

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040323\
 Data File : VY013175.D
 Acq On : 03 Apr 2023 14:58
 Operator : KP/MD
 Sample : 02163-06
 Misc : 5.61g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-6A

Quant Time: Apr 03 23:09:08 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)

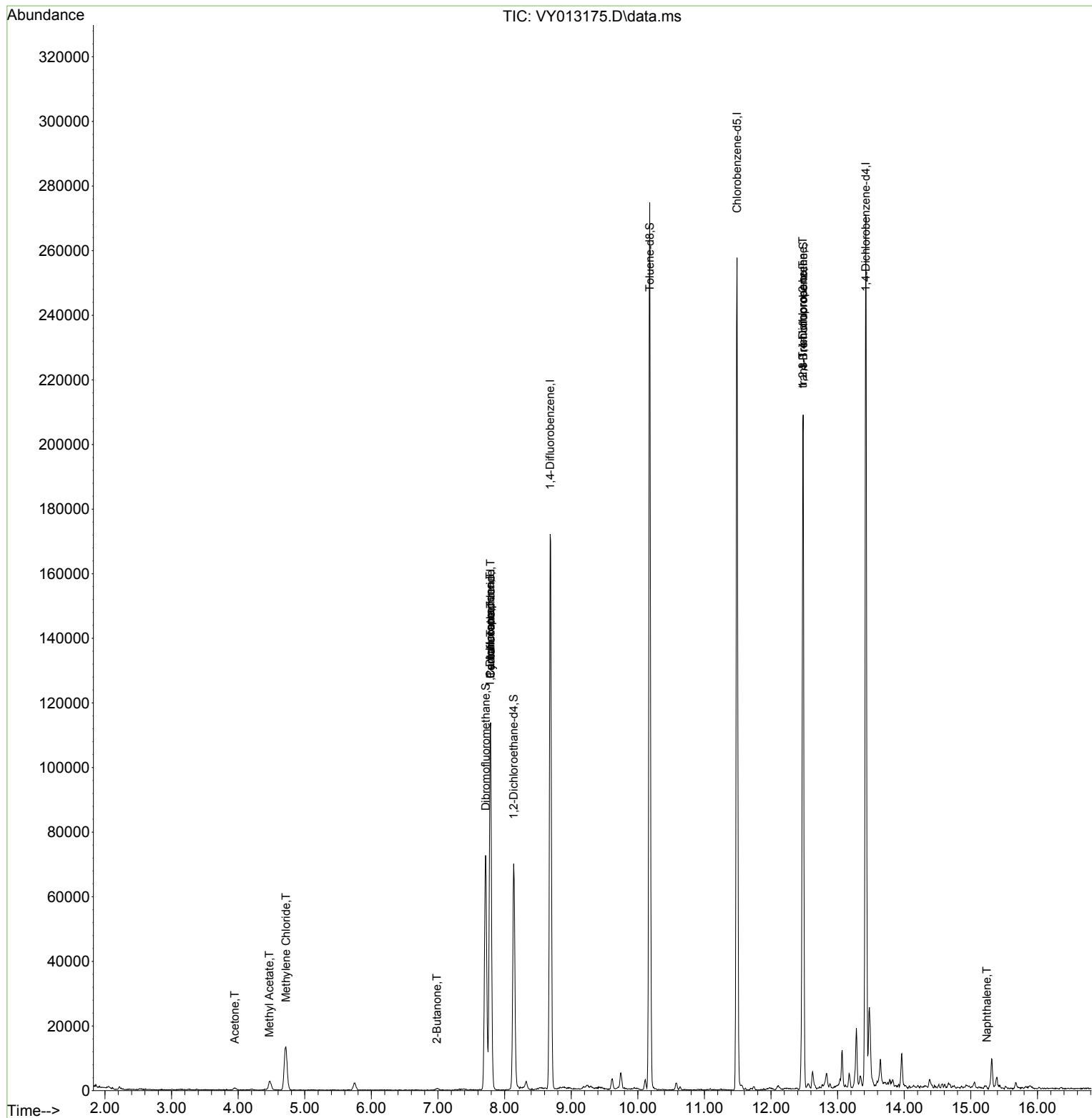
Internal Standards						
1) Pentafluorobenzene	7.789	168	92307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	149680	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	141243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	70421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	55139	55.583	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.160%	
35) Dibromofluoromethane	7.716	113	50238	51.378	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.760%	
50) Toluene-d8	10.179	98	177343	48.042	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.080%	
62) 4-Bromofluorobenzene	12.483	95	60187	50.091	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.180%	
Target Compounds						Qvalue
16) Acetone	3.948	43	1362	4.490	ug/l	90
18) Methyl Acetate	4.466	43	5671	5.933	ug/l	98
20) Methylene Chloride	4.716	84	10553	5.274	ug/l #	87
25) 2-Butanone	6.984	43	766	2.020	ug/l #	49
31) Cyclohexane	7.789	56	1658	1.024	ug/l #	8
36) 1,1-Dichloropropene	7.783	75	6190	4.205	ug/l #	51
38) Carbon Tetrachloride	7.789	117	8812	5.425	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	30891	39.048	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	30891	87.082	ug/l #	13
95) Naphthalene	15.239	128	356	3.359	ug/l #	92

