

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053023\
 Data File : VY013920.D
 Acq On : 30 May 2023 15:32
 Operator : KP/MD
 Sample : 02852-06
 Misc : 5.49g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-32-G3-SO-33-051823

Quant Time: May 31 03:26:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

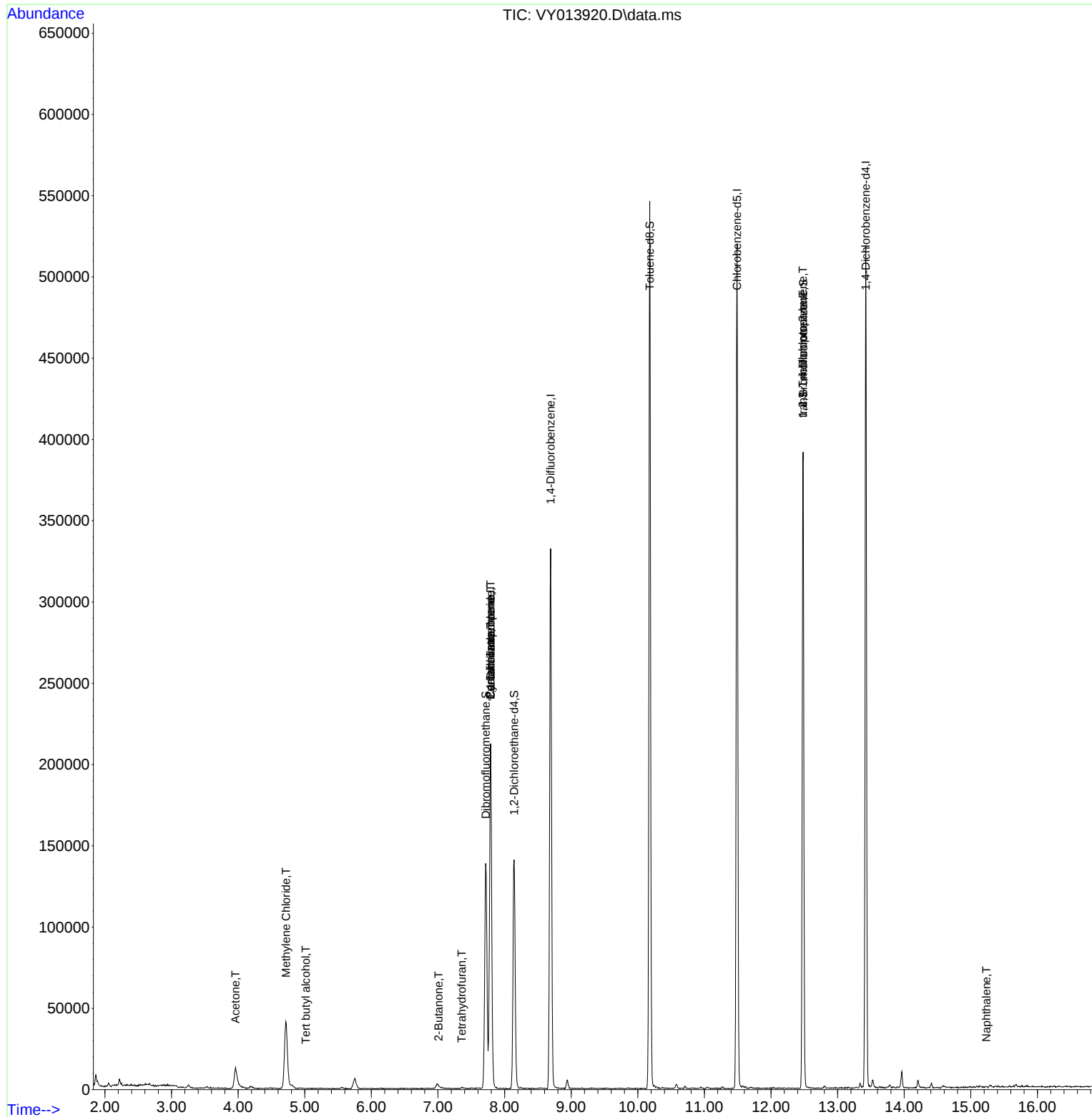
Internal Standards						
1) Pentafluorobenzene	7.789	168	161591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	275842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	276421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	128390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	118992	63.651	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 127.300%		
35) Dibromofluoromethane	7.716	113	94727	53.176	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 106.360%		
50) Toluene-d8	10.179	98	343031	50.665	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 101.340%		
62) 4-Bromofluorobenzene	12.483	95	111606	49.591	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 99.180%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.015	59	149	1.040	ug/l #	73
16) Acetone	3.960	43	27675	49.878	ug/l	99
20) Methylene Chloride	4.716	84	29610	13.181	ug/l	95
25) 2-Butanone	7.009	43	2197	3.245	ug/l #	82
29) Tetrahydrofuran	7.356	42	680	1.682	ug/l #	73
31) Cyclohexane	7.789	56	3784	1.317	ug/l #	7
36) 1,1-Dichloropropene	7.789	75	12102	4.460	ug/l #	51
38) Carbon Tetrachloride	7.789	117	15729	5.097	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	61638	40.715	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61638	88.379	ug/l #	10
95) Naphthalene	15.233	128	551	4.640	ug/l #	68

