

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040323\
 Data File : VY013171.D
 Acq On : 03 Apr 2023 13:24
 Operator : KP/MD
 Sample : 02163-02
 Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2A

Quant Time: Apr 03 23:07:59 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)

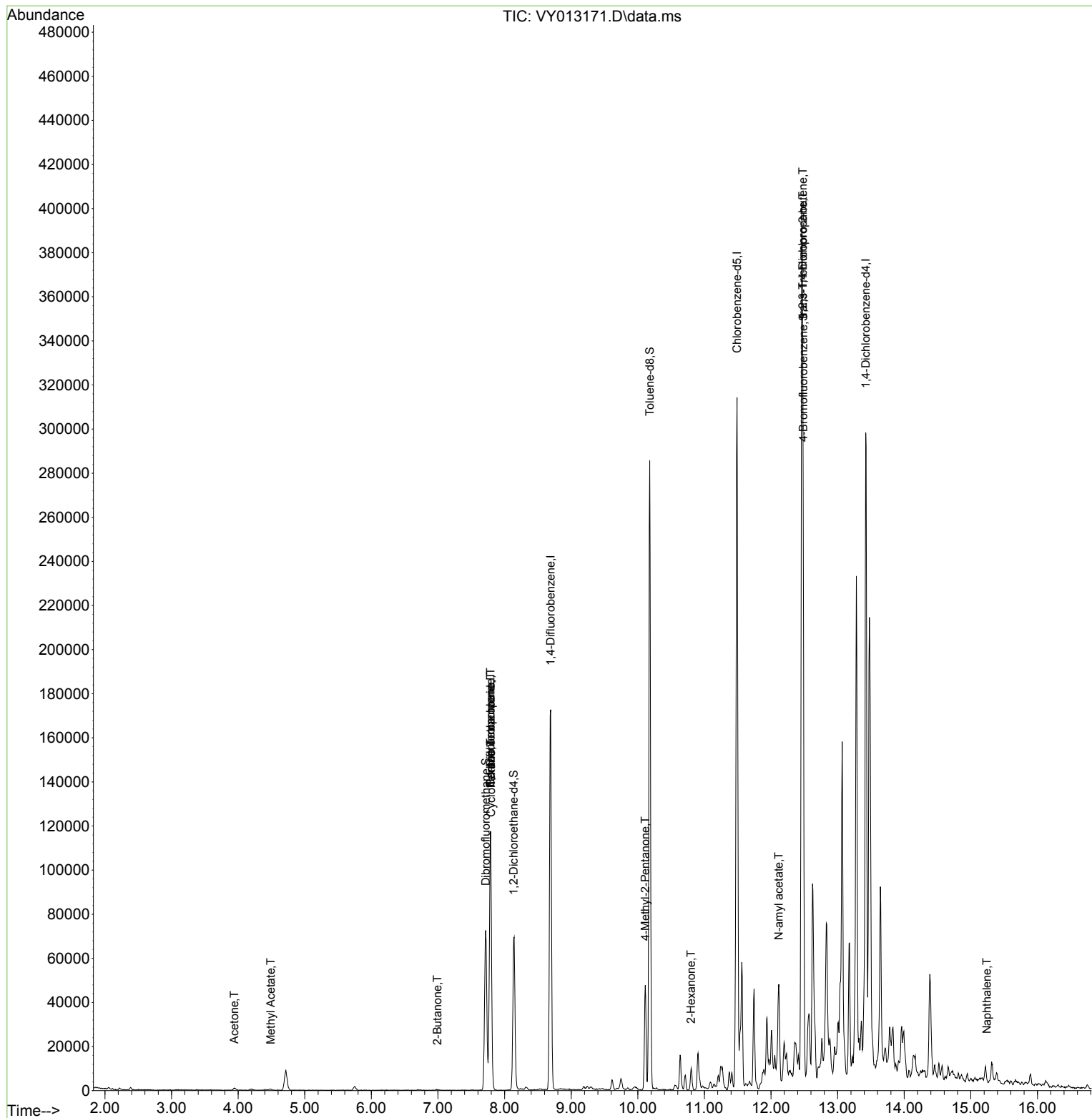
Internal Standards						
1) Pentafluorobenzene	7.789	168	93029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	152064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	154045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	78671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	55664	55.677	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.360%	
35) Dibromofluoromethane	7.716	113	50154	50.488	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.980%	
50) Toluene-d8	10.179	98	186371	49.697	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.400%	
62) 4-Bromofluorobenzene	12.483	95	69147	56.646	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 113.300%	
Target Compounds						Qvalue
16) Acetone	3.942	43	1731	5.662	ug/l #	85
18) Methyl Acetate	4.491	43	1107	1.149	ug/l #	83
25) 2-Butanone	6.990	43	691	1.808	ug/l #	49
31) Cyclohexane	7.795	56	1816	1.113	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	6455	4.316	ug/l #	51
38) Carbon Tetrachloride	7.789	117	8765	5.312	ug/l #	15
51) 4-Methyl-2-Pentanone	10.112	43	5170	6.300	ug/l #	80
59) 2-Hexanone	10.801	43	3322	5.597	ug/l #	28
74) N-amyl acetate	12.117	43	10504	7.045	ug/l #	74
76) 1,2,3-Trichloropropane	12.477	75	36219	40.982	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	36219	91.395	ug/l #	22
95) Naphthalene	15.239	128	557	3.410	ug/l #	1

