

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
 Data File : VY011873.D
 Acq On : 15 Dec 2022 15:44
 Operator : KP/MD
 Sample : N6038-19
 Misc : 3.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-38-(3-5)

Quant Time: Dec 16 00:14:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

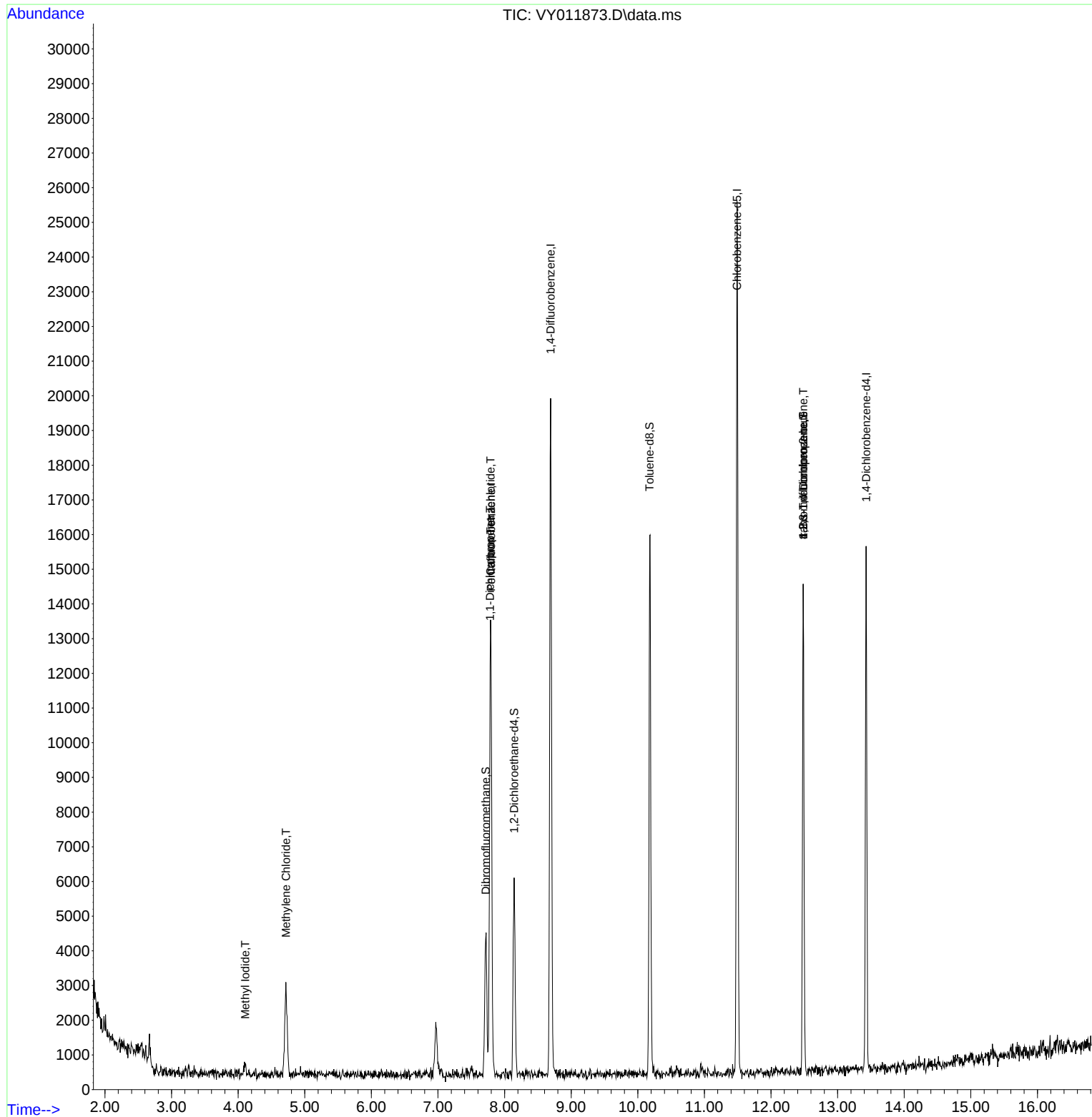
Internal Standards						
1) Pentafluorobenzene	7.795	168	11028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	17337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	14539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	4580	62.013	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.020%
35) Dibromofluoromethane	7.715	113	2970	37.593	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	75.180%
50) Toluene-d8	10.178	98	11181	43.397	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	86.800%
62) 4-Bromofluorobenzene	12.483	95	4429	43.466	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.940%
Target Compounds						
						Qvalue
3) Chloromethane	2.119	50	96	Below Cal	#	41
10) Methyl Iodide	4.106	142	470	4.436	ug/l #	76
11) Tert butyl alcohol	4.936	59	25	Below Cal	#	74
20) Methylene Chloride	4.716	84	1744	11.779	ug/l	88
31) Cyclohexane	7.789	56	194	Below Cal	#	46
36) 1,1-Dichloropropene	7.783	75	815	6.195	ug/l #	41
38) Carbon Tetrachloride	7.789	117	1074	6.950	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	2207	51.424	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2207	116.691	ug/l #	13

