

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011123\
 Data File : VY012159.D
 Acq On : 11 Jan 2023 13:38
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jan 12 05:49:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

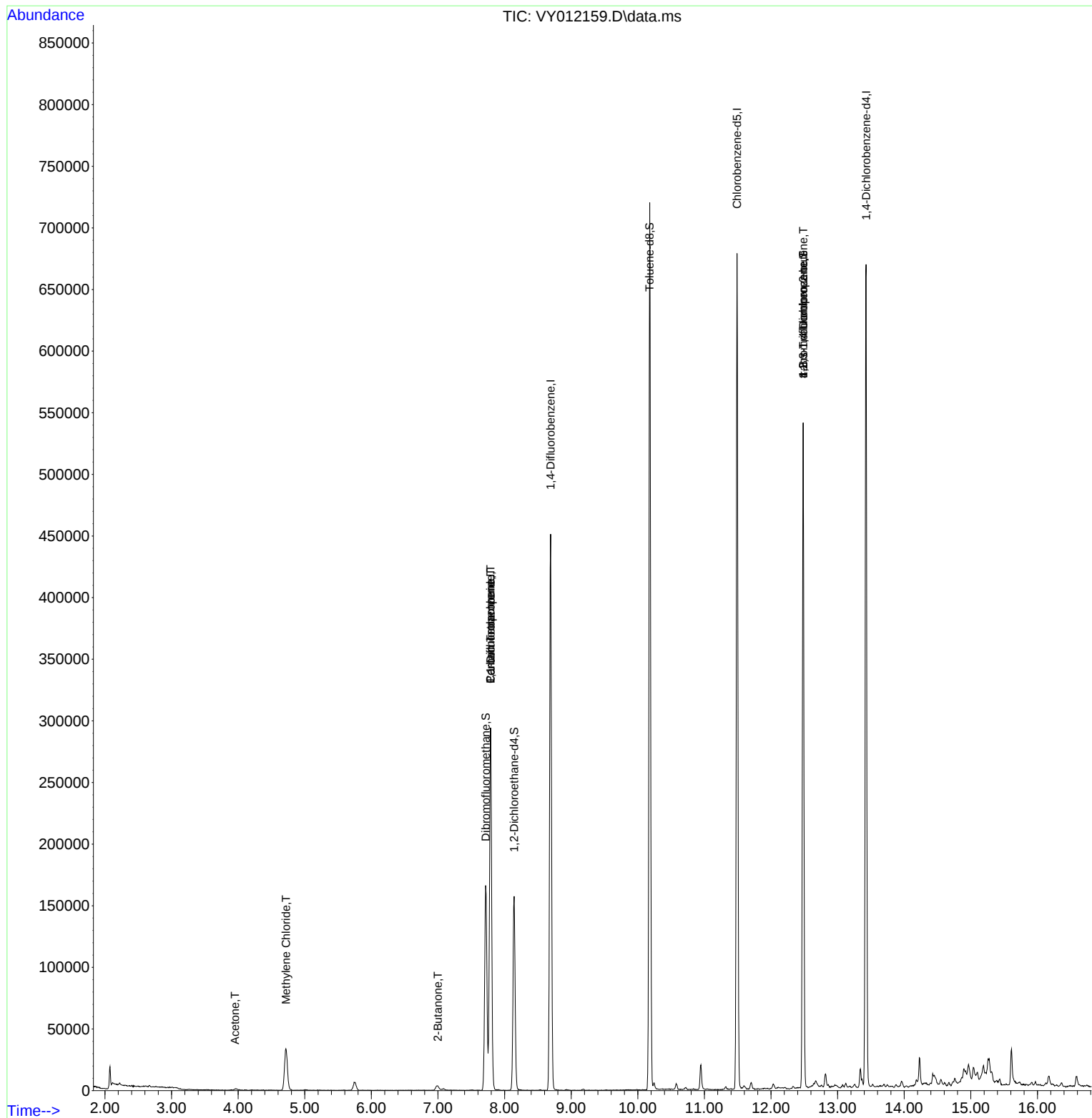
Internal Standards						
1) Pentafluorobenzene	7.789	168	231665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	396771	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	377404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	181191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	127176	48.855	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.720%
35) Dibromofluoromethane	7.716	113	117424	45.026	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.060%
50) Toluene-d8	10.179	98	473767	46.026	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.060%
62) 4-Bromofluorobenzene	12.483	95	163934	45.562	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.120%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	284	Below Cal		86
3) Chloromethane	2.107	50	285	Below Cal	#	63
5) Bromomethane	2.662	94	187	Below Cal	#	65
11) Tert butyl alcohol	5.009	59	237	Below Cal	#	74
13) Acrolein	3.729	56	19	Below Cal	#	14
16) Acetone	3.954	43	2667	4.355	ug/l	90
17) Carbon Disulfide	4.192	76	338	Below Cal	#	75
20) Methylene Chloride	4.716	84	28133	5.614	ug/l	88
25) 2-Butanone	6.996	43	1246	1.542	ug/l	92
31) Cyclohexane	7.795	56	4420	Below Cal	#	23
36) 1,1-Dichloropropene	7.789	75	16480	4.165	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	22415	4.463	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	82794	40.020	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	82794	88.877	ug/l	# 13

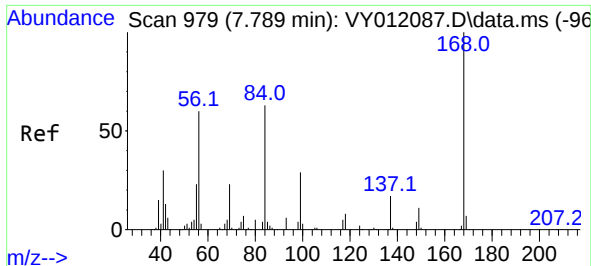
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