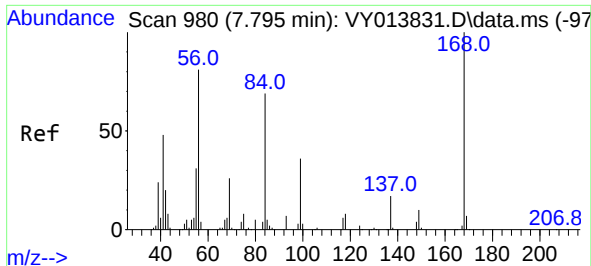
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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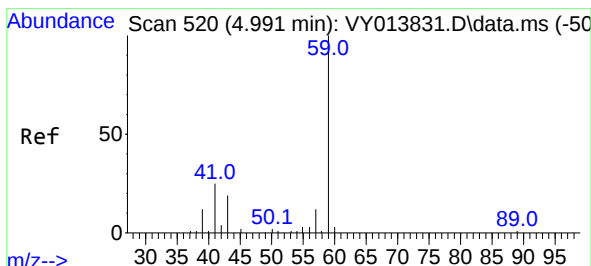
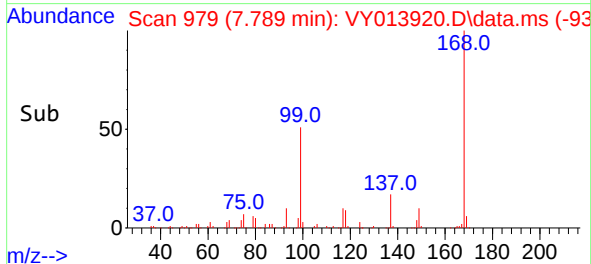
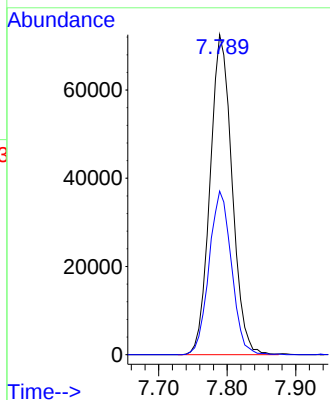
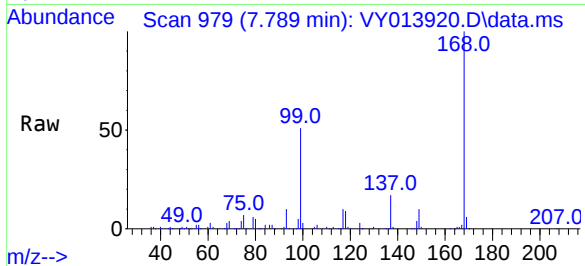




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013920.D
Acq: 30 May 2023 15:32

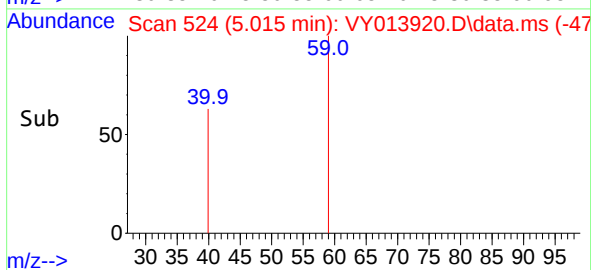
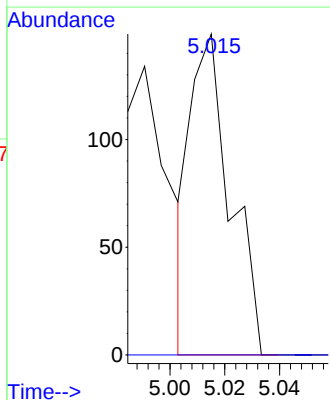
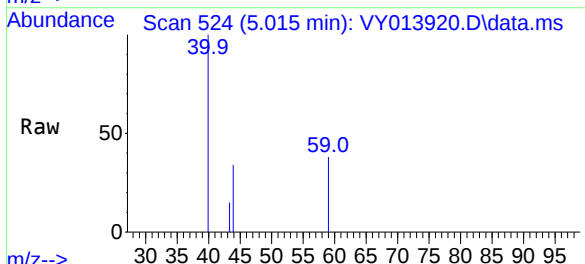
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-33-051823

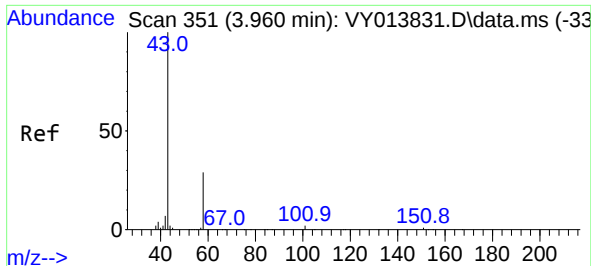
Tgt Ion:168 Resp: 161591
Ion Ratio Lower Upper
168 100
99 51.1 43.4 65.2



#11
Tert butyl alcohol
Concen: 1.040 ug/l
RT: 5.015 min Scan# 524
Delta R.T. 0.024 min
Lab File: VY013920.D
Acq: 30 May 2023 15:32

Tgt Ion: 59 Resp: 149
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

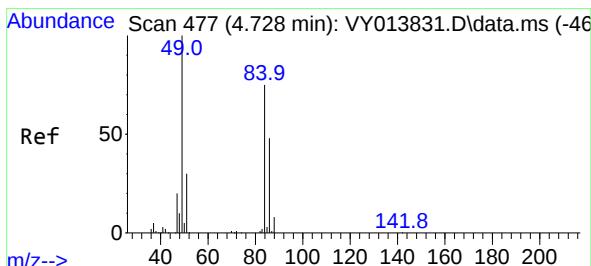
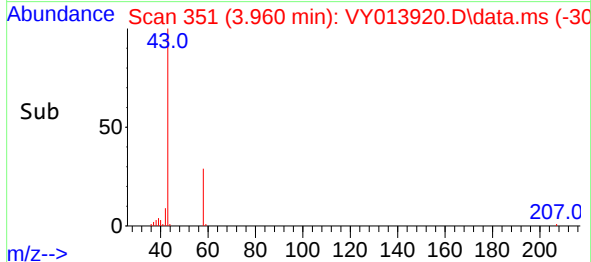
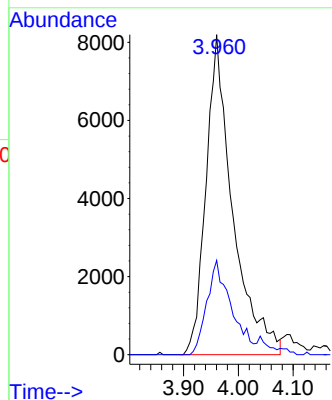
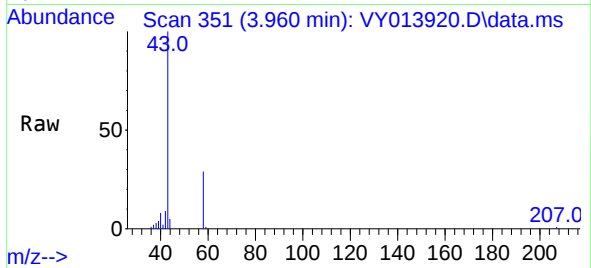