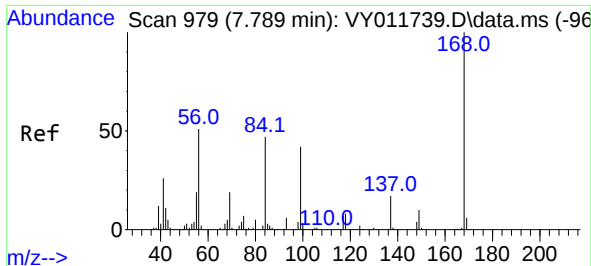
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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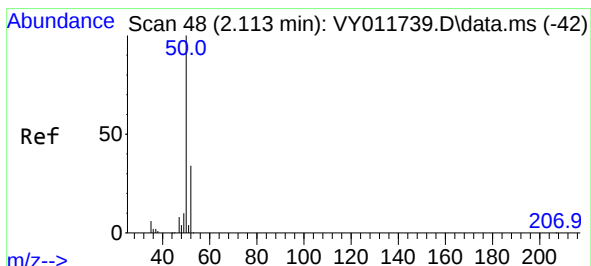
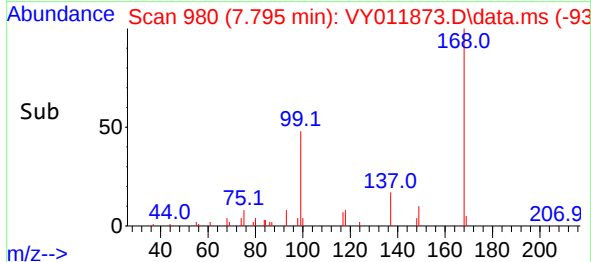
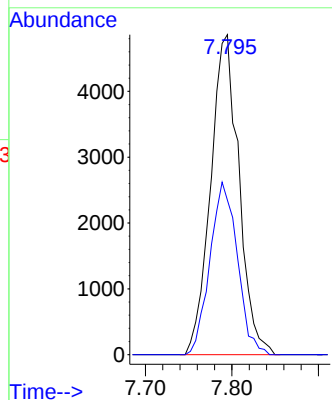
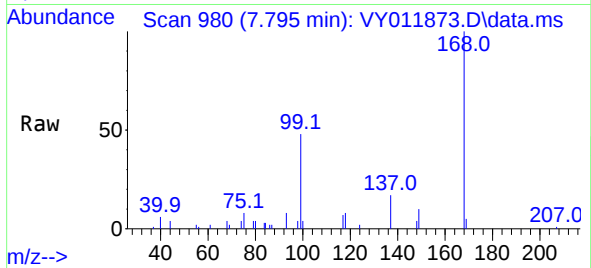




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

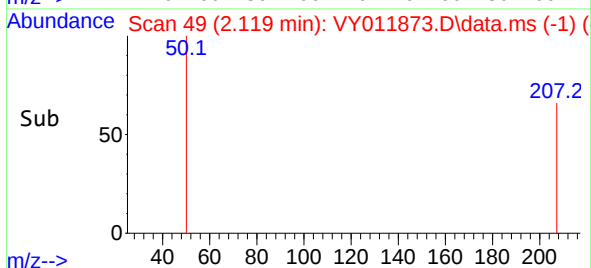
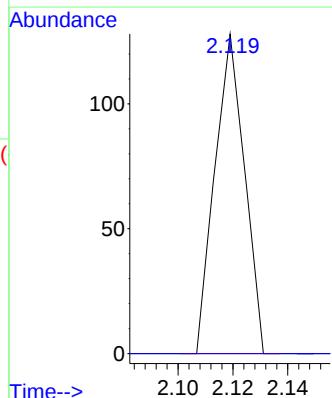
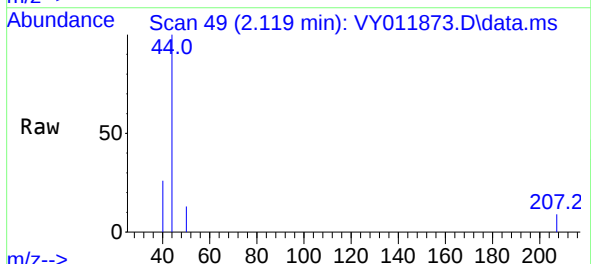
Instrument :
MSVOA_Y
ClientSampleId :
RB-38-(3-5)

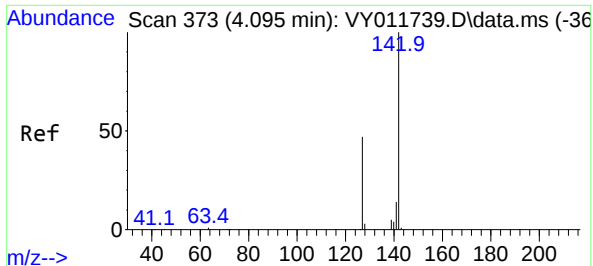
Tgt Ion:168 Resp: 11028
Ion Ratio Lower Upper
168 100
99 48.3 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