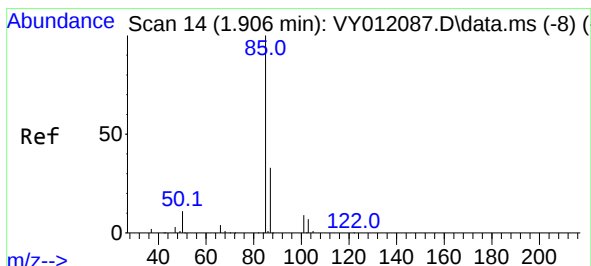
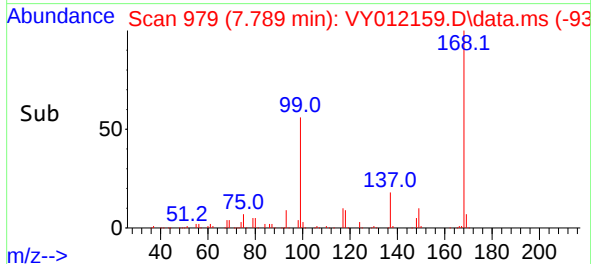
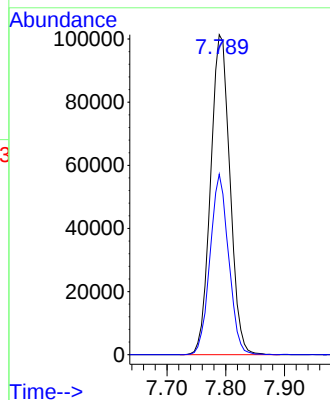
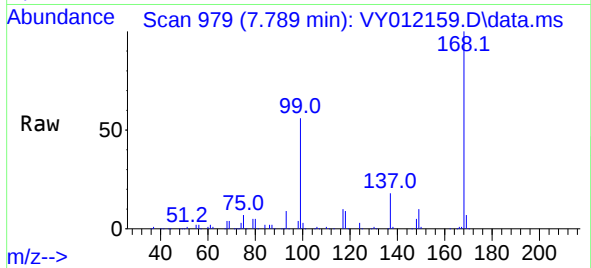




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

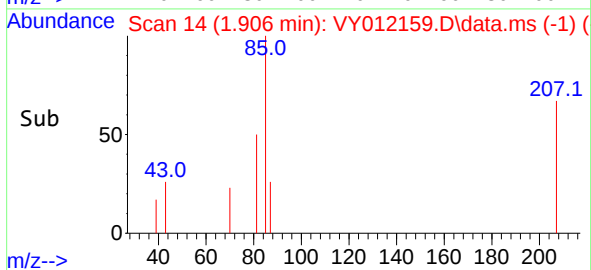
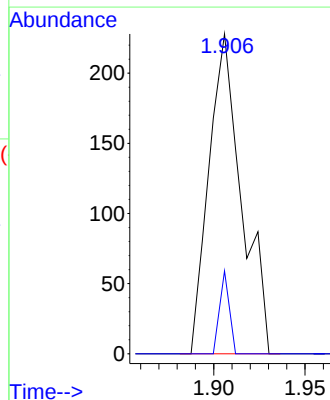
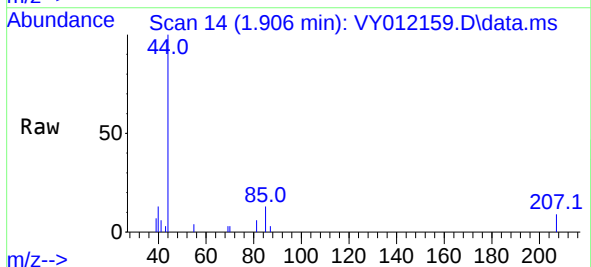
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

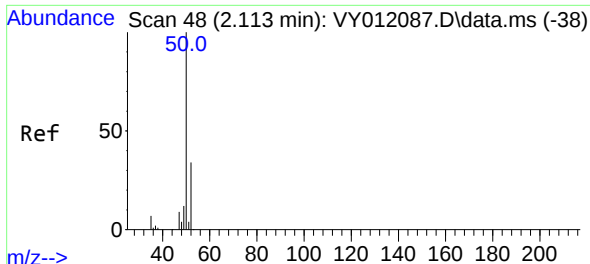
Tgt Ion:168 Resp: 231665
Ion Ratio Lower Upper
168 100
99 56.4 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

Tgt Ion: 85 Resp: 284
Ion Ratio Lower Upper
85 100
87 25.9 16.8 50.4

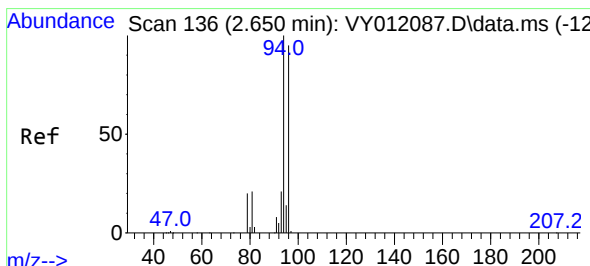
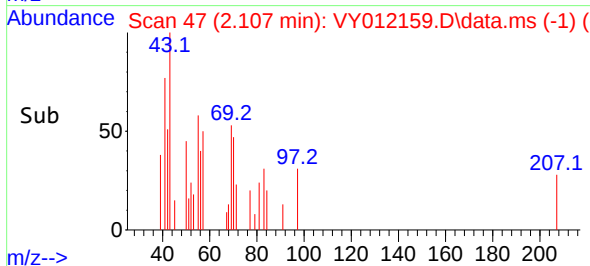
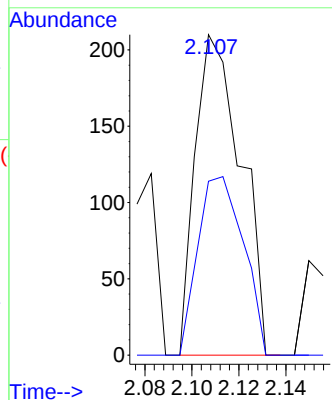
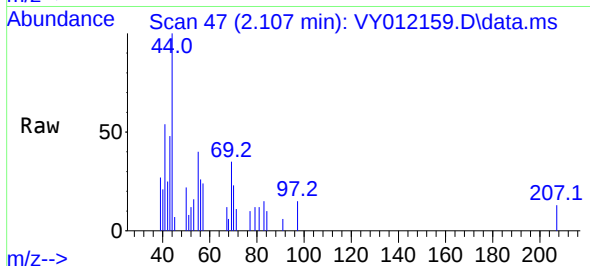




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

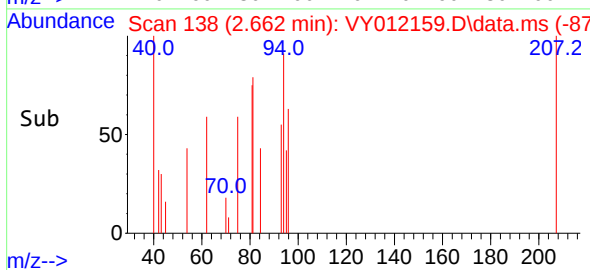
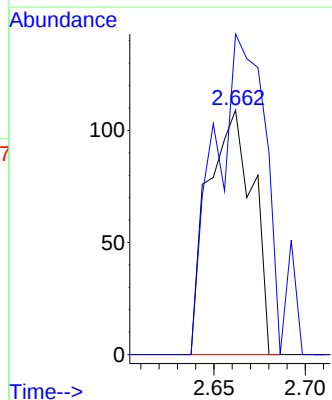
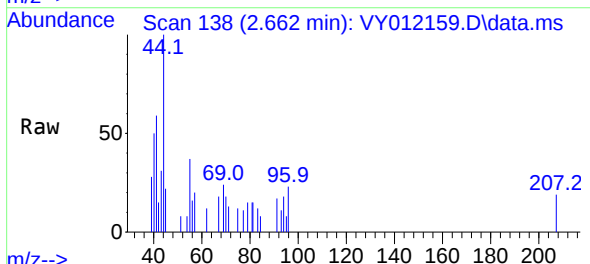
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