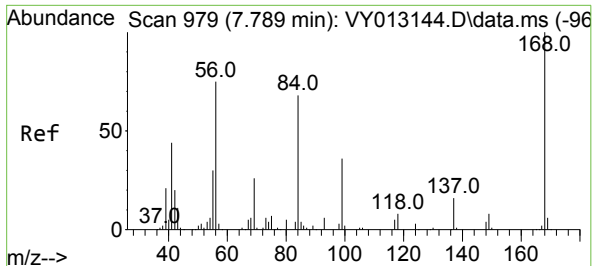
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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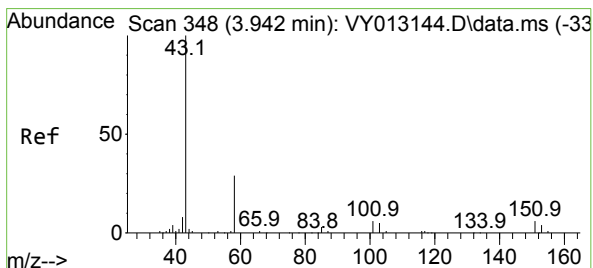
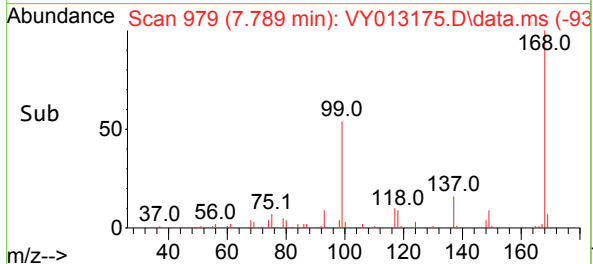
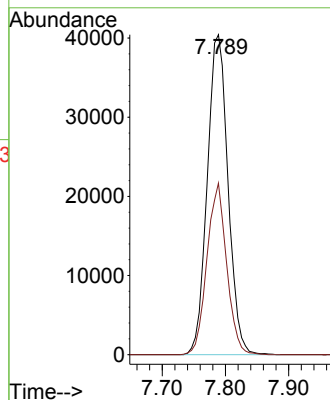
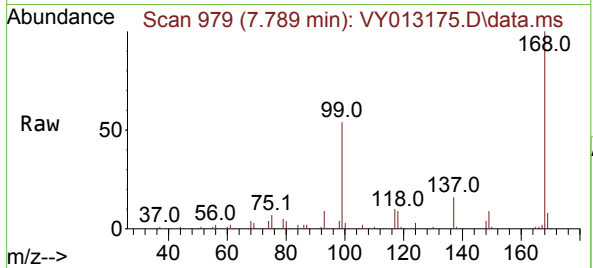




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013175.D
Acq: 03 Apr 2023 14:58

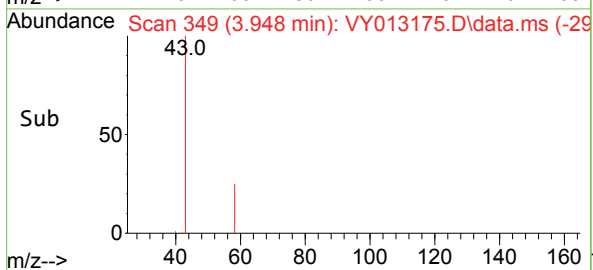
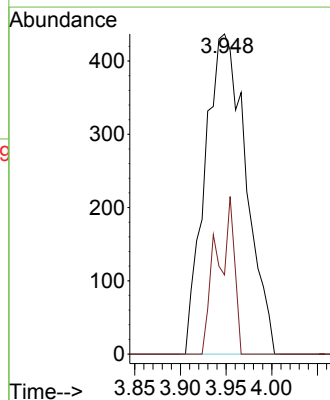
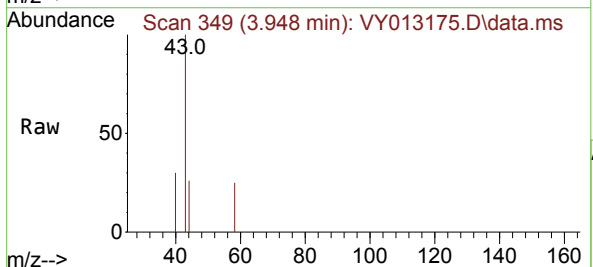
Instrument :
MSVOA_Y
ClientSampleId :
SB-6A

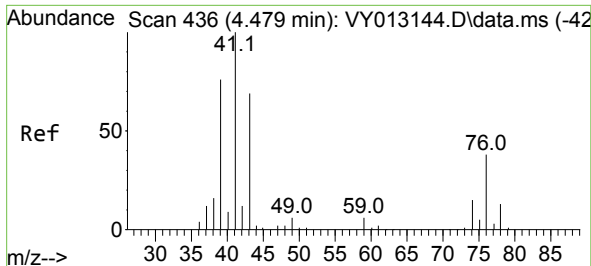
Tgt Ion:168 Resp: 92307
Ion Ratio Lower Upper
168 100
99 53.6 41.7 62.5



#16
Acetone
Concen: 4.490 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY013175.D
Acq: 03 Apr 2023 14:58

