

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040323\
 Data File : VY013177.D
 Acq On : 03 Apr 2023 15:45
 Operator : KP/MD
 Sample : 02165-02
 Misc : 5.52g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2B

Quant Time: Apr 03 23:09:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 03 13:40:57 2023
 Response via : Initial Calibration

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

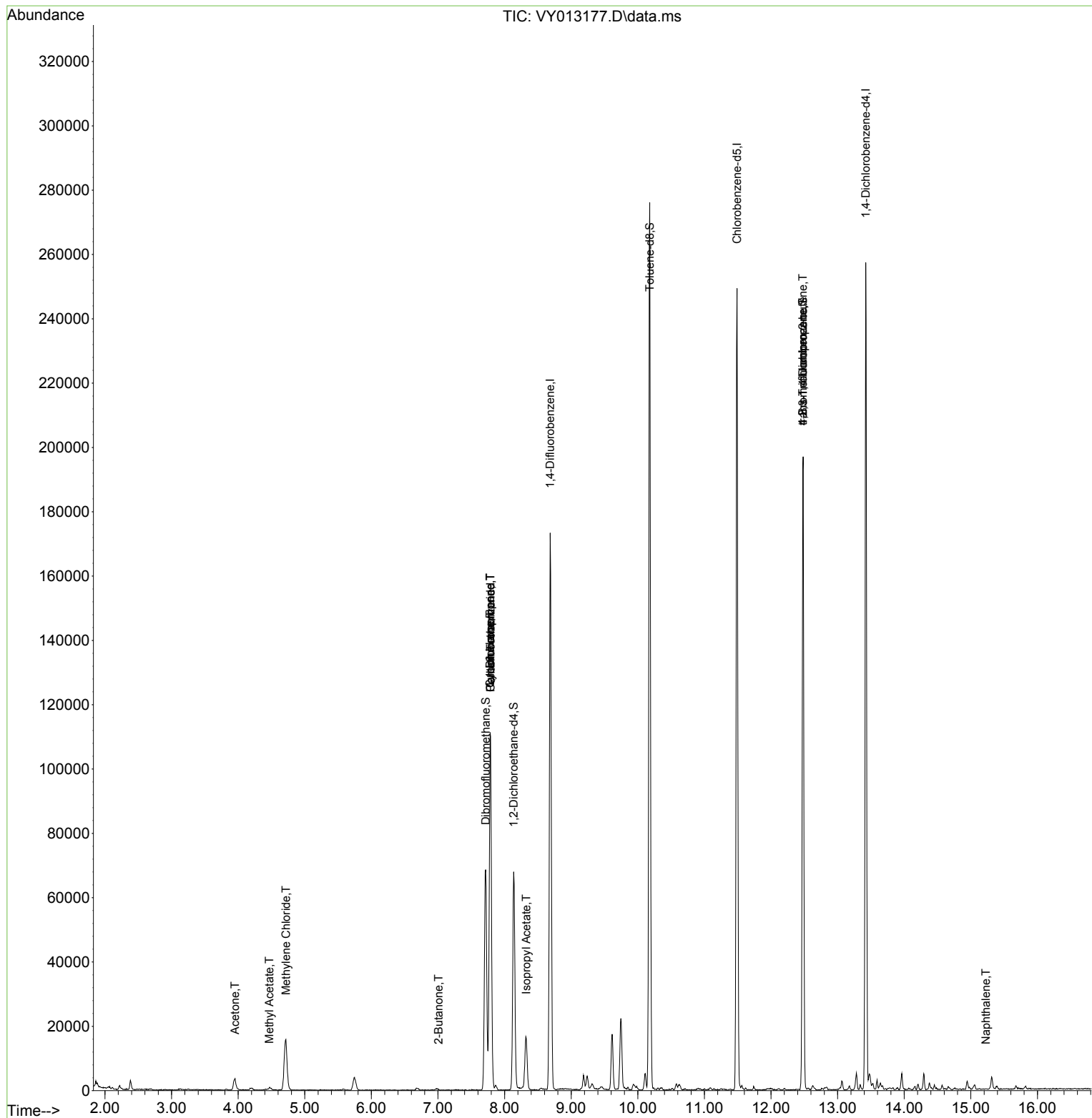
Internal Standards						
1) Pentafluorobenzene	7.789	168	90583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	148477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	139752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	66655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	54699	56.189	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.380%
35) Dibromofluoromethane	7.716	113	48459	49.960	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.920%
50) Toluene-d8	10.179	98	180925	49.410	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.820%
62) 4-Bromofluorobenzene	12.477	95	57438	48.191	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.380%
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	6524	21.916	ug/l	100
18) Methyl Acetate	4.466	43	1557	1.660	ug/l #	91
20) Methylene Chloride	4.716	84	12395	7.497	ug/l	93
25) 2-Butanone	7.009	43	627	1.685	ug/l #	49
31) Cyclohexane	7.783	56	1913	1.204	ug/l #	19
36) 1,1-Dichloropropene	7.783	75	6077	4.162	ug/l #	51
38) Carbon Tetrachloride	7.789	117	8456	5.248	ug/l #	15
43) Isopropyl Acetate	8.325	43	3227	2.173	ug/l #	54
76) 1,2,3-Trichloropropane	12.477	75	29807	39.807	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	29807	88.774	ug/l #	13
95) Naphthalene	15.227	128	163	3.294	ug/l #	69