#16
Acetone
Concen: 49.878 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY013920.D
Acq: 30 May 2023 15:32

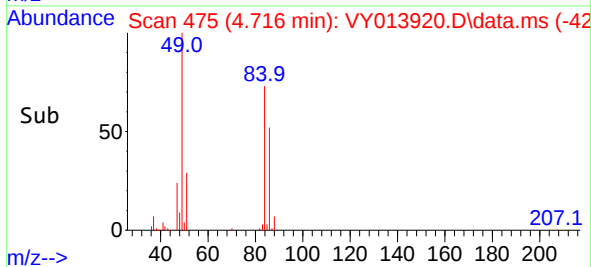
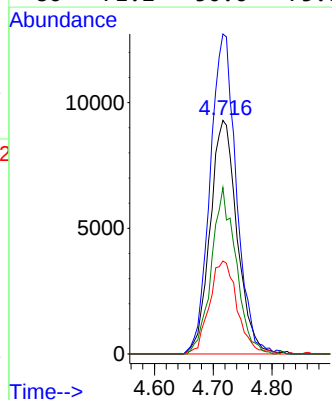
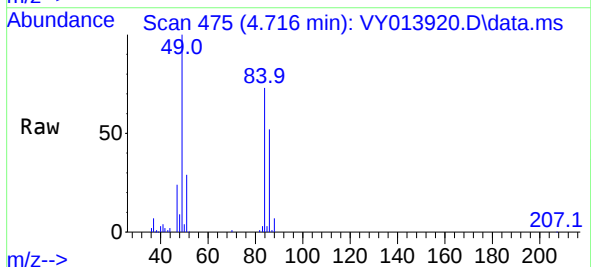
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-33-051823

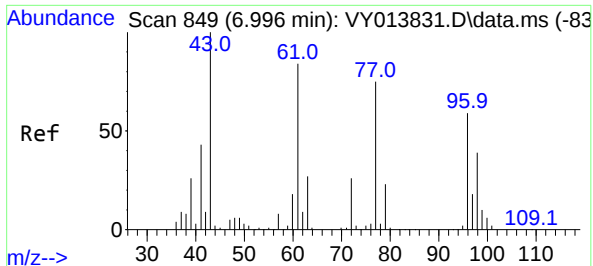
Tgt Ion: 43 Resp: 27675
Ion Ratio Lower Upper
43 100
58 29.4 23.3 34.9



#20
Methylene Chloride
Concen: 13.181 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY013920.D
Acq: 30 May 2023 15:32

Tgt Ion: 84 Resp: 29610
Ion Ratio Lower Upper
84 100
49 137.0 106.2 159.2
51 39.8 31.4 47.0
86 71.2 50.6 75.8





#25

2-Butanone

Concen: 3.245 ug/l

RT: 7.009 min Scan# 8

Delta R.T. 0.012 min

Lab File: VY013920.D

Acq: 30 May 2023 15:32

Instrument :

MSVOA_Y

ClientSampleId :

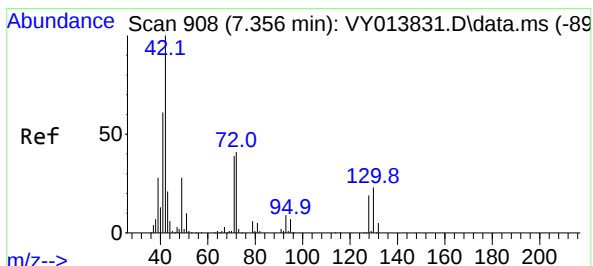
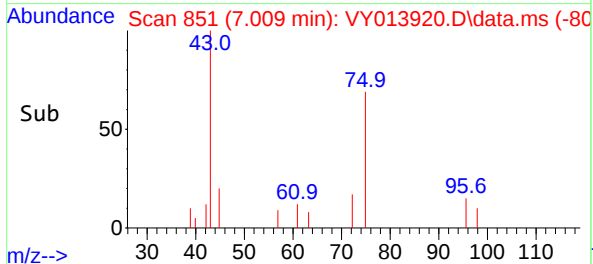
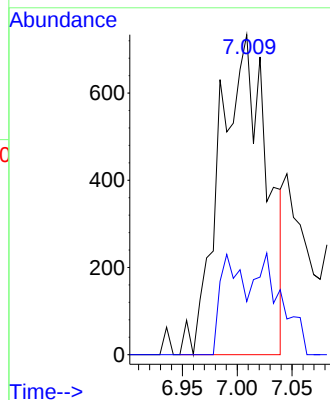
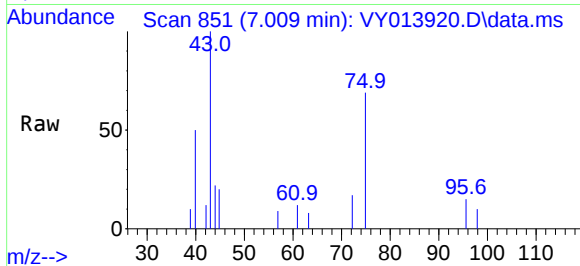
CB-32-G3-SO-33-051823

