

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013778.D
 Acq On : 17 May 2023 16:03
 Operator : KP/MD
 Sample : 02803-01RE
 Misc : 7.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-14-G1-SO-74-051523

Quant Time: May 18 07:15:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

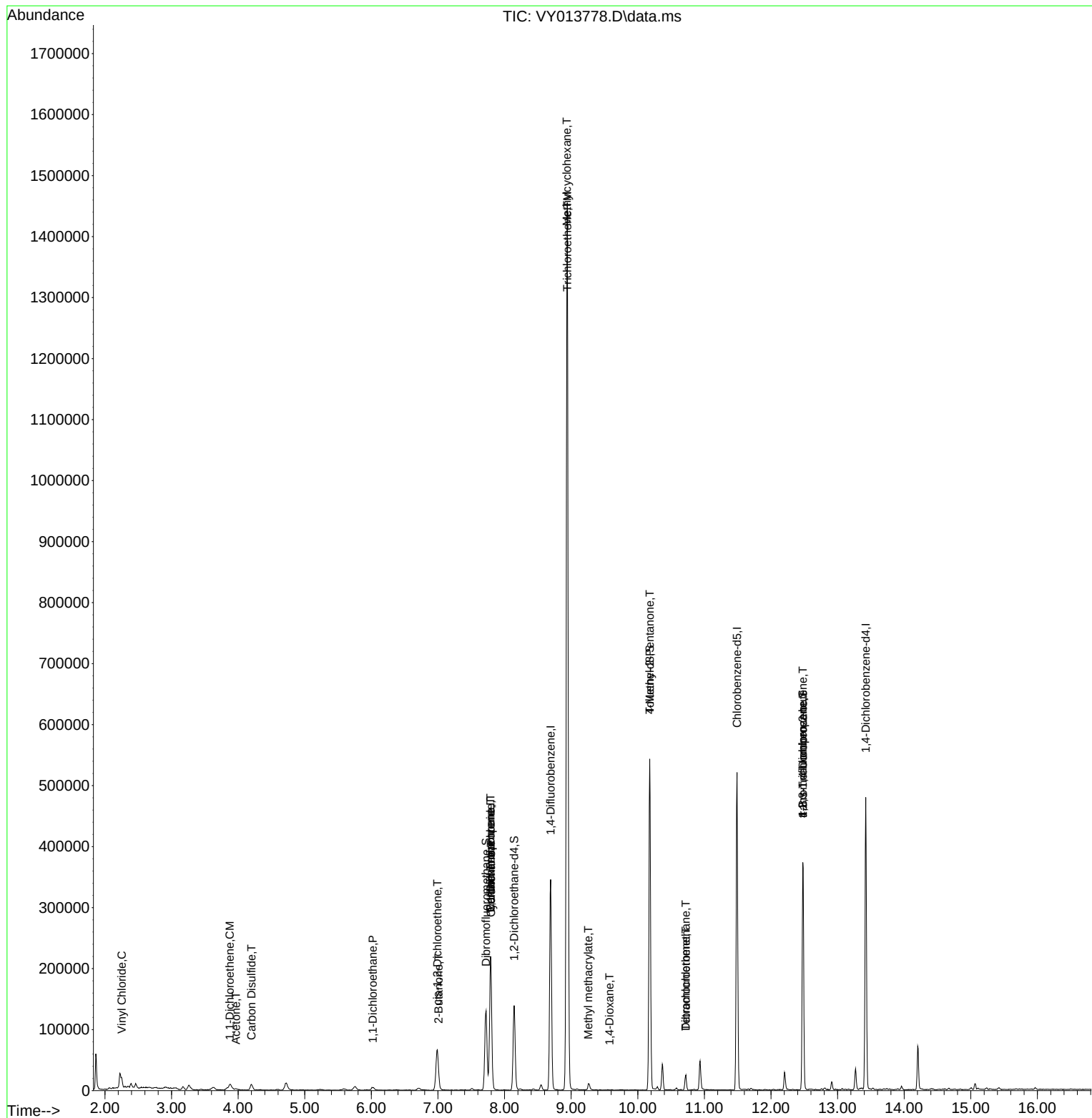
Internal Standards						
1) Pentafluorobenzene	7.789	168	163925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	281504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	263885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	113173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	106569	55.963	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.920%			
35) Dibromofluoromethane	7.722	113	91167	50.503	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.000%			
50) Toluene-d8	10.179	98	344263	50.304	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.600%			
62) 4-Bromofluorobenzene	12.477	95	110279	48.514	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.020%			
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.253	62	2245	1.260	ug/l	99
12) 1,1-Dichloroethene	3.875	96	4522	3.287	ug/l	83
16) Acetone	3.967	43	3729	6.491	ug/l	95
17) Carbon Disulfide	4.198	76	18199	4.604	ug/l #	92
20) Methylene Chloride	4.723	84	7947	Below Cal	#	90
24) 1,1-Dichloroethane	6.021	63	6151	1.952	ug/l	96
25) 2-Butanone	7.009	43	1466	1.963	ug/l #	61
27) cis-1,2-Dichloroethene	6.990	96	39371	21.571	ug/l	92
31) Cyclohexane	7.795	56	4480	1.641	ug/l #	46
36) 1,1-Dichloropropene	7.789	75	13258	5.316	ug/l #	50
38) Carbon Tetrachloride	7.789	117	15765	5.992	ug/l #	16
39) Methylcyclohexane	8.935	83	6379	2.250	ug/l #	1
44) Trichloroethene	8.941	130	479281	252.952	ug/l	97
48) Methyl methacrylate	9.258	41	3875	2.709	ug/l #	44
49) 1,4-Dioxane	9.575	88	20	1.461	ug/l #	20
51) 4-Methyl-2-Pentanone	10.179	43	1807	1.042	ug/l #	1
60) Dibromochloromethane	10.721	129	4091	2.225	ug/l #	11
64) Tetrachloroethene	10.721	164	5135	3.068	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	59904	43.735	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	59904	97.371	ug/l #	12

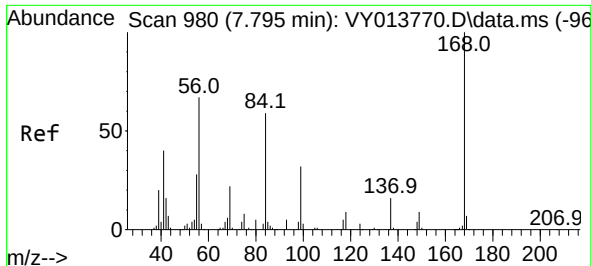
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
Data File : VY013778.D
Acq On : 17 May 2023 16:03
Operator : KP/MD
Sample : 02803-01RE
Misc : 7.10g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-74-051523

Quant Time: May 18 07:15:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
Quant Title : SW846 8260
QLast Update : Thu May 18 06:54:18 2023
Response via : Initial Calibration

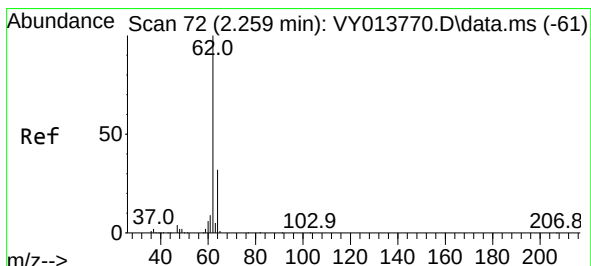
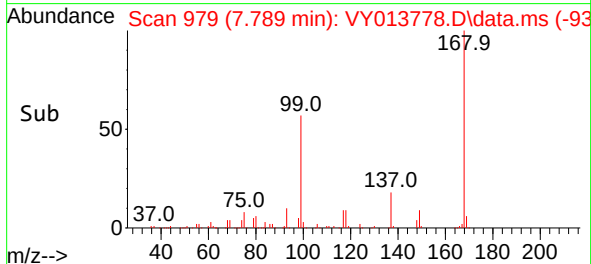
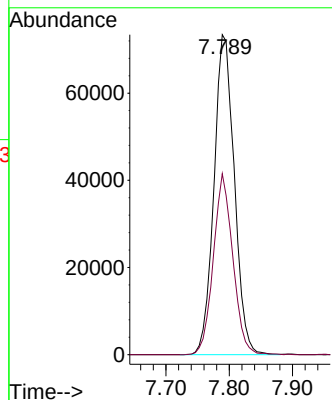
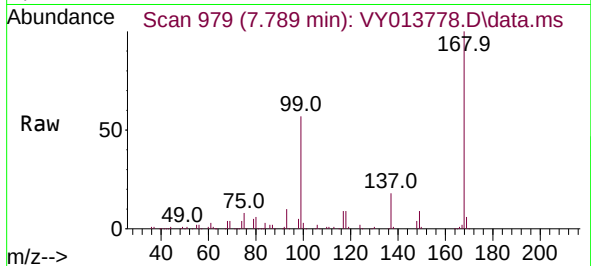