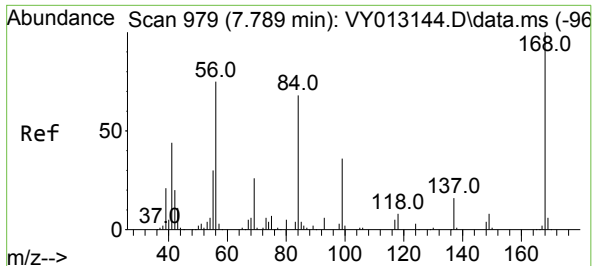
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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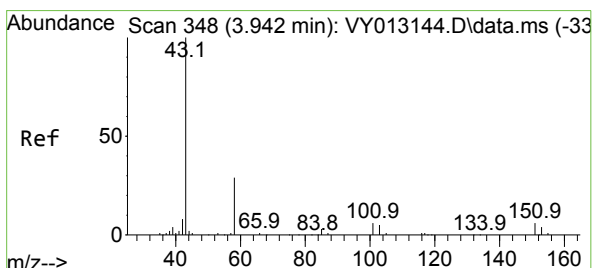
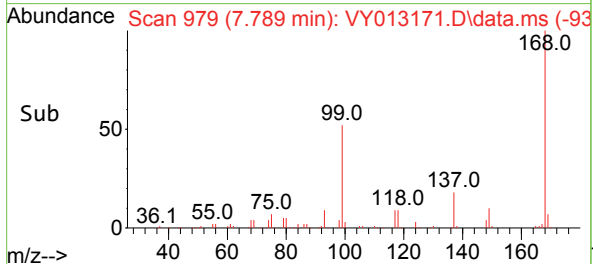
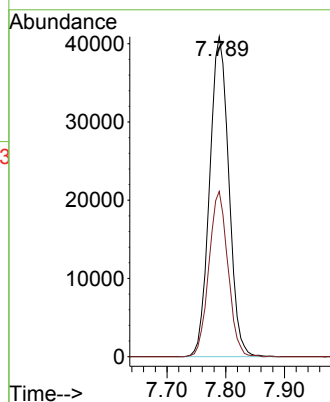
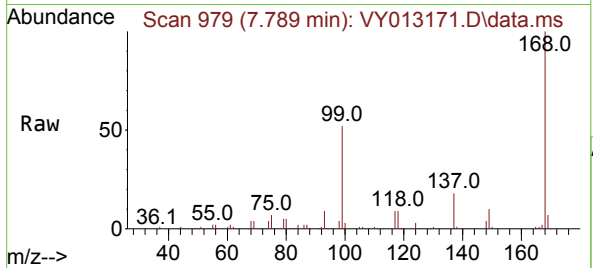




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013171.D
Acq: 03 Apr 2023 13:24

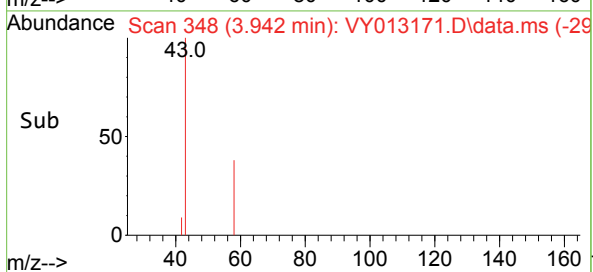
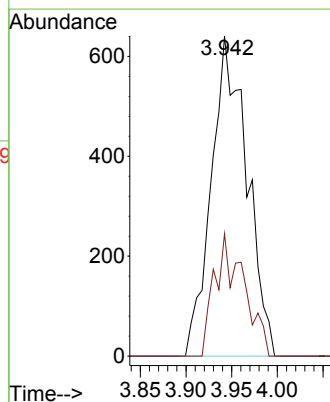
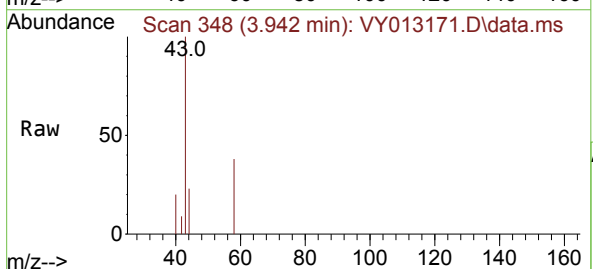
Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

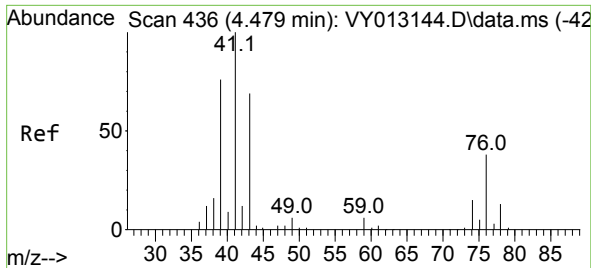
Tgt Ion:168 Resp: 93029
Ion Ratio Lower Upper
168 100
99 51.7 41.7 62.5



#16
Acetone
Concen: 5.662 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY013171.D
Acq: 03 Apr 2023 13:24

Tgt Ion: 43 Resp: 1731
Ion Ratio Lower Upper
43 100
58 38.2 24.2 36.2#





#18

Methyl Acetate

Concen: 1.149 ug/l

RT: 4.491 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY013171.D

Acq: 03 Apr 2023 13:24

Instrument :

MSVOA_Y

ClientSampleId :

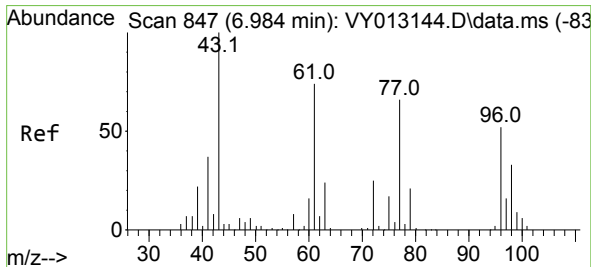
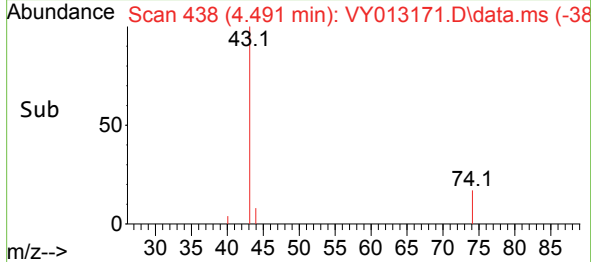
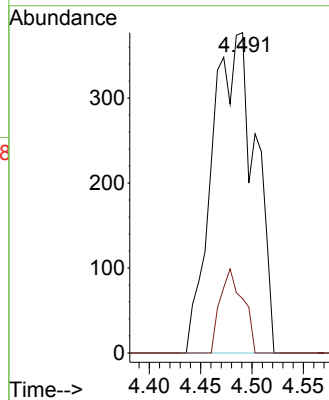
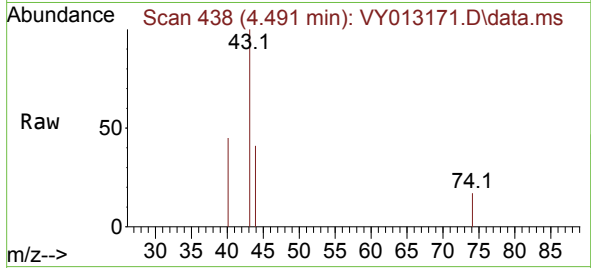
SB-2A