Tgt Ion: 43 Resp: 1362
Ion Ratio Lower Upper
43 100
58 24.7 24.2 36.2

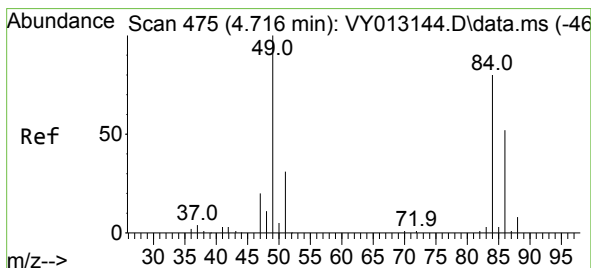
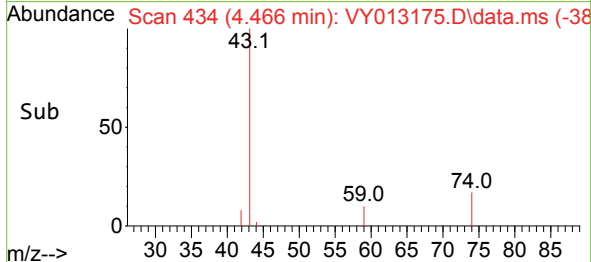
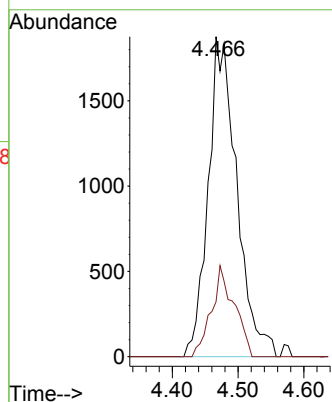
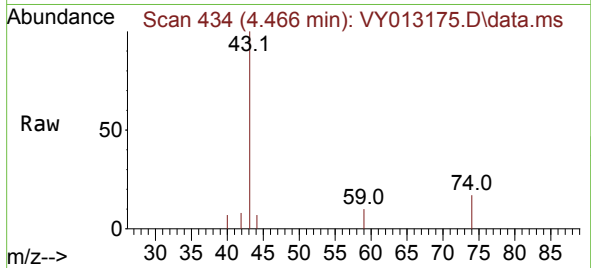




#18
Methyl Acetate
Concen: 5.933 ug/l
RT: 4.466 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY013175.D
Acq: 03 Apr 2023 14:58

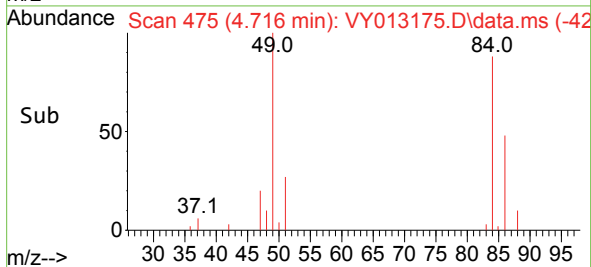
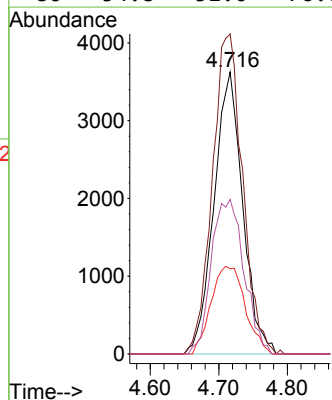
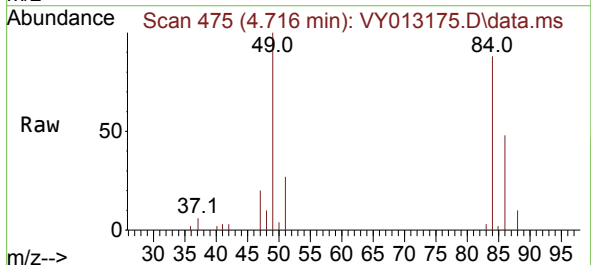
Instrument :
MSVOA_Y
ClientSampleId :
SB-6A

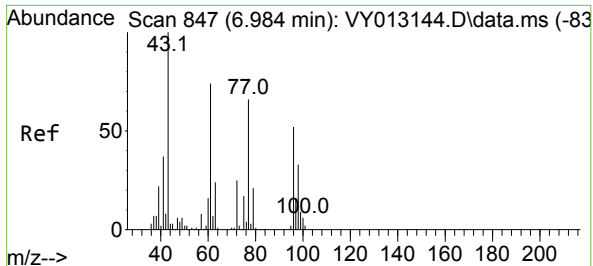
Tgt Ion: 43 Resp: 5671
Ion Ratio Lower Upper
43 100
74 22.7 17.4 26.0



#20
Methylene Chloride
Concen: 5.274 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013175.D
Acq: 03 Apr 2023 14:58

Tgt Ion: 84 Resp: 10553
Ion Ratio Lower Upper
84 100
49 113.5 102.6 154.0
51 30.3 31.9 47.9#
86 54.8 51.0 76.6





#25

2-Butanone

Concen: 2.020 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY013175.D

Acq: 03 Apr 2023 14:58

Instrument :

MSVOA_Y

ClientSampleId :

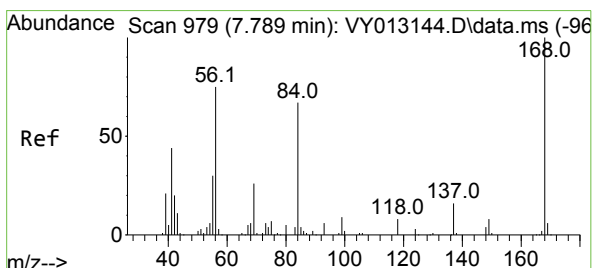
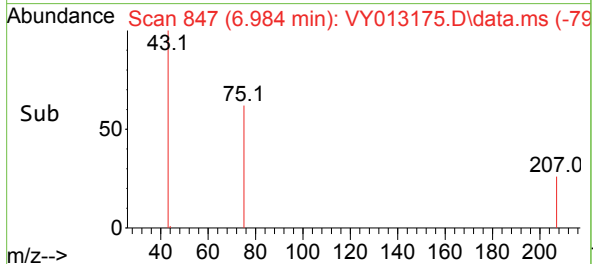
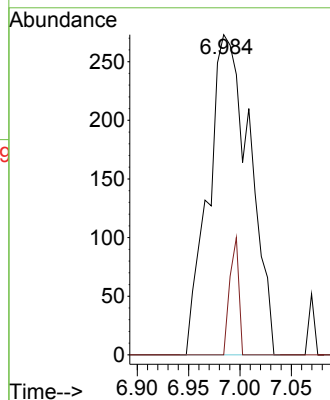
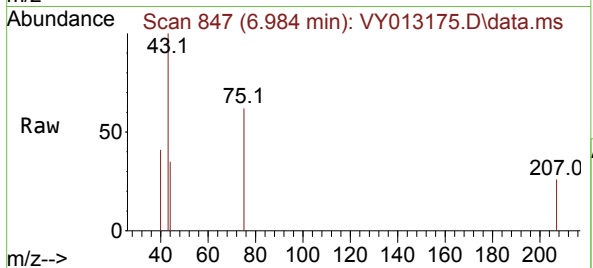
SB-6A