Tgt Ion: 43 Resp: 2197

Ion Ratio Lower Upper

43 100

72 16.6 20.5 30.7#



#29

Tetrahydrofuran

Concen: 1.682 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY013920.D

Acq: 30 May 2023 15:32

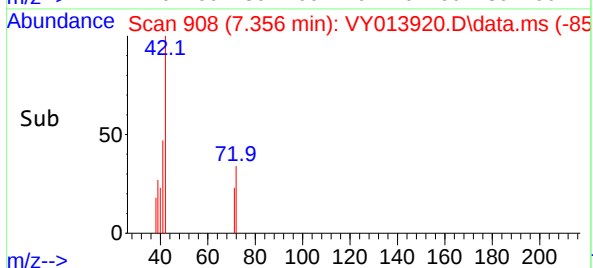
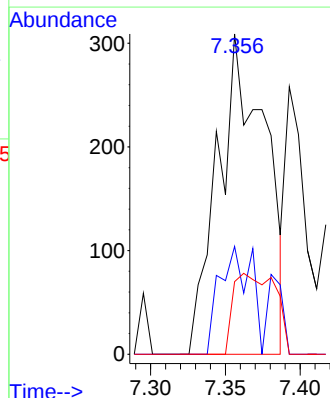
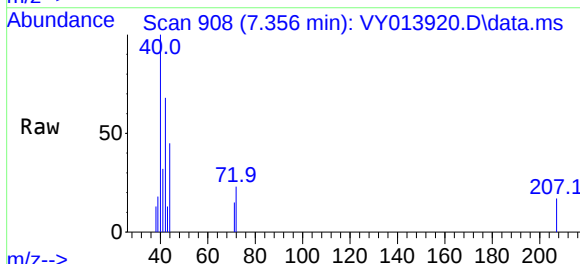
Tgt Ion: 42 Resp: 680

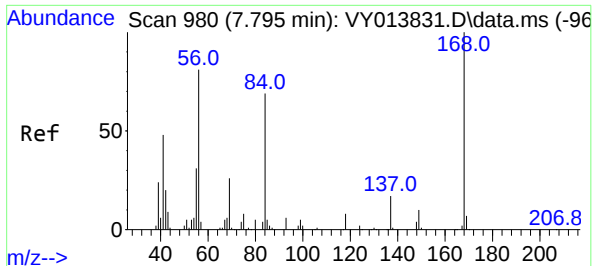
Ion Ratio Lower Upper

42 100

72 22.2 31.7 47.5#

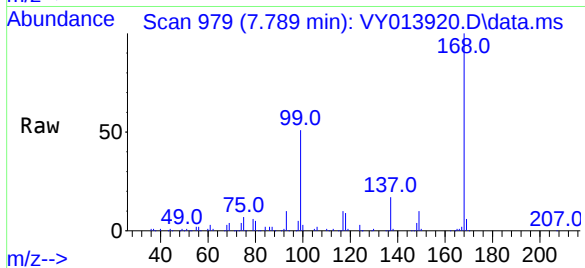
71 22.5 30.6 45.8#



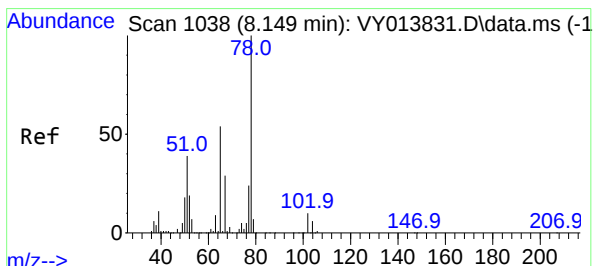
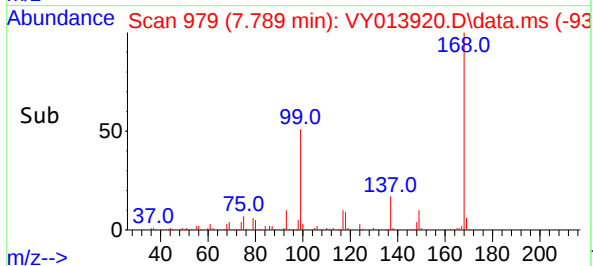
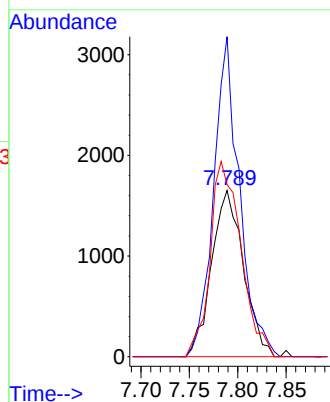


#31
Cyclohexane
Concen: 1.317 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013920.D
Acq: 30 May 2023 15:32

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-33-051823

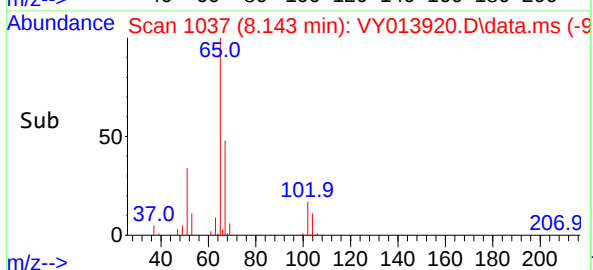
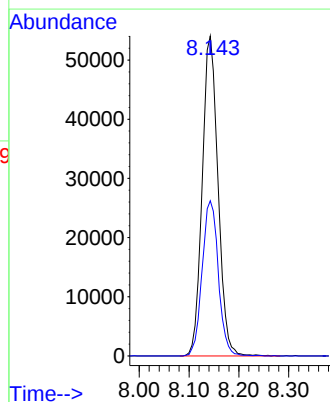
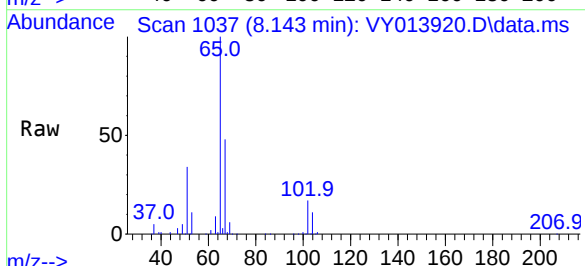


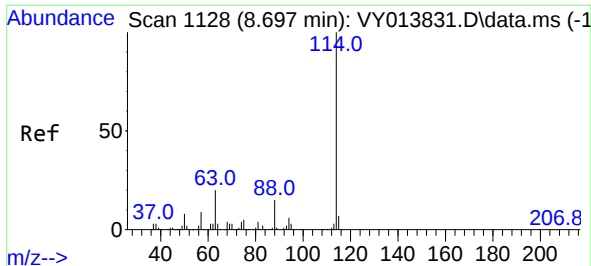
Tgt Ion: 56 Resp: 3784
Ion Ratio Lower Upper
56 100
69 192.4 25.8 38.8#
84 103.5 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 63.651 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY013920.D
Acq: 30 May 2023 15:32