Tgt Ion: 43 Resp: 1107

Ion Ratio Lower Upper

43 100

74 13.8 17.4 26.0#



#25

2-Butanone

Concen: 1.808 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY013171.D

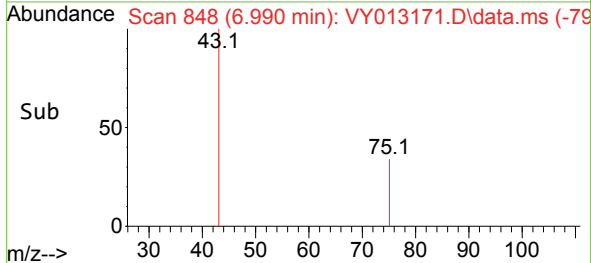
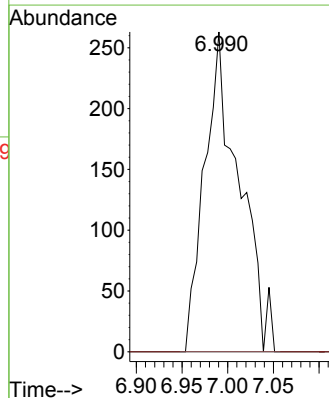
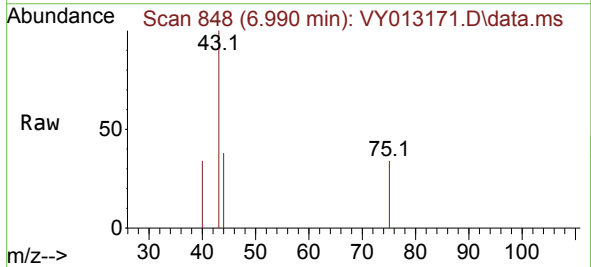
Acq: 03 Apr 2023 13:24

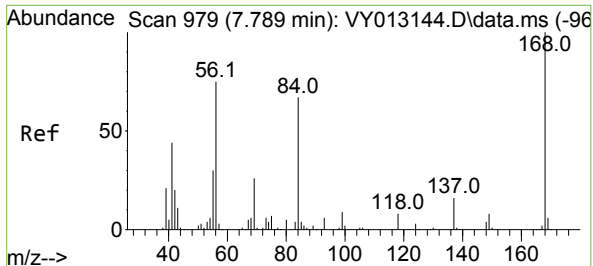
Tgt Ion: 43 Resp: 691

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#

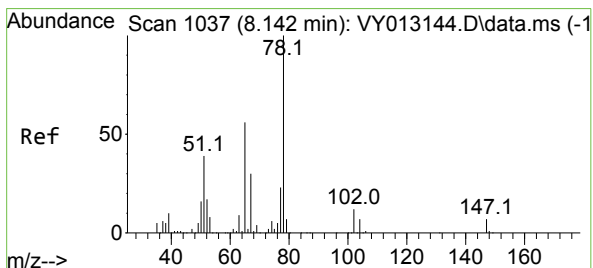
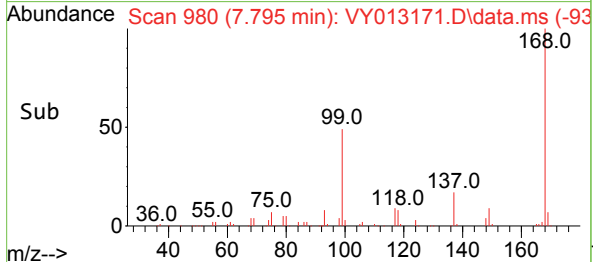
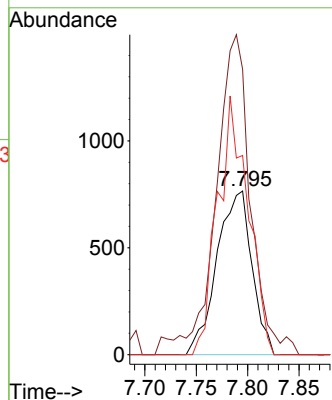
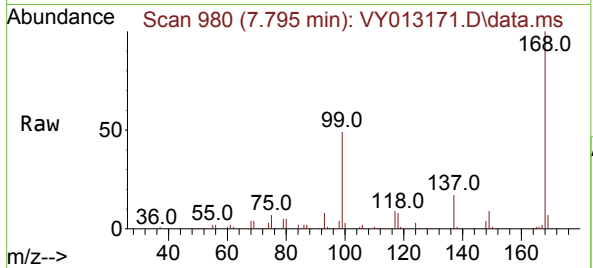




#31
Cyclohexane
Concen: 1.113 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013171.D
Acq: 03 Apr 2023 13:24

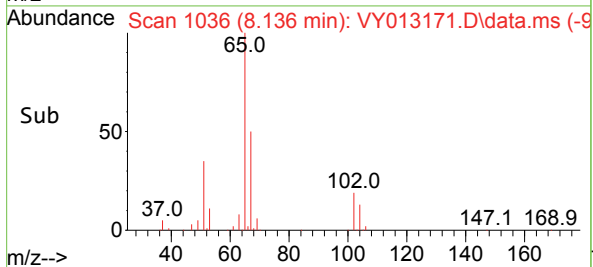
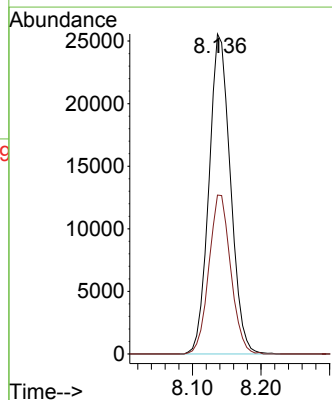
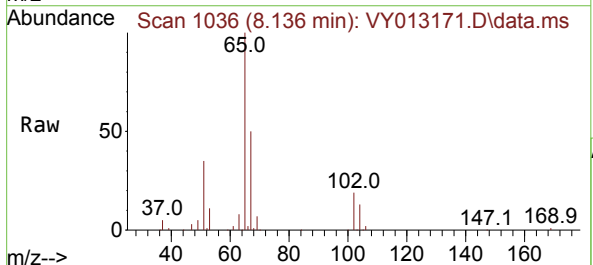
Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