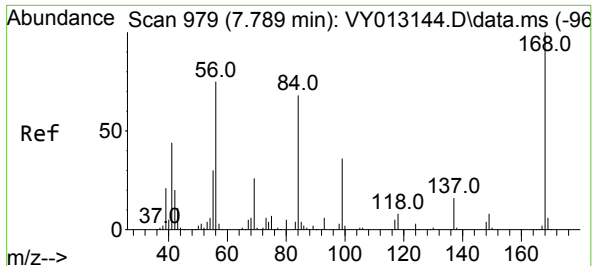
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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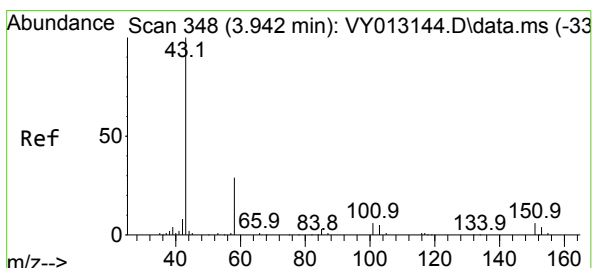
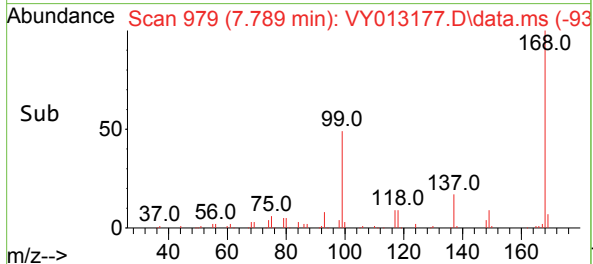
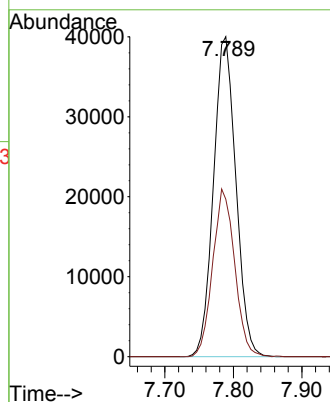
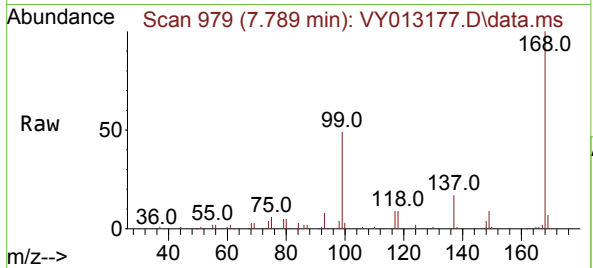




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013177.D
Acq: 03 Apr 2023 15:45

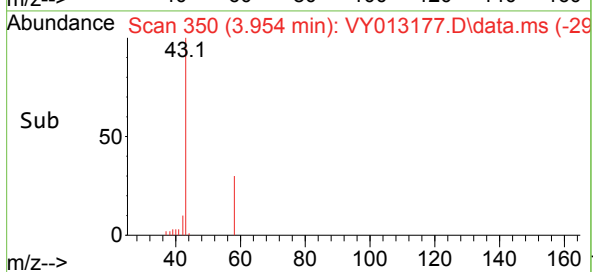
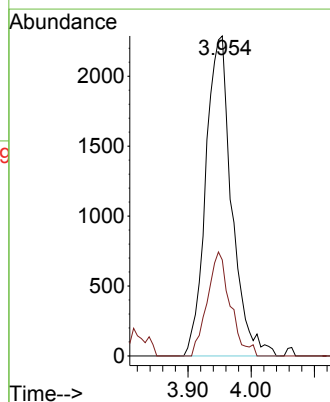
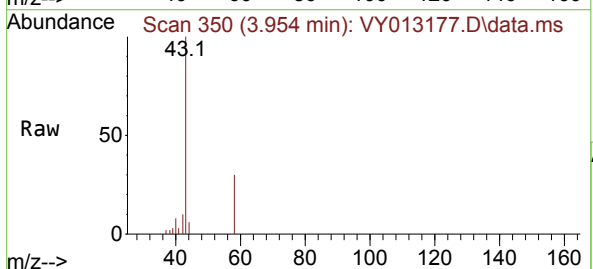
Instrument :
MSVOA_Y
ClientSampleId :
SB-2B

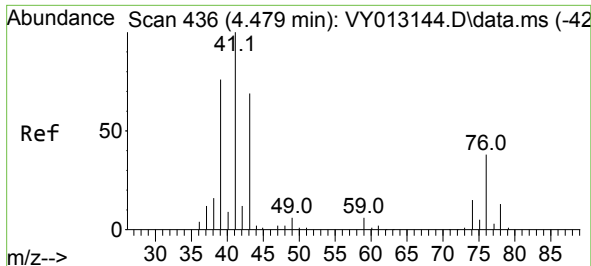
Tgt Ion:168 Resp: 90583
Ion Ratio Lower Upper
168 100
99 49.2 41.7 62.5



#16
Acetone
Concen: 21.916 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY013177.D
Acq: 03 Apr 2023 15:45

Tgt Ion: 43 Resp: 6524
Ion Ratio Lower Upper
43 100
58 30.0 24.2 36.2

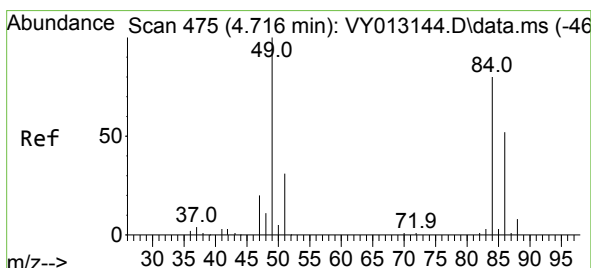
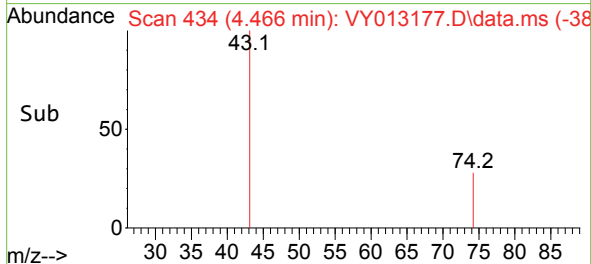
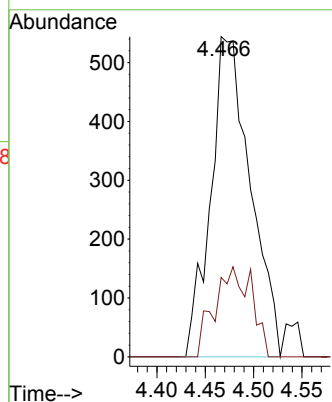
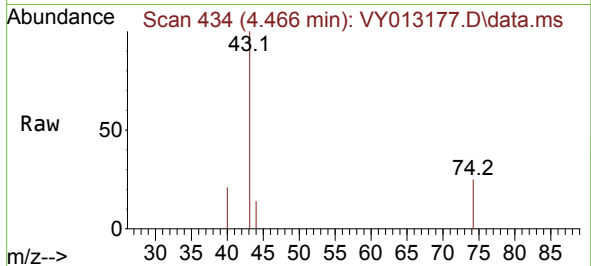