Tgt Ion: 65 Resp: 118992
Ion Ratio Lower Upper
65 100
67 49.6 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY013920.D

Acq: 30 May 2023 15:32

Instrument :

MSVOA_Y

ClientSampleId :

CB-32-G3-SO-33-051823

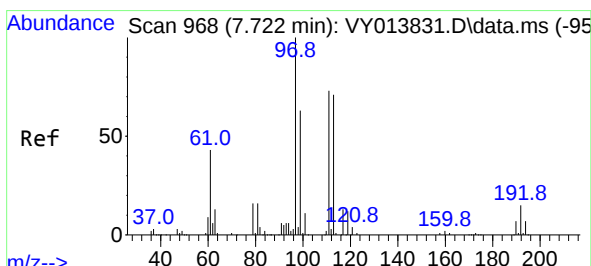
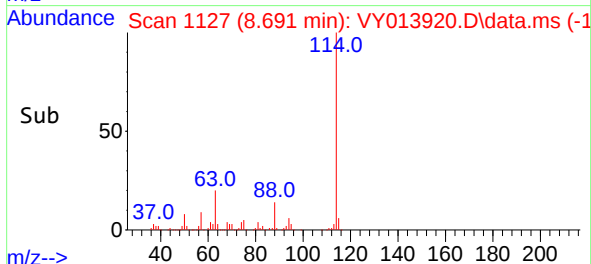
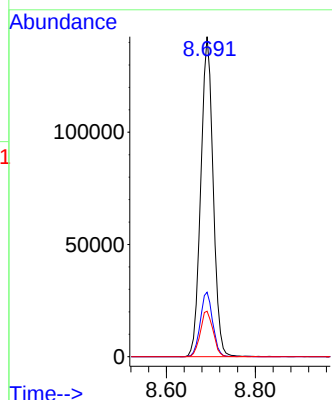
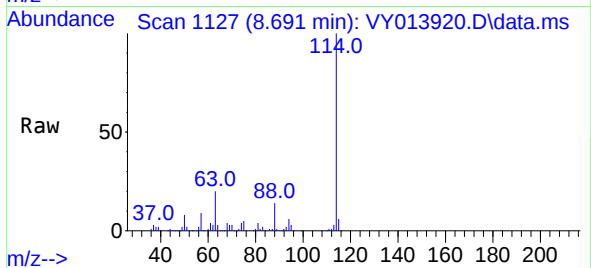
Tgt Ion:114 Resp: 275842

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 14.2 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.176 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY013920.D

Acq: 30 May 2023 15:32

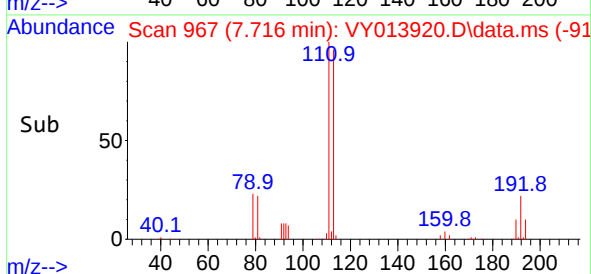
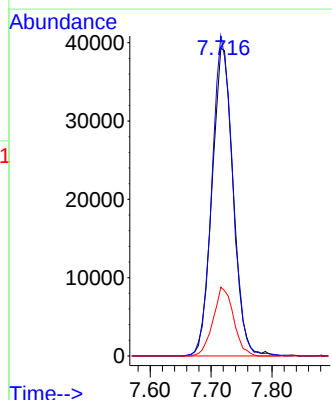
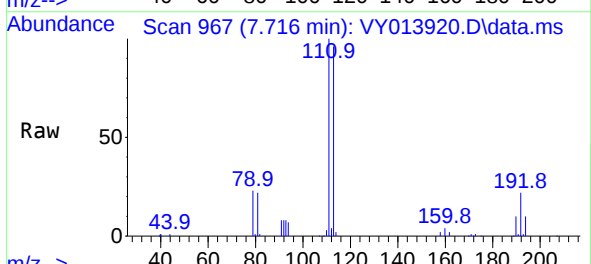
Tgt Ion:113 Resp: 94727

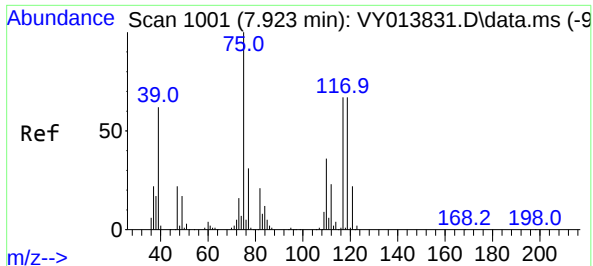
Ion Ratio Lower Upper

113 100

111 102.2 80.4 120.6

192 21.6 16.6 25.0

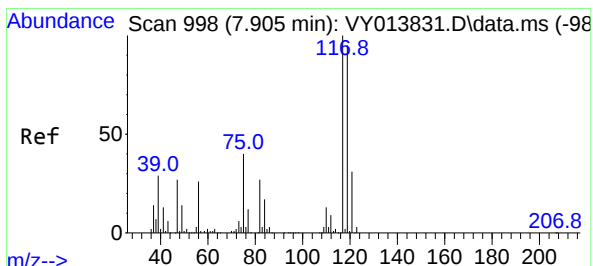
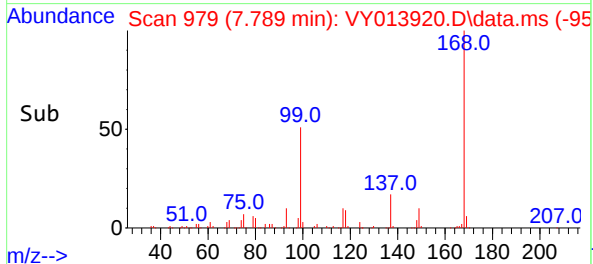
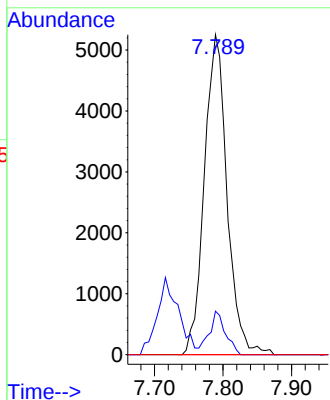
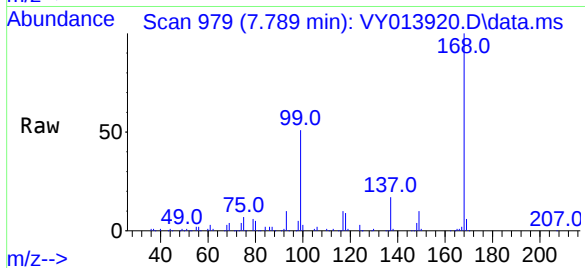