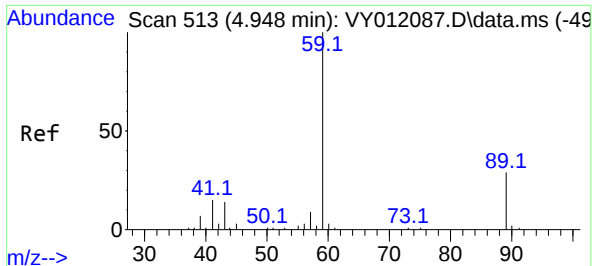
Tgt Ion: 50 Resp: 285
Ion Ratio Lower Upper
50 100
52 54.3 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

Tgt Ion: 94 Resp: 187
Ion Ratio Lower Upper
94 100
96 131.2 77.4 116.2#

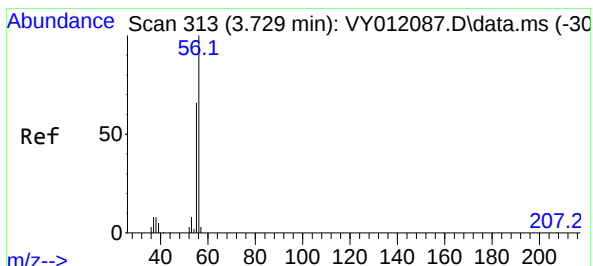
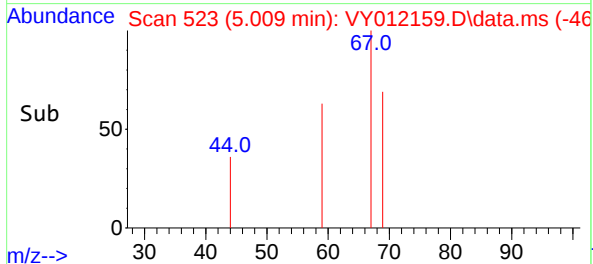
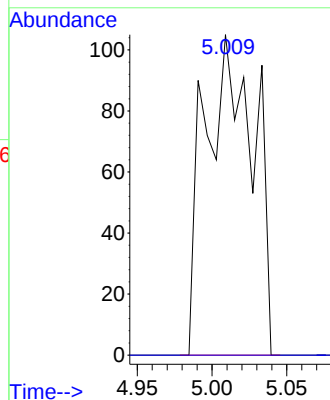
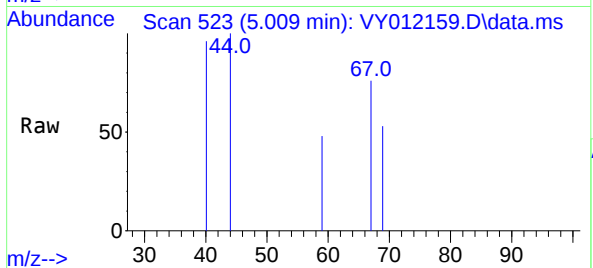




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.009 min Scan# 51
Delta R.T. 0.061 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

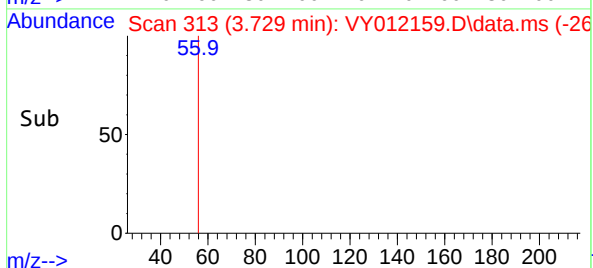
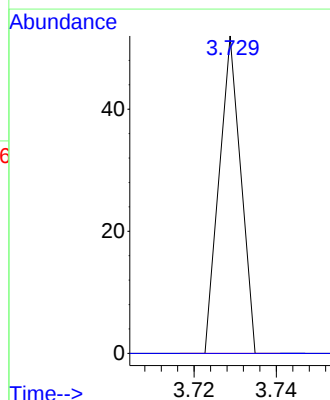
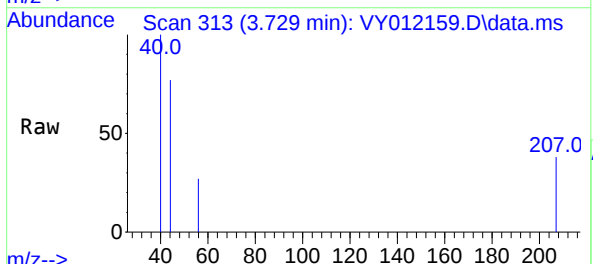
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

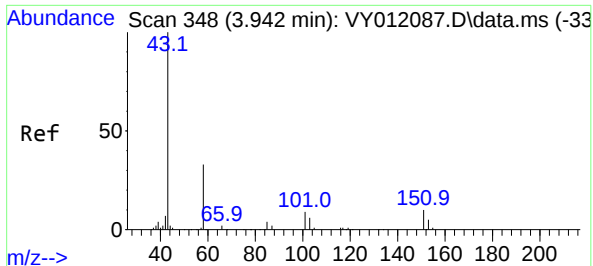
Tgt Ion: 59 Resp: 237
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#