Tgt Ion: 50 Resp: 96
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

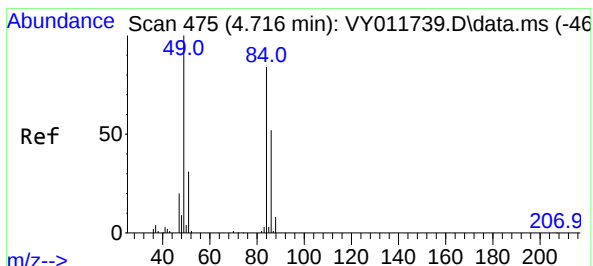
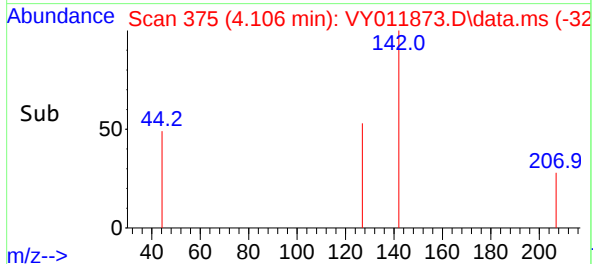
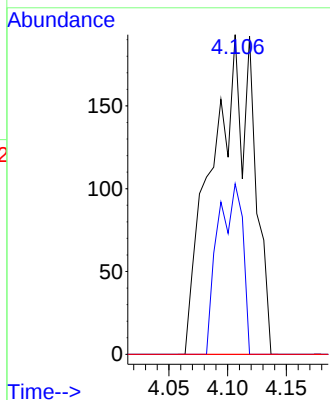
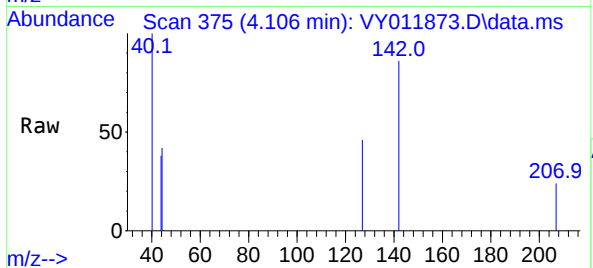




#10
Methyl Iodide
Concen: 4.436 ug/l
RT: 4.106 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

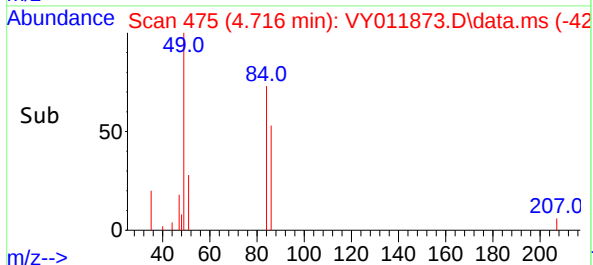
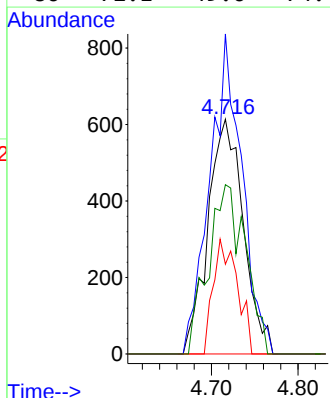
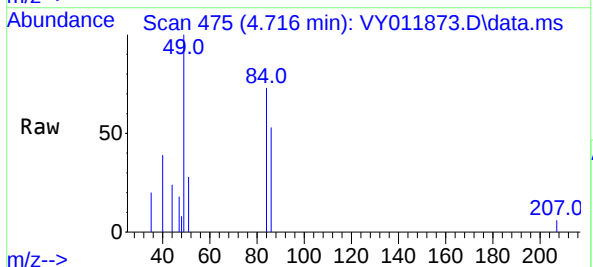
Instrument :
MSVOA_Y
ClientSampleId :
RB-38-(3-5)

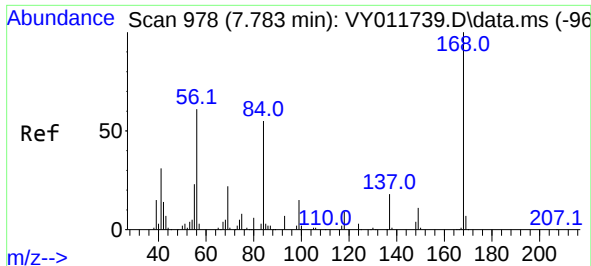
Tgt Ion:142 Resp: 470
Ion Ratio Lower Upper
142 100
127 32.1 37.0 55.4#
141 0.0 11.4 17.0#



#20
Methylene Chloride
Concen: 11.779 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

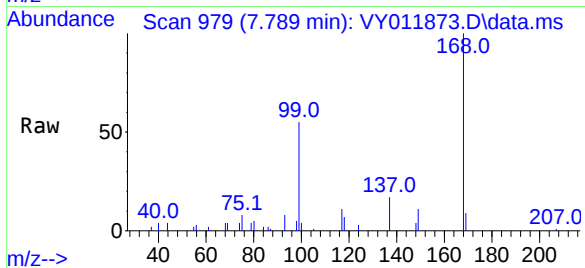
Tgt Ion: 84 Resp: 1744
Ion Ratio Lower Upper
84 100
49 136.3 95.4 143.2
51 38.3 29.9 44.9
86 72.1 49.6 74.4