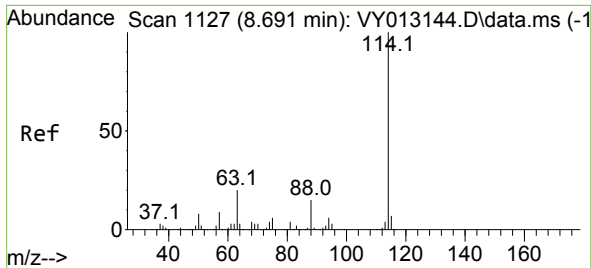
Tgt Ion: 56 Resp: 1816
Ion Ratio Lower Upper
56 100
69 167.4 25.7 38.5#
84 121.7 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 55.677 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY013171.D
Acq: 03 Apr 2023 13:24

Tgt Ion: 65 Resp: 55664
Ion Ratio Lower Upper
65 100
67 50.4 0.0 104.0

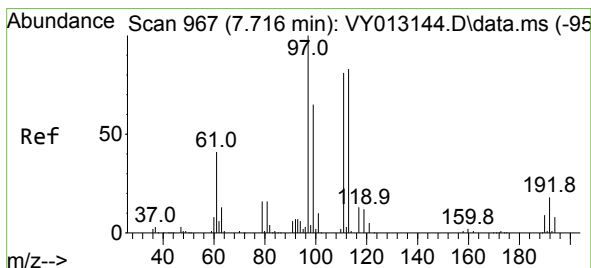
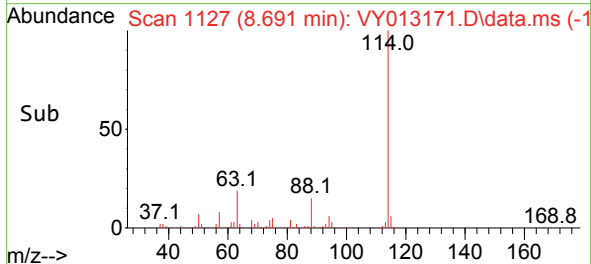
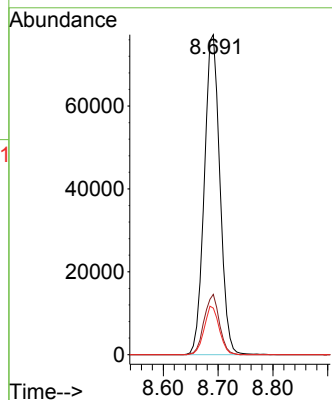
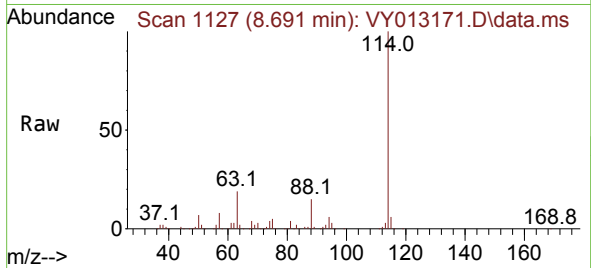




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013171.D
Acq: 03 Apr 2023 13:24

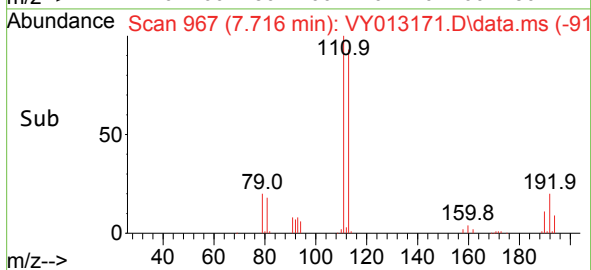
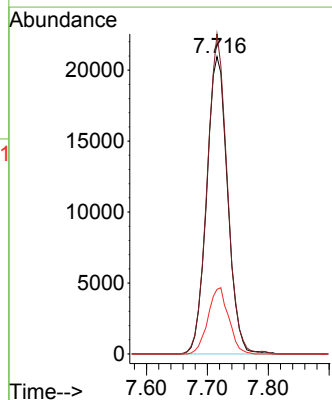
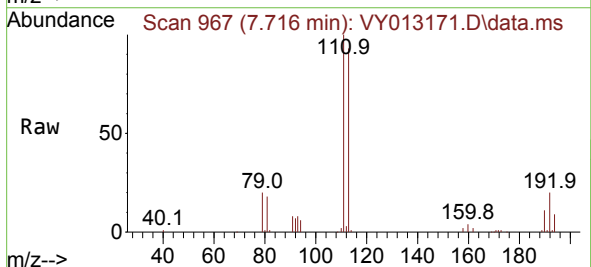
Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

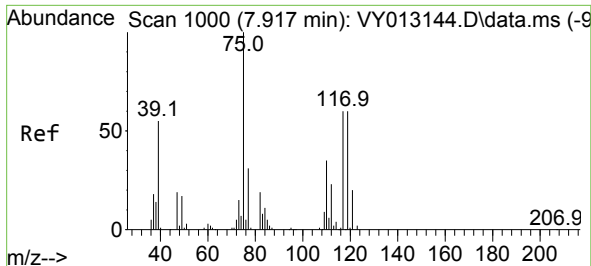
Tgt Ion:114 Resp: 152064
Ion Ratio Lower Upper
114 100
63 18.9 0.0 37.4
88 14.6 0.0 28.6



#35
Dibromofluoromethane
Concen: 50.488 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013171.D
Acq: 03 Apr 2023 13:24

Tgt Ion:113 Resp: 50154
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 21.9 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.316 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013171.D

Acq: 03 Apr 2023 13:24

Instrument :

MSVOA_Y

ClientSampleId :