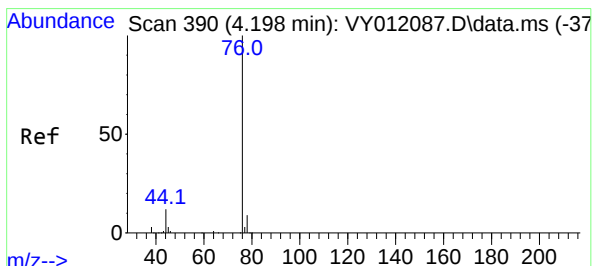
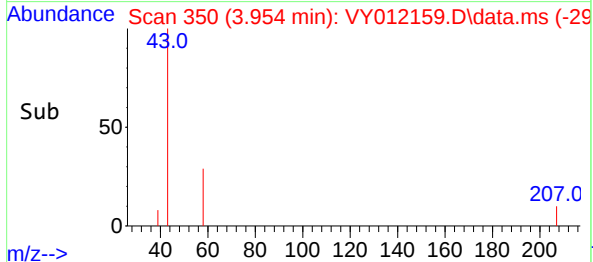
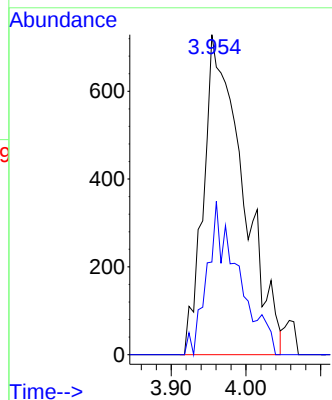
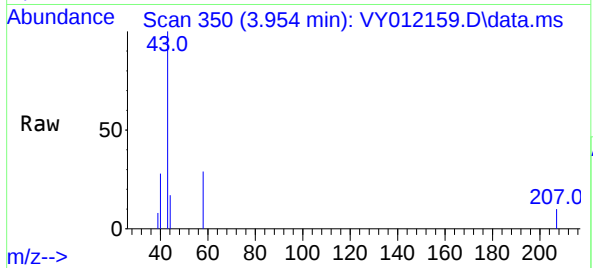




#16
Acetone
Concen: 4.355 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

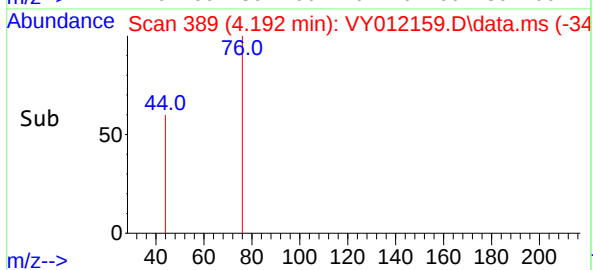
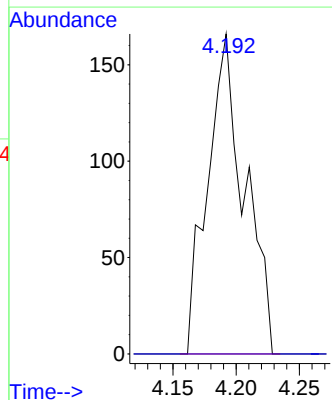
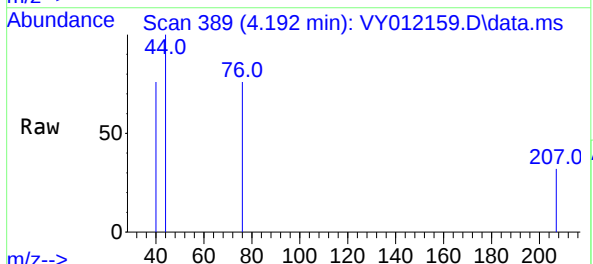
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

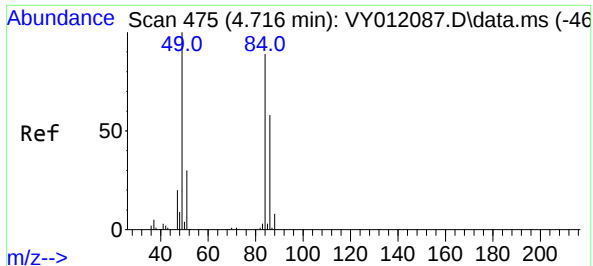
Tgt Ion: 43 Resp: 2667
Ion Ratio Lower Upper
43 100
58 28.9 27.9 41.9



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. -0.006 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

Tgt Ion: 76 Resp: 338
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



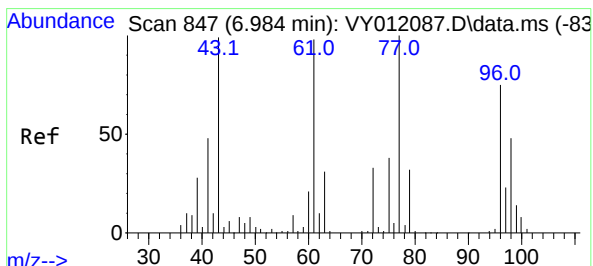
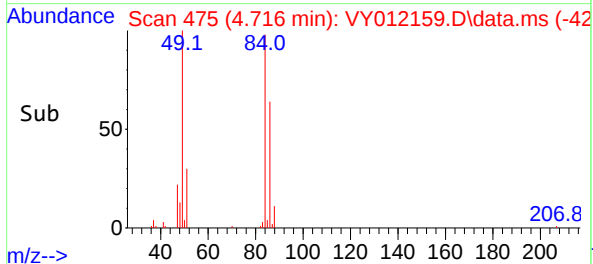
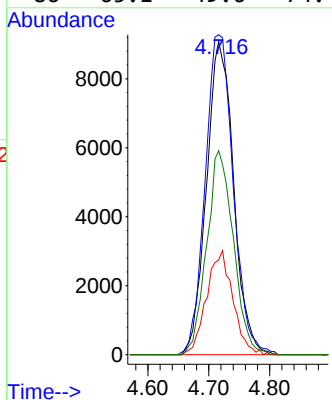
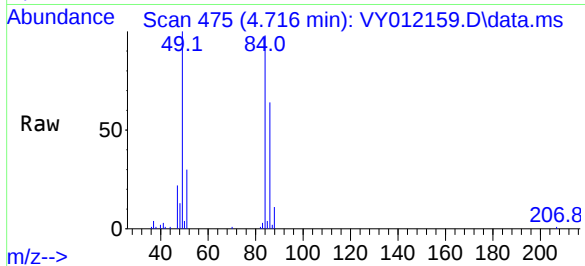


#20
Methylene Chloride
Concen: 5.614 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 28133