Tgt Ion: 43 Resp: 766

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.024 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY013175.D

Acq: 03 Apr 2023 14:58

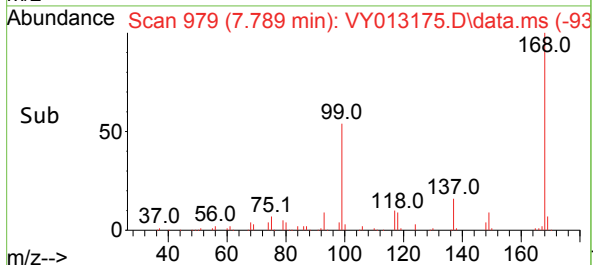
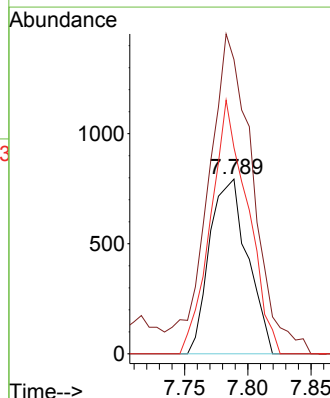
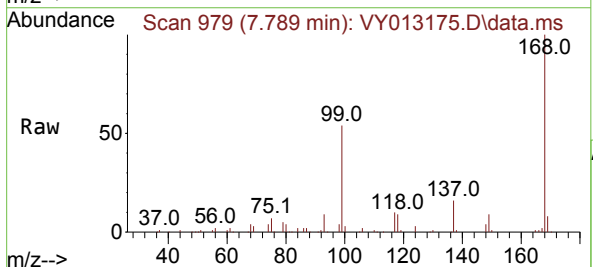
Tgt Ion: 56 Resp: 1658

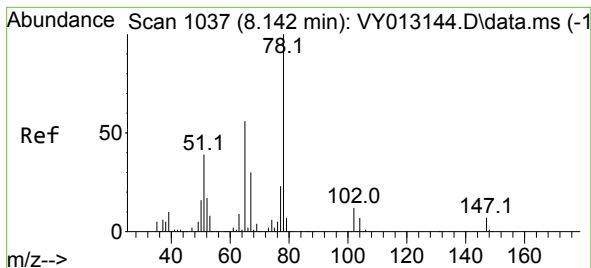
Ion Ratio Lower Upper

56 100

69 153.4 25.7 38.5#

84 118.0 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 55.583 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY013175.D

Acq: 03 Apr 2023 14:58

Instrument :

MSVOA_Y

ClientSampleId :

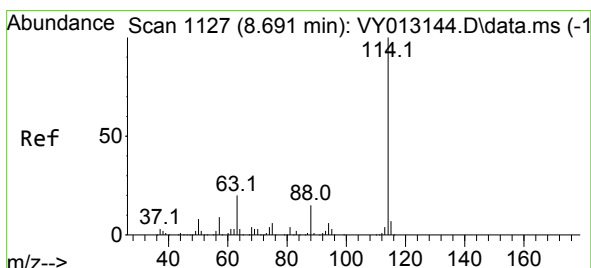
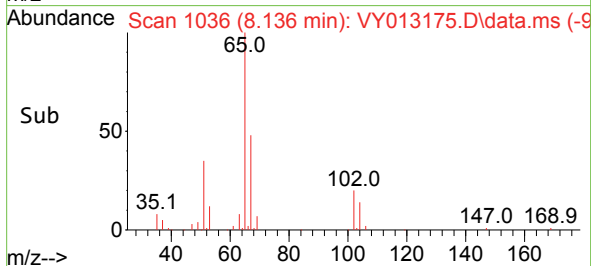
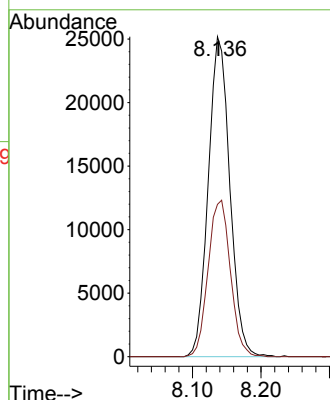
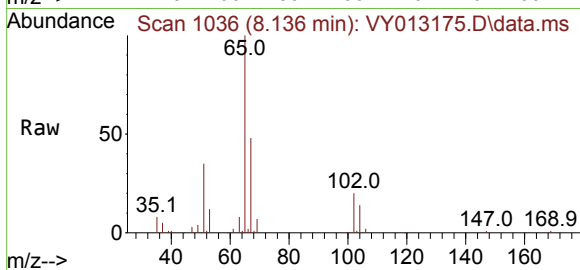
SB-6A

