

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011123\
 Data File : VD075122.D
 Acq On : 11 Jan 2023 17:16
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.02ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 12 04:28:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 10 03:36:33 2023
 Response via : Initial Calibration

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

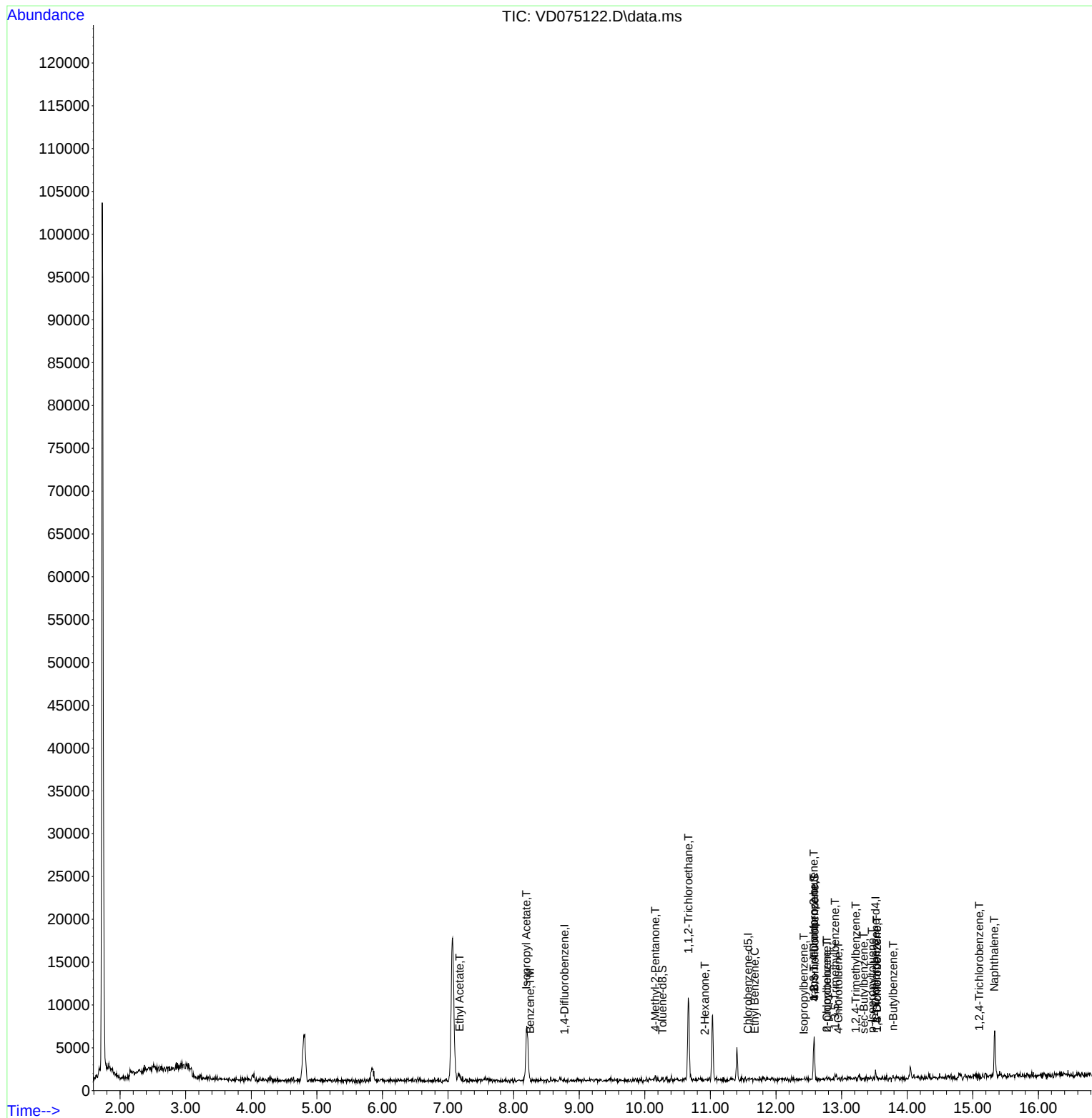
Internal Standards						
1) Pentafluorobenzene	0.000	168	0	0.000	ug/l	-7.88
34) 1,4-Difluorobenzene	8.775	114	67	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	66	50.000	ug/l	#-0.01
72) 1,4-Dichlorobenzene-d4	13.516	152	190	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	10.269	98	199	119.087	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	238.180%#
62) 4-Bromofluorobenzene	12.587	95	275	512.707	ug/l	0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	=	1025.420%#
Target Compounds						
						Qvalue
37) Ethyl Acetate	7.175	43	957	4094.425	ug/l #	68
40) Benzene	8.252	78	62	39.853	ug/l #	50
43) Isopropyl Acetate	8.193	43	197	392.604	ug/l #	52
51) 4-Methyl-2-Pentanone	10.157	43	486	1918.069	ug/l #	54
55) 1,1,2-Trichloroethane	10.663	97	278	890.922	ug/l #	16
59) 2-Hexanone	10.916	43	113	637.560	ug/l #	25
67) Ethyl Benzene	11.675	91	119	53.796	ug/l #	42
73) Isopropylbenzene	12.422	105	61	4.294	ug/l #	48
76) 1,2,3-Trichloropropane	12.575	75	194	107.009	ug/l #	1
78) n-propylbenzene	12.775	91	333	19.545	ug/l #	52
79) 2-Chlorotoluene	12.775	91	333	35.563	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.898	105	55	4.772	ug/l #	28
81) trans-1,4-Dichloro-2-b...	12.575	75	194	284.188	ug/l #	15
82) 4-Chlorotoluene	12.951	91	67	6.985	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.216	105	126	11.313	ug/l #	31
85) sec-Butylbenzene	13.340	105	73	4.737	ug/l #	56
86) p-Isopropyltoluene	13.463	119	56	4.498	ug/l #	50
87) 1,3-Dichlorobenzene	13.540	146	63	10.174	ug/l #	25
88) 1,4-Dichlorobenzene	13.540	146	63	10.062	ug/l #	26
89) n-Butylbenzene	13.787	91	198	16.172	ug/l #	33
93) 1,2,4-Trichlorobenzene	15.098	180	62	17.301	ug/l #	13
95) Naphthalene	15.328	128	4807	683.114	ug/l	99

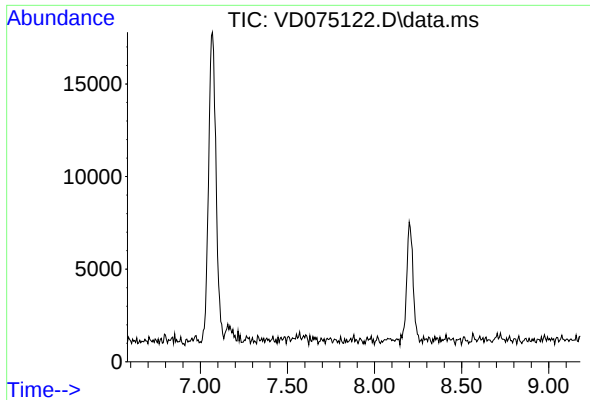
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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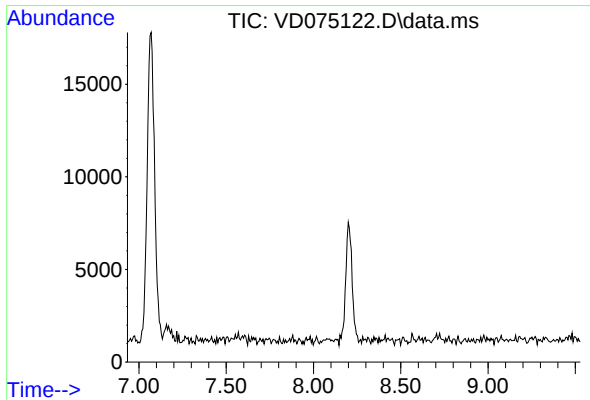
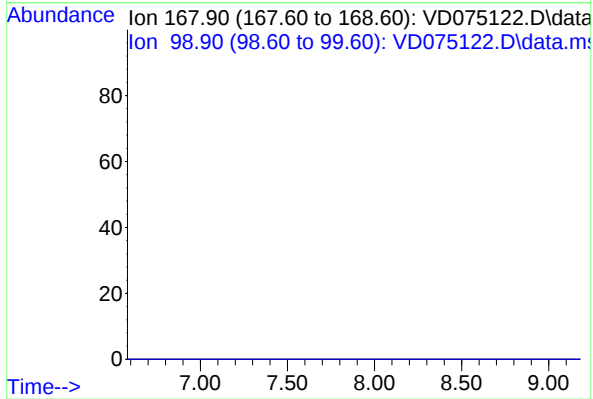