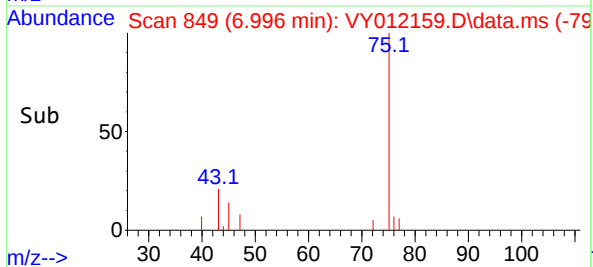
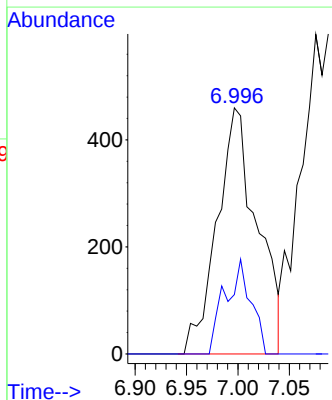
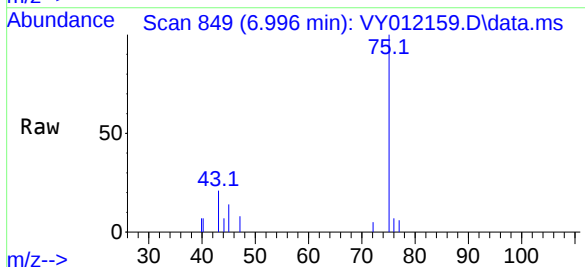
Ion	Ratio	Lower	Upper
84	100		
49	102.1	95.4	143.2
51	30.2	29.9	44.9
86	65.1	49.6	74.4

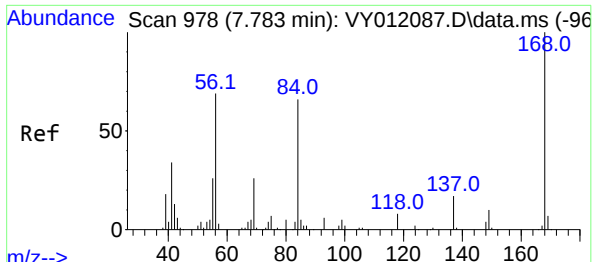


#25
2-Butanone
Concen: 1.542 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

Tgt Ion: 43 Resp: 1246

Ion	Ratio	Lower	Upper
43	100		
72	24.1	22.6	34.0

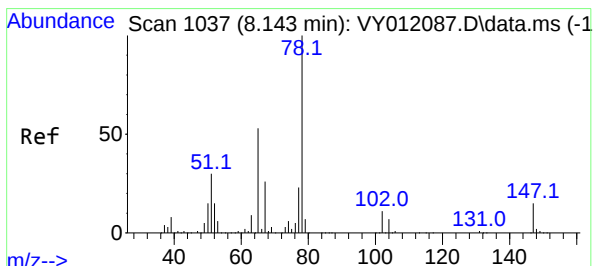
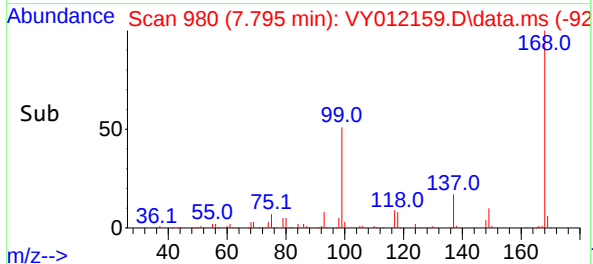
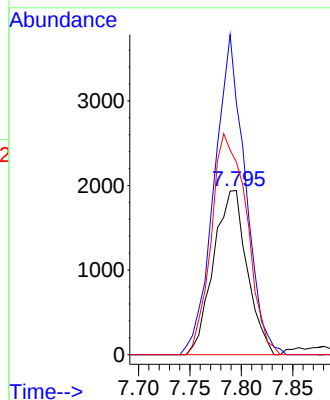
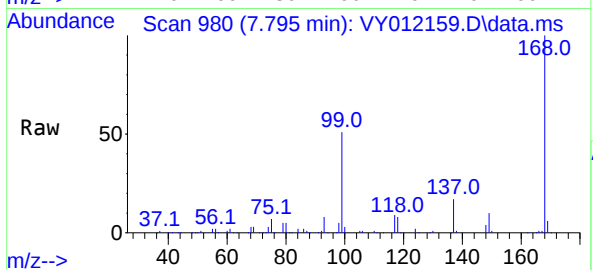




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

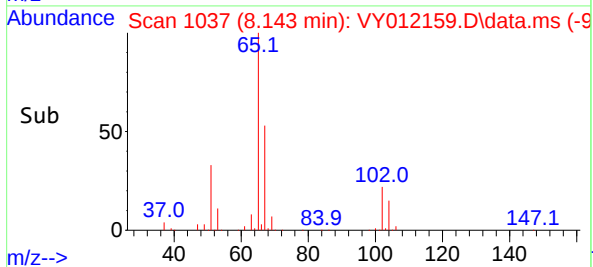
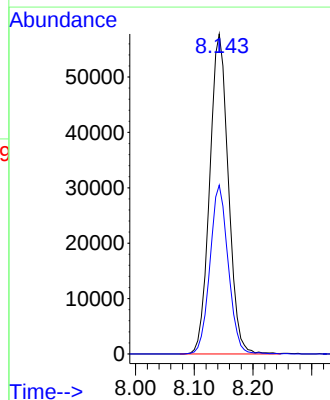
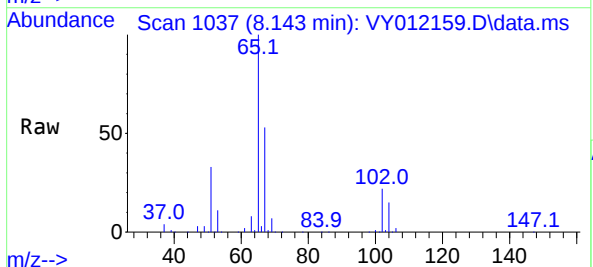
Instrument :
MSVOA_Y
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VIBLK

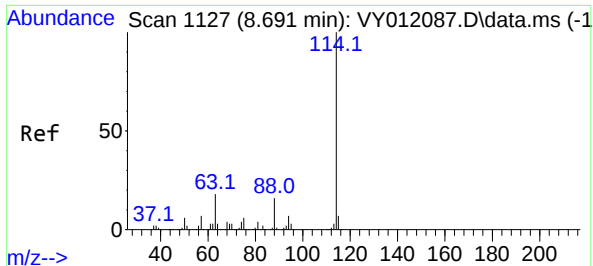
Tgt Ion: 56 Resp: 4420
Ion Ratio Lower Upper
56 100
69 153.1 29.2 43.8#
84 117.3 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 48.855 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

Tgt Ion: 65 Resp: 127176
Ion Ratio Lower Upper
65 100
67 51.6 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: VY012159.D