#36
1,1-Dichloropropene
Concen: 4.460 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY013920.D
Acq: 30 May 2023 15:32

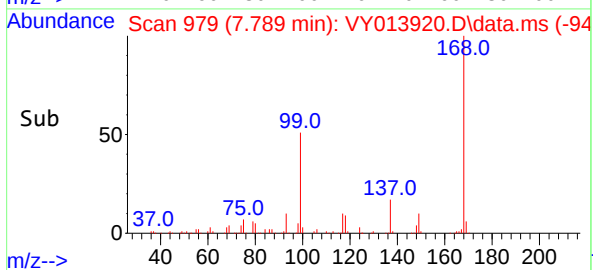
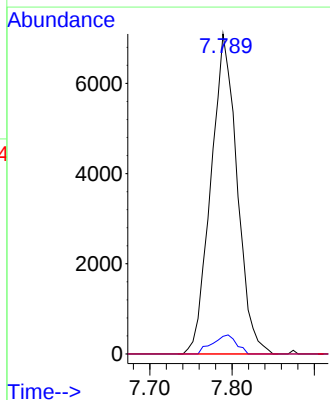
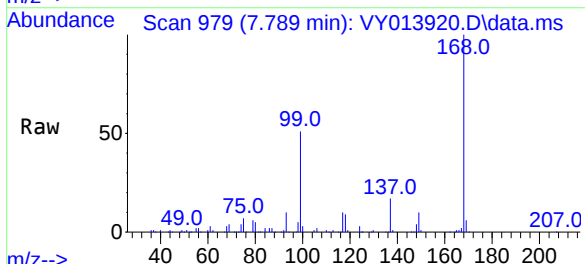
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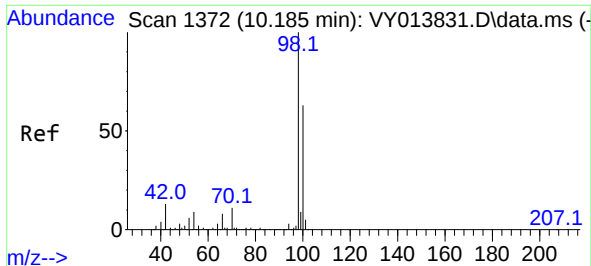
Tgt Ion: 75 Resp: 12102
Ion Ratio Lower Upper
75 100
110 9.6 17.5 52.6#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.097 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY013920.D
Acq: 30 May 2023 15:32

Tgt Ion: 117 Resp: 15729
Ion Ratio Lower Upper
117 100
119 5.5 75.6 113.4#
121 0.0 24.8 37.2#

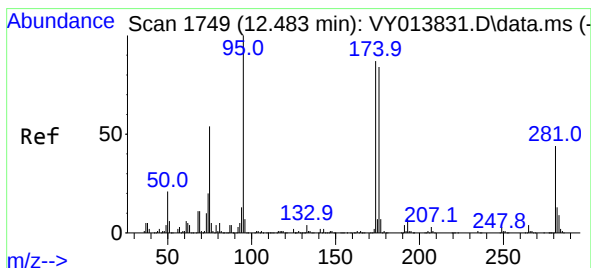
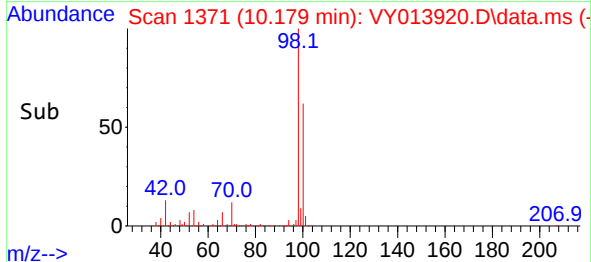
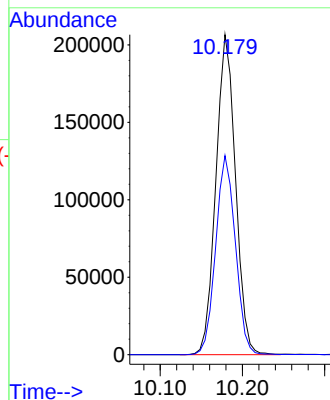
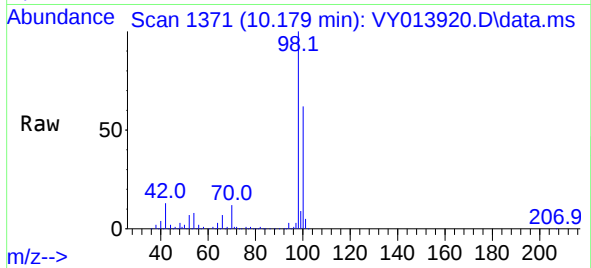




#50
Toluene-d8
Concen: 50.665 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013920.D
Acq: 30 May 2023 15:32