Tgt Ion: 65 Resp: 55139

Ion Ratio Lower Upper

65 100

67 50.5 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: VY013175.D

Acq: 03 Apr 2023 14:58

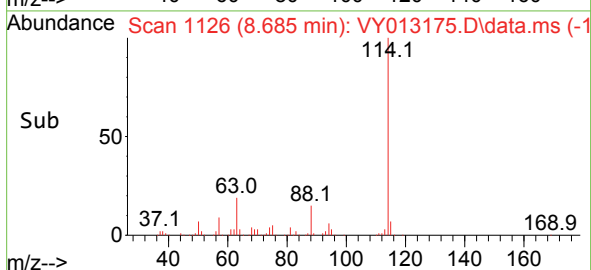
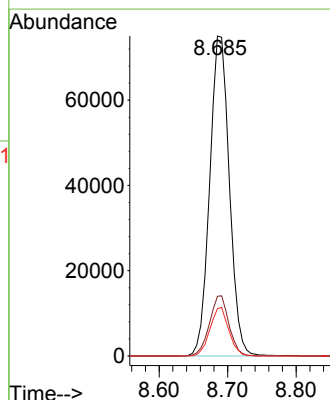
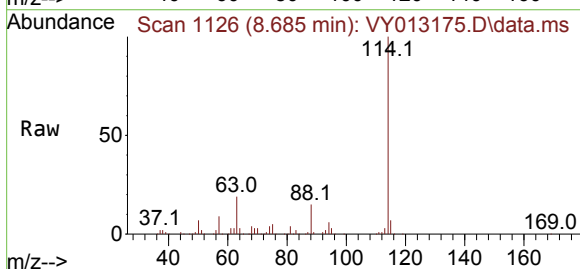
Tgt Ion: 114 Resp: 149680

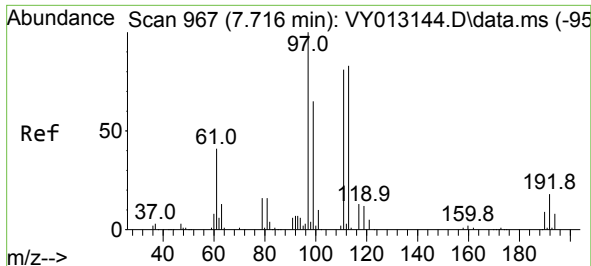
Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.4

88 14.8 0.0 28.6

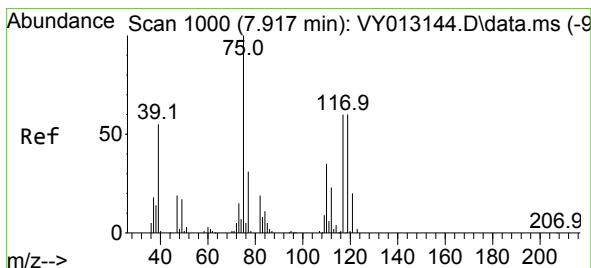
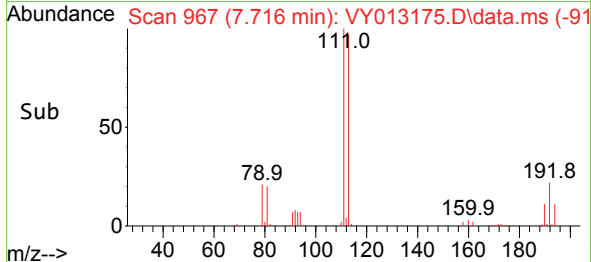
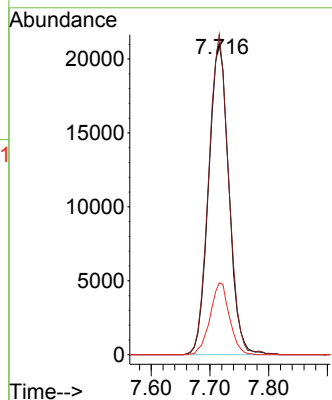
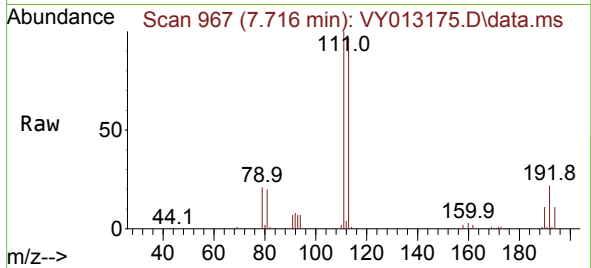




#35
Dibromofluoromethane
Concen: 51.378 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY013175.D
Acq: 03 Apr 2023 14:58

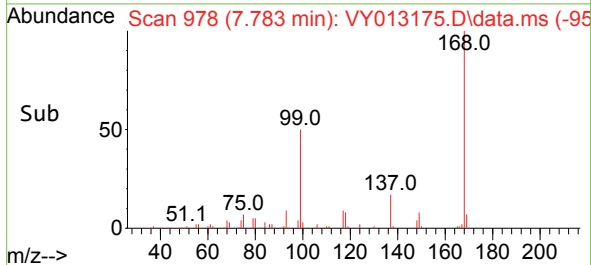
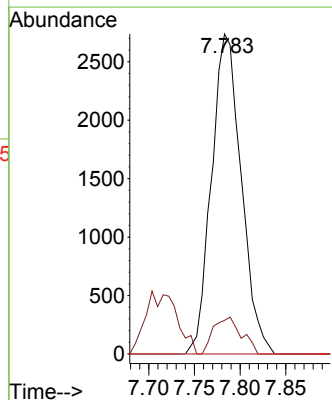
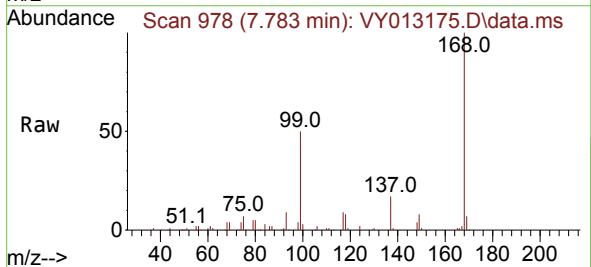
Instrument :
MSVOA_Y
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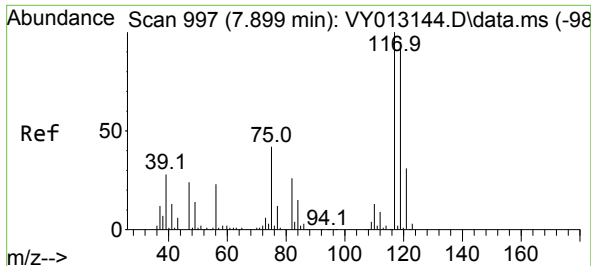
Tgt Ion:113 Resp: 50238
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 22.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.205 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013175.D
Acq: 03 Apr 2023 14:58