Acq: 11 Jan 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

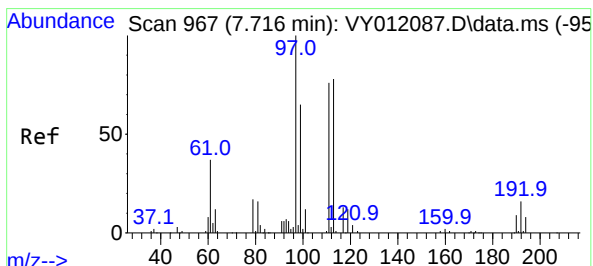
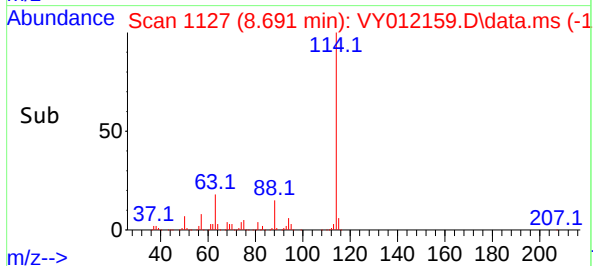
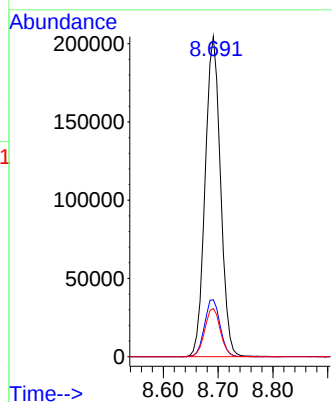
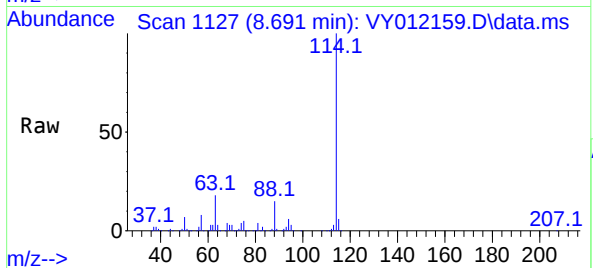
Tgt Ion:114 Resp: 396771

Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.6

88 15.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 45.026 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012159.D

Acq: 11 Jan 2023 13:38

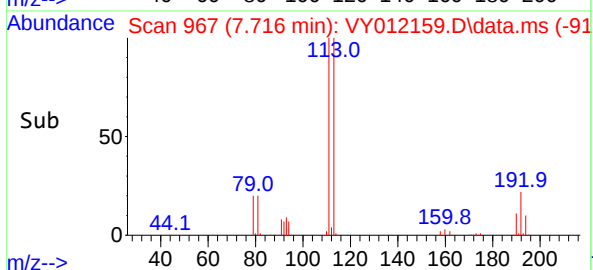
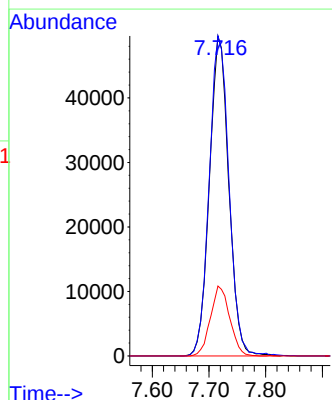
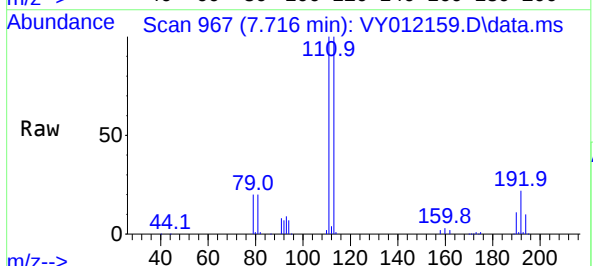
Tgt Ion:113 Resp: 117424

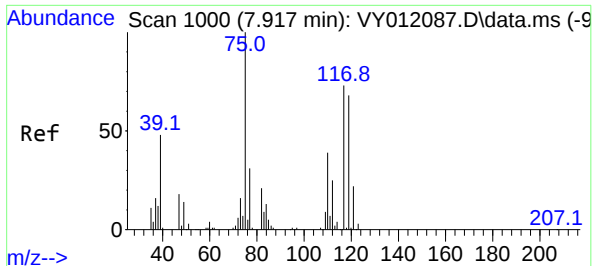
Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.4

192 21.8 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.165 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012159.D

Acq: 11 Jan 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

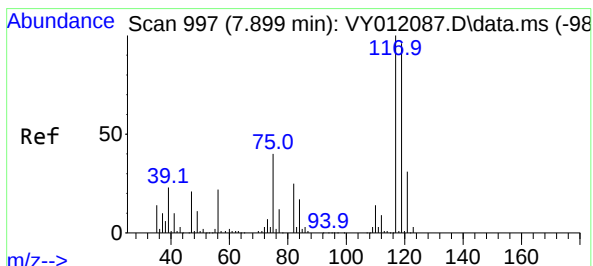
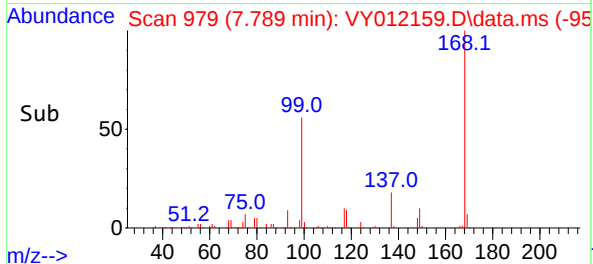
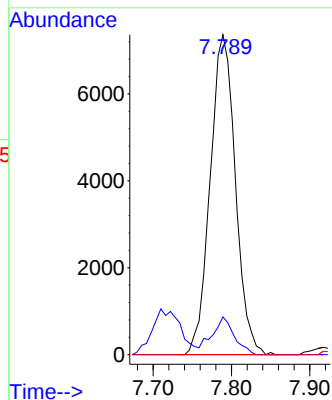
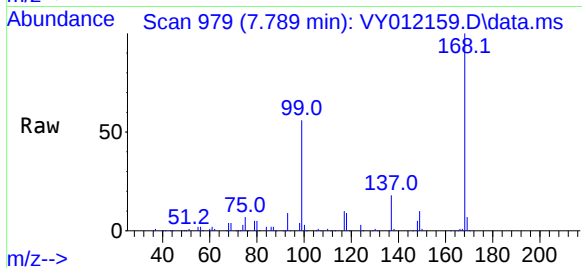
Tgt Ion: 75 Resp: 16480

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.463 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012159.D