#18
Methyl Acetate
Concen: 1.660 ug/l
RT: 4.466 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY013177.D
Acq: 03 Apr 2023 15:45

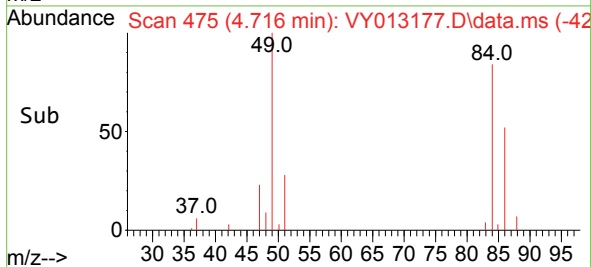
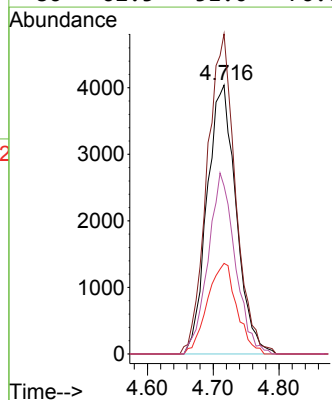
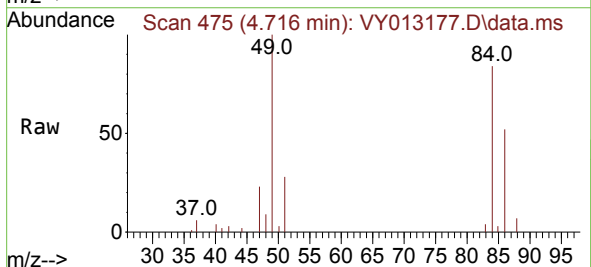
Instrument :
MSVOA_Y
ClientSampleId :
SB-2B

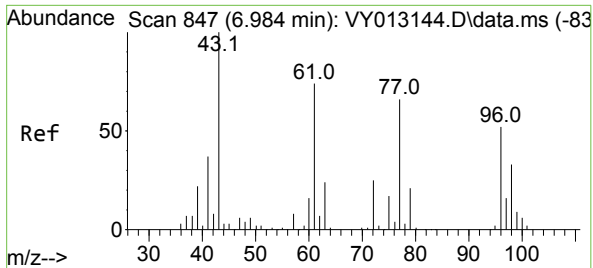
Tgt Ion: 43 Resp: 1557
Ion Ratio Lower Upper
43 100
74 26.1 17.4 26.0#



#20
Methylene Chloride
Concen: 7.497 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013177.D
Acq: 03 Apr 2023 15:45

Tgt Ion: 84 Resp: 12395
Ion Ratio Lower Upper
84 100
49 119.0 102.6 154.0
51 33.7 31.9 47.9
86 62.5 51.0 76.6





#25

2-Butanone

Concen: 1.685 ug/l

RT: 7.009 min Scan# 81

Delta R.T. 0.025 min

Lab File: VY013177.D

Acq: 03 Apr 2023 15:45

Instrument :

MSVOA_Y

ClientSampleId :

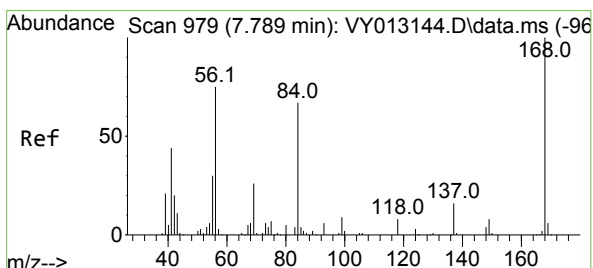
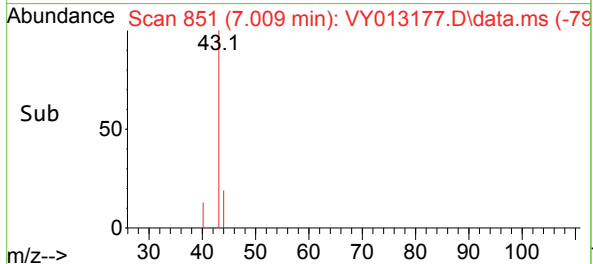
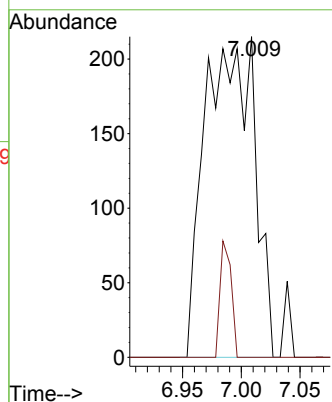
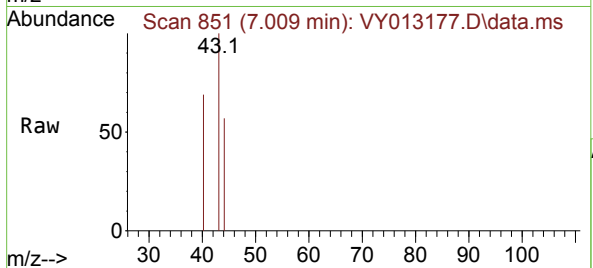
SB-2B

Tgt Ion: 43 Resp: 627

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.204 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY013177.D