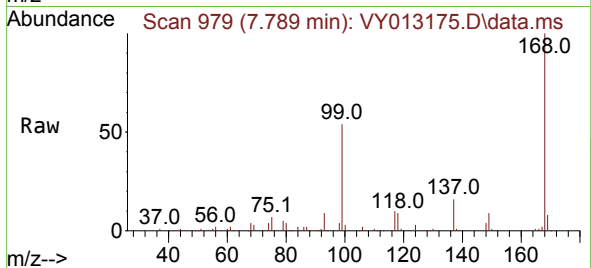
Tgt Ion: 75 Resp: 6190
Ion Ratio Lower Upper
75 100
110 10.8 17.8 53.3#
77 0.0 25.0 37.4#



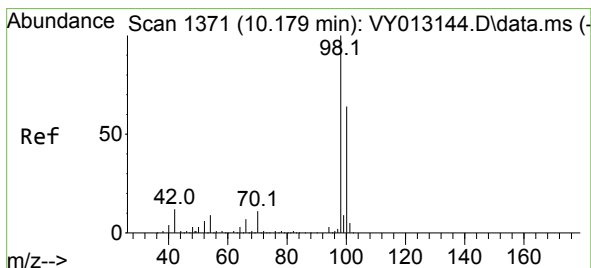
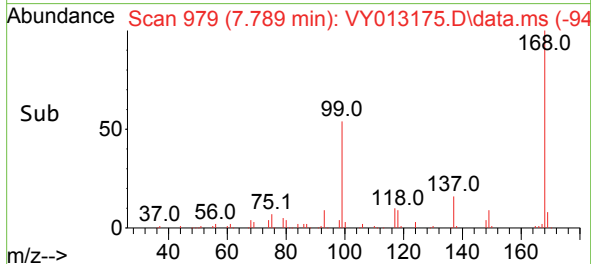
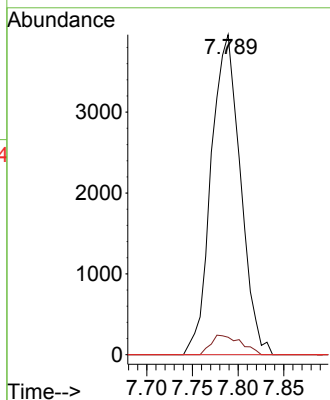


#38
Carbon Tetrachloride
Concen: 5.425 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013175.D
Acq: 03 Apr 2023 14:58

Instrument :
MSVOA_Y
ClientSampleId :
SB-6A

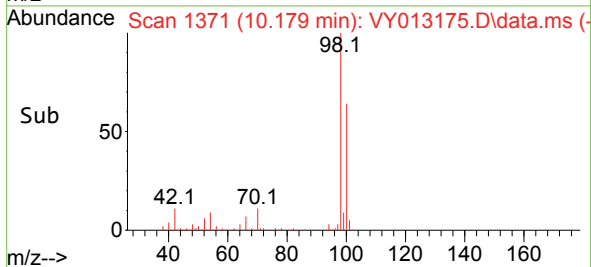
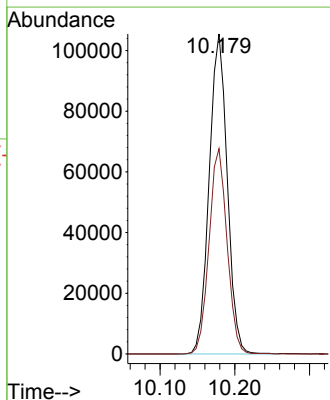
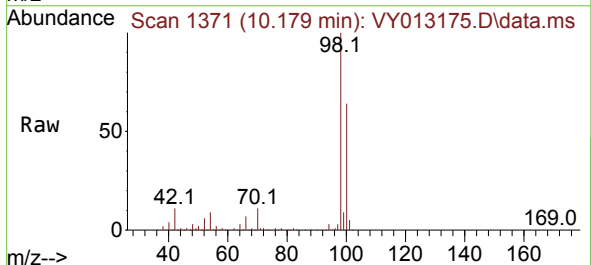


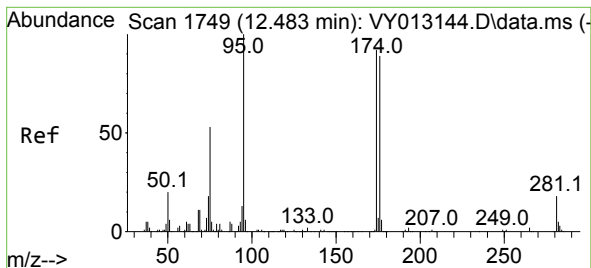
Tgt Ion:117 Resp: 8812
Ion Ratio Lower Upper
117 100
119 5.4 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.042 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013175.D
Acq: 03 Apr 2023 14:58

Tgt Ion: 98 Resp: 177343
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 50.091 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013175.D

Acq: 03 Apr 2023 14:58

Instrument :

MSVOA_Y

ClientSampleId :