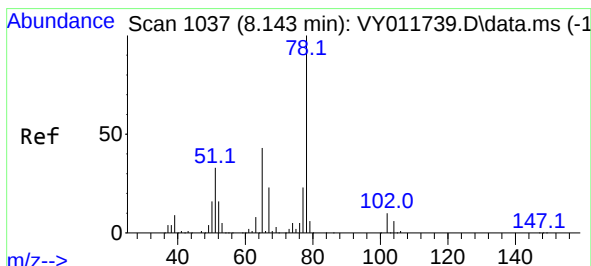
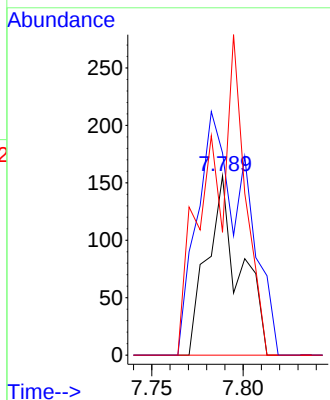
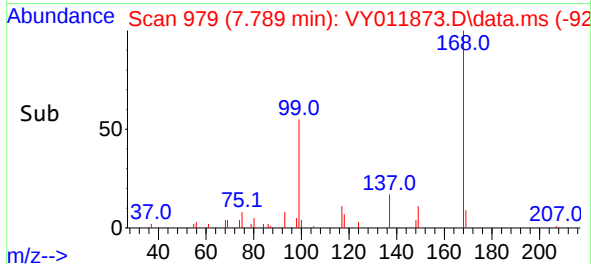


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

Instrument :
MSVOA_Y
ClientSampleId :
RB-38-(3-5)

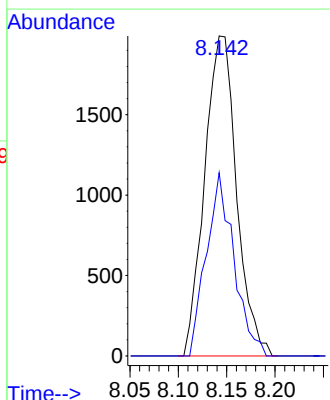
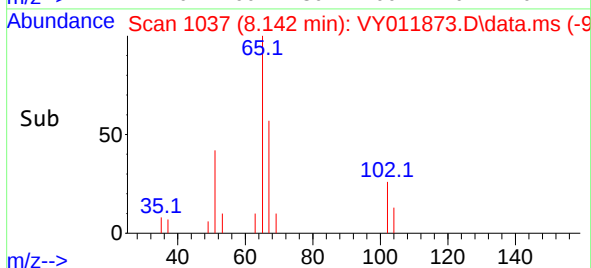
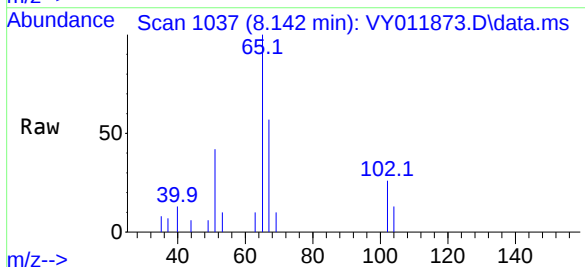


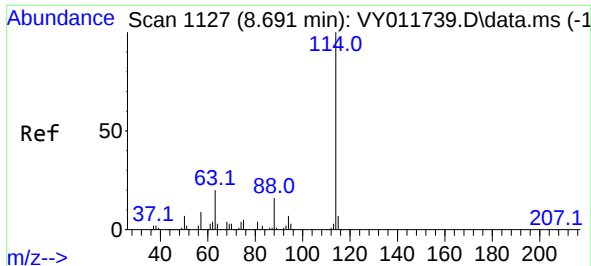
Tgt Ion: 56 Resp: 194
Ion Ratio Lower Upper
56 100
69 112.8 29.2 43.8#
84 68.6 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 62.013 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