Acq: 03 Apr 2023 15:45

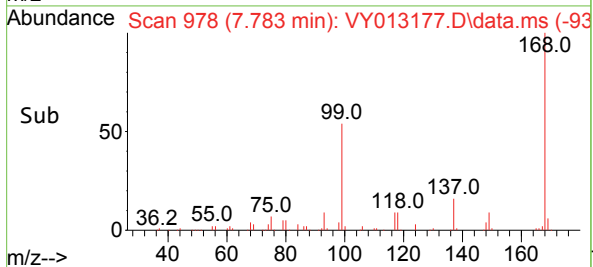
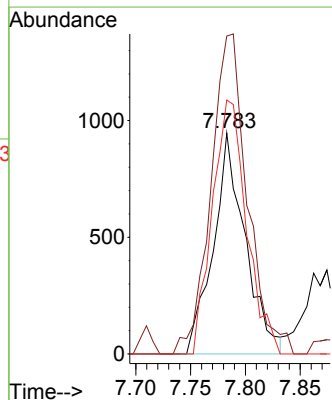
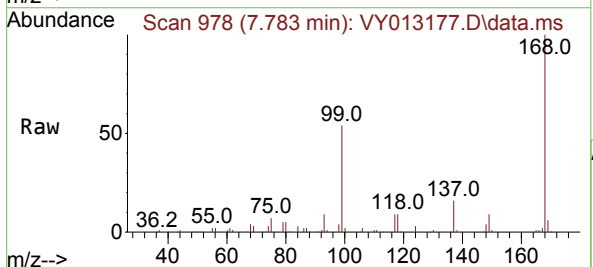
Tgt Ion: 56 Resp: 1913

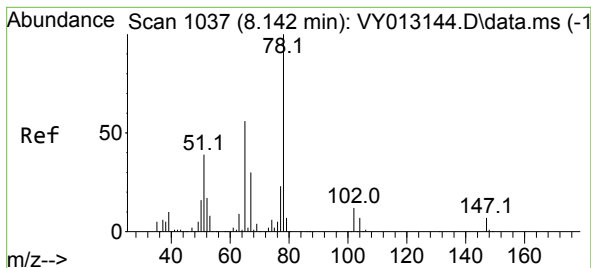
Ion Ratio Lower Upper

56 100

69 136.3 25.7 38.5#

84 114.9 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 56.189 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY013177.D

Acq: 03 Apr 2023 15:45

Instrument :

MSVOA_Y

ClientSampleId :

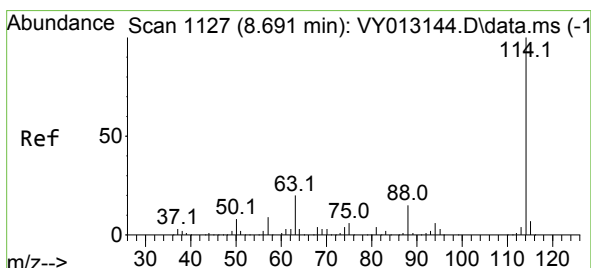
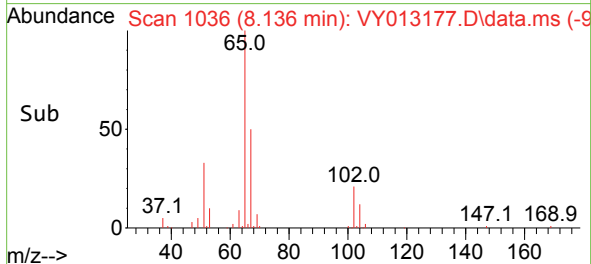
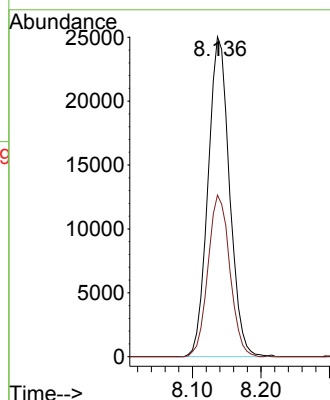
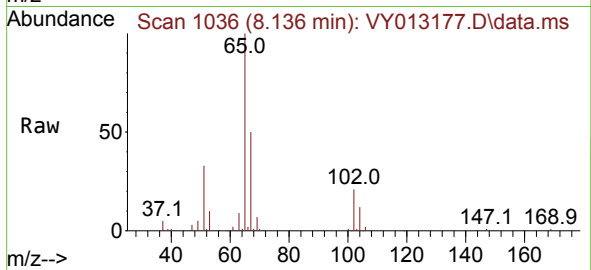
SB-2B

Tgt Ion: 65 Resp: 54699

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013177.D

Acq: 03 Apr 2023 15:45

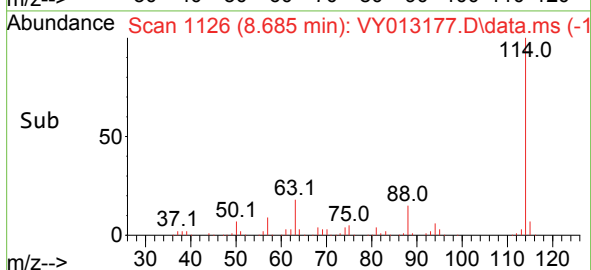
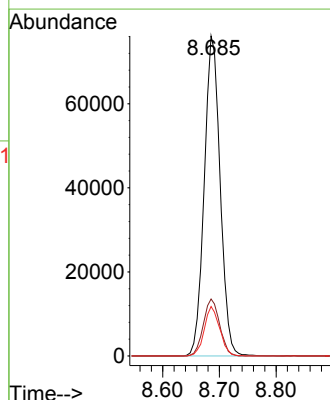
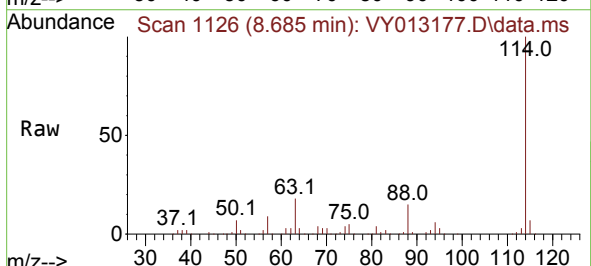
Tgt Ion:114 Resp: 148477