#1
Pentafluorobenzene
Concen: 0.000 ug/l
Expected RT: 7.88 min

Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

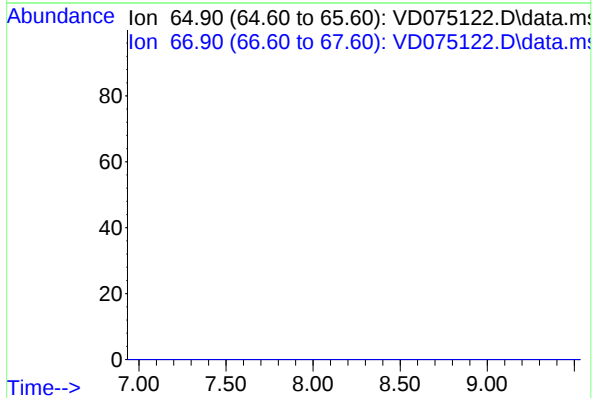
Tgt Ion: 168
Sig Exp Ratio
168 100
99 54.0

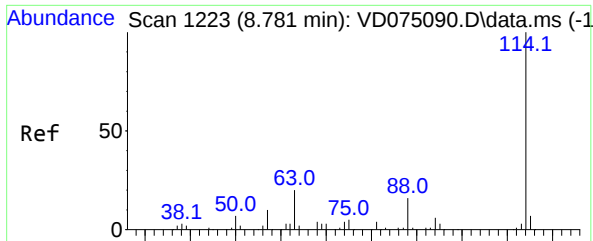


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.23 min

Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

Tgt Ion: 65
Sig Exp Ratio
65 100
67 54.5



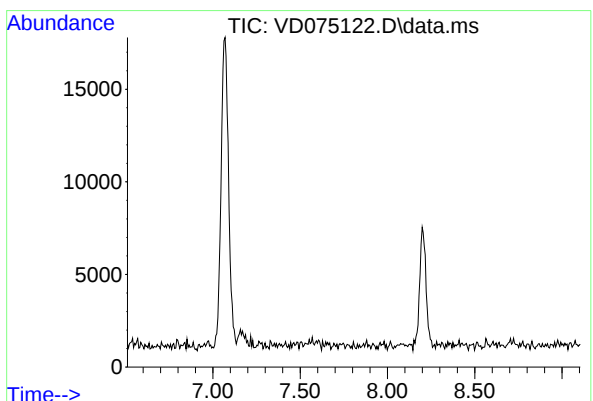
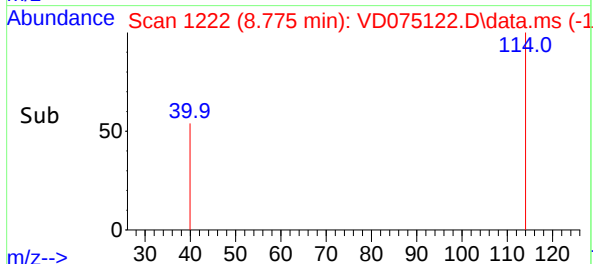
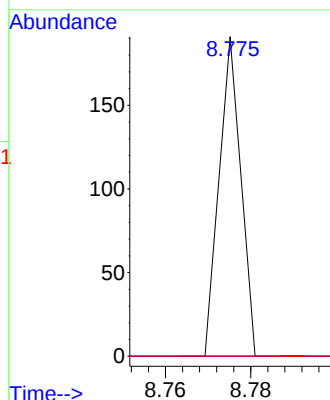
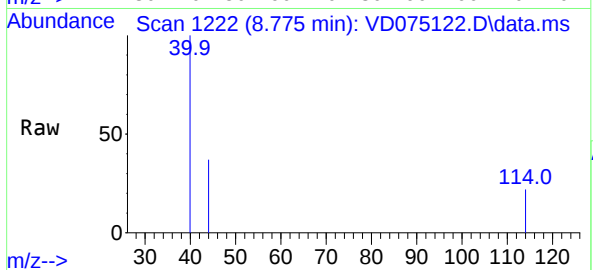


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:114 Resp: 67

Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	40.0
88	0.0	0.0	31.2

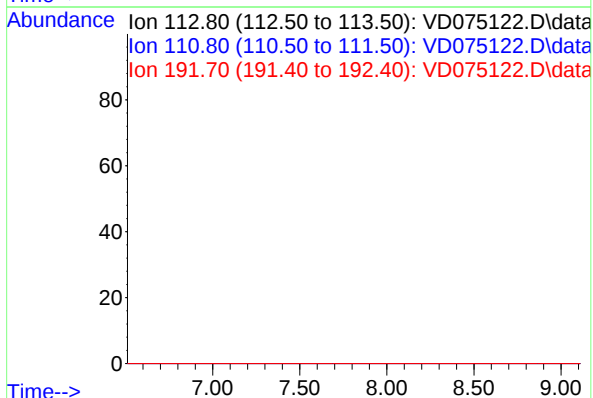


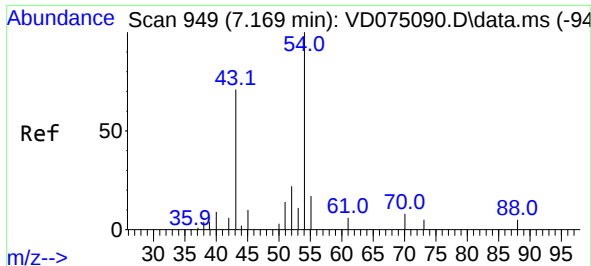
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 7.81 min

Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	104.0
192	18.8

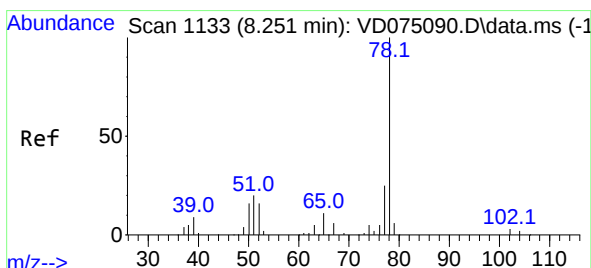
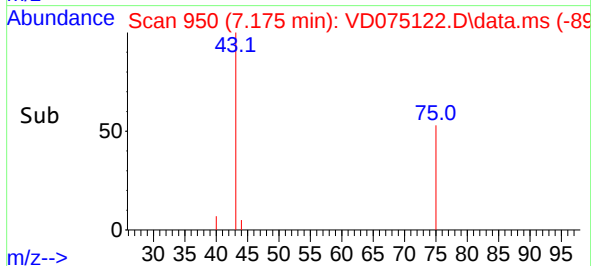
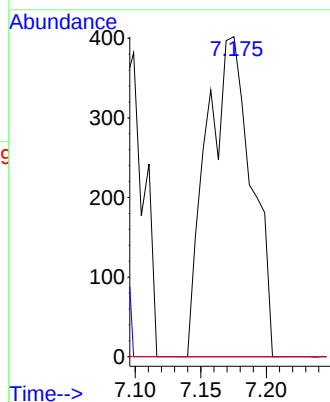
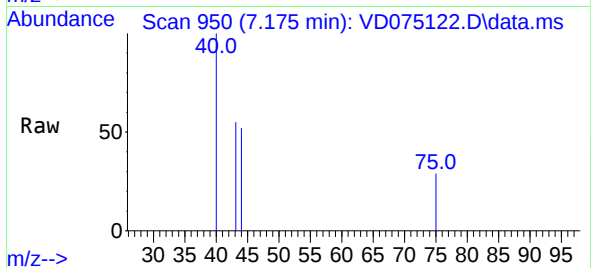




#37
Ethyl Acetate
Concen: 4094.425 ug/l
RT: 7.175 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

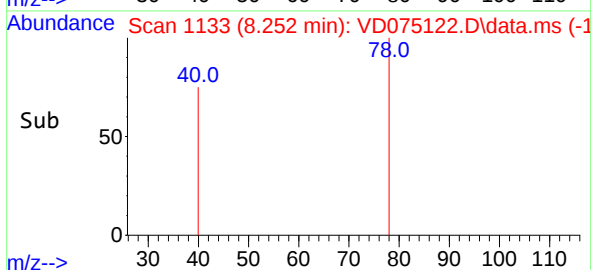
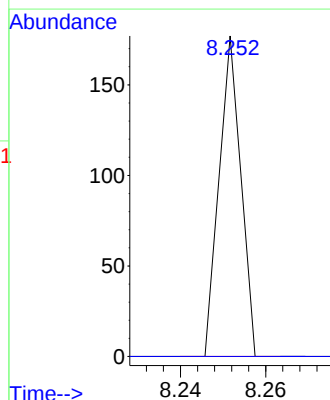
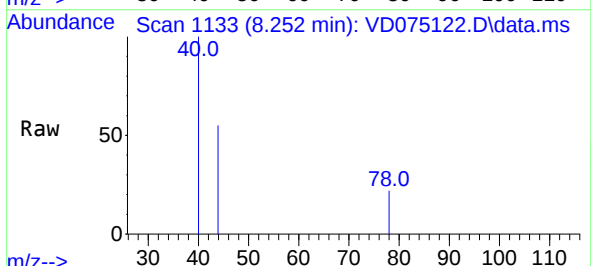
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MSVOA_D
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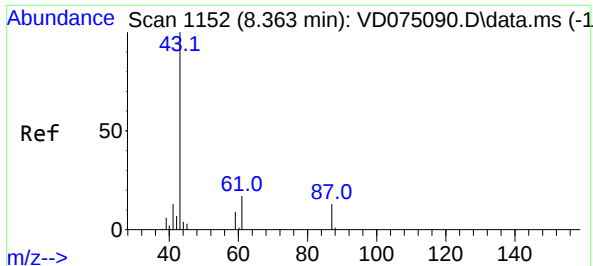
Tgt Ion: 43	Resp: 957
Ion Ratio	Lower Upper
43	100
61	0.0 11.4 17.2#
70	0.0 8.4 12.6#