SB-2A

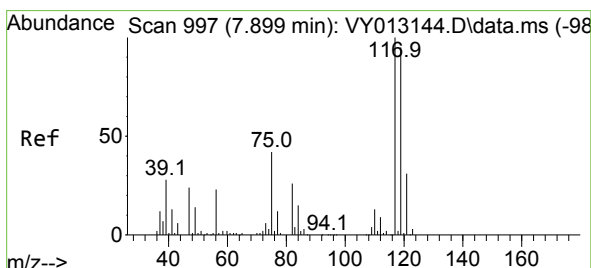
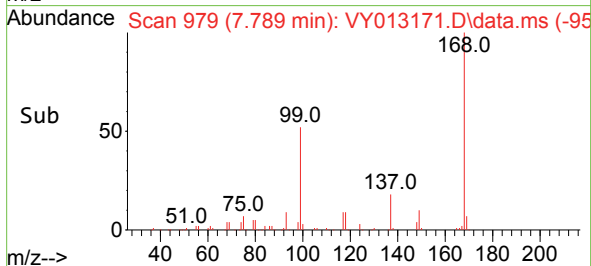
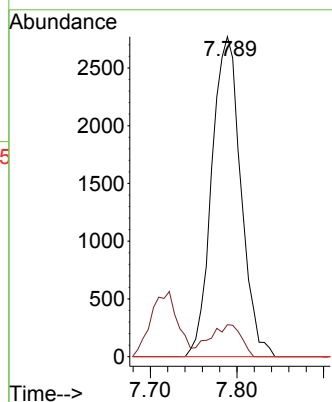
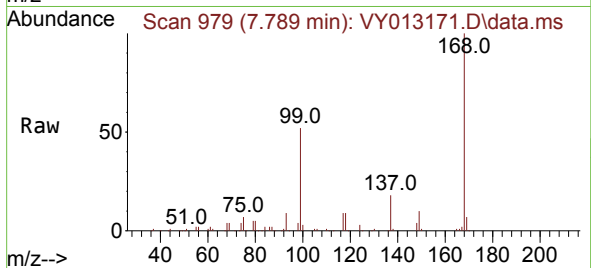
Tgt Ion: 75 Resp: 6455

Ion Ratio Lower Upper

75 100

110 10.6 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.312 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013171.D

Acq: 03 Apr 2023 13:24

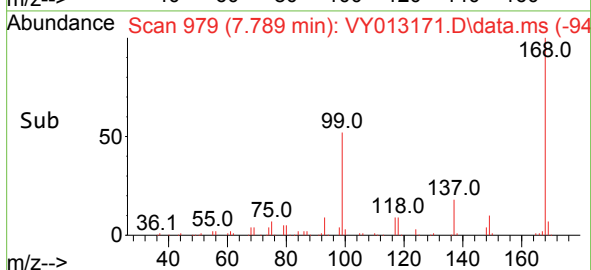
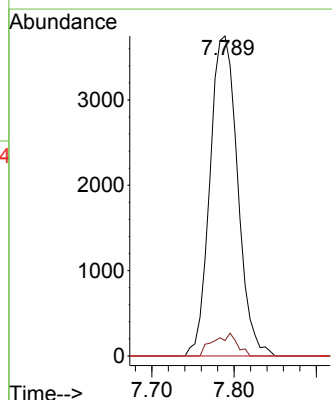
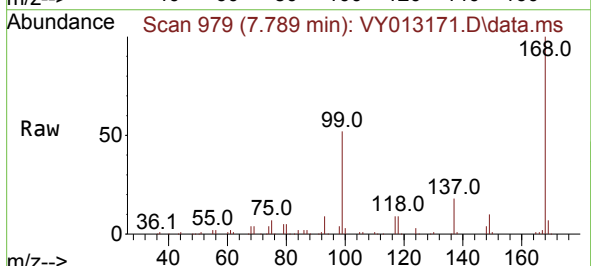
Tgt Ion: 117 Resp: 8765

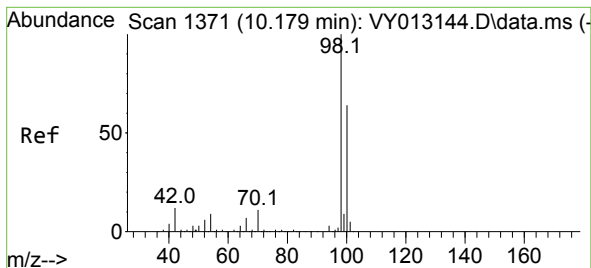
Ion Ratio Lower Upper

117 100

119 4.8 77.2 115.8#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 49.697 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013171.D

Acq: 03 Apr 2023 13:24

Instrument :

MSVOA_Y

ClientSampleId :

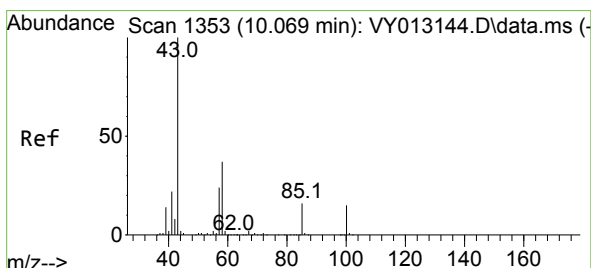
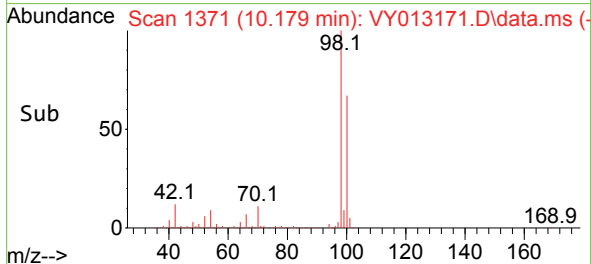
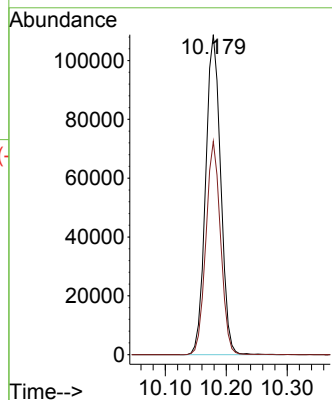
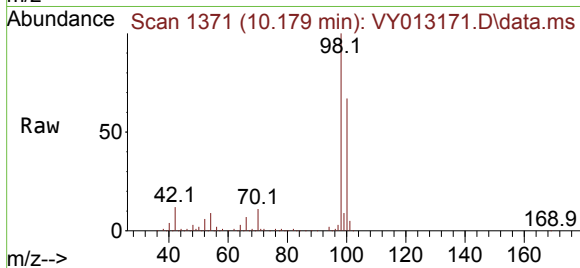
SB-2A