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

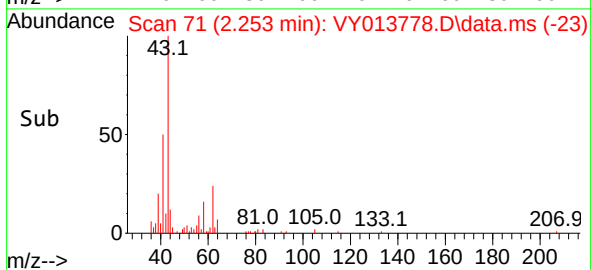
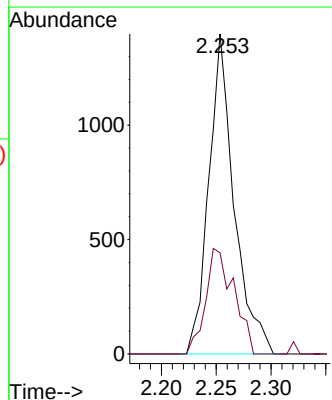
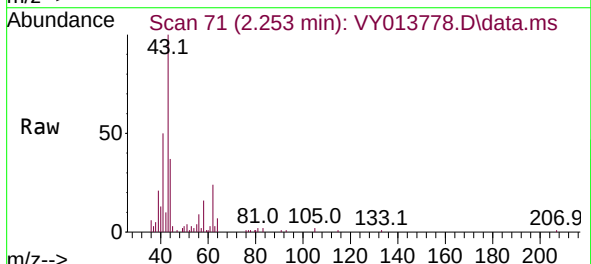
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-74-051523

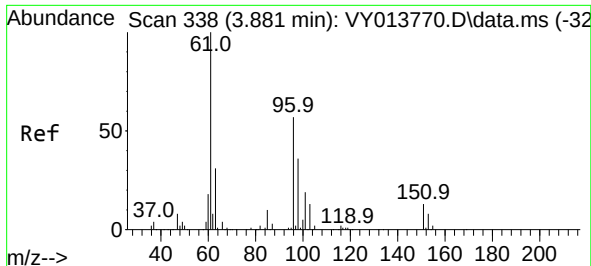
Tgt Ion:168 Resp: 163925
Ion Ratio Lower Upper
168 100
99 56.5 44.0 66.0



#4
Vinyl Chloride
Concen: 1.260 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.006 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

Tgt Ion: 62 Resp: 2245
Ion Ratio Lower Upper
62 100
64 31.6 25.8 38.6

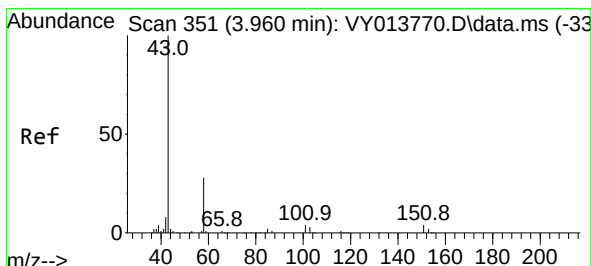
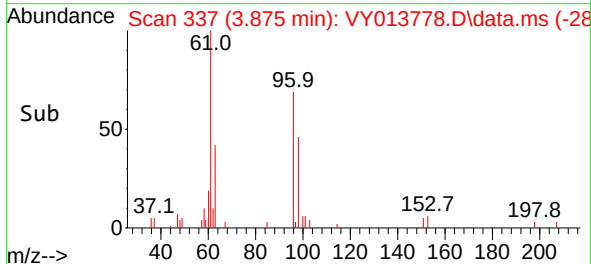
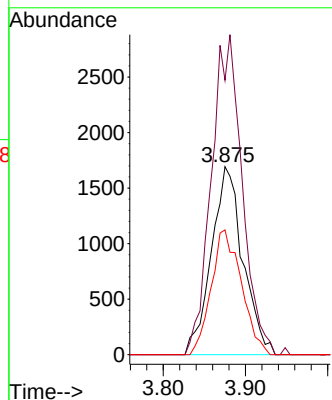
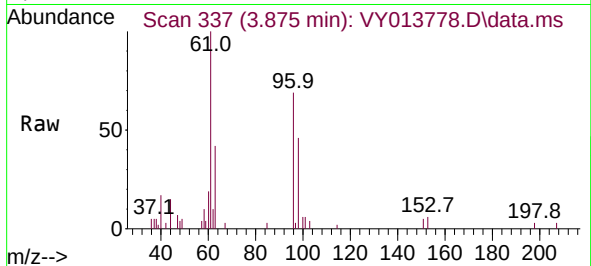




#12
1,1-Dichloroethene
Concen: 3.287 ug/l
RT: 3.875 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

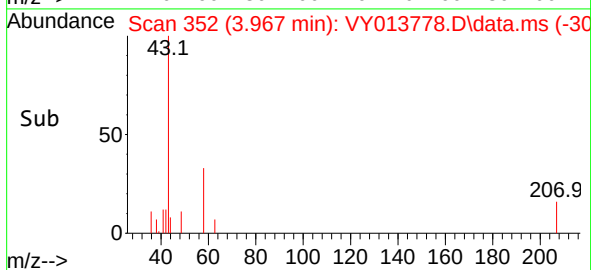
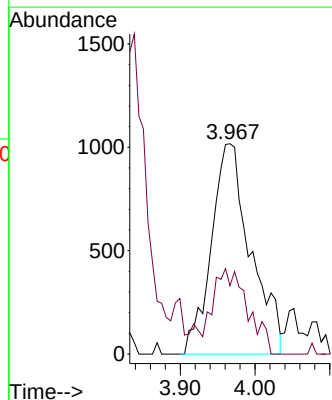
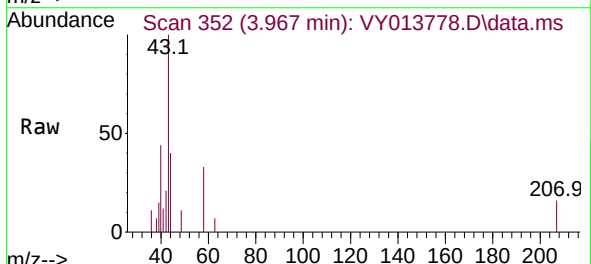
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-74-051523

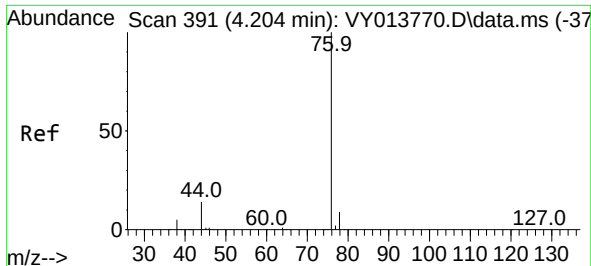
Tgt Ion: 96 Resp: 4522
Ion Ratio Lower Upper
96 100
61 145.9 139.8 209.6
98 66.4 49.7 74.5



#16
Acetone
Concen: 6.491 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

Tgt Ion: 43 Resp: 3729
Ion Ratio Lower Upper
43 100
58 32.5 23.7 35.5

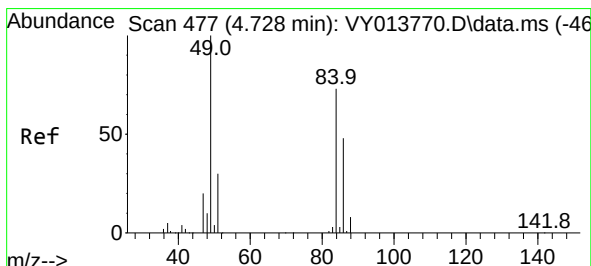
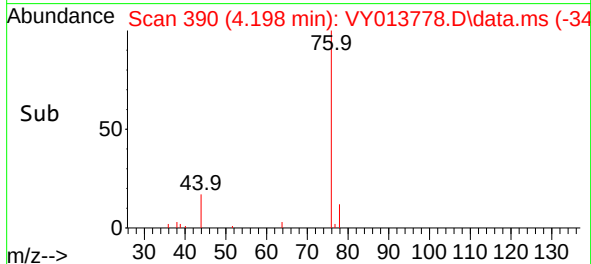
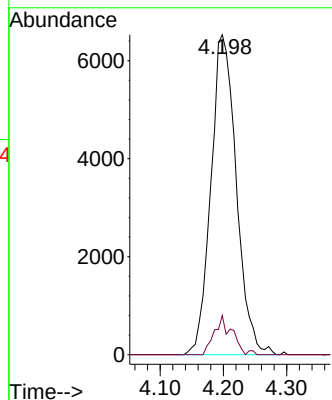
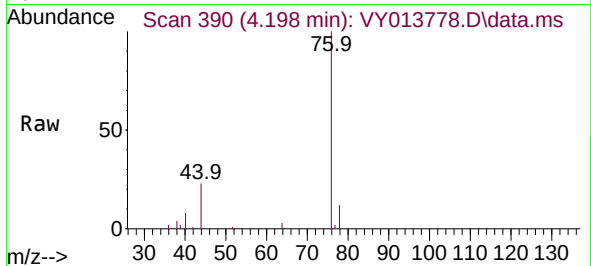