Tgt Ion: 65 Resp: 4580
Ion Ratio Lower Upper
65 100
67 49.3 0.0 103.2

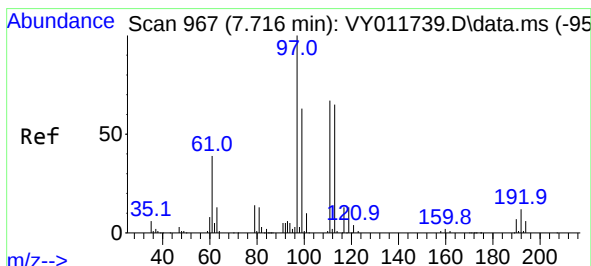
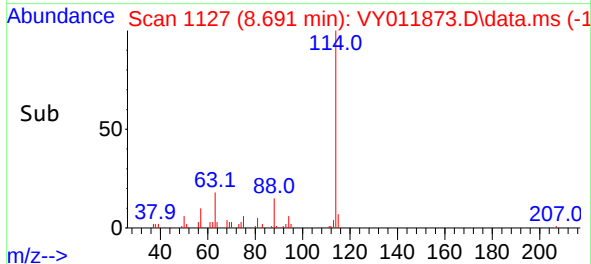
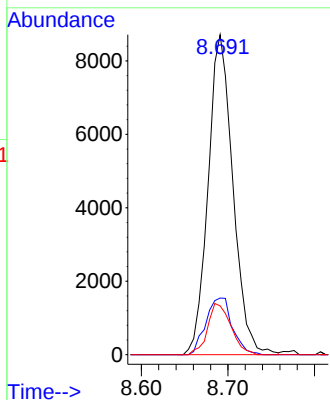
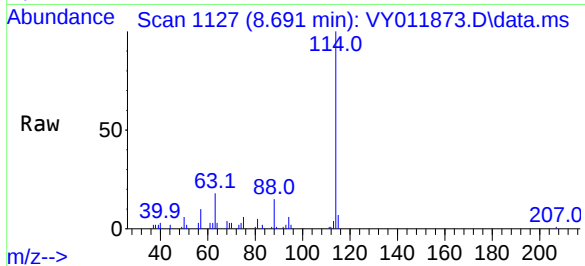




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

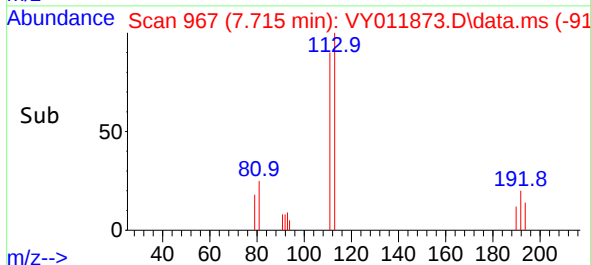
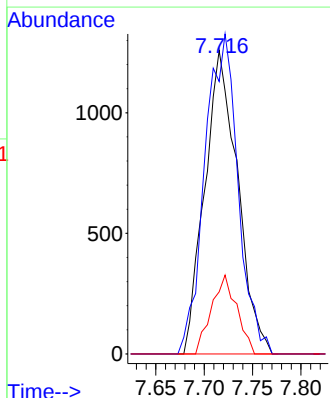
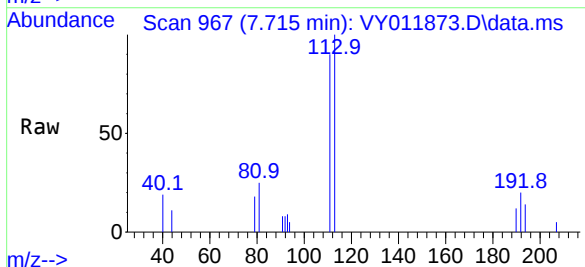
Instrument :
MSVOA_Y
ClientSampleId :
RB-38-(3-5)

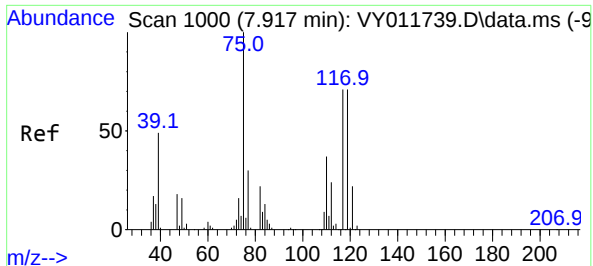
Tgt Ion:	114	Resp:	17337
Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	39.6
88	15.3	0.0	32.2



#35
Dibromofluoromethane
Concen: 37.593 ug/l
RT: 7.715 min Scan# 967
Delta R.T. -0.001 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

Tgt Ion:	113	Resp:	2970
Ion	Ratio	Lower	Upper
113	100		
111	106.5	83.0	124.4
192	20.0	16.0	24.0





#36

1,1-Dichloropropene

Concen: 6.195 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011873.D

Acq: 15 Dec 2022 15:44

Instrument :

MSVOA_Y

ClientSampleId :

RB-38-(3-5)