Tgt Ion: 98 Resp: 186371

Ion Ratio Lower Upper

98 100

100 65.1 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 6.300 ug/l

RT: 10.112 min Scan# 1360

Delta R.T. 0.043 min

Lab File: VY013171.D

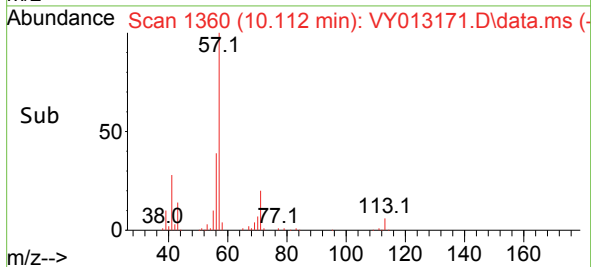
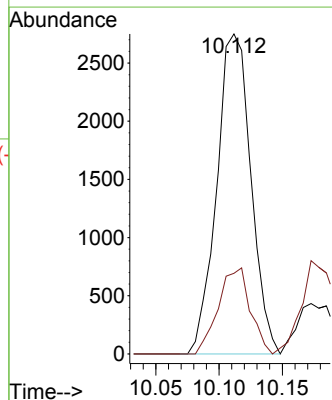
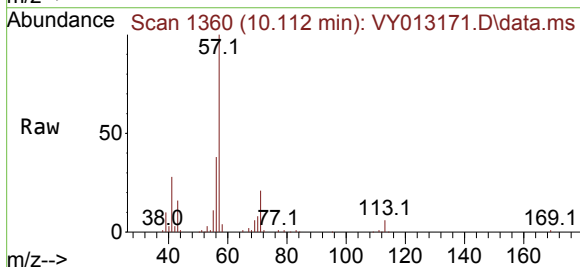
Acq: 03 Apr 2023 13:24

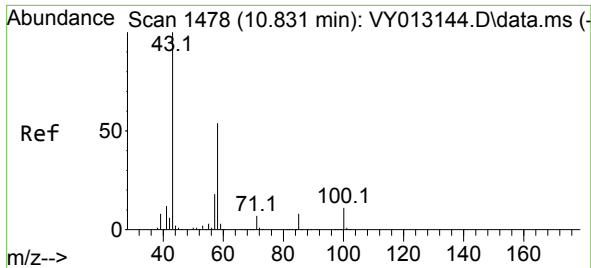
Tgt Ion: 43 Resp: 5170

Ion Ratio Lower Upper

43 100

58 25.1 29.8 44.6#

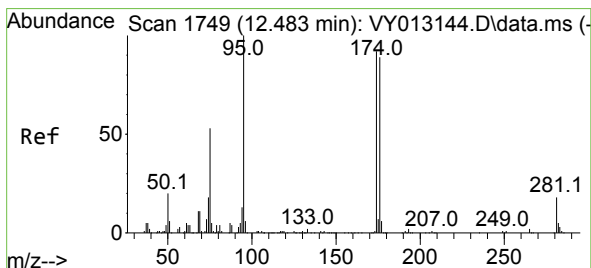
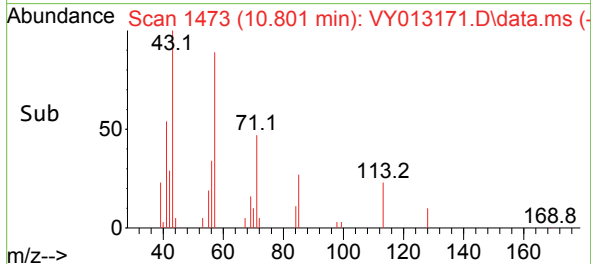
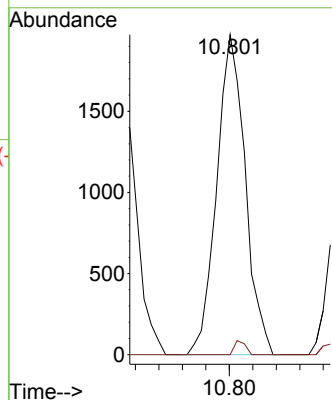
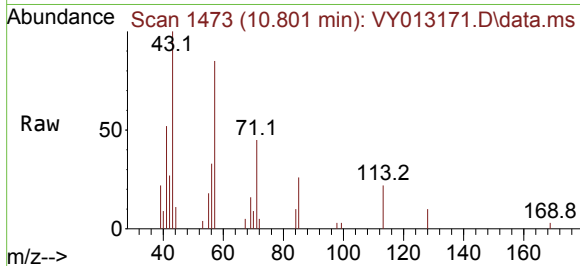




#59
2-Hexanone
Concen: 5.597 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY013171.D
Acq: 03 Apr 2023 13:24

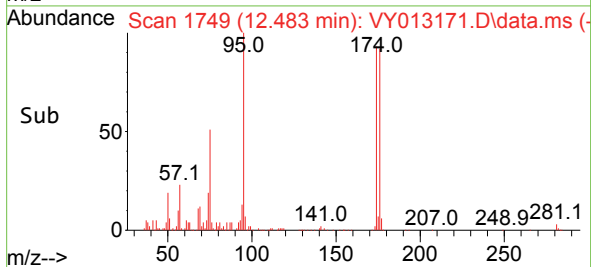
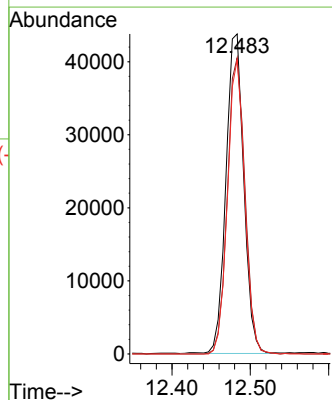
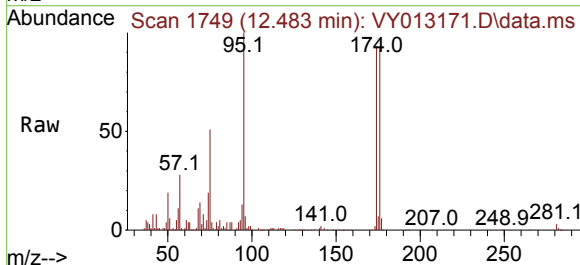
Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