#40
Benzene
Concen: 39.853 ug/l
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

Tgt Ion: 78	Resp: 62
Ion Ratio	Lower Upper
78	100
77	0.0 20.4 30.6#

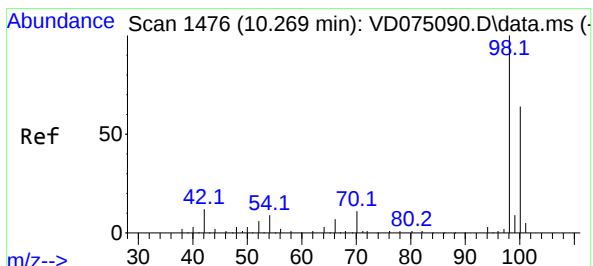
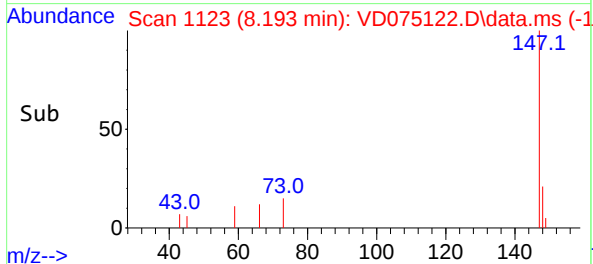
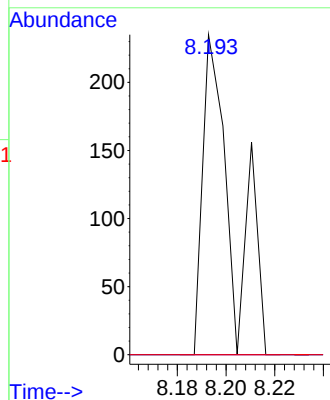
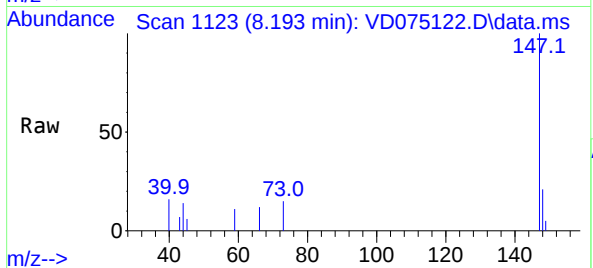




#43
Isopropyl Acetate
Concen: 392.604 ug/l
RT: 8.193 min Scan# 1152
Delta R.T. -0.170 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

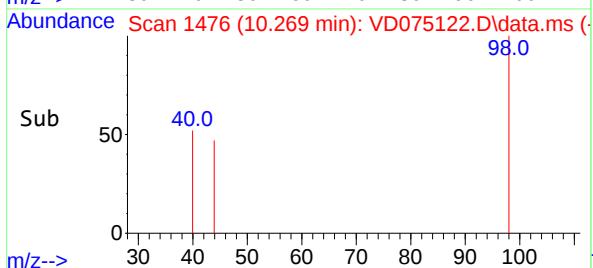
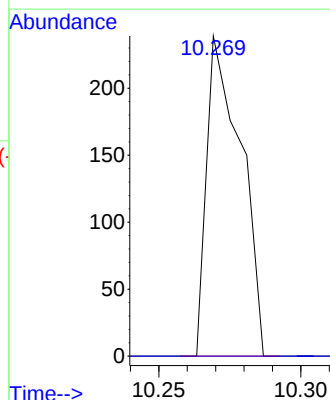
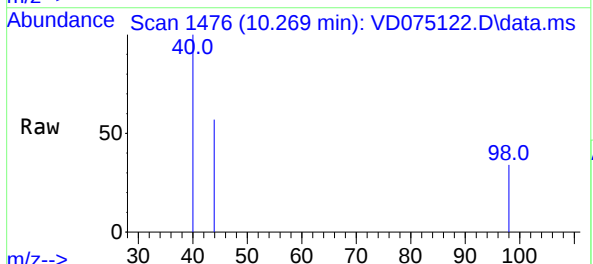
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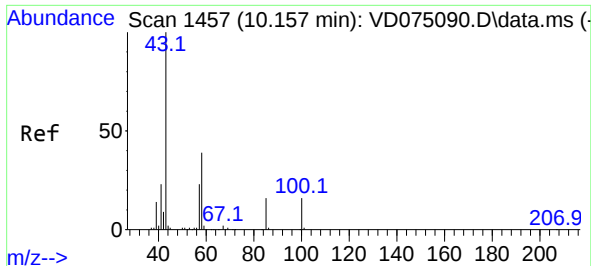
Tgt Ion: 43 Resp: 197
Ion Ratio Lower Upper
43 100
61 0.0 23.2 34.8#
87 0.0 10.6 16.0#



#50
Toluene-d8
Concen: 119.087 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

Tgt Ion: 98 Resp: 199
Ion Ratio Lower Upper
98 100
100 0.0 52.4 78.6#

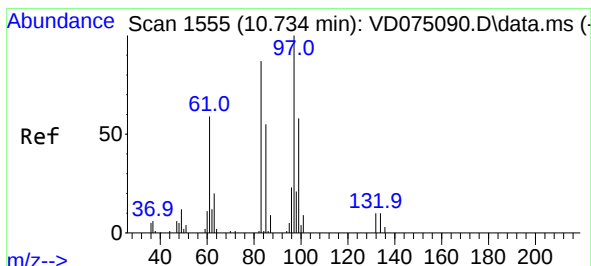
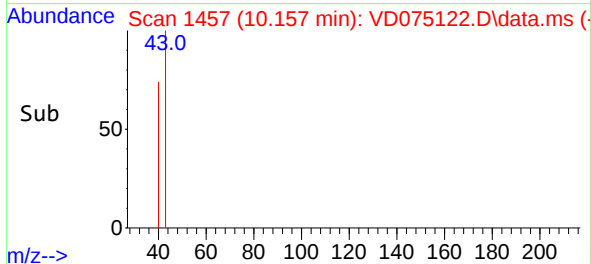
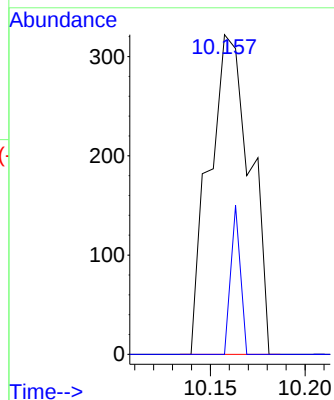
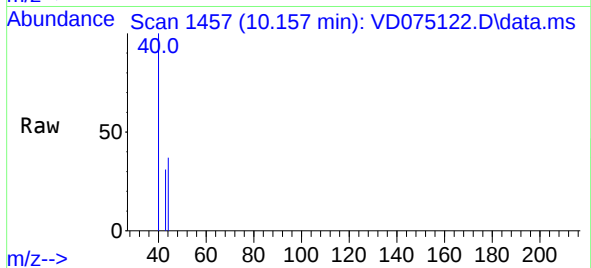




#51
4-Methyl-2-Pentanone
Concen: 1918.069 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

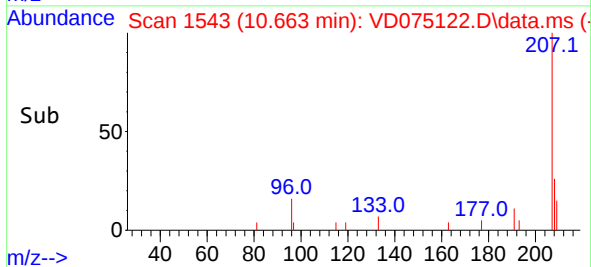
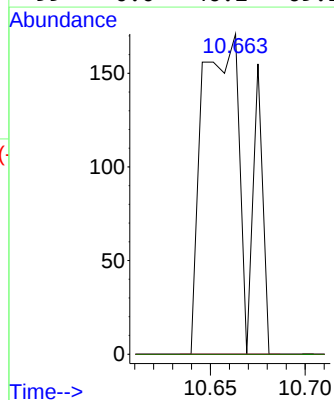
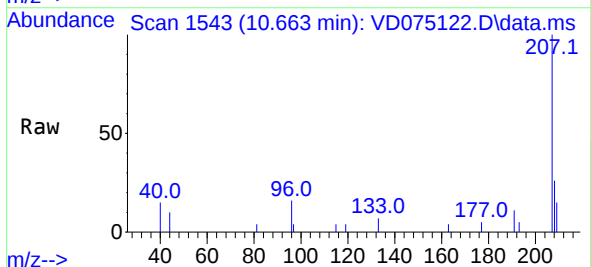
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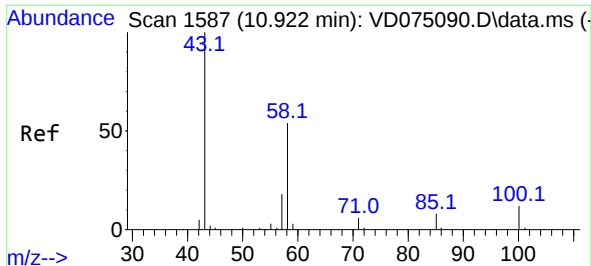
Tgt Ion: 43 Resp: 486
Ion Ratio Lower Upper
43 100
58 10.9 31.0 46.4#