#17
Carbon Disulfide
Concen: 4.604 ug/l
RT: 4.198 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

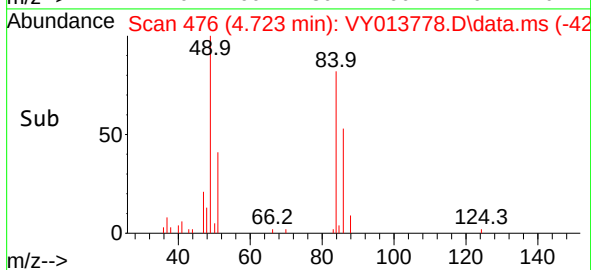
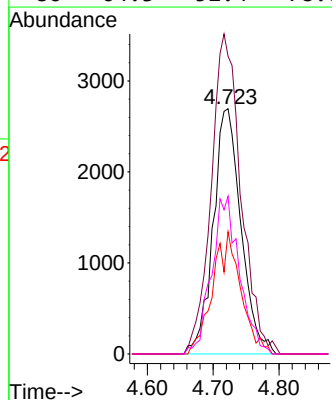
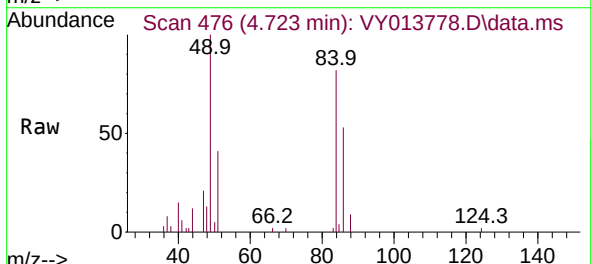
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-74-051523

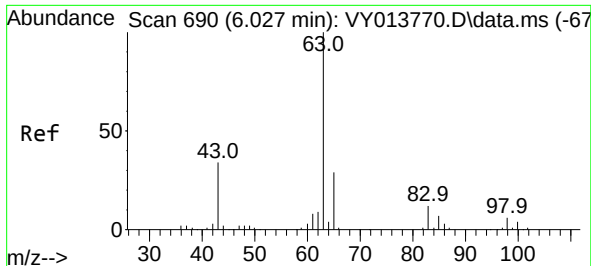
Tgt Ion: 76 Resp: 18199
Ion Ratio Lower Upper
76 100
78 12.2 7.5 11.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 476
Delta R.T. -0.005 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

Tgt Ion: 84 Resp: 7947
Ion Ratio Lower Upper
84 100
49 121.4 109.4 164.0
51 49.8 32.8 49.2#
86 64.3 52.4 78.6

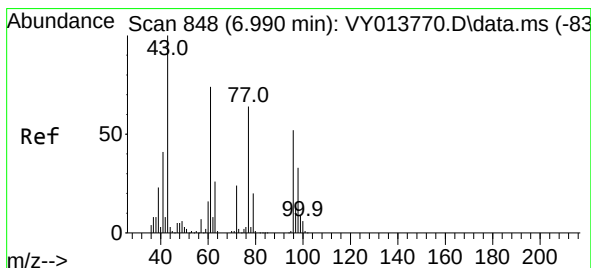
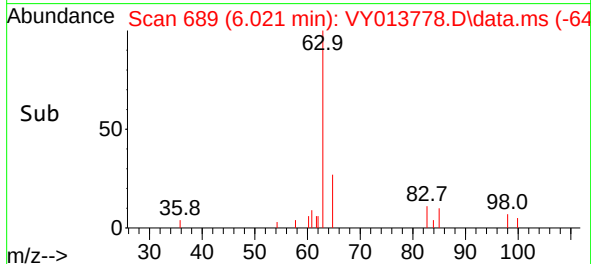
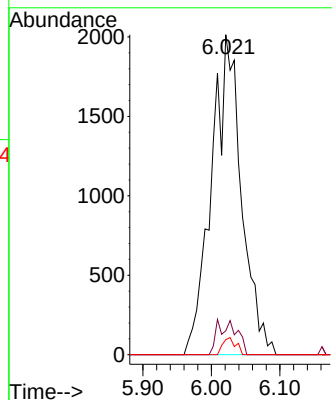
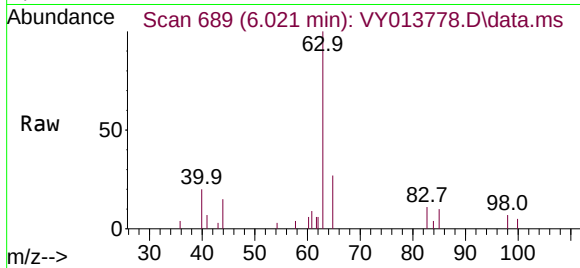




#24
1,1-Dichloroethane
Concen: 1.952 ug/l
RT: 6.021 min Scan# 61
Delta R.T. -0.006 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

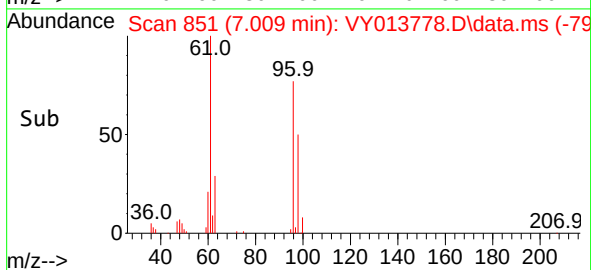
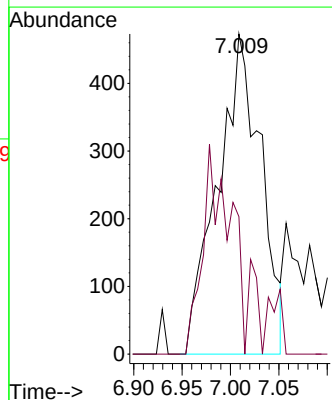
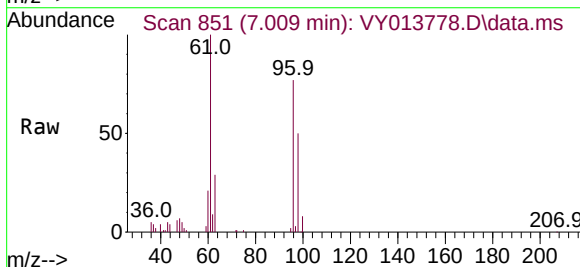
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-74-051523

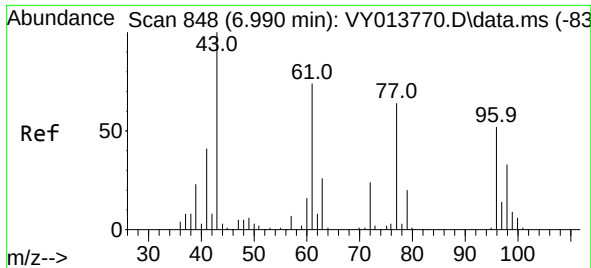
Tgt Ion: 63	Resp: 6151
Ion Ratio	Lower Upper
63 100	
98 7.5	3.0 9.0
100 4.7	2.0 6.0



#25
2-Butanone
Concen: 1.963 ug/l
RT: 7.009 min Scan# 851
Delta R.T. 0.019 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