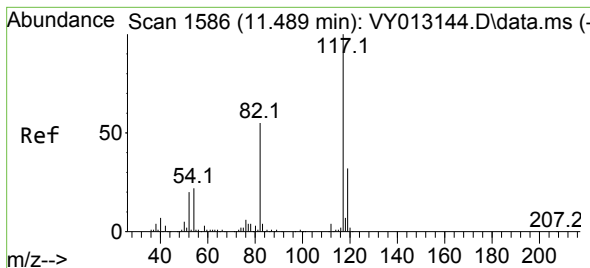
Tgt Ion: 43 Resp: 3322
Ion Ratio Lower Upper
43 100
58 1.7 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 56.646 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013171.D
Acq: 03 Apr 2023 13:24

Tgt Ion: 95 Resp: 69147
Ion Ratio Lower Upper
95 100
174 91.4 0.0 176.6
176 89.0 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: VY013171.D

Acq: 03 Apr 2023 13:24

Instrument :

MSVOA_Y

ClientSampleId :

SB-2A

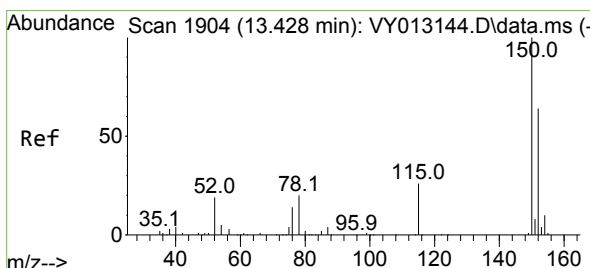
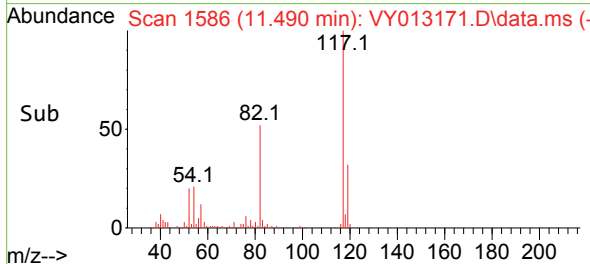
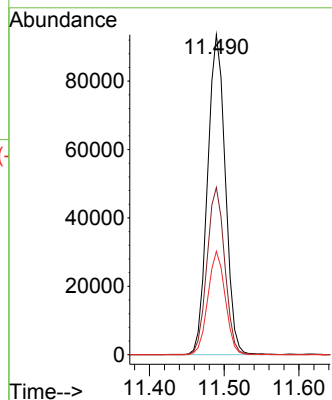
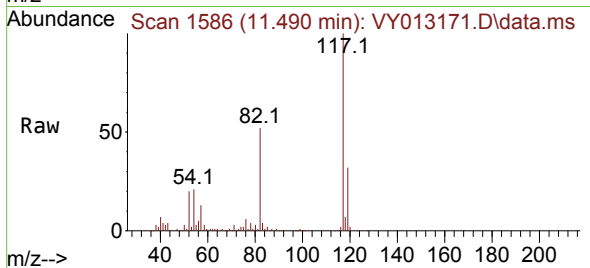
Tgt Ion:117 Resp: 154045

Ion Ratio Lower Upper

117 100

82 52.2 45.4 68.0

119 32.3 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: VY013171.D

Acq: 03 Apr 2023 13:24

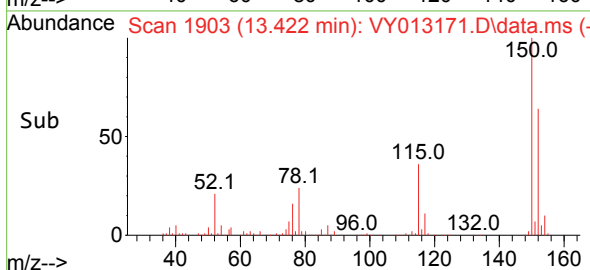
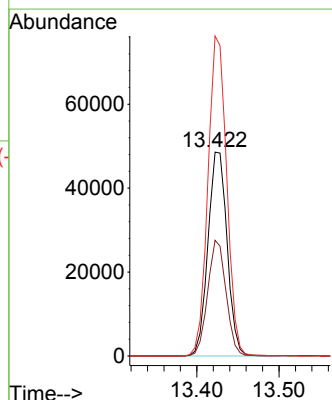
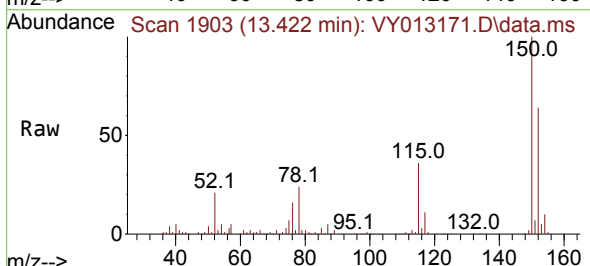
Tgt Ion:152 Resp: 78671

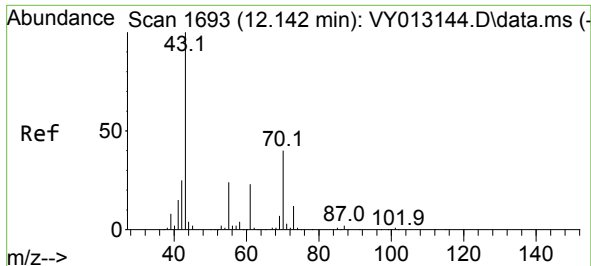
Ion Ratio Lower Upper

152 100

115 54.3 27.1 81.3

150 153.7 0.0 347.8

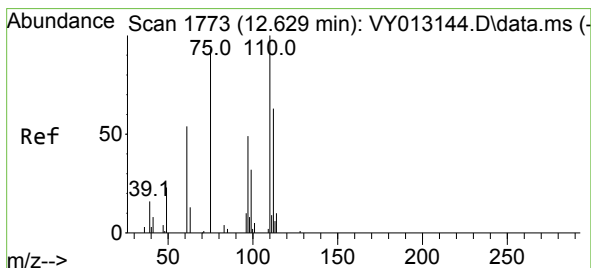
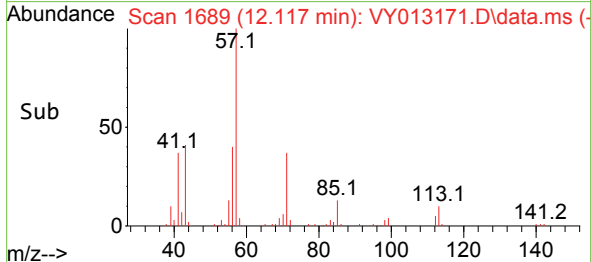
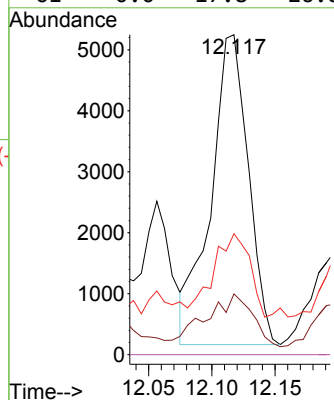
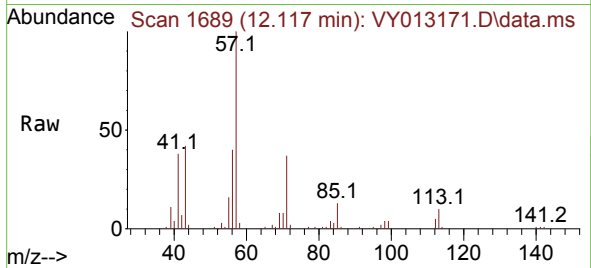