#55
1,1,2-Trichloroethane
Concen: 890.922 ug/l
RT: 10.663 min Scan# 1543
Delta R.T. -0.070 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

Tgt Ion: 97 Resp: 278
Ion Ratio Lower Upper
97 100
83 0.0 69.4 104.2#
85 0.0 43.8 65.8#
99 0.0 46.2 69.2#

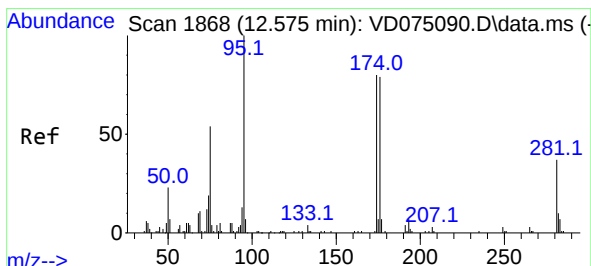
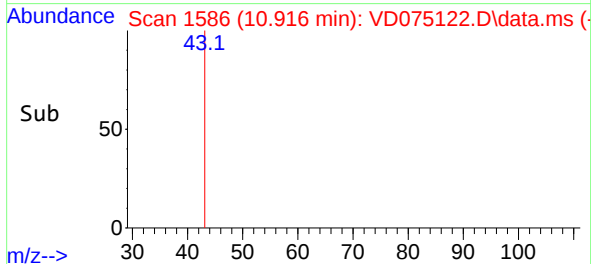
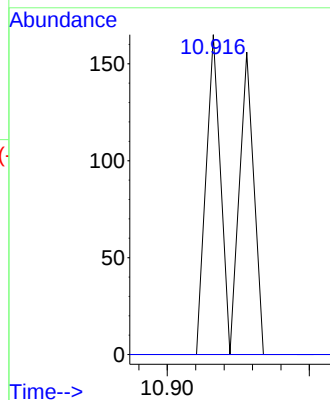
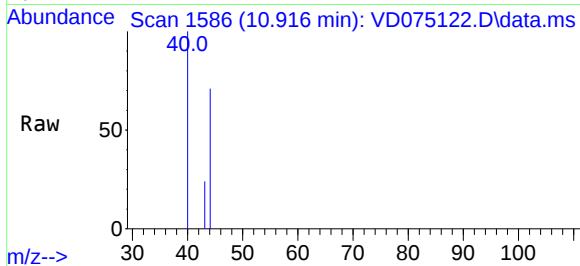




#59
2-Hexanone
Concen: 637.560 ug/l
RT: 10.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

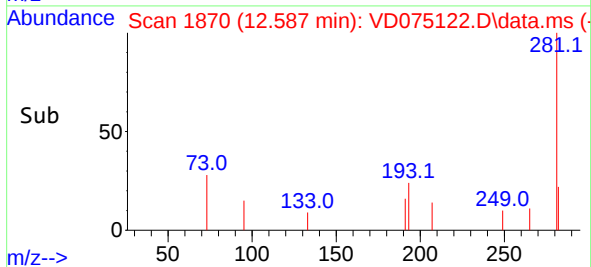
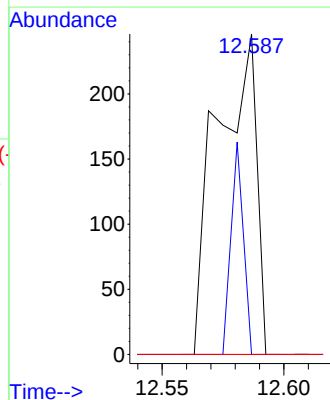
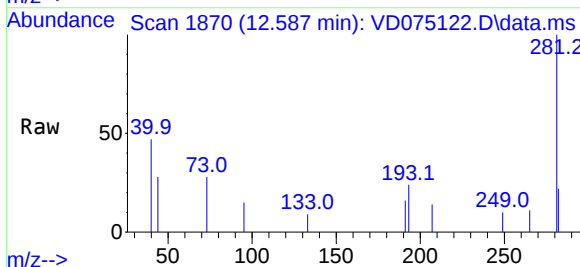
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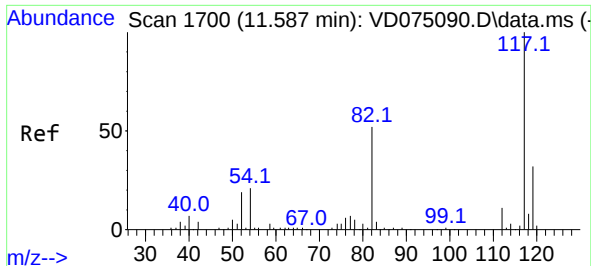
Tgt Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
58 0.0 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 512.707 ug/l
RT: 12.587 min Scan# 1870
Delta R.T. 0.012 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

Tgt Ion: 95 Resp: 275
Ion Ratio Lower Upper
95 100
174 20.7 0.0 168.4
176 0.0 0.0 163.8

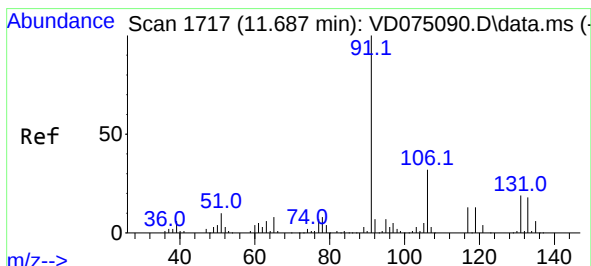
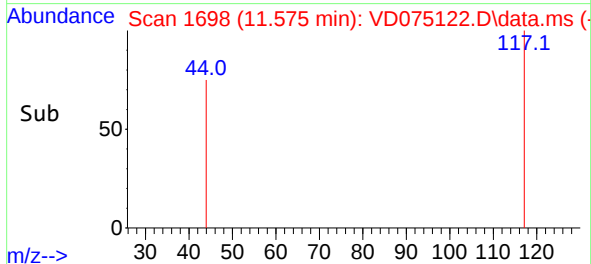
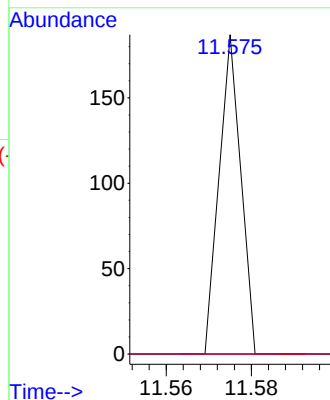
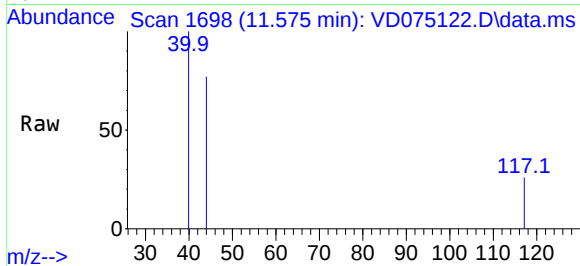




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

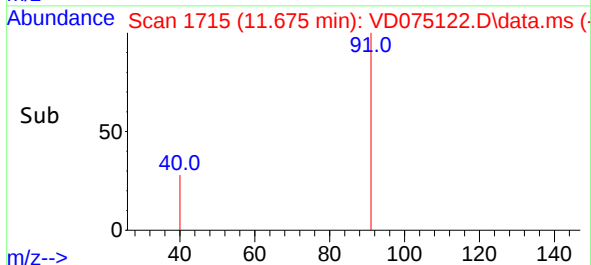
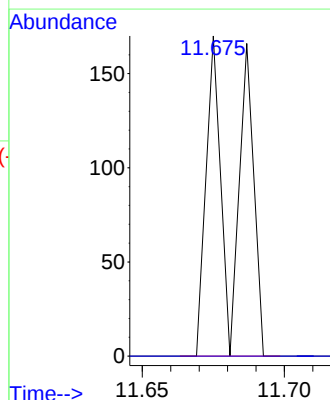
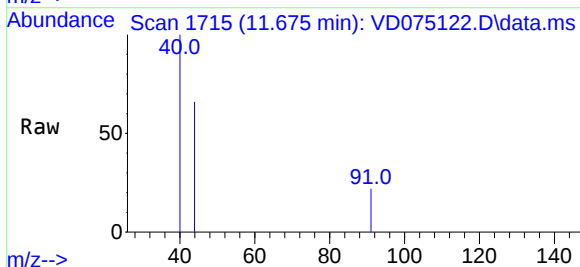
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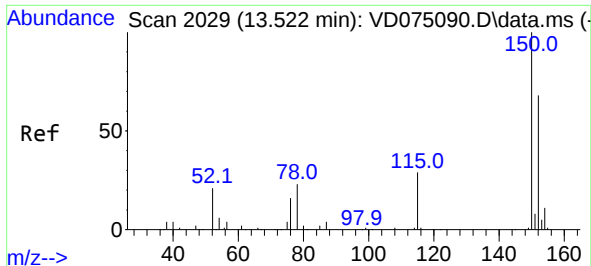
Tgt Ion:117 Resp: 66
Ion Ratio Lower Upper
117 100
82 0.0 41.3 61.9#
119 0.0 25.8 38.6#