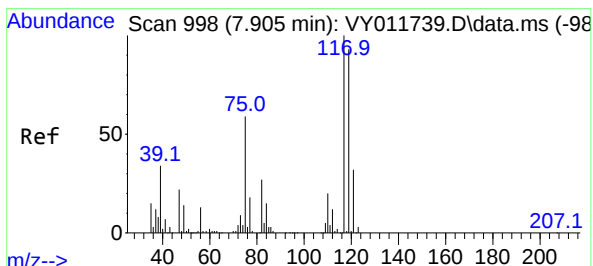
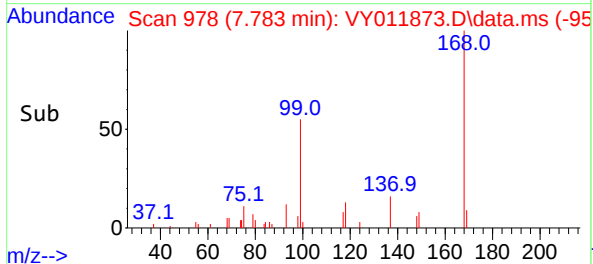
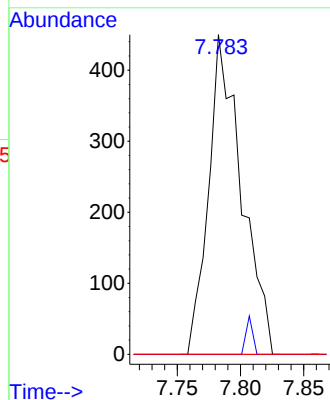
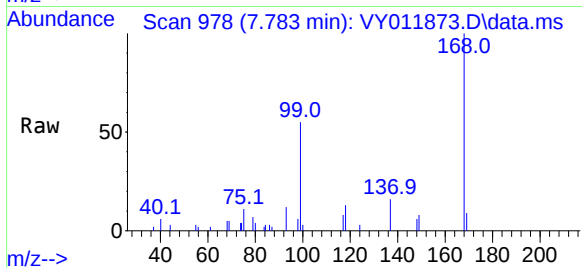
Tgt Ion: 75 Resp: 815

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.950 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011873.D

Acq: 15 Dec 2022 15:44

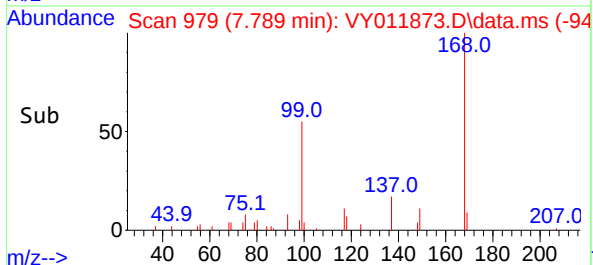
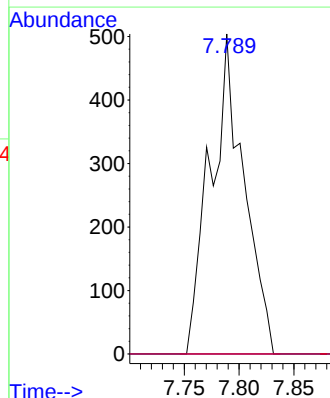
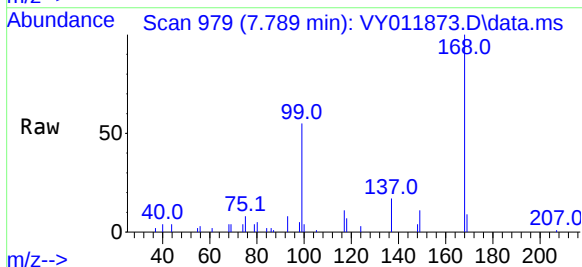
Tgt Ion: 117 Resp: 1074

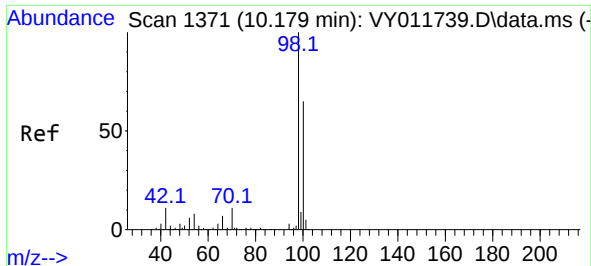
Ion Ratio Lower Upper

117 100

119 0.0 73.8 110.8#

121 0.0 25.2 37.8#

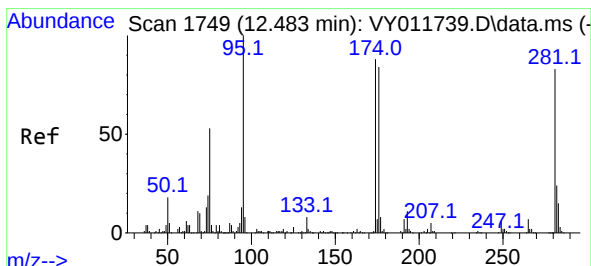
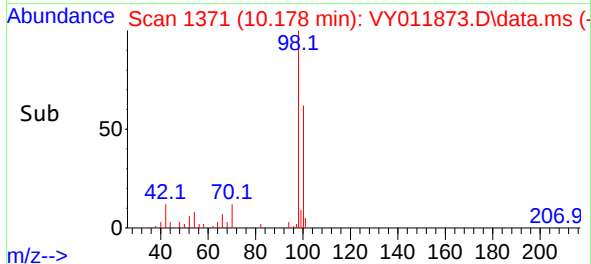
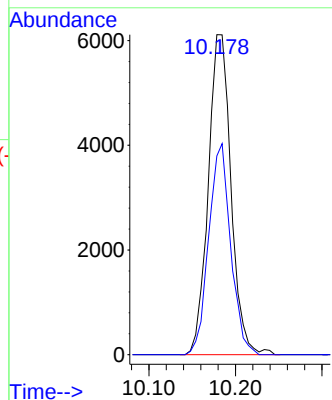
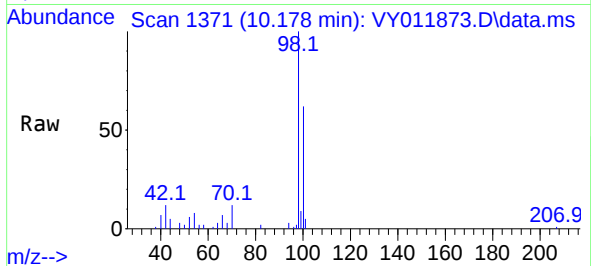