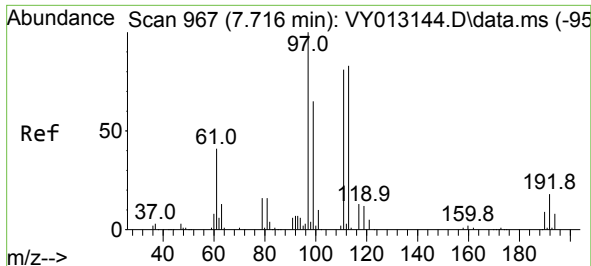
Ion Ratio Lower Upper

114 100

63 17.8 0.0 37.4

88 15.5 0.0 28.6

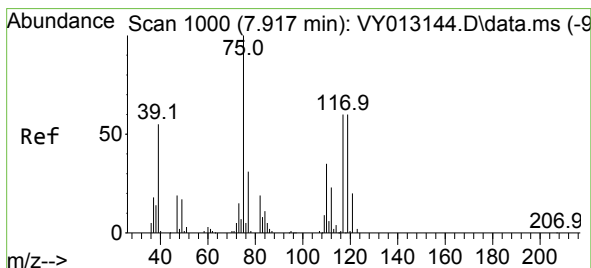
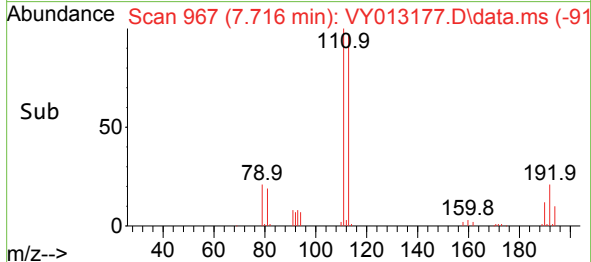
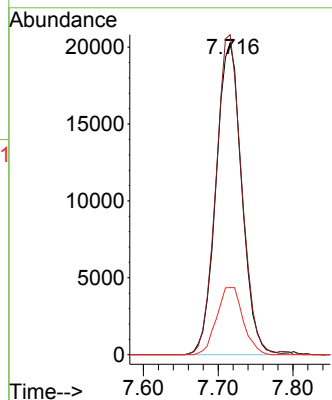
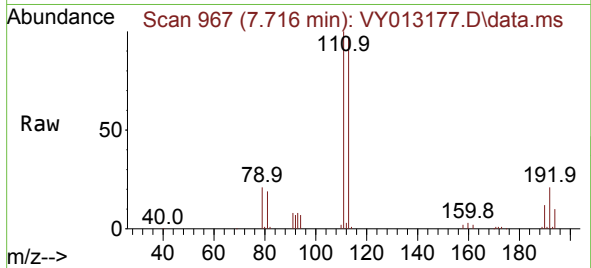




#35
Dibromofluoromethane
Concen: 49.960 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY013177.D
Acq: 03 Apr 2023 15:45

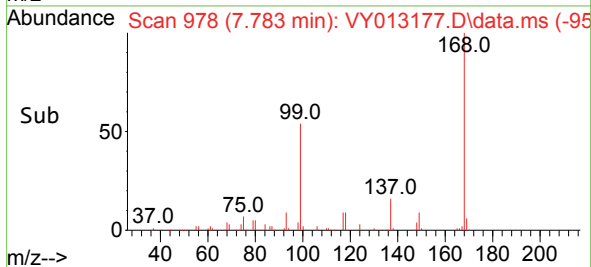
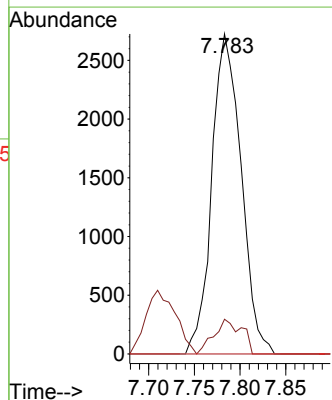
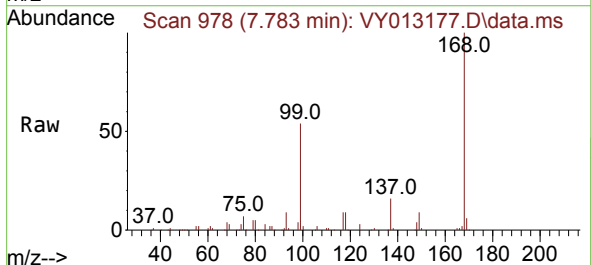
Instrument :
MSVOA_Y
ClientSampleId :
SB-2B

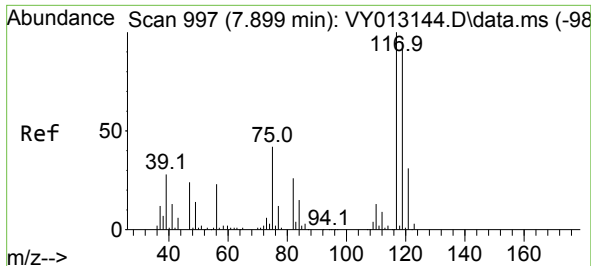
Tgt Ion:113 Resp: 48459
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 22.2 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.162 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013177.D
Acq: 03 Apr 2023 15:45

Tgt Ion: 75 Resp: 6077
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.3#
77 0.0 25.0 37.4#

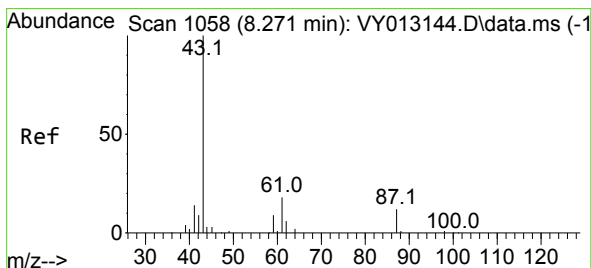
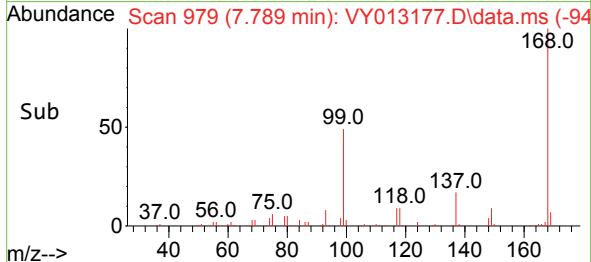
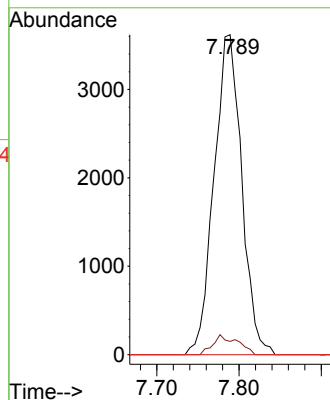
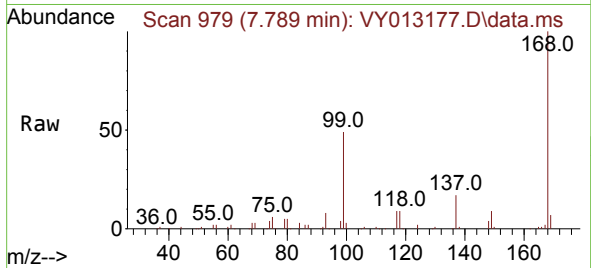