#67
Ethyl Benzene
Concen: 53.796 ug/l
RT: 11.675 min Scan# 1715
Delta R.T. -0.012 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

Tgt Ion: 91 Resp: 119
Ion Ratio Lower Upper
91 100
106 0.0 25.8 38.6#

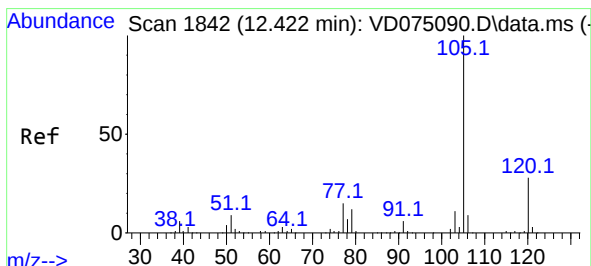
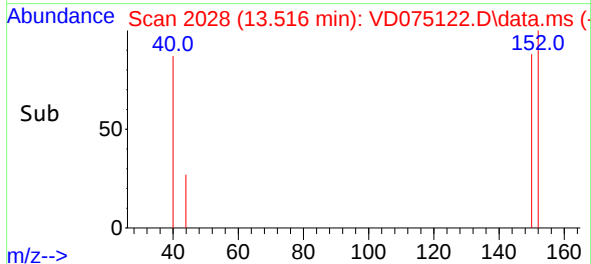
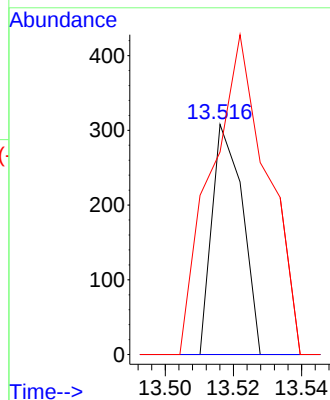
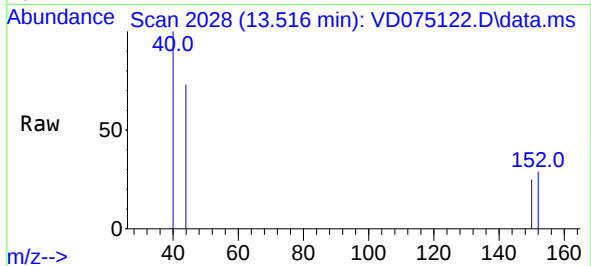




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

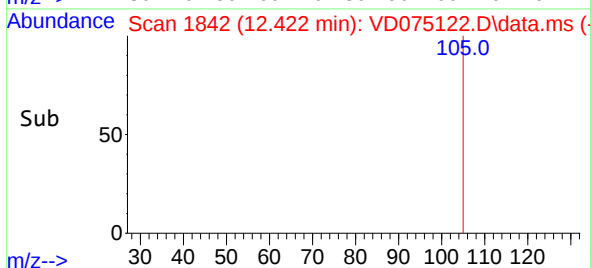
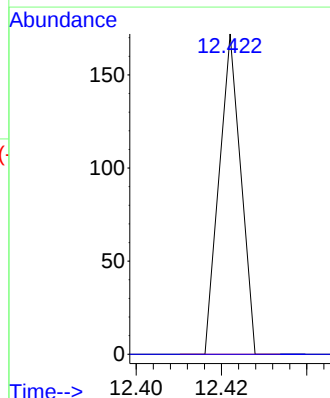
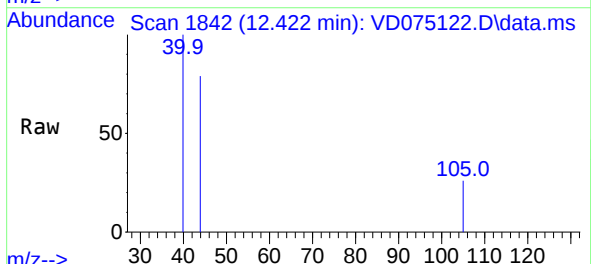
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

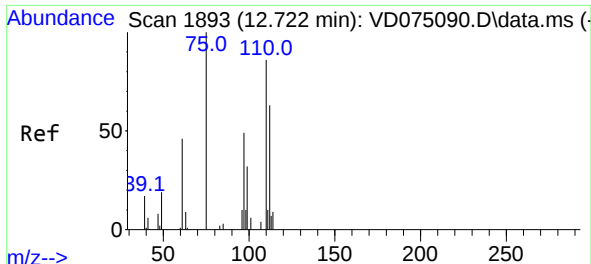
Tgt Ion:152 Resp: 190
Ion Ratio Lower Upper
152 100
115 0.0 28.7 86.1#
150 256.3 0.0 343.2



#73
Isopropylbenzene
Concen: 4.294 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

Tgt Ion:105 Resp: 61
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#

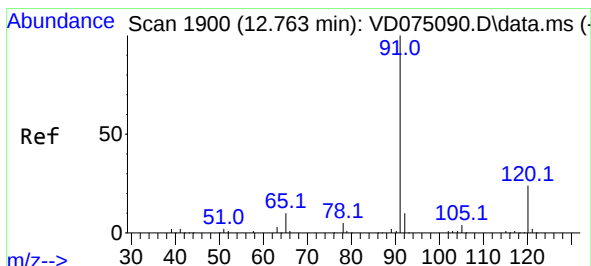
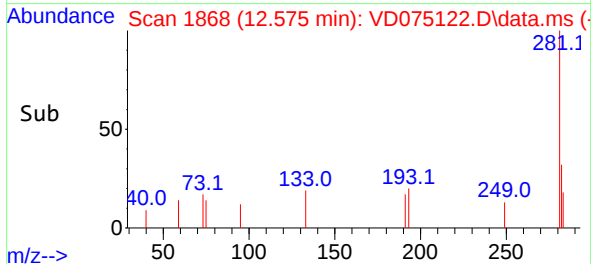
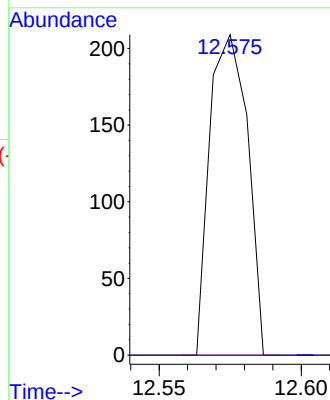
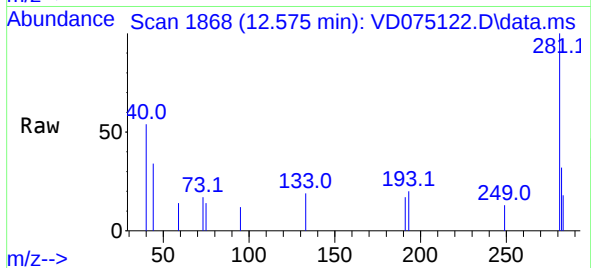




#76
1,2,3-Trichloropropane
Concen: 107.009 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.147 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

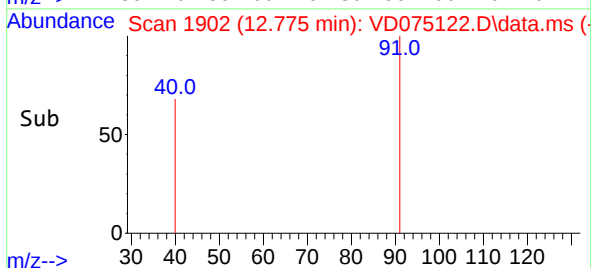
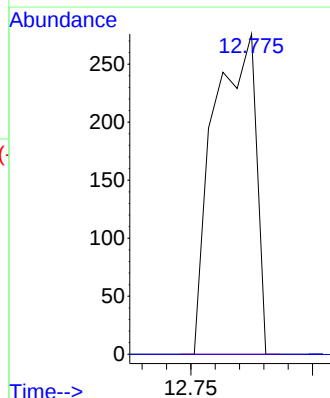
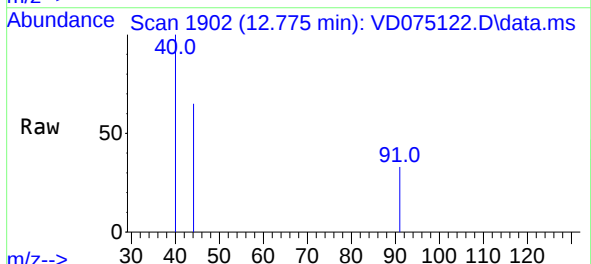
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