Tgt Ion: 43	Resp: 1466
Ion Ratio	Lower Upper
43 100	
72 42.9	19.0 28.6#

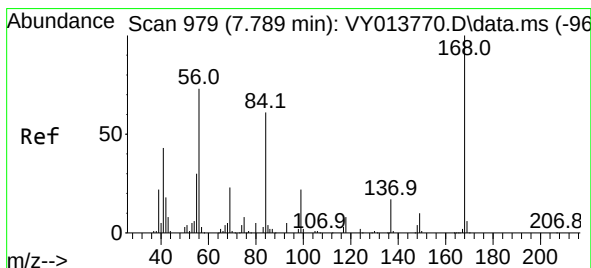
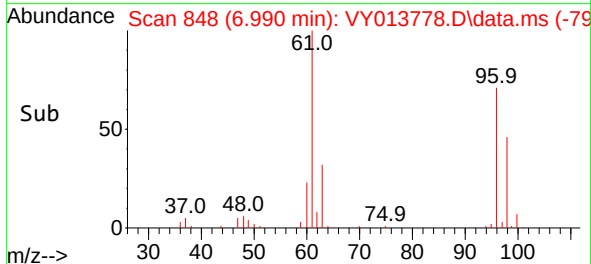
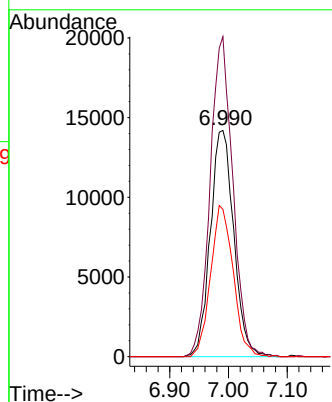
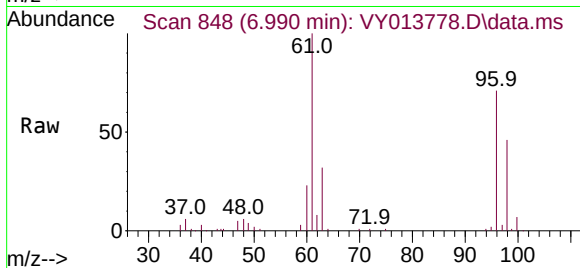




#27
 cis-1,2-Dichloroethene
 Concen: 21.571 ug/l
 RT: 6.990 min Scan# 848
 Delta R.T. 0.000 min
 Lab File: VY013778.D
 Acq: 17 May 2023 16:03

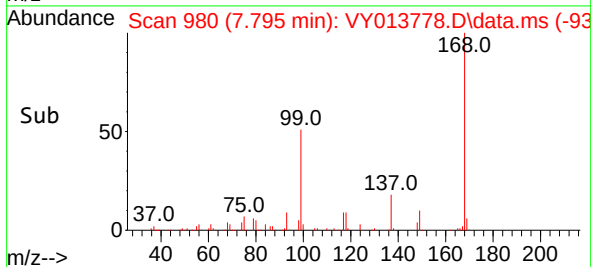
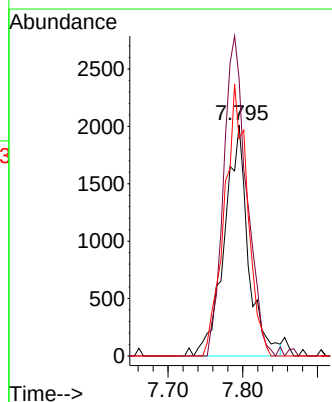
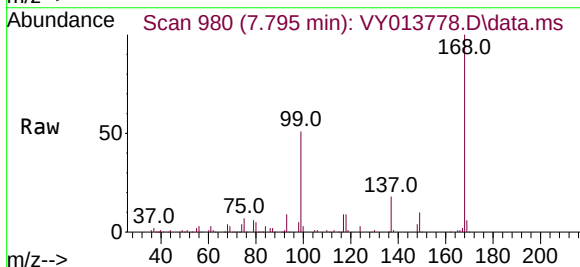
Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-14-G1-SO-74-051523

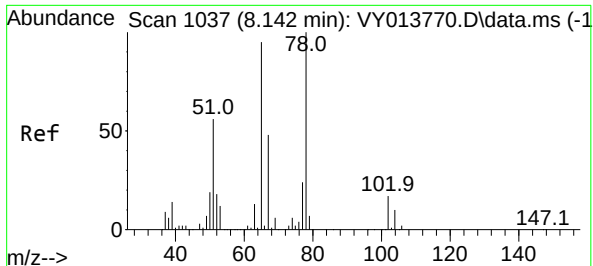
Tgt Ion:	96	Resp:	39371
Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	300.6
98	64.2	0.0	127.8



#31
 Cyclohexane
 Concen: 1.641 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. 0.006 min
 Lab File: VY013778.D
 Acq: 17 May 2023 16:03

Tgt Ion:	56	Resp:	4480
Ion	Ratio	Lower	Upper
56	100		
69	120.1	25.8	38.6
84	94.2	65.8	98.6





#33

1,2-Dichloroethane-d4

Concen: 55.963 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY013778.D

Acq: 17 May 2023 16:03

Instrument :

MSVOA_Y

ClientSampleId :

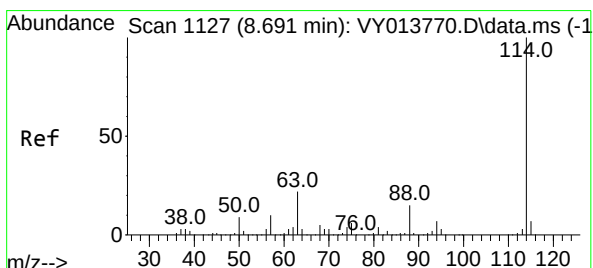
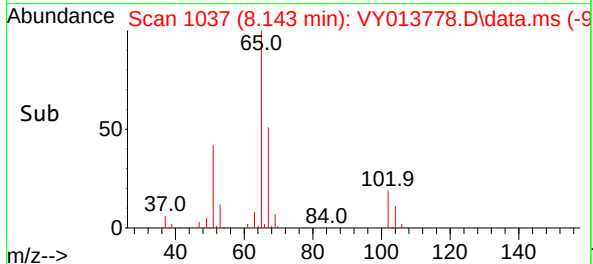
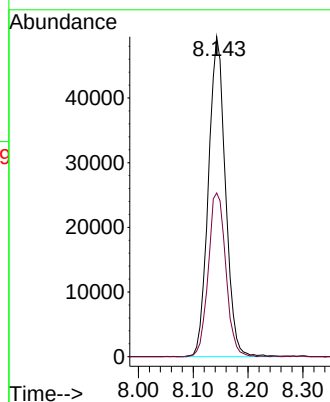
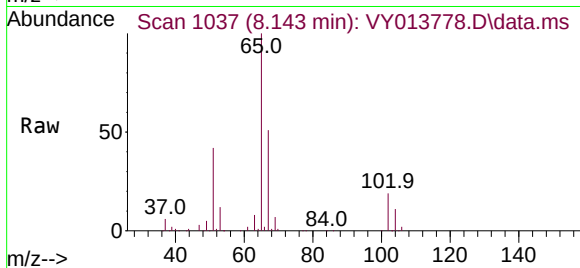
CB-14-G1-SO-74-051523

Tgt Ion: 65 Resp: 106569

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013778.D

Acq: 17 May 2023 16:03

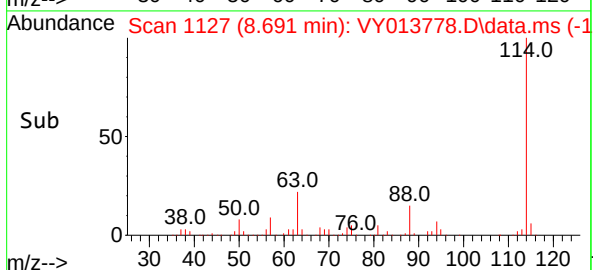
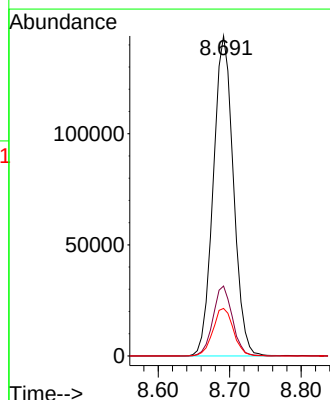
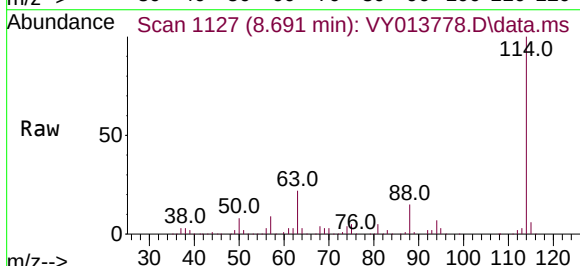
Tgt Ion: 114 Resp: 281504

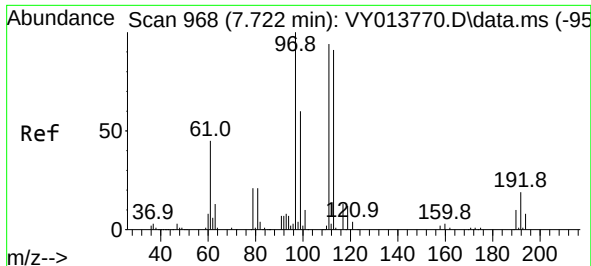
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