#38
Carbon Tetrachloride
Concen: 5.248 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013177.D
Acq: 03 Apr 2023 15:45

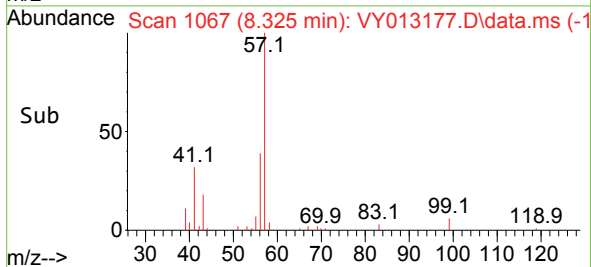
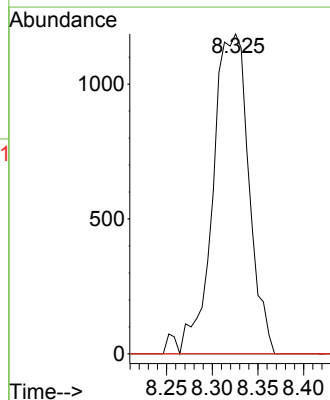
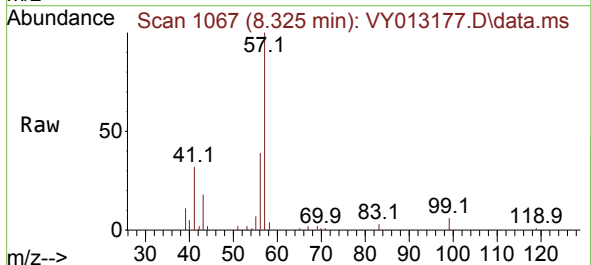
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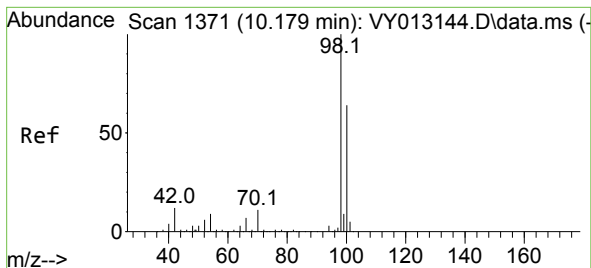
Tgt Ion:117 Resp: 8456
Ion Ratio Lower Upper
117 100
119 4.1 77.2 115.8#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 2.173 ug/l
RT: 8.325 min Scan# 1067
Delta R.T. 0.054 min
Lab File: VY013177.D
Acq: 03 Apr 2023 15:45

Tgt Ion: 43 Resp: 3227
Ion Ratio Lower Upper
43 100
61 0.0 21.6 32.4#
87 0.0 9.9 14.9#

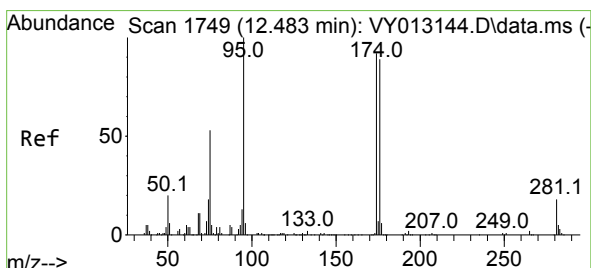
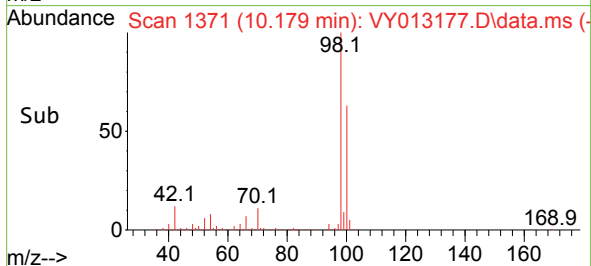
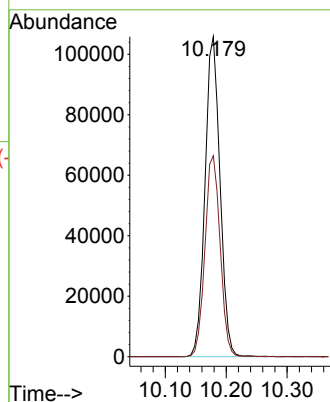
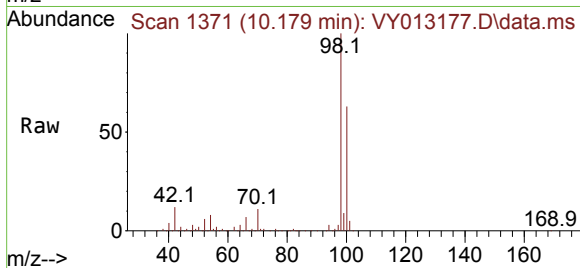




#50
Toluene-d8
Concen: 49.410 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013177.D
Acq: 03 Apr 2023 15:45