#74
N-amy1 acetate
Concen: 7.045 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.025 min
Lab File: VY013171.D
Acq: 03 Apr 2023 13:24

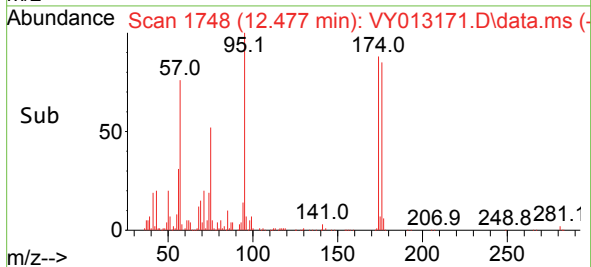
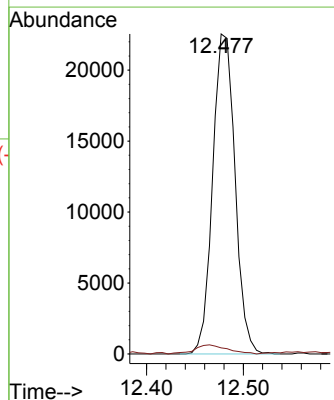
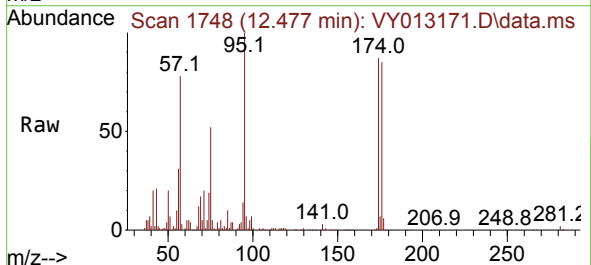
Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

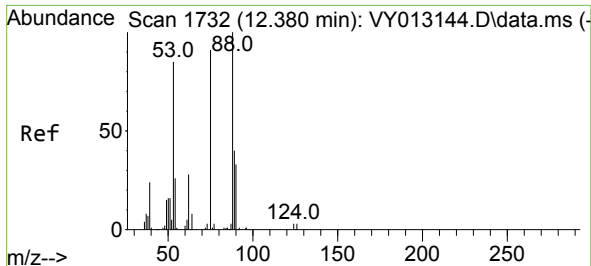
Tgt Ion: 43 Resp: 10504
Ion Ratio Lower Upper
43 100
70 21.4 31.6 47.4#
55 24.4 18.8 28.2
61 0.0 17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 40.982 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013171.D
Acq: 03 Apr 2023 13:24

Tgt Ion: 75 Resp: 36219
Ion Ratio Lower Upper
75 100
77 4.1 0.0 0.0#

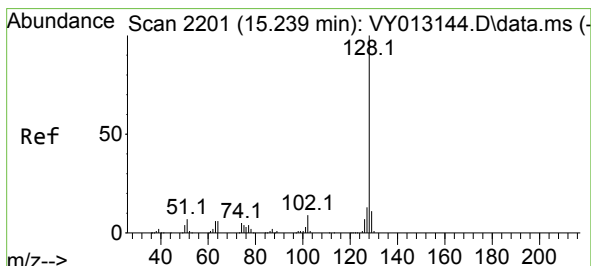
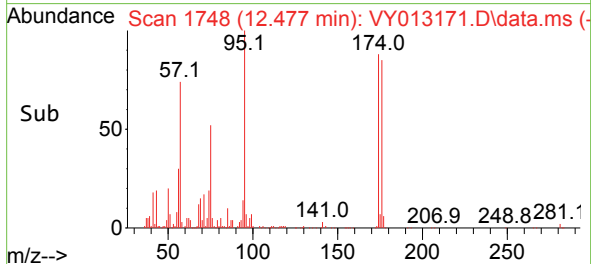
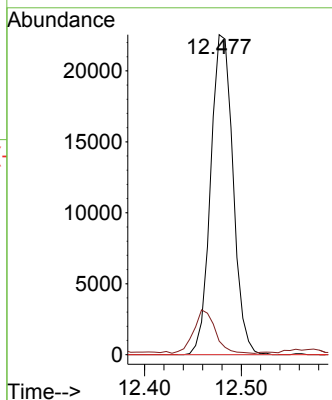
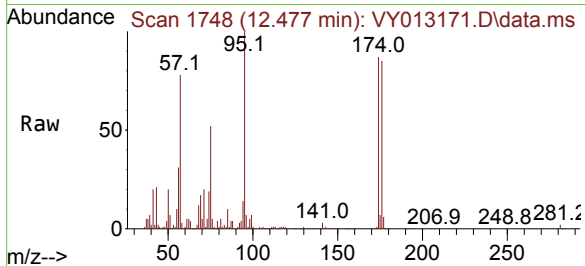




#81
trans-1,4-Dichloro-2-butene
Concen: 91.395 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY013171.D
Acq: 03 Apr 2023 13:24

Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

Tgt Ion: 75 Resp: 36219
Ion Ratio Lower Upper
75 100
53 13.1 73.4 110.0#
89 0.0 36.6 55.0#



#95
Naphthalene
Concen: 3.410 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY013171.D
Acq: 03 Apr 2023 13:24

Tgt Ion:128 Resp: 557
Ion Ratio Lower Upper
128 100
127 95.2 10.3 15.5#
129 0.0 8.6 13.0#