#50
Toluene-d8
Concen: 43.397 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

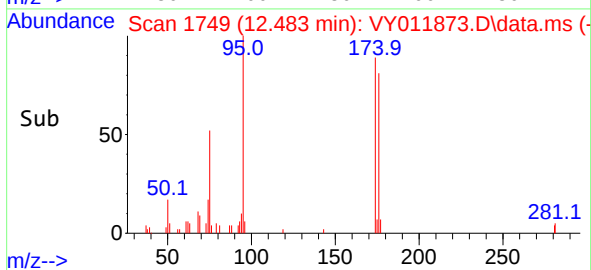
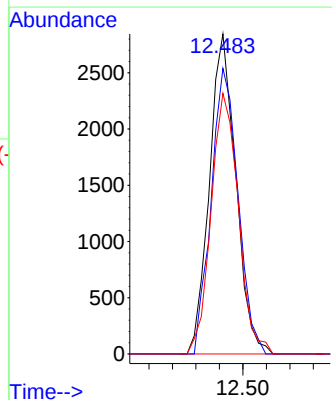
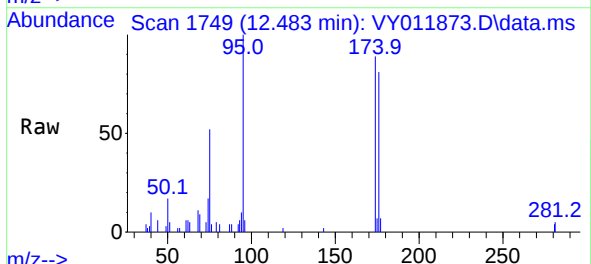
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RB-38-(3-5)

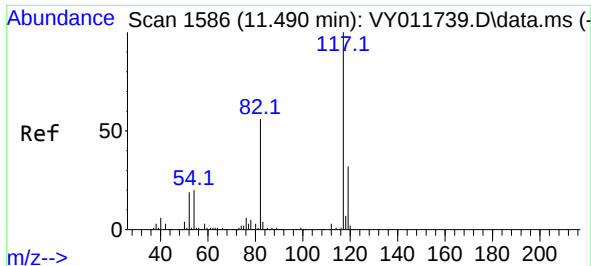
Tgt Ion: 98 Resp: 11181
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.466 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

Tgt Ion: 95 Resp: 4429
Ion Ratio Lower Upper
95 100
174 91.0 0.0 172.0
176 84.4 0.0 167.6

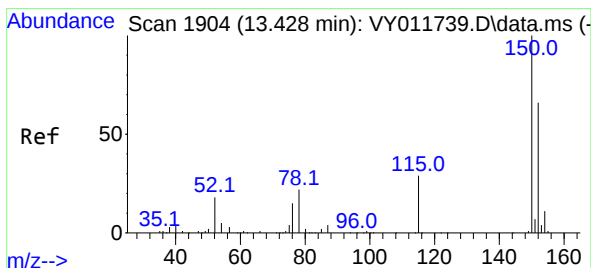
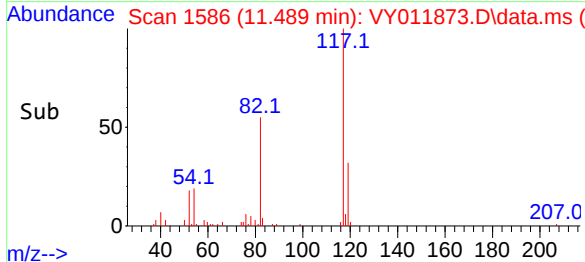
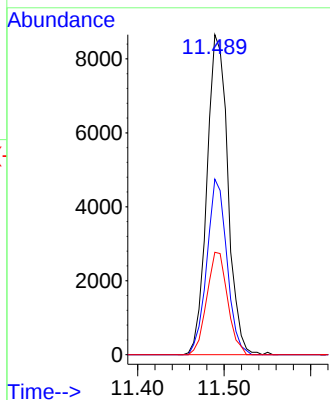
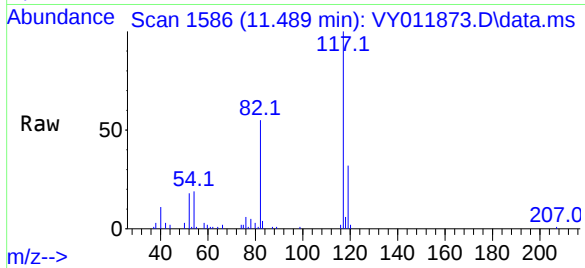