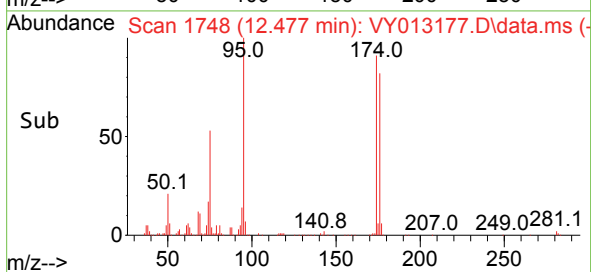
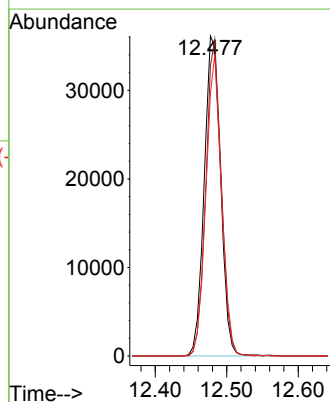
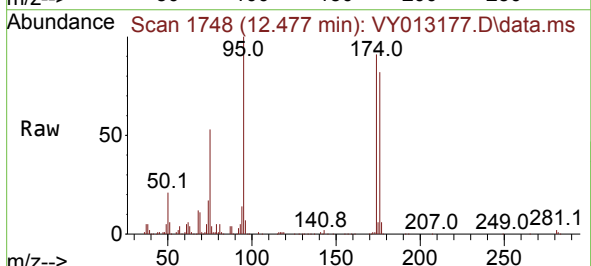
Instrument :
MSVOA_Y
ClientSampleId :
SB-2B

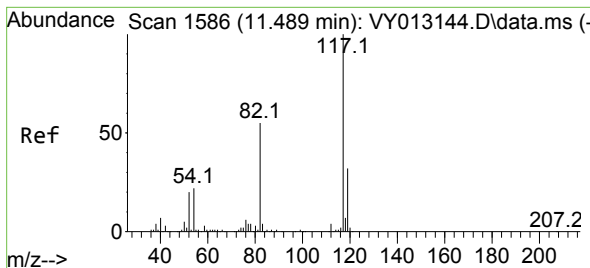
Tgt Ion: 98 Resp: 180925
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 48.191 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013177.D
Acq: 03 Apr 2023 15:45

Tgt Ion: 95 Resp: 57438
Ion Ratio Lower Upper
95 100
174 94.2 0.0 176.6
176 89.8 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 117

Delta R.T. 0.001 min

Lab File: VY013177.D

Acq: 03 Apr 2023 15:45

Instrument :

MSVOA_Y

ClientSampleId :

SB-2B

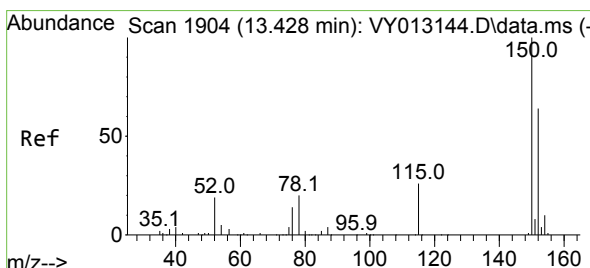
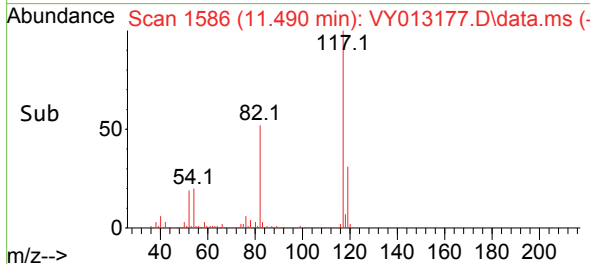
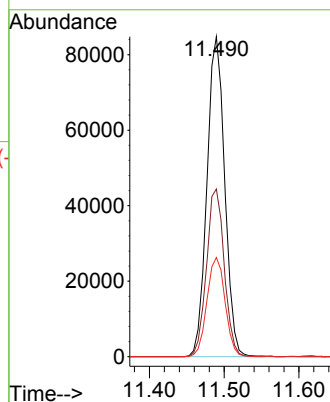
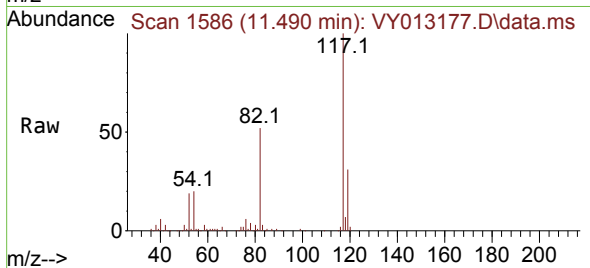
Tgt Ion:117 Resp: 139752

Ion Ratio Lower Upper

117 100

82 52.4 45.4 68.0

119 31.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY013177.D

Acq: 03 Apr 2023 15:45

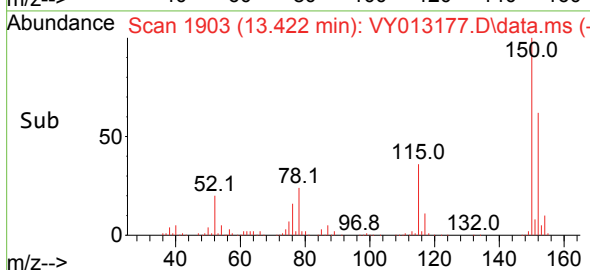
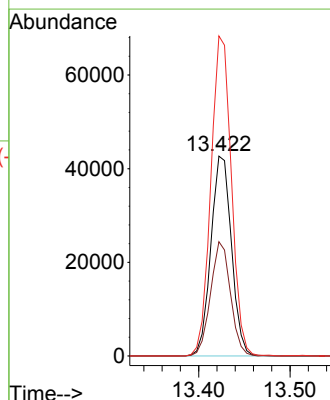
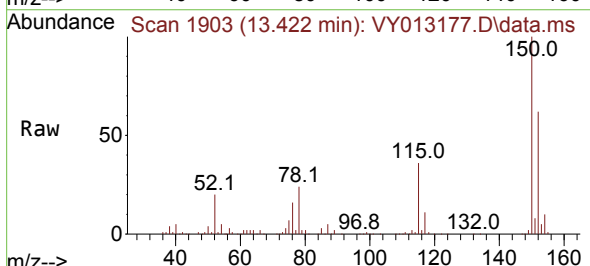
Tgt Ion:152 Resp: 66655