Acq: 11 Jan 2023 13:38

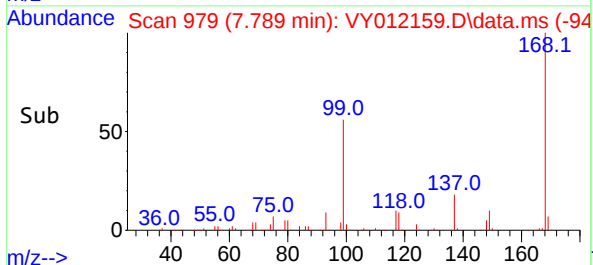
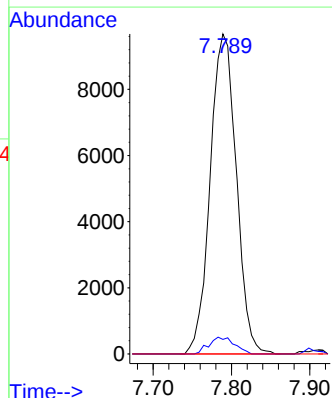
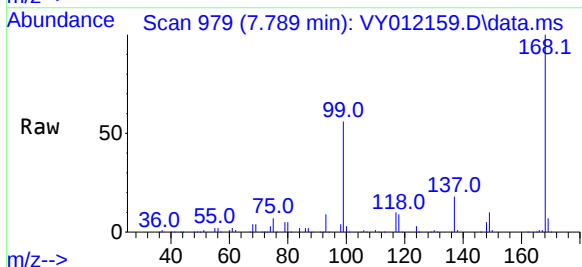
Tgt Ion: 117 Resp: 22415

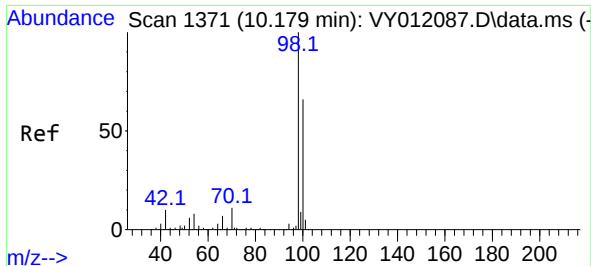
Ion Ratio Lower Upper

117 100

119 4.6 73.8 110.8#

121 0.0 25.2 37.8#

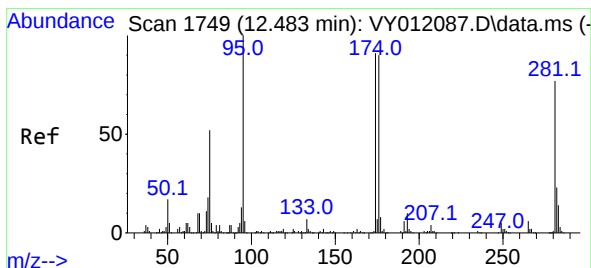
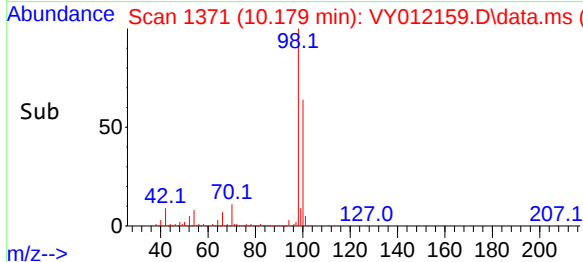
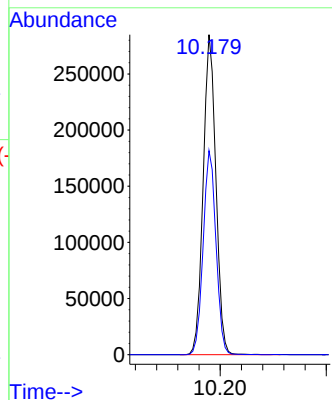
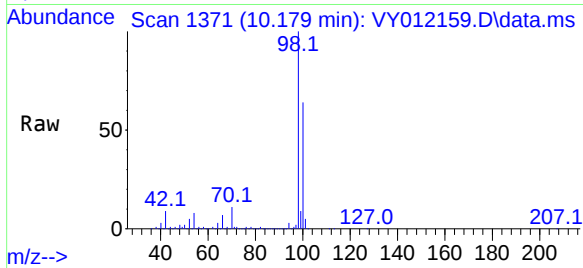




#50
Toluene-d8
Concen: 46.026 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

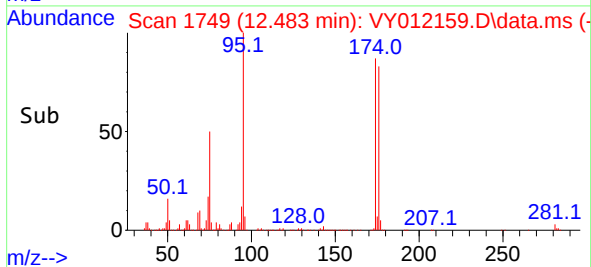
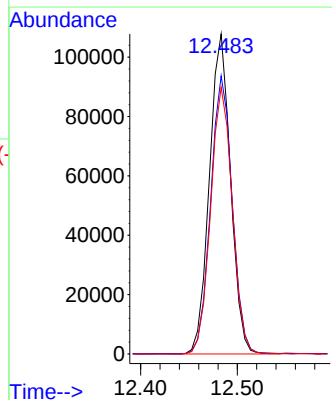
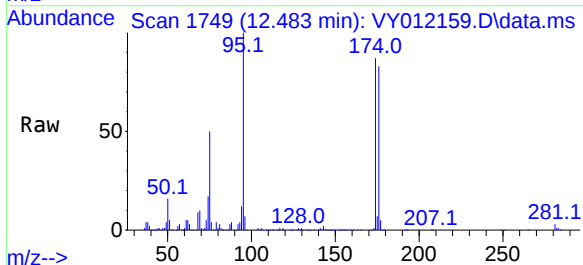
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

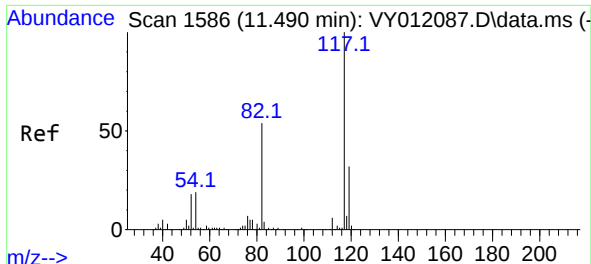
Tgt Ion: 98 Resp: 473767
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 45.562 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

Tgt Ion: 95 Resp: 163934
Ion Ratio Lower Upper
95 100
174 88.9 0.0 172.0
176 85.3 0.0 167.6