88 14.8 0.0 30.8

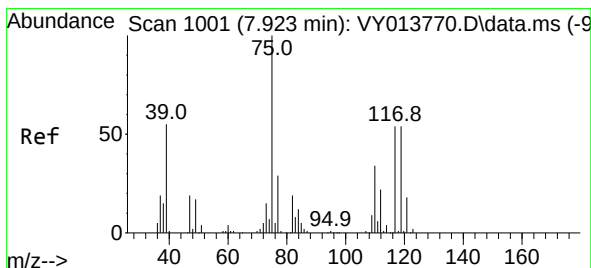
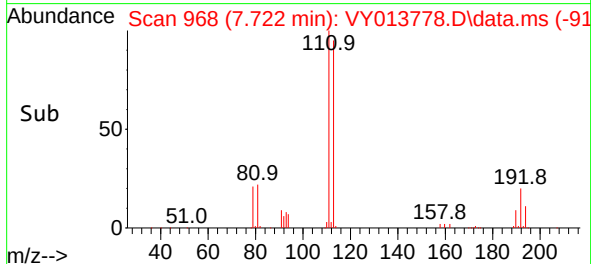
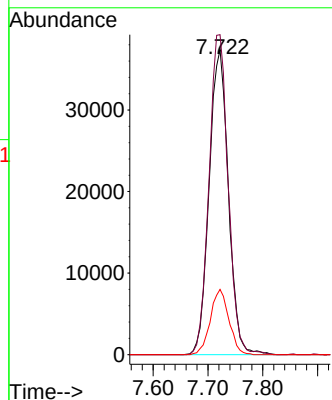
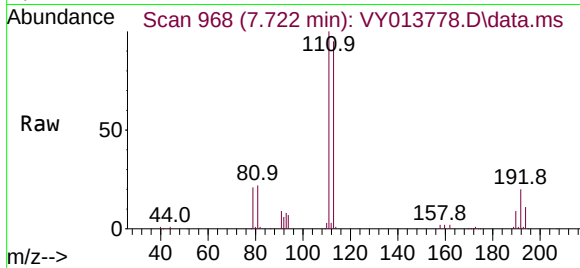




#35
Dibromofluoromethane
Concen: 50.503 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

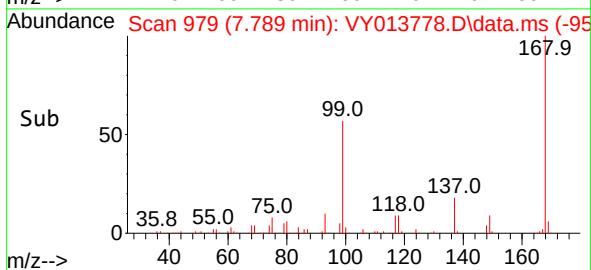
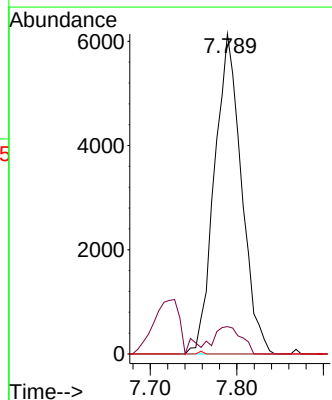
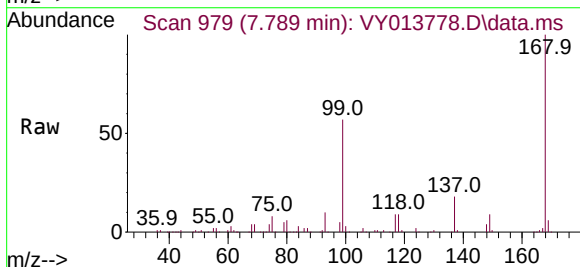
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-74-051523

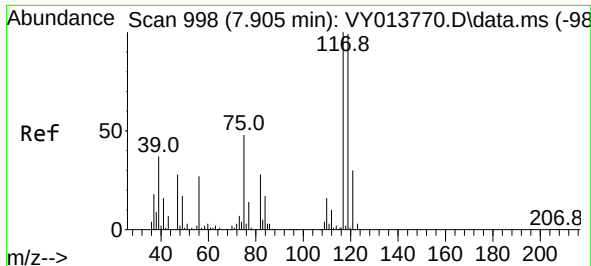
Tgt Ion:113 Resp: 91167
Ion Ratio Lower Upper
113 100
111 104.3 82.3 123.5
192 20.6 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.316 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

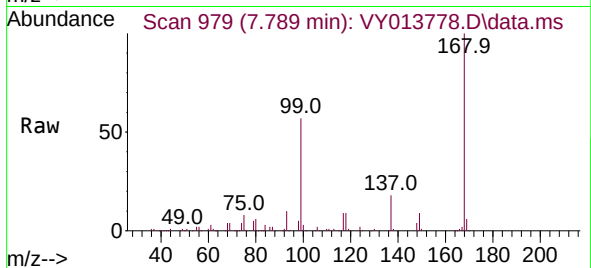
Tgt Ion: 75 Resp: 13258
Ion Ratio Lower Upper
75 100
110 9.0 17.3 51.7#
77 0.0 24.6 36.8#



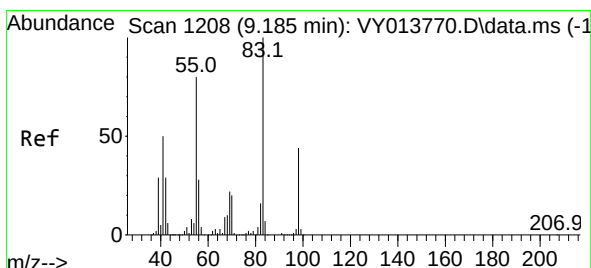
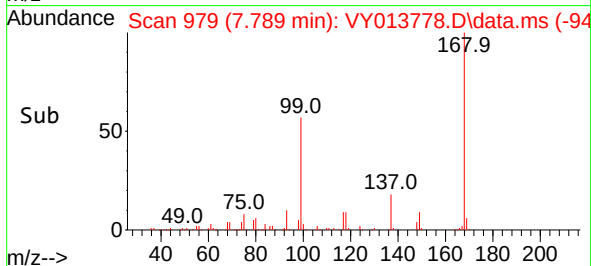
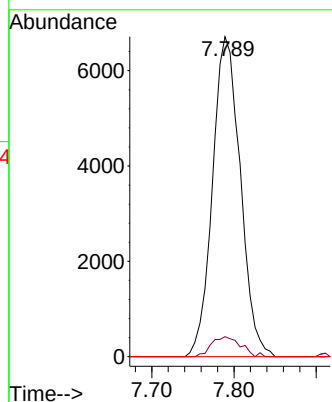


#38
Carbon Tetrachloride
Concen: 5.992 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-74-051523

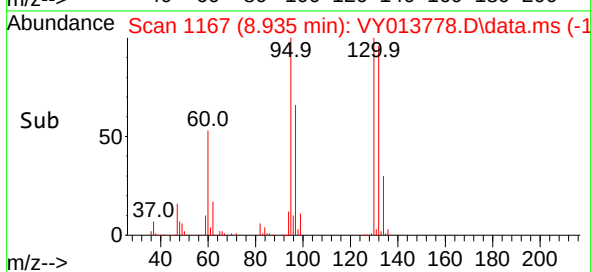
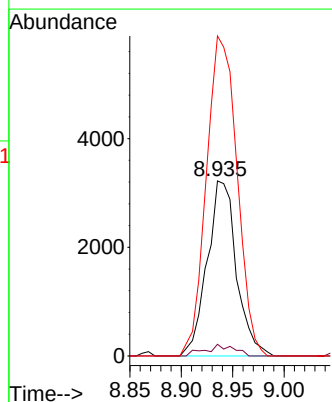
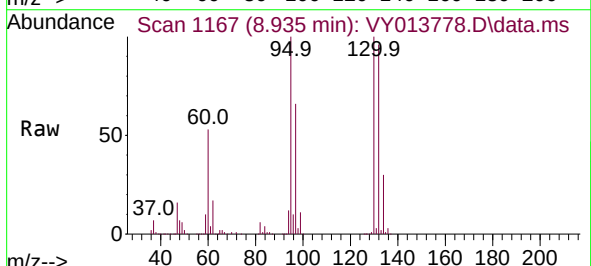


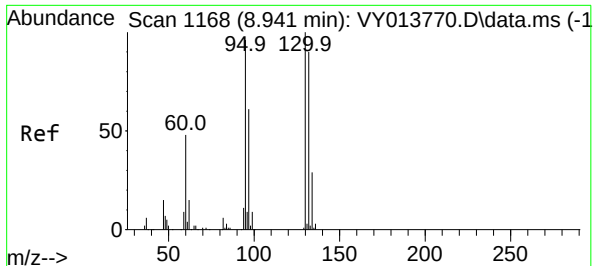
Tgt Ion: 117 Resp: 15765
Ion Ratio Lower Upper
117 100
119 6.3 79.0 118.6#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 2.250 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.250 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