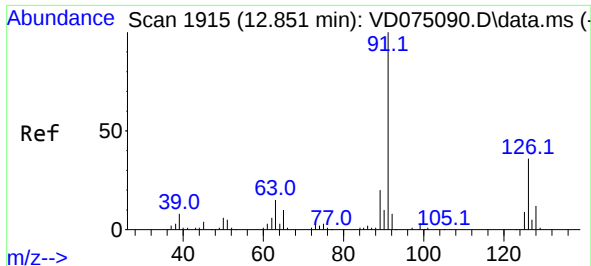
Tgt Ion: 75 Resp: 194
Ion Ratio Lower Upper
75 100
77 0.0 149.0 447.1#



#78
n-propylbenzene
Concen: 19.545 ug/l
RT: 12.775 min Scan# 1902
Delta R.T. 0.012 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

Tgt Ion: 91 Resp: 333
Ion Ratio Lower Upper
91 100
120 0.0 11.7 35.0#





#79

2-Chlorotoluene

Concen: 35.563 ug/l

RT: 12.775 min Scan# 1915

Delta R.T. -0.076 min

Lab File: VD075122.D

Acq: 11 Jan 2023 17:16

Instrument :

MSVOA_D

ClientSampleId :

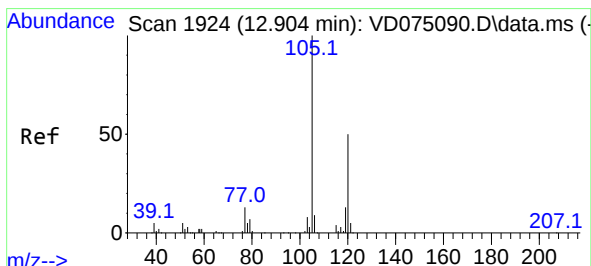
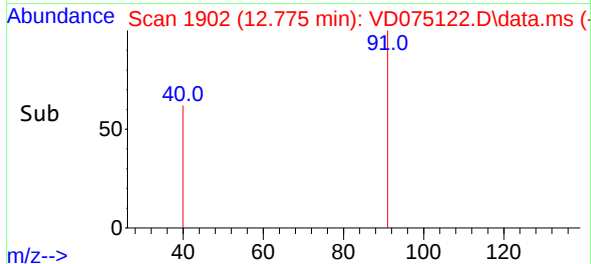
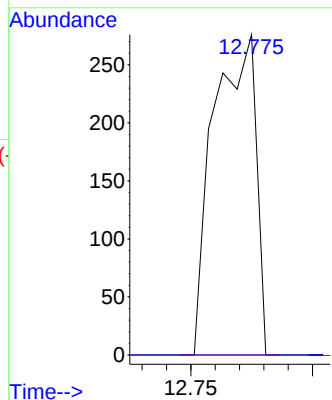
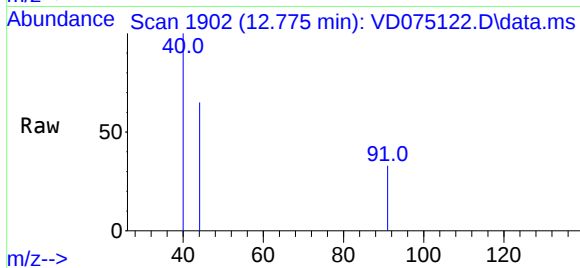
VSTDCCC050EC

Tgt Ion: 91 Resp: 333

Ion Ratio Lower Upper

91 100

126 0.0 17.7 53.1#



#80

1,3,5-Trimethylbenzene

Concen: 4.772 ug/l

RT: 12.898 min Scan# 1923

Delta R.T. -0.006 min

Lab File: VD075122.D

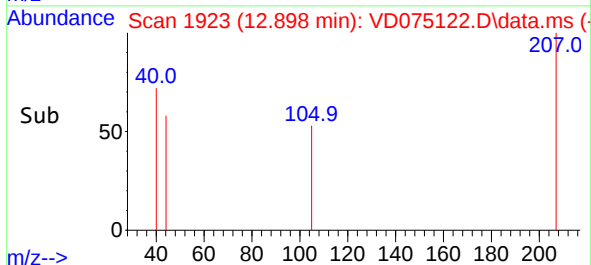
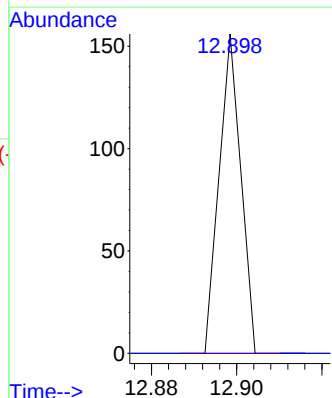
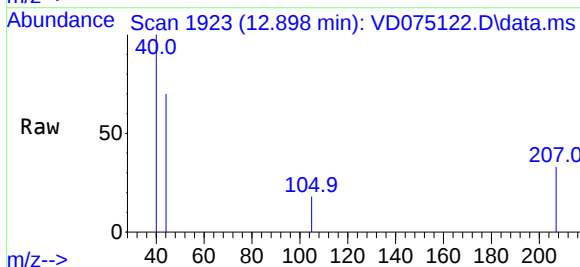
Acq: 11 Jan 2023 17:16

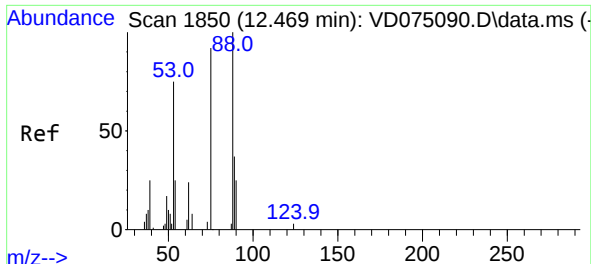
Tgt Ion: 105 Resp: 55

Ion Ratio Lower Upper

105 100

120 0.0 24.8 74.3#

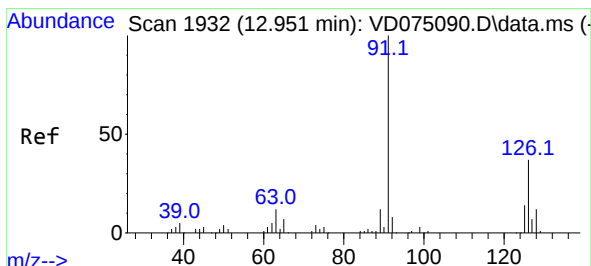
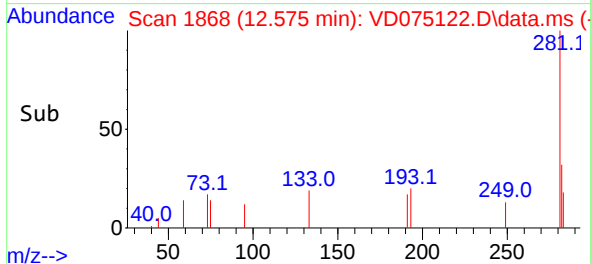
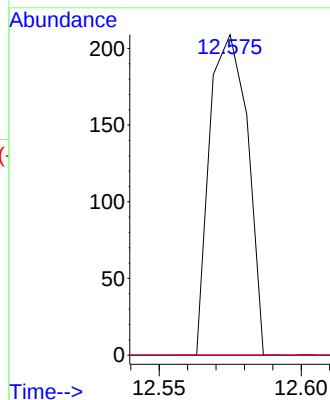
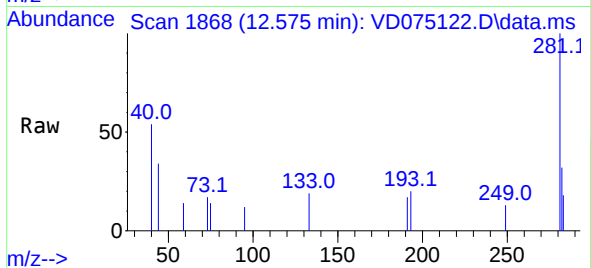




#81
trans-1,4-Dichloro-2-butene
Concen: 284.188 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

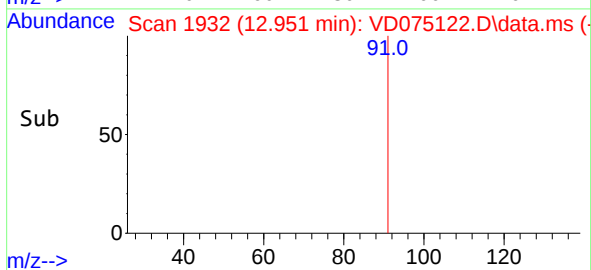
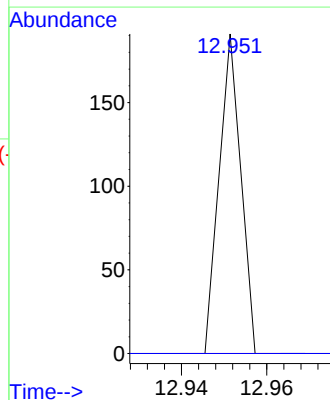
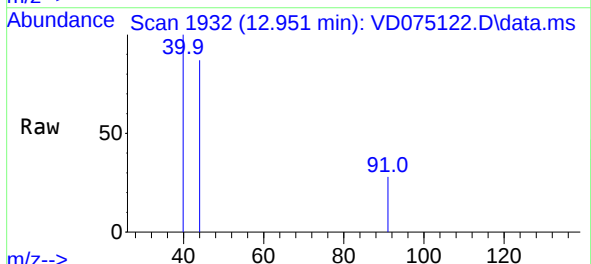
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