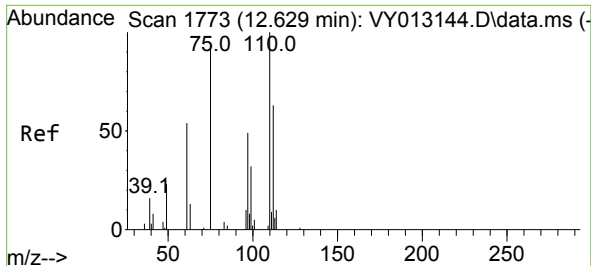
Ion Ratio Lower Upper

152 100

115 55.3 27.1 81.3

150 159.3 0.0 347.8

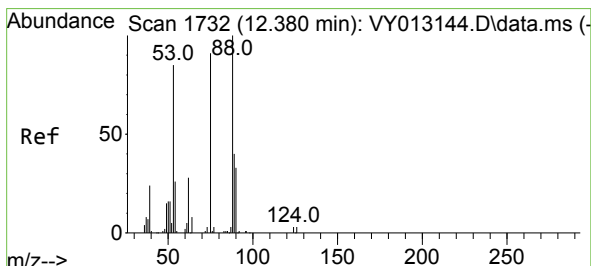
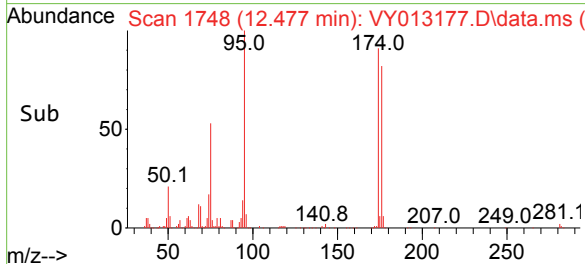
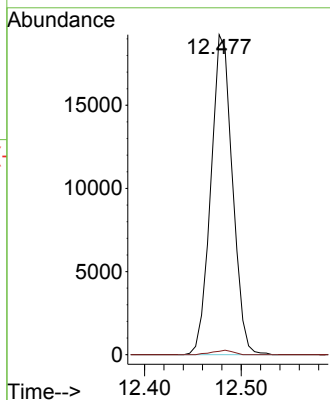
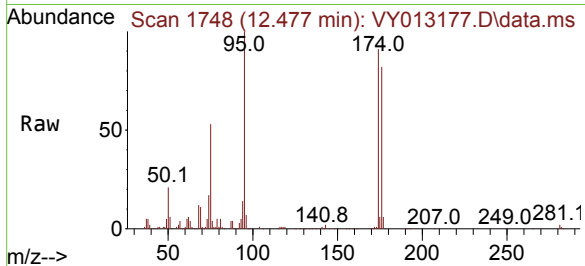




#76
1,2,3-Trichloropropane
Concen: 39.807 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013177.D
Acq: 03 Apr 2023 15:45

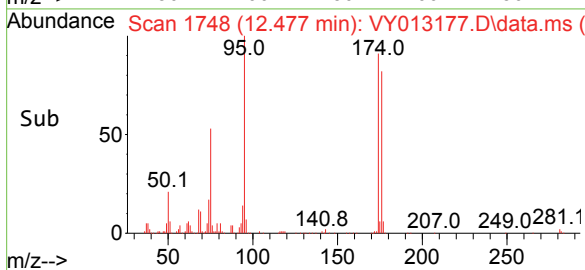
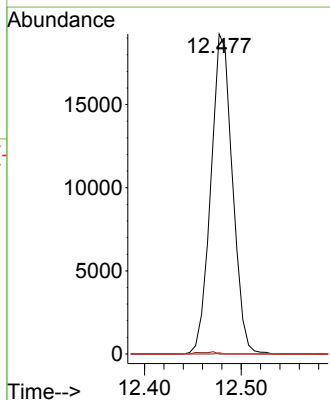
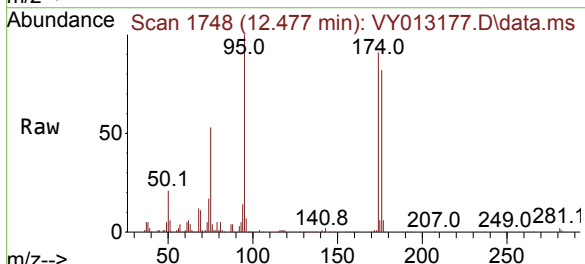
Instrument :
MSVOA_Y
ClientSampleId :
SB-2B

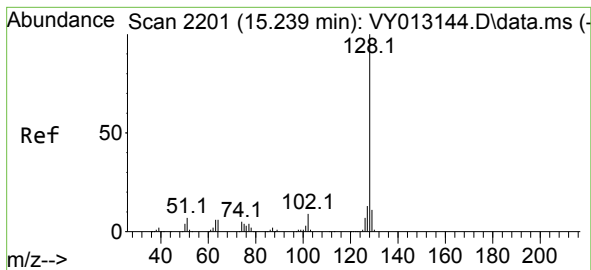
Tgt Ion: 75 Resp: 29807
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.774 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY013177.D
Acq: 03 Apr 2023 15:45

Tgt Ion: 75 Resp: 29807
Ion Ratio Lower Upper
75 100
53 0.5 73.4 110.0#
89 0.1 36.6 55.0#





#95

Naphthalene

Concen: 3.294 ug/l

RT: 15.227 min Scan# 21

Delta R.T. -0.012 min

Lab File: VY013177.D

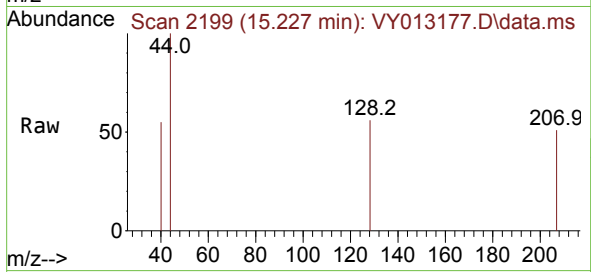
Acq: 03 Apr 2023 15:45

Instrument :

MSVOA_Y

ClientSampleId :

SB-2B



Tgt Ion:128 Resp: 163

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

