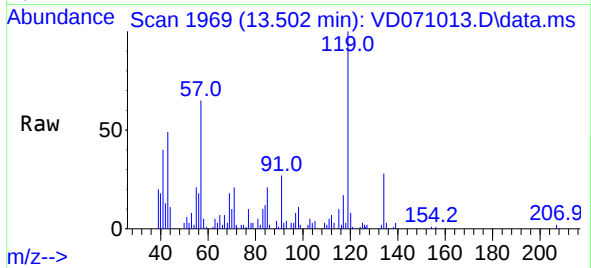
Tgt Ion:105 Resp: 30208
Ion Ratio Lower Upper
105 100
134 23.7 9.7 28.9



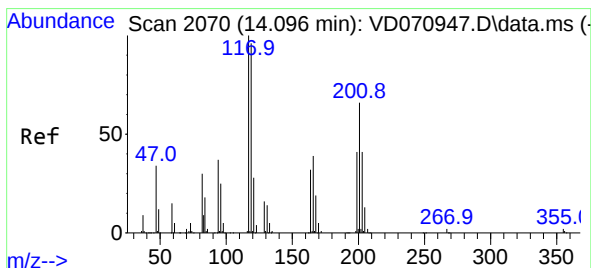
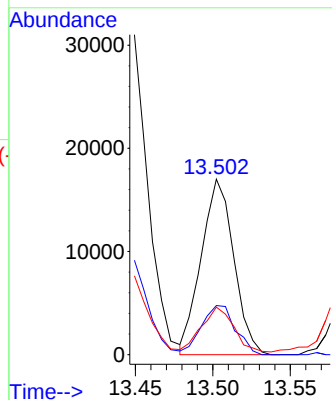
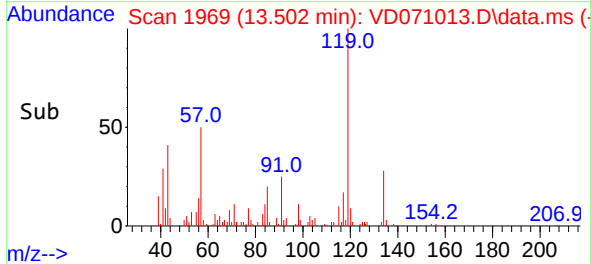


#86
p-Isopropyltoluene
Concen: 1.687 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

Instrument :
MSVOA_D
ClientSampleId :

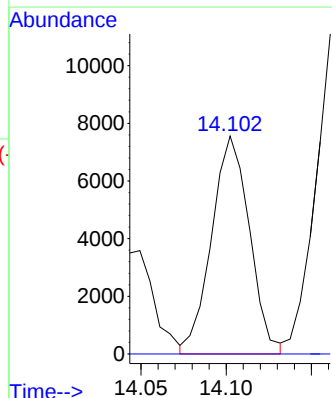
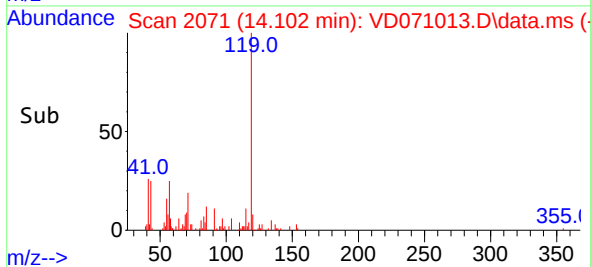
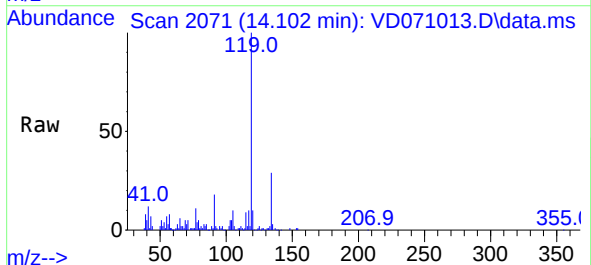


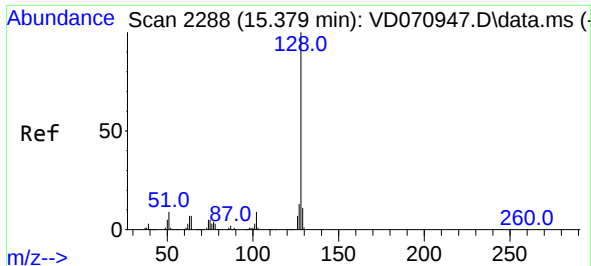
Tgt Ion:119 Resp: 24876
Ion Ratio Lower Upper
119 100
134 29.2 13.0 38.9
91 24.9 11.4 34.2



#90
Hexachloroethane
Concen: 4.004 ug/l
RT: 14.102 min Scan# 2071
Delta R.T. 0.006 min
Lab File: VD071013.D
Acq: 12 Nov 2021 05:09

Tgt Ion:117 Resp: 11686
Ion Ratio Lower Upper
117 100
201 0.0 36.0 108.1#





#95

Naphthalene

Concen: 1.246 ug/l

RT: 15.379 min Scan# 21

Delta R.T. -0.000 min

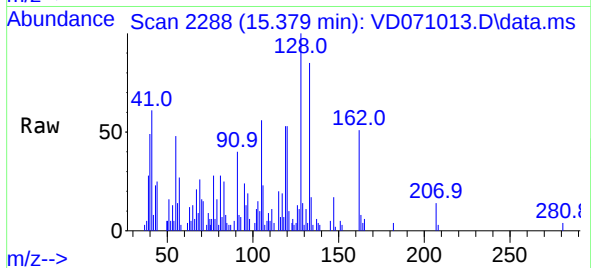
Lab File: VD071013.D

Acq: 12 Nov 2021 05:09

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:128 Resp: 9489

Ion Ratio Lower Upper

128 100

127 15.2 10.7 16.1

129 9.7 8.7 13.1