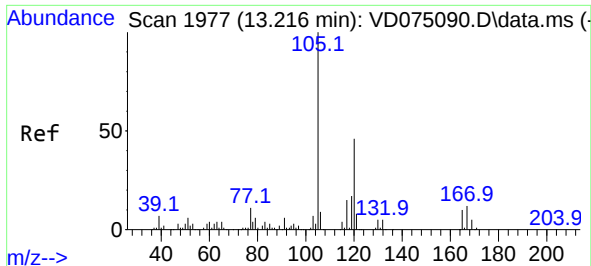
Tgt Ion: 75 Resp: 194
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.0 33.4 50.0#



#82
4-Chlorotoluene
Concen: 6.985 ug/l
RT: 12.951 min Scan# 1932
Delta R.T. 0.000 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

Tgt Ion: 91 Resp: 67
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.8#

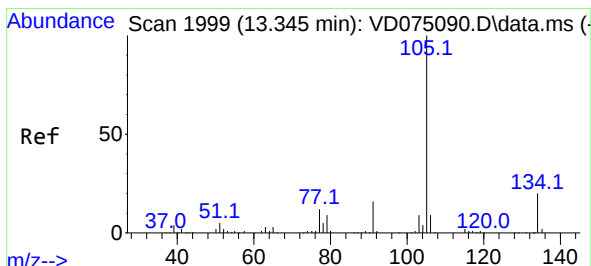
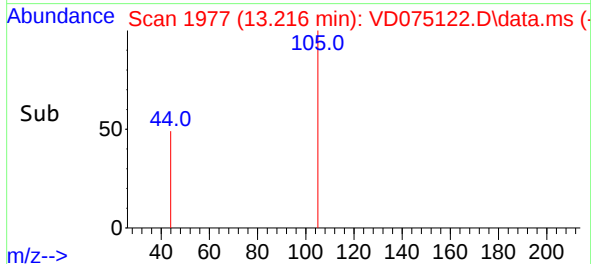
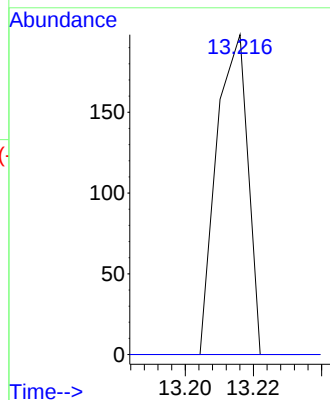
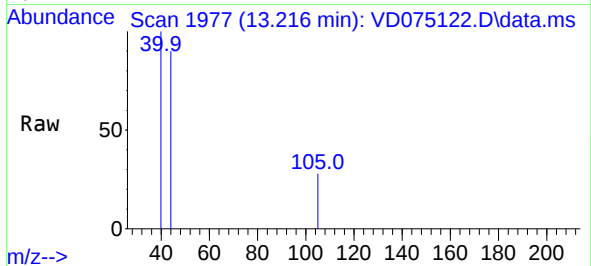




#84
1,2,4-Trimethylbenzene
Concen: 11.313 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

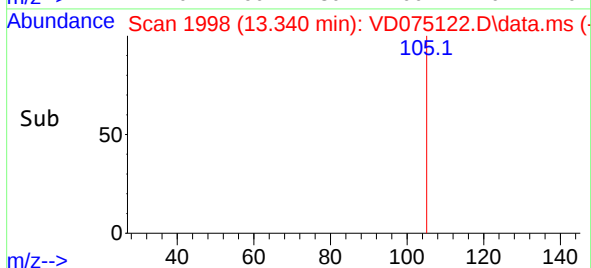
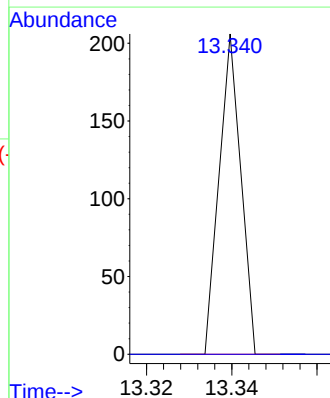
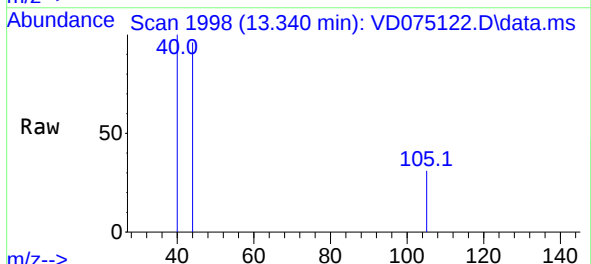
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

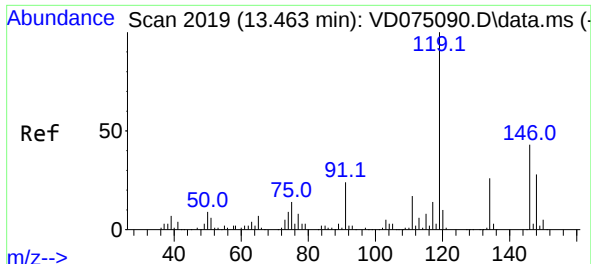
Tgt Ion:105 Resp: 126
Ion Ratio Lower Upper
105 100
120 0.0 22.8 68.4#



#85
sec-Butylbenzene
Concen: 4.737 ug/l
RT: 13.340 min Scan# 1998
Delta R.T. -0.006 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

Tgt Ion:105 Resp: 73
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.3#

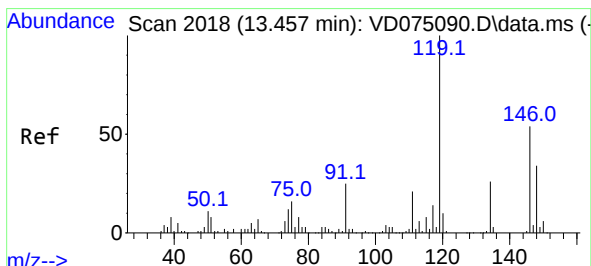
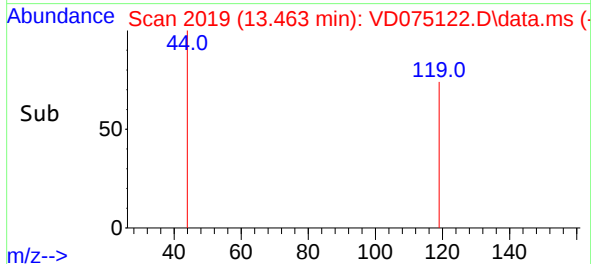
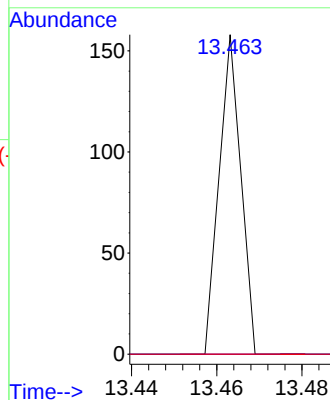
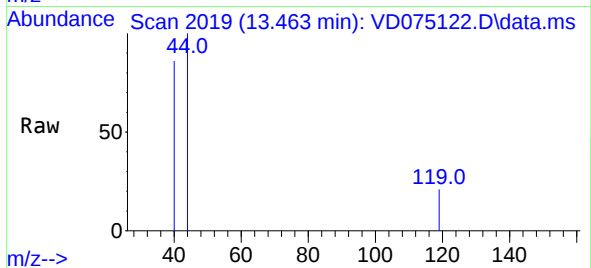




#86
p-Isopropyltoluene
Concen: 4.498 ug/l
RT: 13.463 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