Tgt Ion: 83 Resp: 6379
Ion Ratio Lower Upper
83 100
55 6.7 63.7 95.5#
98 182.8 35.0 52.6#





#44

Trichloroethene

Concen: 252.952 ug/l

RT: 8.941 min Scan# 1168

Delta R.T. 0.000 min

Lab File: VY013778.D

Acq: 17 May 2023 16:03

Instrument :

MSVOA_Y

ClientSampleId :

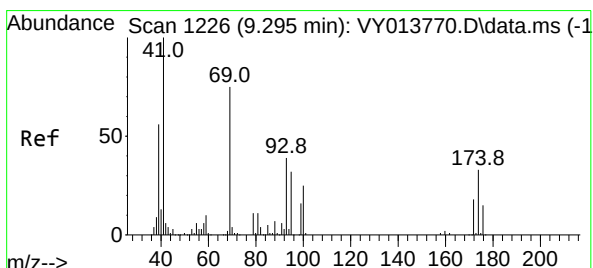
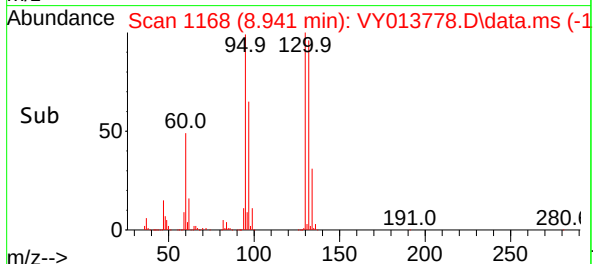
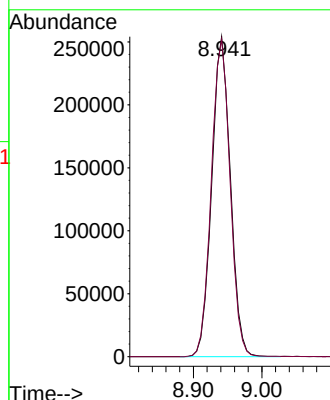
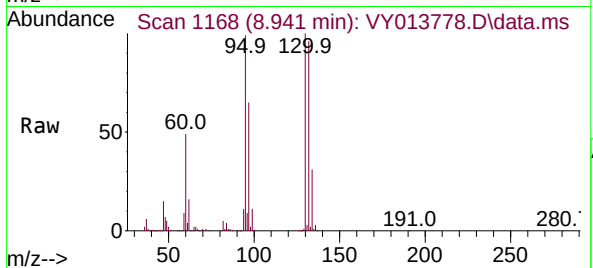
CB-14-G1-SO-74-051523

Tgt Ion:130 Resp: 479281

Ion Ratio Lower Upper

130 100

95 99.3 0.0 193.0



#48

Methyl methacrylate

Concen: 2.709 ug/l

RT: 9.258 min Scan# 1220

Delta R.T. -0.036 min

Lab File: VY013778.D

Acq: 17 May 2023 16:03

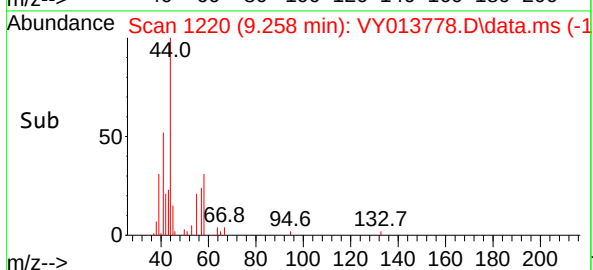
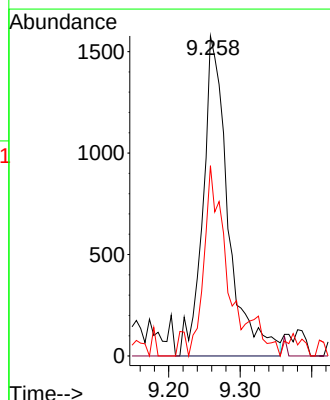
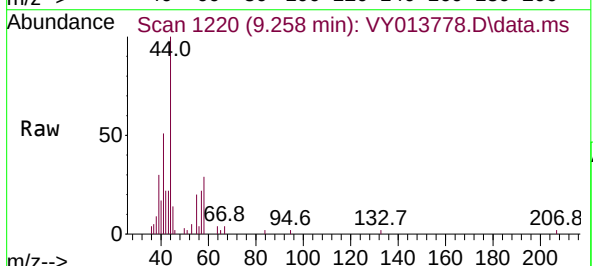
Tgt Ion: 41 Resp: 3875

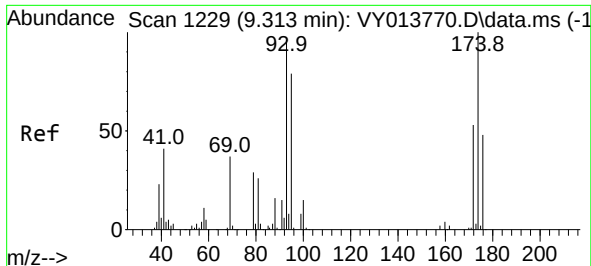
Ion Ratio Lower Upper

41 100

69 0.0 63.0 94.6

39 50.0 46.2 69.2





#49

1,4-Dioxane

Concen: 1.461 ug/l

RT: 9.575 min Scan# 11

Delta R.T. 0.262 min

Lab File: VY013778.D

Acq: 17 May 2023 16:03

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-74-051523

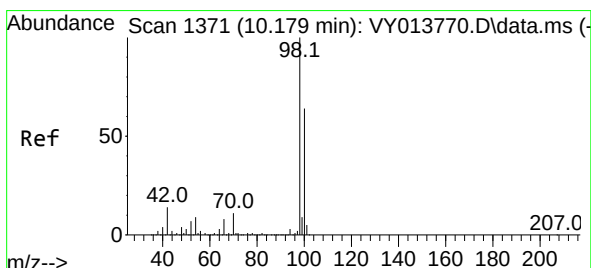
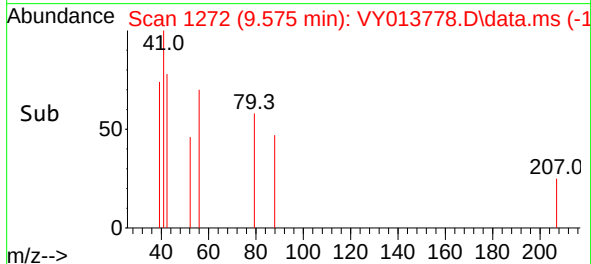
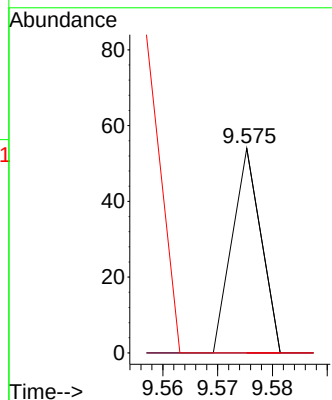
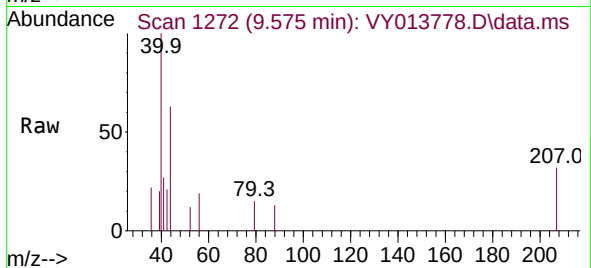
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 26.1 39.1#

58 0.0 62.2 93.2#



#50

Toluene-d8

Concen: 50.304 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY013778.D

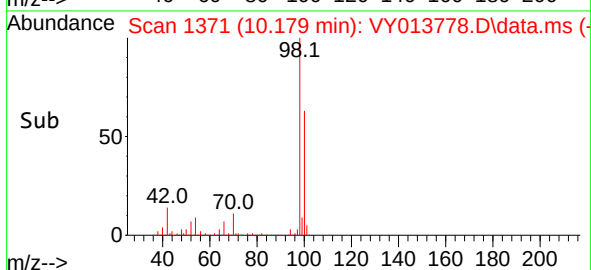
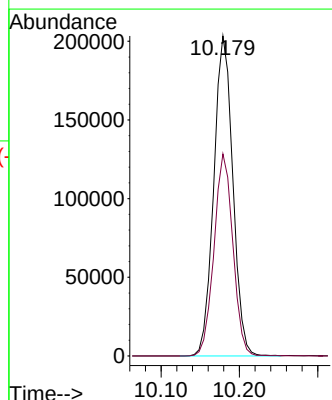
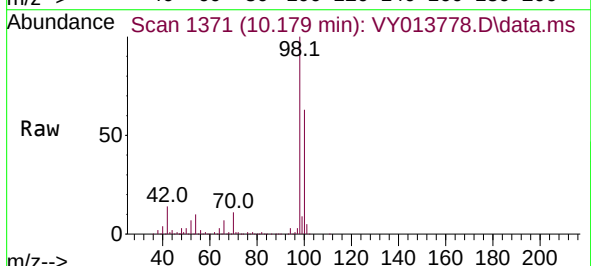
Acq: 17 May 2023 16:03