SB-6A

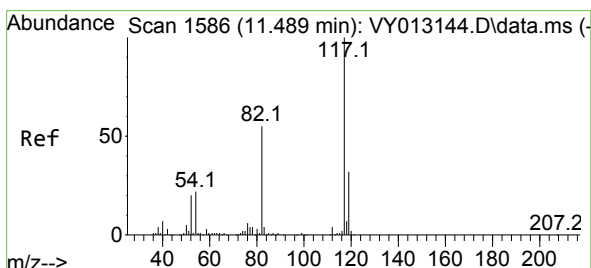
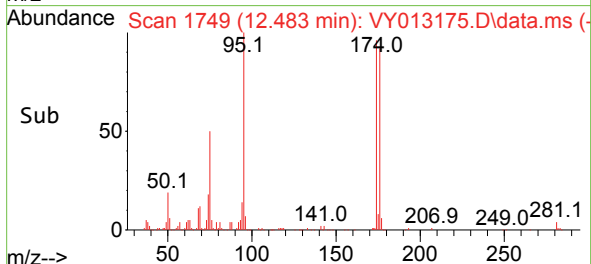
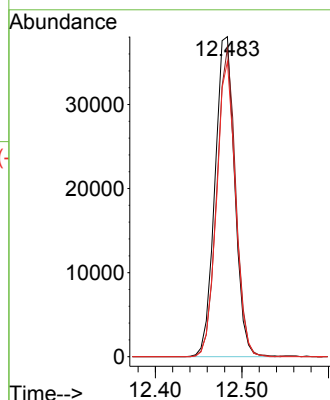
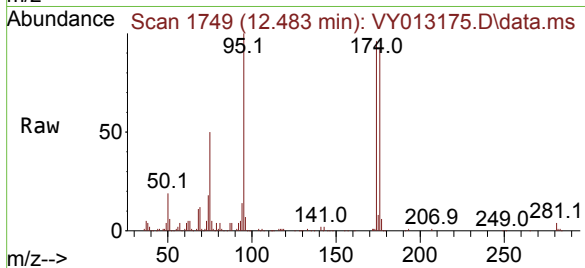
Tgt Ion: 95 Resp: 60187

Ion Ratio Lower Upper

95 100

174 92.2 0.0 176.6

176 88.7 0.0 170.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY013175.D

Acq: 03 Apr 2023 14:58

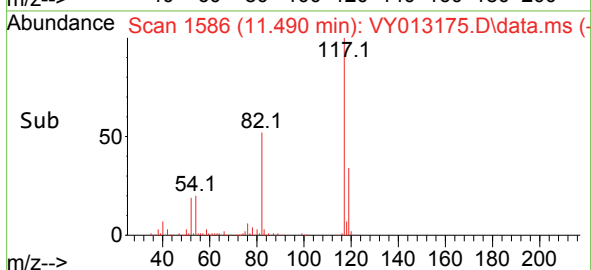
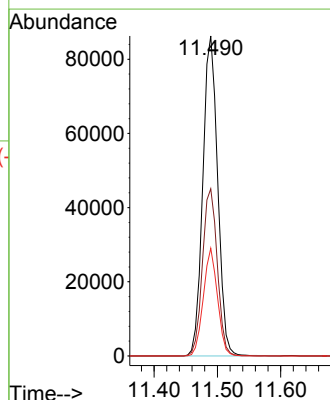
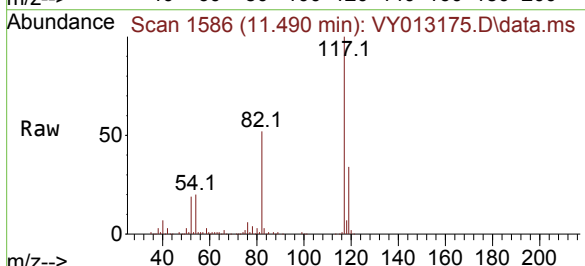
Tgt Ion: 117 Resp: 141243

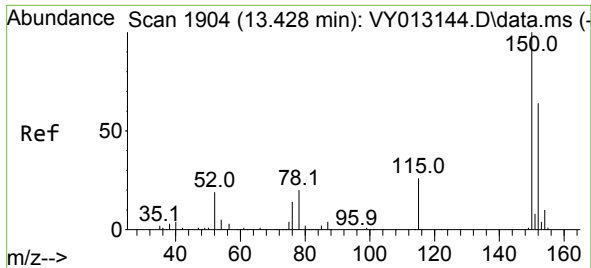
Ion Ratio Lower Upper

117 100

82 52.2 45.4 68.0

119 33.7 25.6 38.4

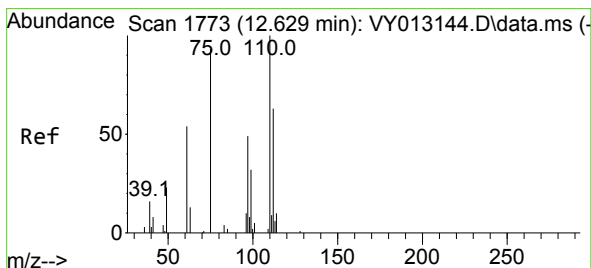
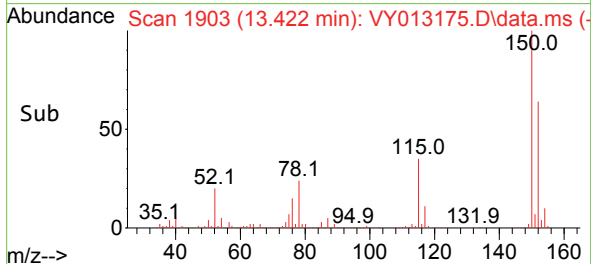
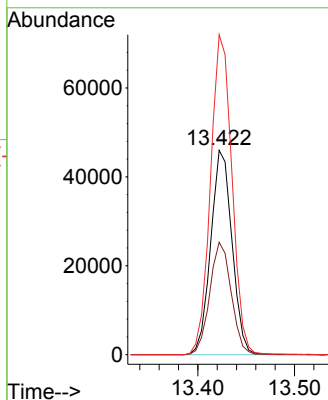
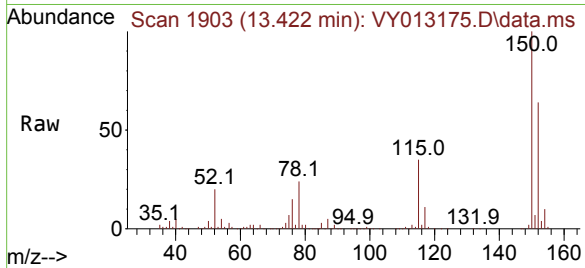