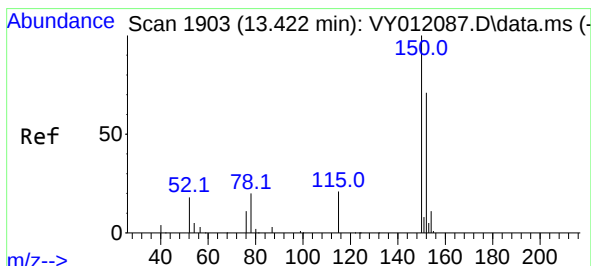
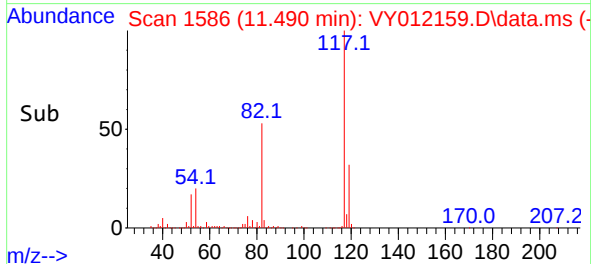
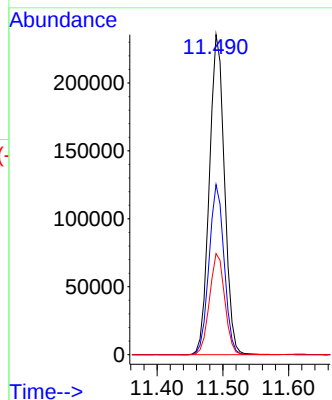
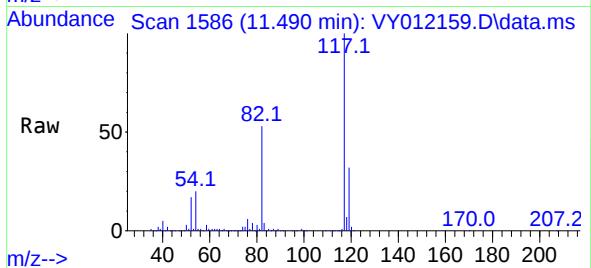




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

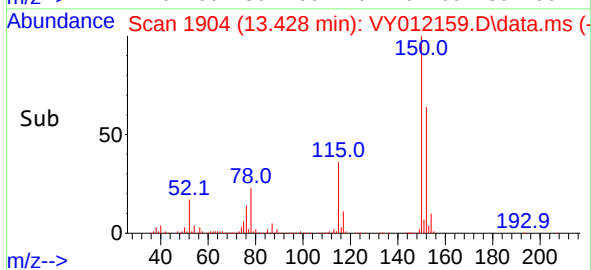
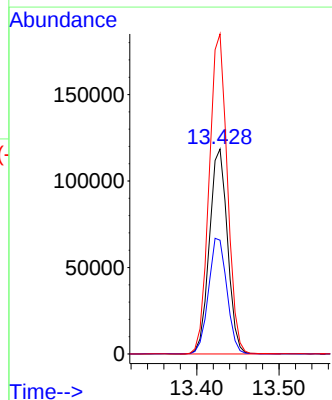
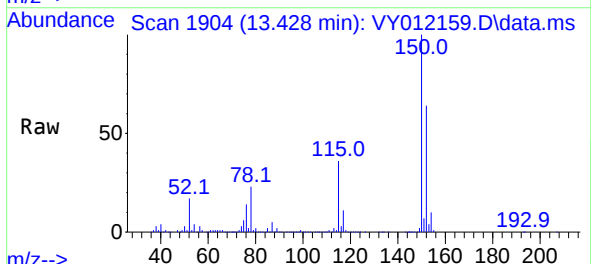
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

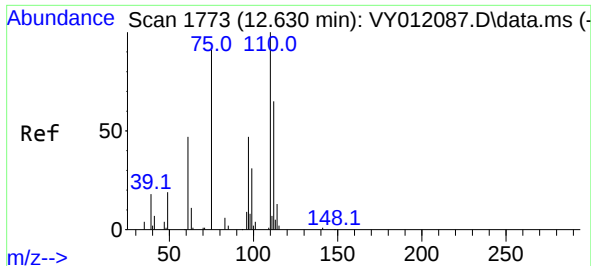
Tgt Ion:117 Resp: 377404
Ion Ratio Lower Upper
117 100
82 53.1 44.8 67.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

Tgt Ion:152 Resp: 181191
Ion Ratio Lower Upper
152 100
115 57.4 29.1 87.3
150 156.7 0.0 342.6

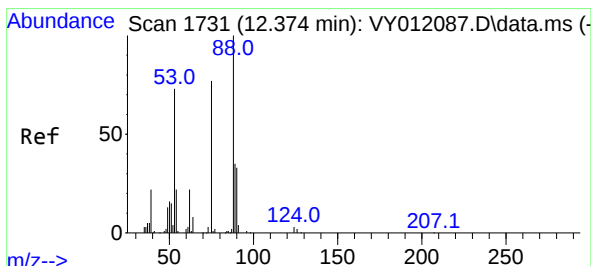
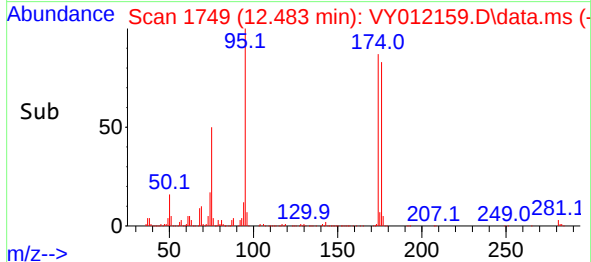
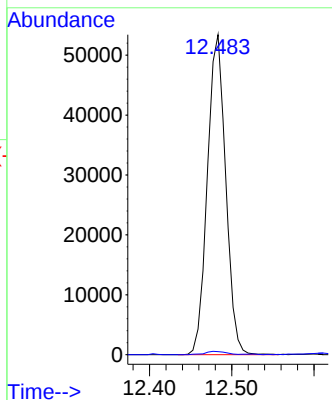
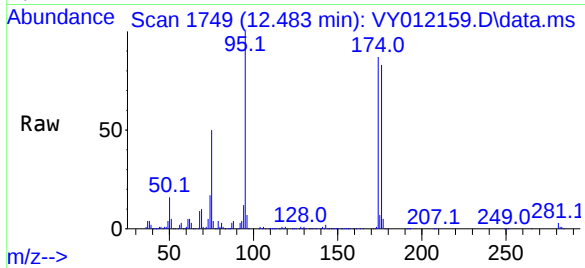




#76
1,2,3-Trichloropropane
Concen: 40.020 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 82794
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.877 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012159.D
Acq: 11 Jan 2023 13:38

Tgt Ion: 75 Resp: 82794
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.0 37.0 55.4#