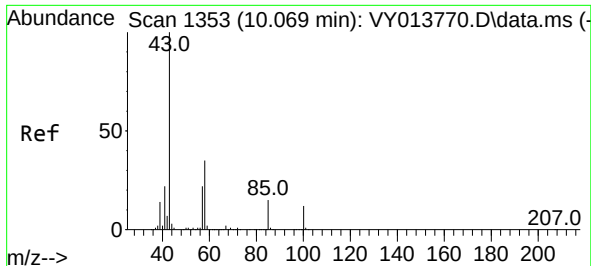
Tgt Ion: 98 Resp: 344263

Ion Ratio Lower Upper

98 100

100 62.4 51.0 76.6

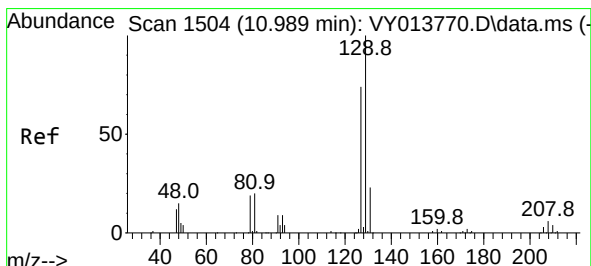
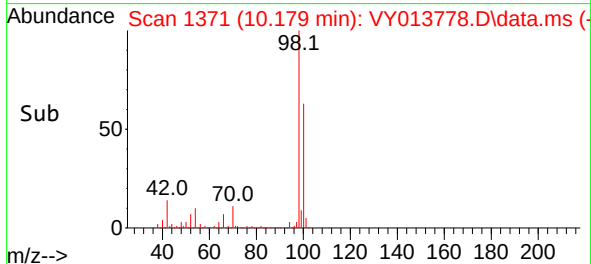
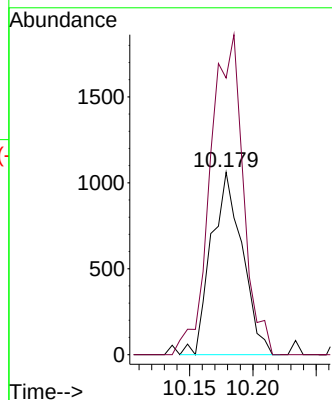
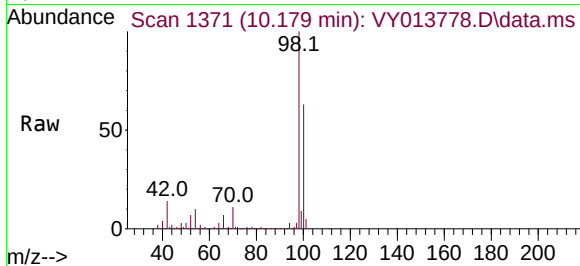




#51
4-Methyl-2-Pentanone
Concen: 1.042 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

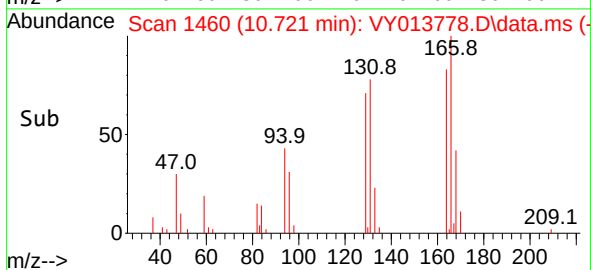
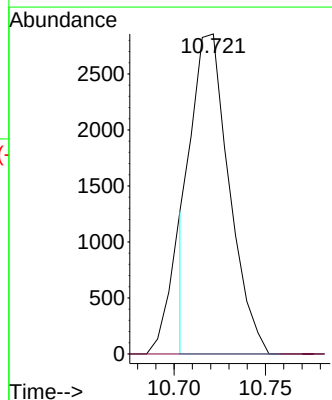
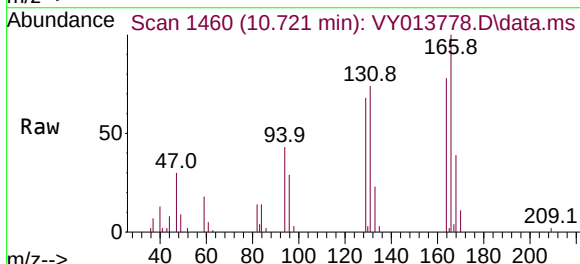
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-74-051523

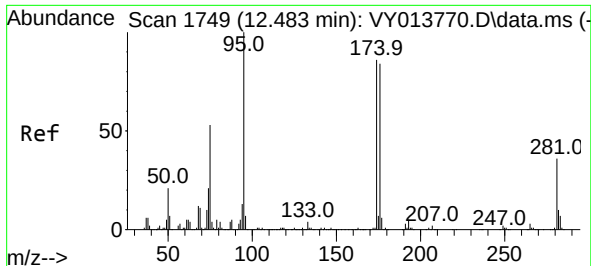
Tgt Ion: 43 Resp: 1807
Ion Ratio Lower Upper
43 100
58 186.0 28.2 42.2#



#60
Dibromochloromethane
Concen: 2.225 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.268 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

Tgt Ion: 129 Resp: 4091
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#

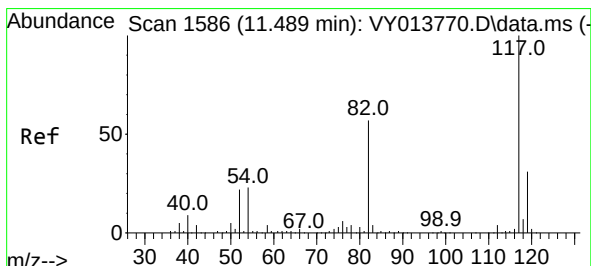
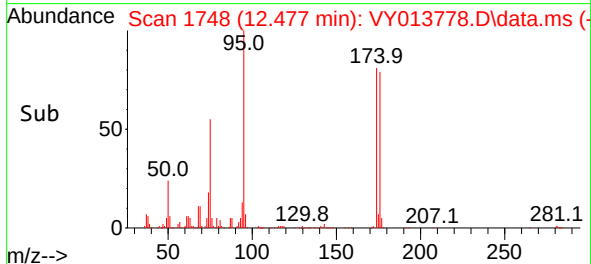
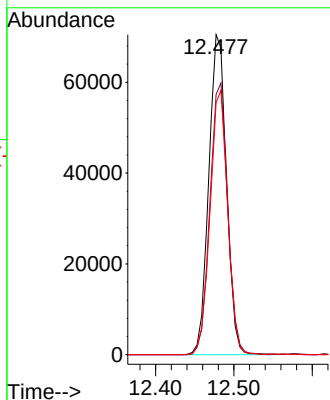
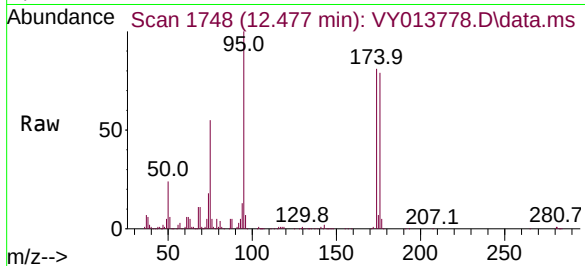




#62
4-Bromofluorobenzene
Concen: 48.514 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

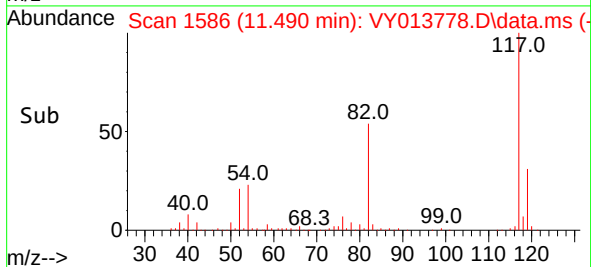
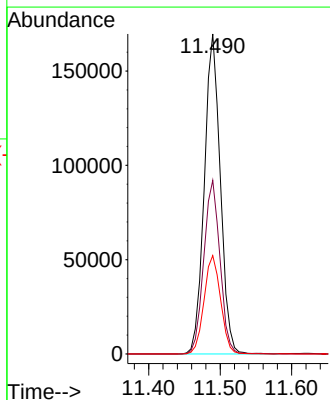
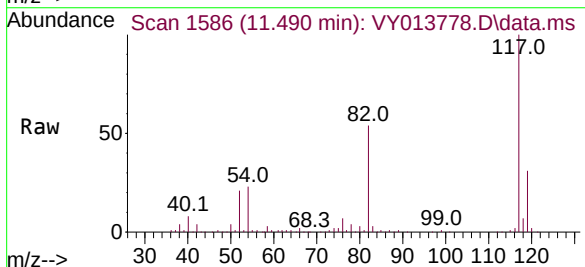
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-74-051523