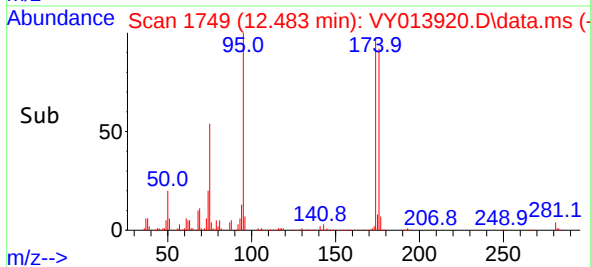
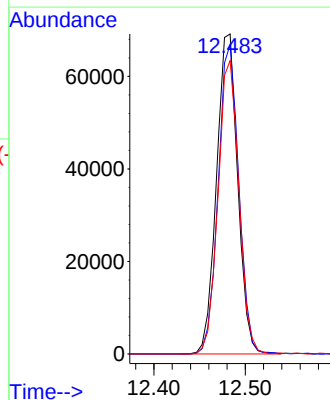
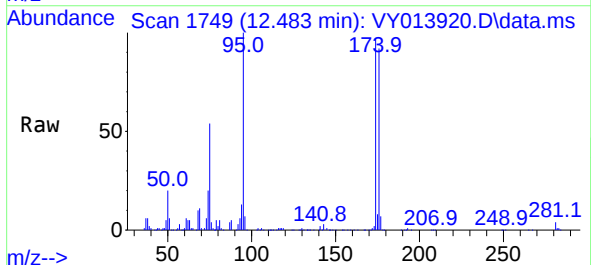
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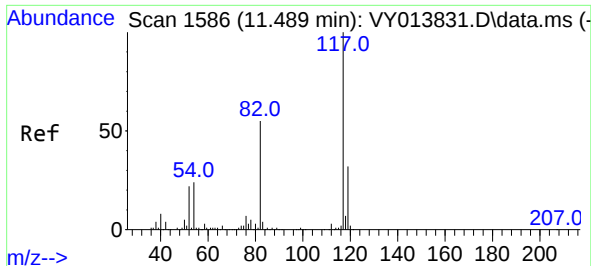
Tgt Ion: 98 Resp: 343031
Ion Ratio Lower Upper
98 100
100 62.4 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 49.591 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013920.D
Acq: 30 May 2023 15:32

Tgt Ion: 95 Resp: 111606
Ion Ratio Lower Upper
95 100
174 94.0 0.0 176.0
176 90.0 0.0 170.2

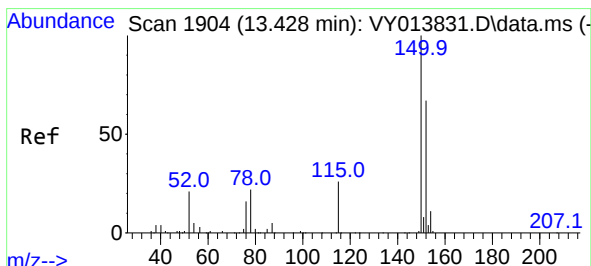
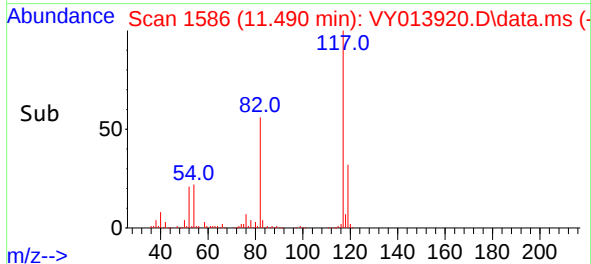
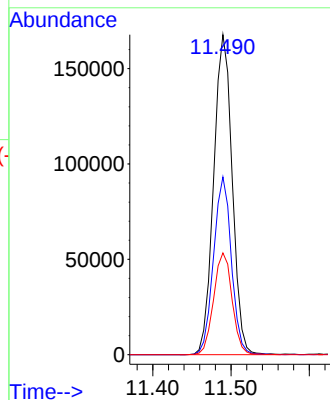
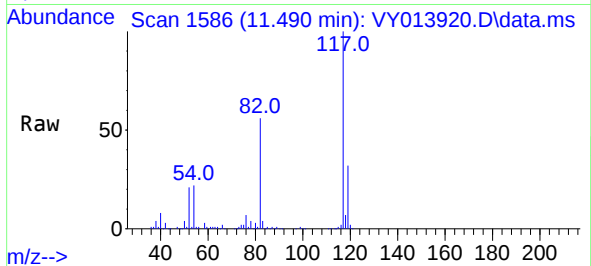




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013920.D
Acq: 30 May 2023 15:32

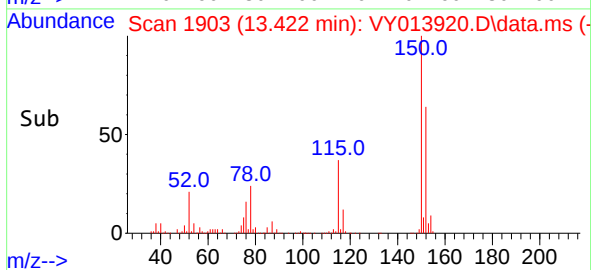
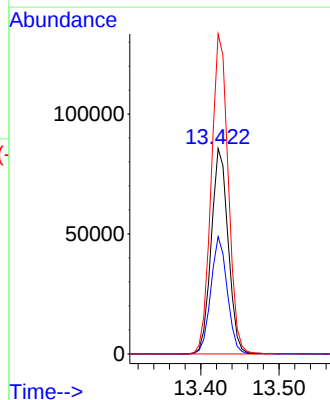
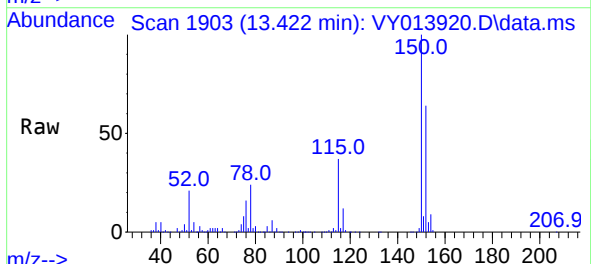
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-33-051823