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY013175.D
 Acq: 03 Apr 2023 14:58

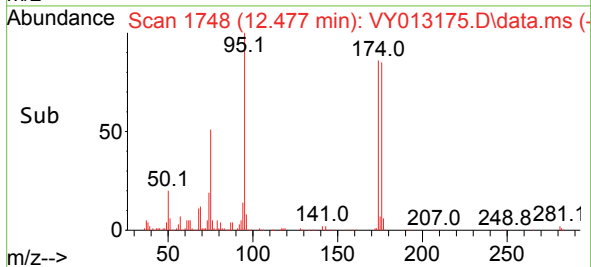
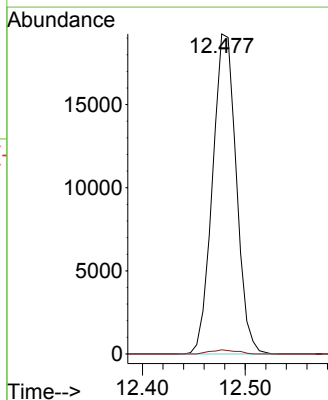
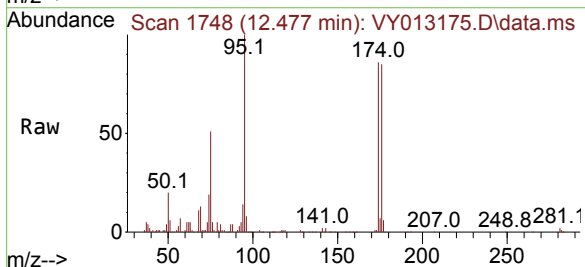
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-6A

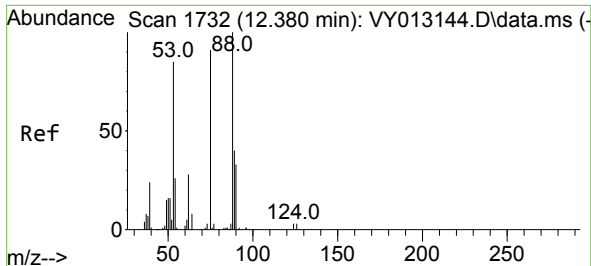
Tgt Ion:152 Resp: 70421
 Ion Ratio Lower Upper
 152 100
 115 55.4 27.1 81.3
 150 157.6 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 39.048 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013175.D
 Acq: 03 Apr 2023 14:58

Tgt Ion: 75 Resp: 30891
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

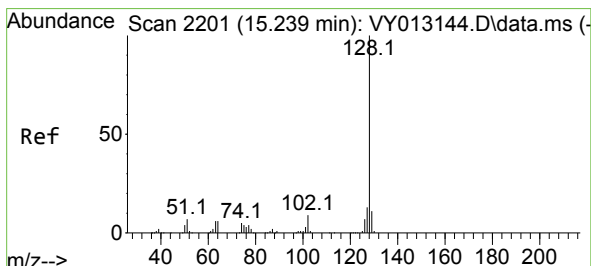
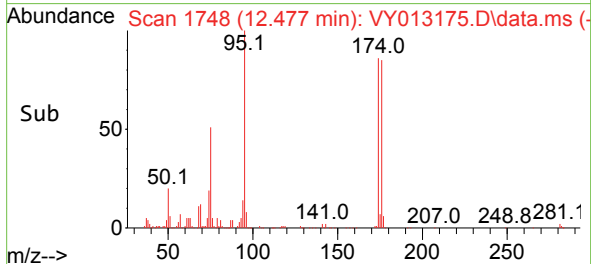
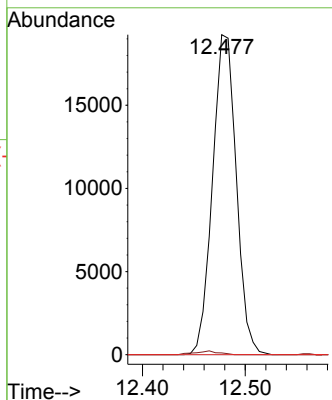
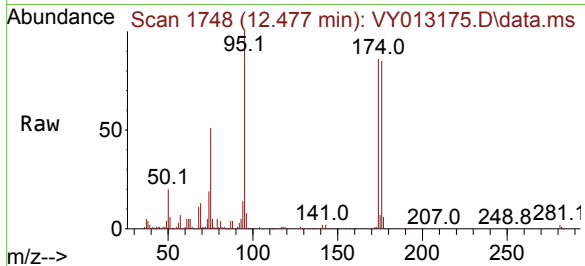




#81
trans-1,4-Dichloro-2-butene
Concen: 87.082 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY013175.D
Acq: 03 Apr 2023 14:58

Instrument :
MSVOA_Y
ClientSampleId :
SB-6A

Tgt Ion: 75 Resp: 30891
Ion Ratio Lower Upper
75 100
53 1.1 73.4 110.0#
89 0.0 36.6 55.0#



#95
Naphthalene
Concen: 3.359 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY013175.D
Acq: 03 Apr 2023 14:58

Tgt Ion: 128 Resp: 356
Ion Ratio Lower Upper
128 100
127 11.2 10.3 15.5
129 5.9 8.6 13.0#