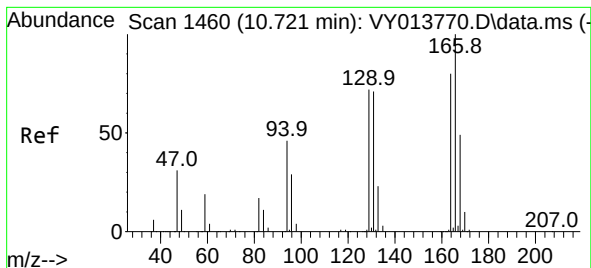
Tgt Ion: 95 Resp: 110279
Ion Ratio Lower Upper
95 100
174 86.0 0.0 168.8
176 82.6 0.0 165.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

Tgt Ion: 117 Resp: 263885
Ion Ratio Lower Upper
117 100
82 54.2 45.5 68.3
119 30.8 24.8 37.2





#64

Tetrachloroethene

Concen: 3.068 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VY013778.D

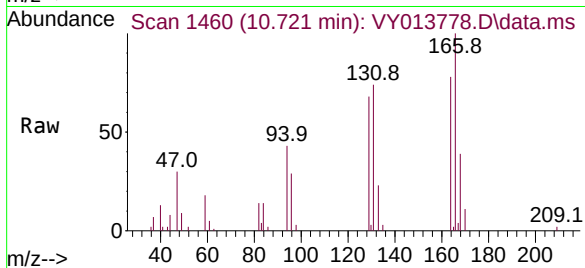
Acq: 17 May 2023 16:03

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-74-051523



Tgt Ion:164 Resp: 5135

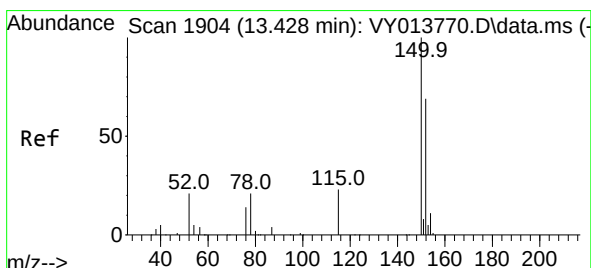
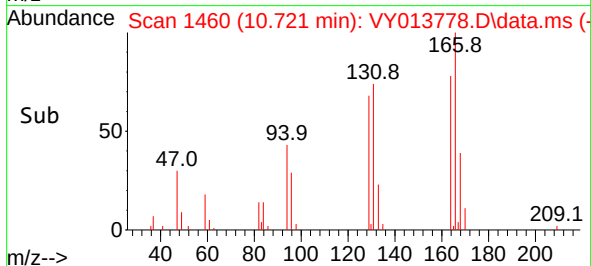
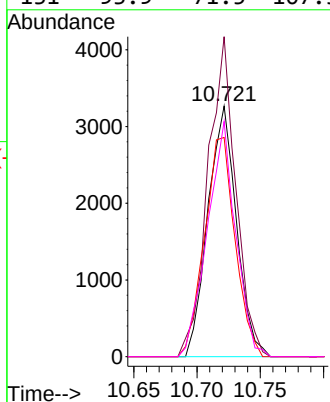
Ion Ratio Lower Upper

164 100

166 127.7 100.5 150.7

129 87.5 72.5 108.7

131 93.9 71.5 107.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY013778.D

Acq: 17 May 2023 16:03

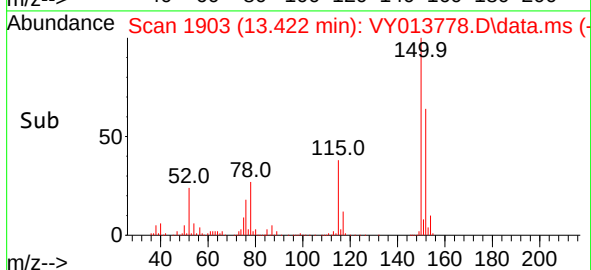
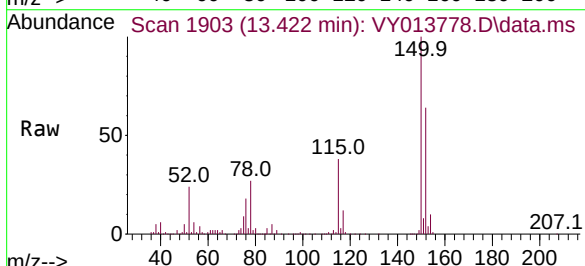
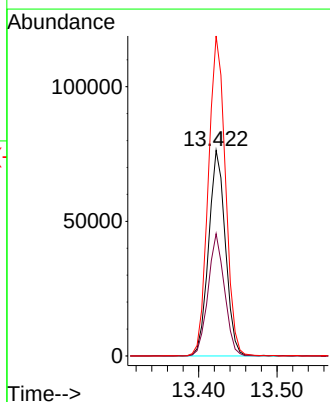
Tgt Ion:152 Resp: 113173

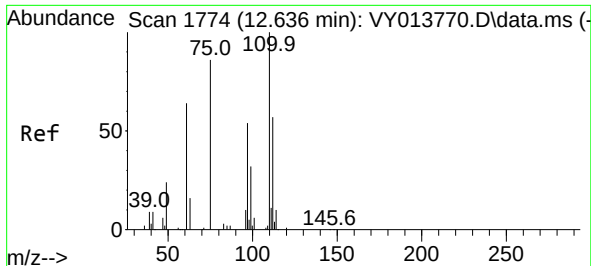
Ion Ratio Lower Upper

152 100

115 58.3 28.5 85.5

150 159.0 0.0 347.0

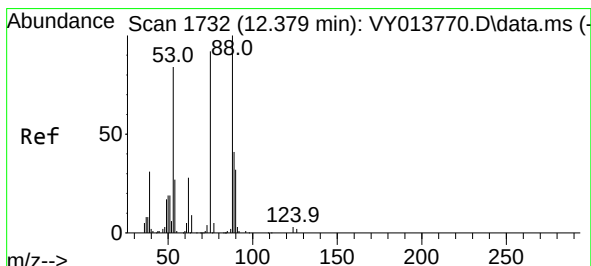
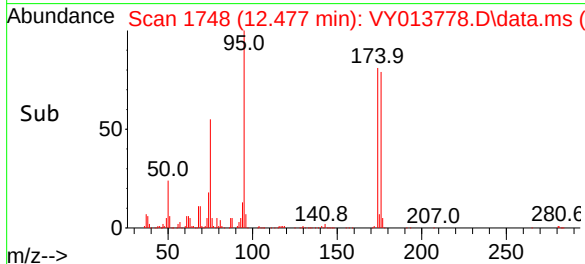
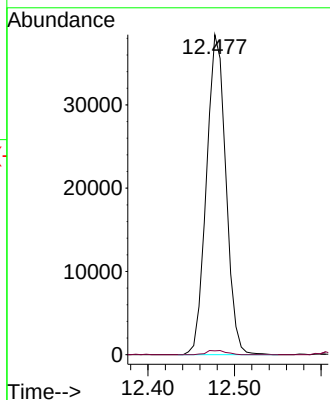
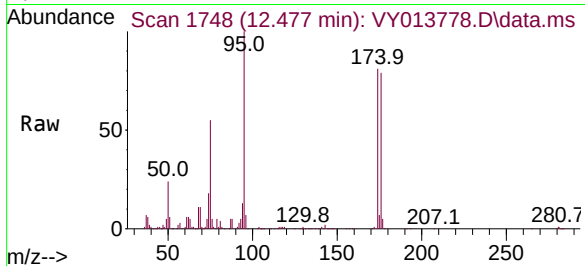




#76
1,2,3-Trichloropropane
Concen: 43.735 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-74-051523

Tgt Ion: 75 Resp: 59904
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.371 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013778.D
Acq: 17 May 2023 16:03

Tgt Ion: 75 Resp: 59904
Ion Ratio Lower Upper
75 100
53 0.1 75.3 112.9#
89 0.0 35.4 53.2#