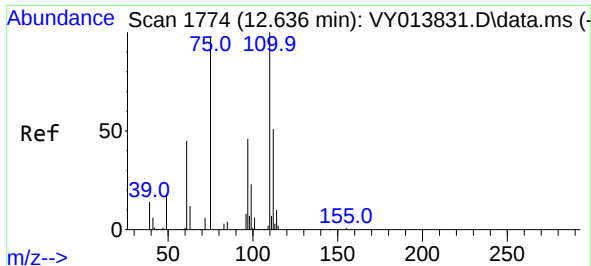
Tgt Ion:117 Resp: 276421
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.4
119 31.8 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013920.D
Acq: 30 May 2023 15:32

Tgt Ion:152 Resp: 128390
Ion Ratio Lower Upper
152 100
115 55.3 28.8 86.5
150 156.5 0.0 353.4

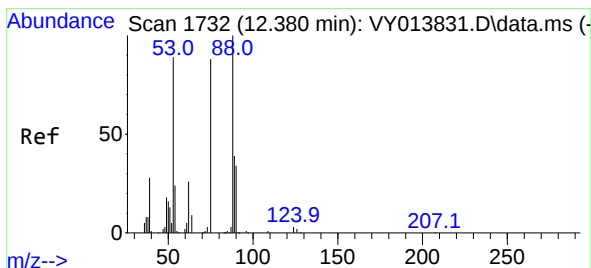
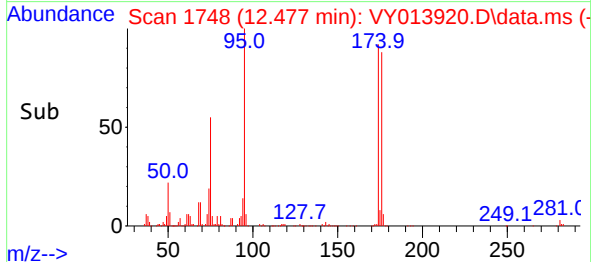
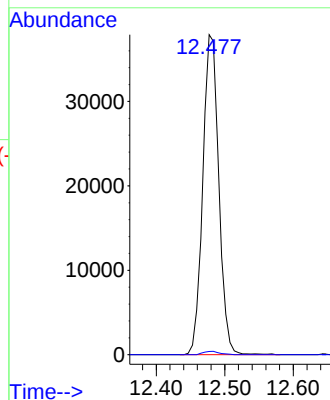
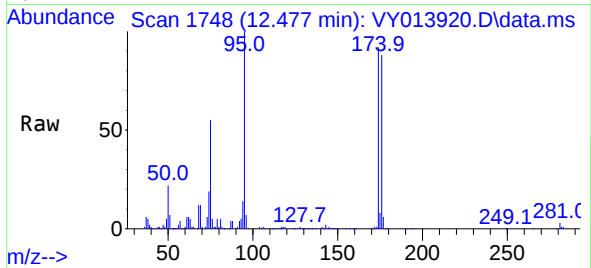




#76
1,2,3-Trichloropropane
Concen: 40.715 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY013920.D
Acq: 30 May 2023 15:32

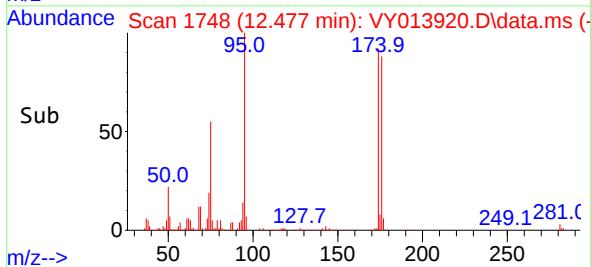
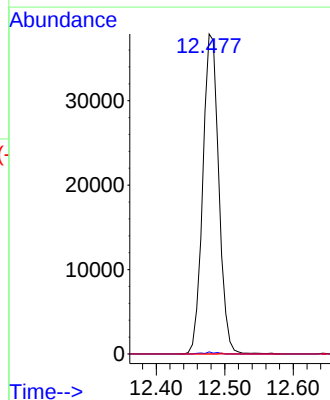
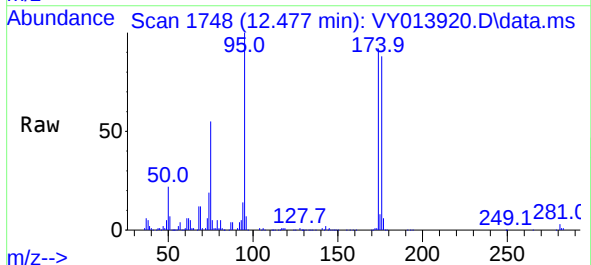
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-33-051823

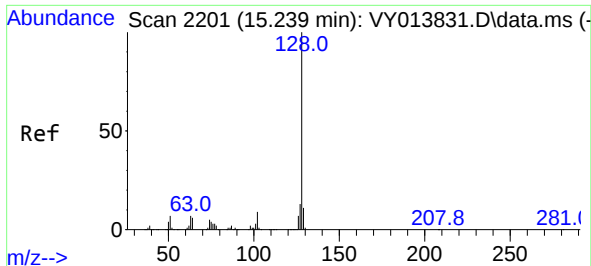
Tgt Ion: 75 Resp: 61638
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.379 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013920.D
Acq: 30 May 2023 15:32

Tgt Ion: 75 Resp: 61638
Ion Ratio Lower Upper
75 100
53 0.5 79.7 119.5#
89 0.1 36.4 54.6#





#95

Naphthalene

Concen: 4.640 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY013920.D

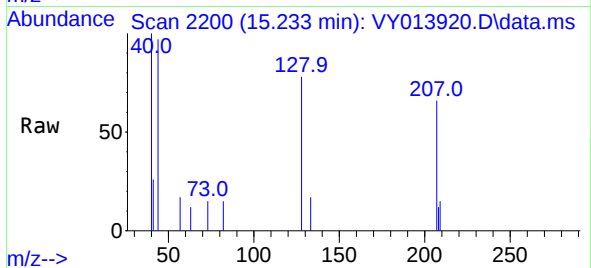
Acq: 30 May 2023 15:32

Instrument :

MSVOA_Y

ClientSampleId :

CB-32-G3-SO-33-051823



Tgt Ion:128 Resp: 551

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 9.0 13.4#