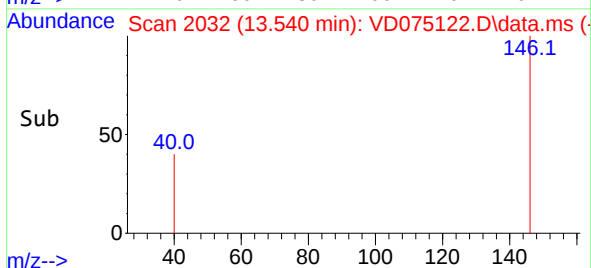
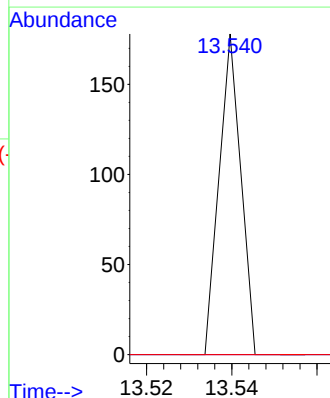
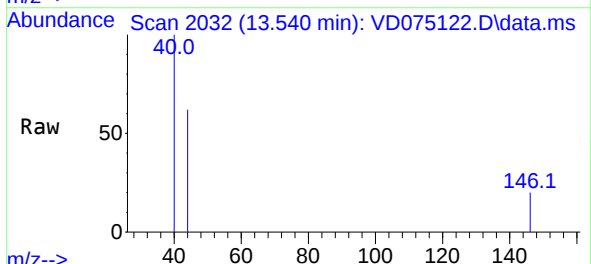
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

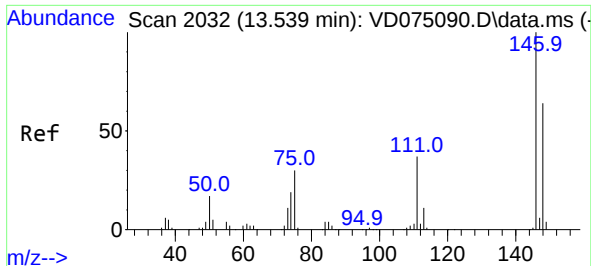
Tgt Ion:119 Resp: 56
Ion Ratio Lower Upper
119 100
134 0.0 13.1 39.1#
91 0.0 11.9 35.5#



#87
1,3-Dichlorobenzene
Concen: 10.174 ug/l
RT: 13.540 min Scan# 2032
Delta R.T. 0.083 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

Tgt Ion:146 Resp: 63
Ion Ratio Lower Upper
146 100
111 0.0 19.7 59.1#
148 0.0 32.0 96.0#

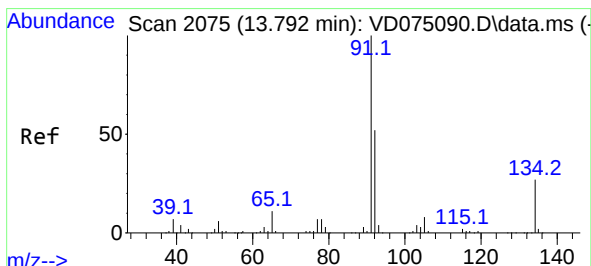
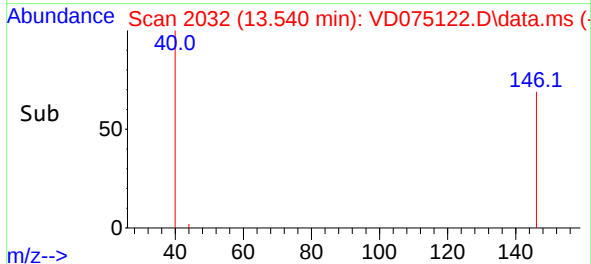
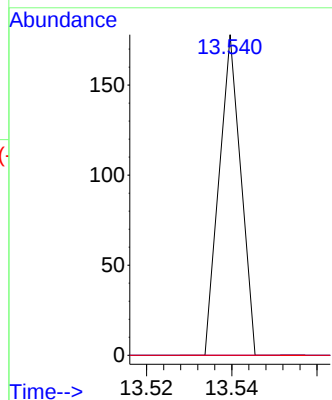
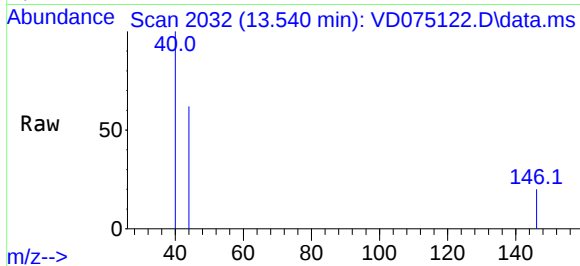




#88
1,4-Dichlorobenzene
Concen: 10.062 ug/l
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

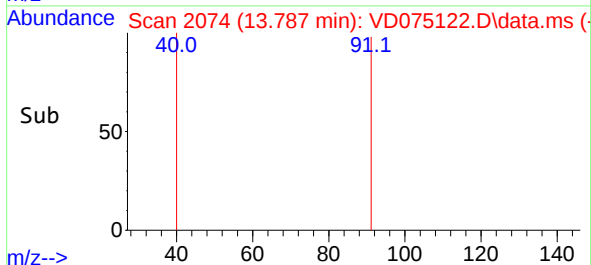
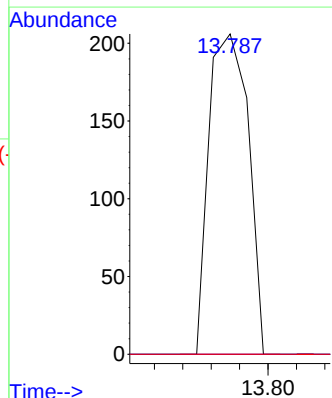
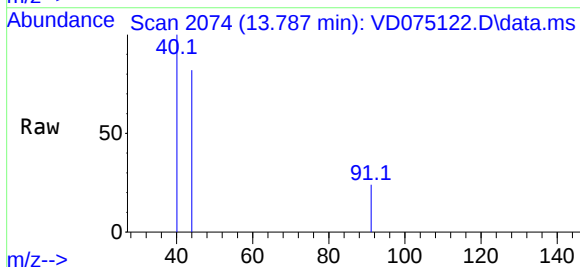
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

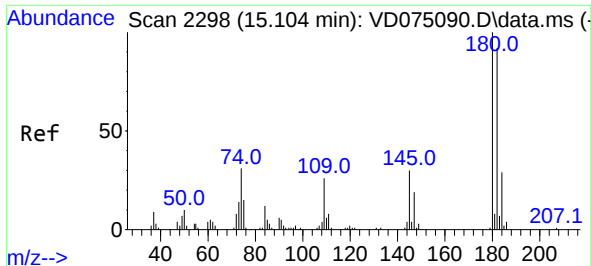
Tgt Ion:146 Resp: 63
Ion Ratio Lower Upper
146 100
111 0.0 19.3 57.8#
148 0.0 31.4 94.0#



#89
n-Butylbenzene
Concen: 16.172 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. -0.006 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

Tgt Ion: 91 Resp: 198
Ion Ratio Lower Upper
91 100
92 0.0 26.2 78.5#
134 0.0 13.2 39.6#

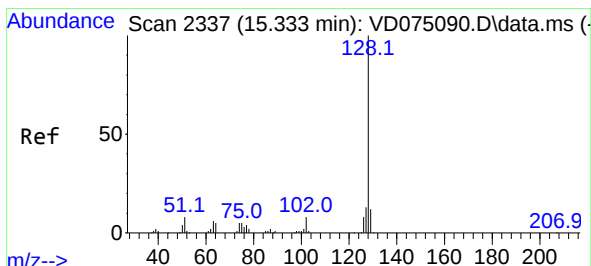
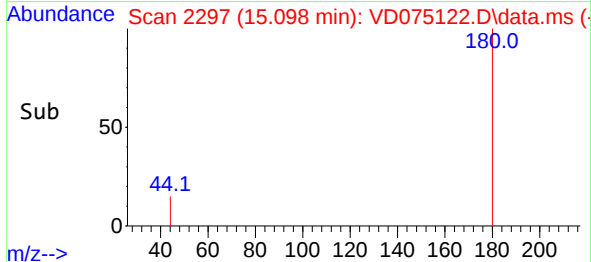
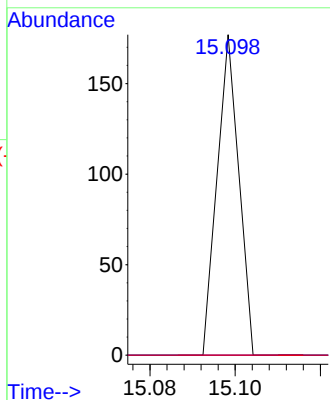
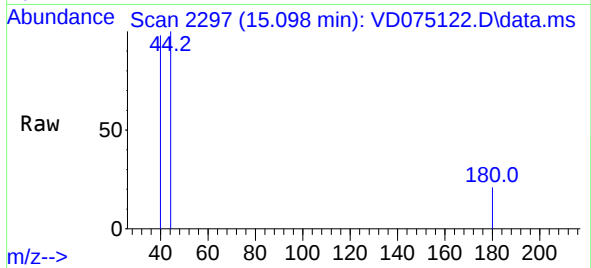




#93
1,2,4-Trichlorobenzene
Concen: 17.301 ug/l
RT: 15.098 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180	Resp:	62
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.3 141.9#
145	0.0	15.7 47.0#



#95
Naphthalene
Concen: 683.114 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD075122.D
Acq: 11 Jan 2023 17:16

Tgt Ion:128	Resp:	4807
Ion Ratio	Lower	Upper
128	100	
127	13.0	10.3 15.5
129	10.6	8.9 13.3