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

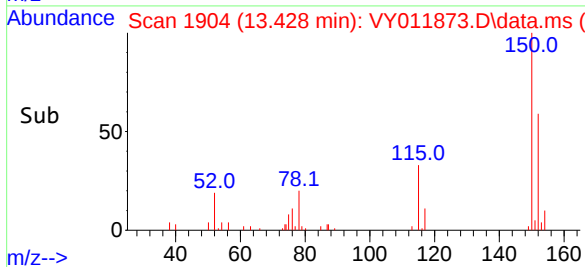
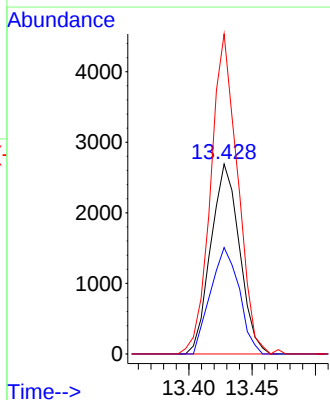
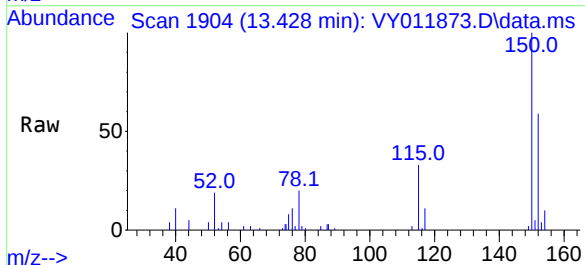
Instrument :
MSVOA_Y
ClientSampleId :
RB-38-(3-5)

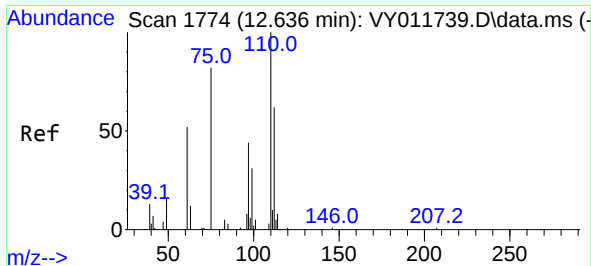
Tgt Ion:117 Resp: 14539
Ion Ratio Lower Upper
117 100
82 54.9 44.8 67.2
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

Tgt Ion:152 Resp: 4242
Ion Ratio Lower Upper
152 100
115 56.1 29.1 87.3
150 158.5 0.0 342.6

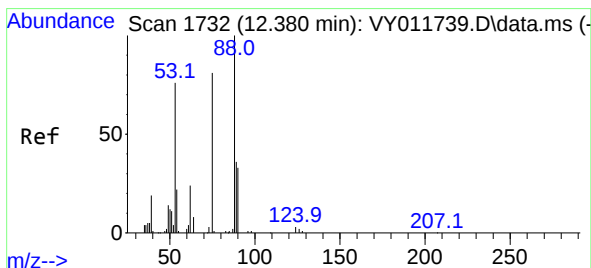
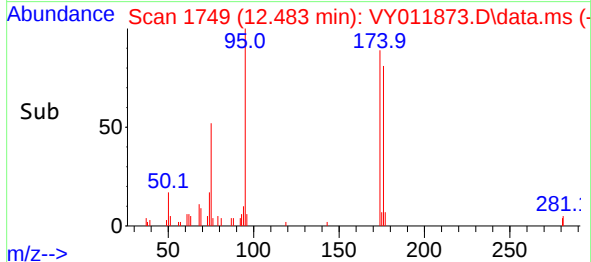
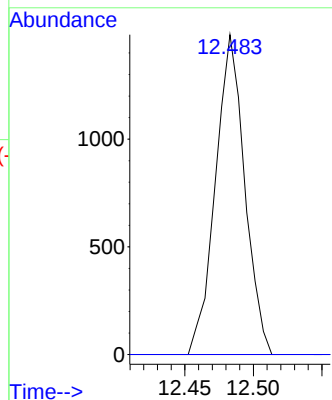
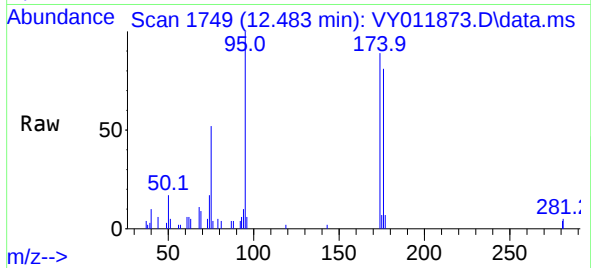




#76
1,2,3-Trichloropropane
Concen: 51.424 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

Instrument :
MSVOA_Y
ClientSampleId :
RB-38-(3-5)

Tgt Ion: 75 Resp: 2207
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 116.691 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011873.D
Acq: 15 Dec 2022 15:44

Tgt Ion: 75 Resp: 2207
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

