

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013421.D
 Acq On : 25 Apr 2023 02:17
 Operator : KP/MD
 Sample : 02427-02
 Misc : 3.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230287-24-1

Quant Time: Apr 25 07:14:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

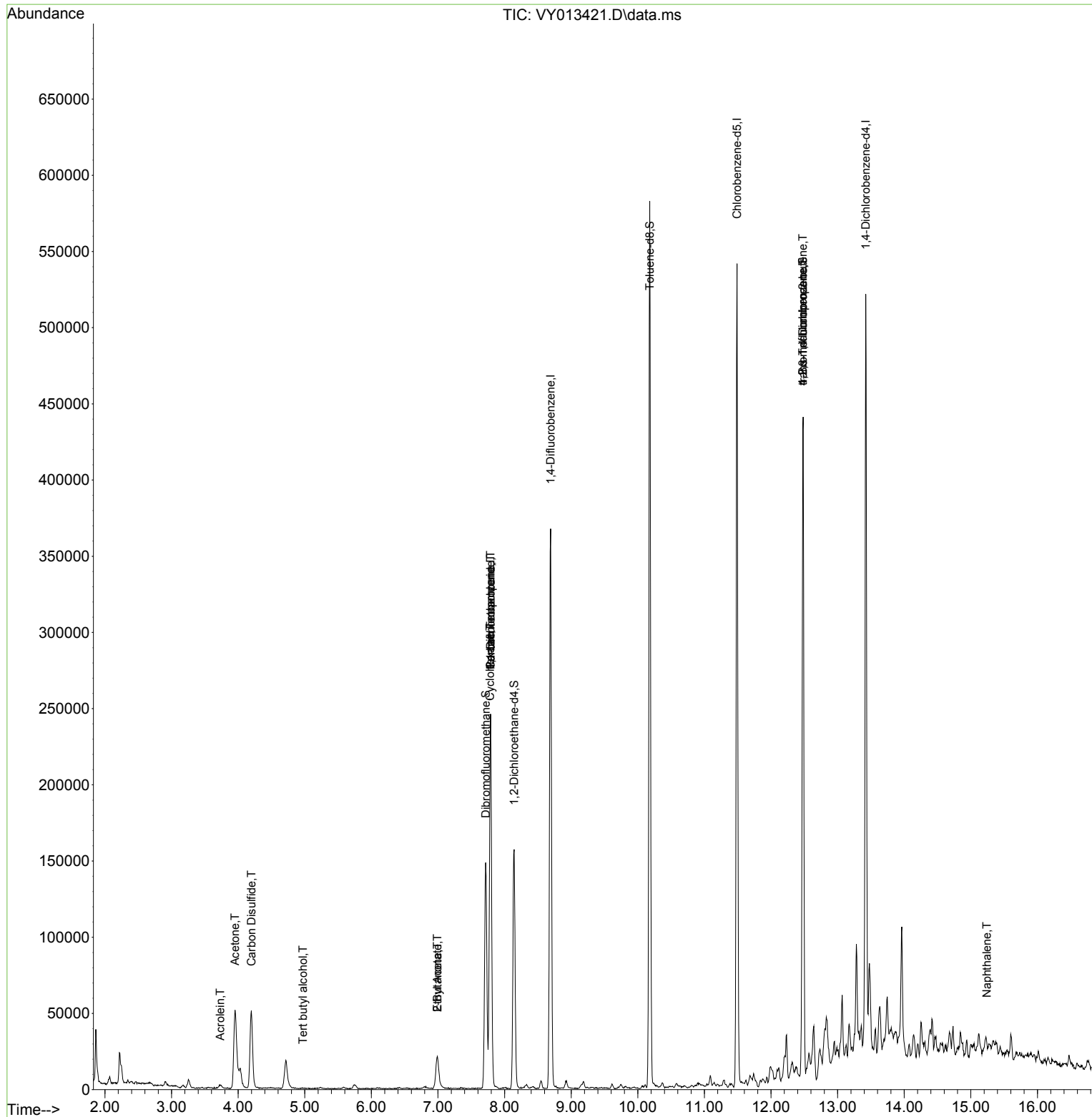
Internal Standards						
1) Pentafluorobenzene	7.789	168	187691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	311963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	277459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	126020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	123774	60.157	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.320%	
35) Dibromofluoromethane	7.716	113	104463	53.240	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.480%	
50) Toluene-d8	10.179	98	370745	53.115	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.240%	
62) 4-Bromofluorobenzene	12.477	95	121633	51.690	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.380%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	325	2.049	ug/l #	89
13) Acrolein	3.729	56	2634	6.011	ug/l #	62
16) Acetone	3.954	43	111108	137.125	ug/l	94
17) Carbon Disulfide	4.198	76	104282	16.458	ug/l	98
20) Methylene Chloride	4.722	84	12679	Below Cal		87
25) 2-Butanone	6.990	43	31239	30.400	ug/l	90
31) Cyclohexane	7.783	56	5020	1.363	ug/l #	43
36) 1,1-Dichloropropene	7.789	75	14201	4.361	ug/l #	49
37) Ethyl Acetate	6.990	43	31239	12.748	ug/l #	69
38) Carbon Tetrachloride	7.789	117	18905	5.539	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	64534	37.972	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64534	77.673	ug/l #	13
95) Naphthalene	15.239	128	6186	1.203	ug/l	95

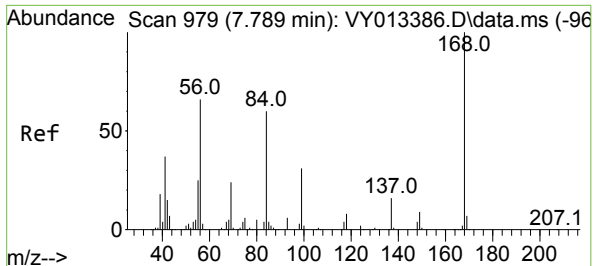
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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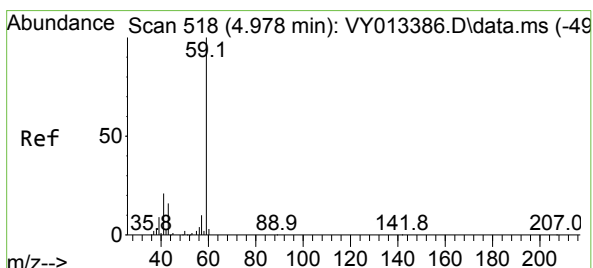
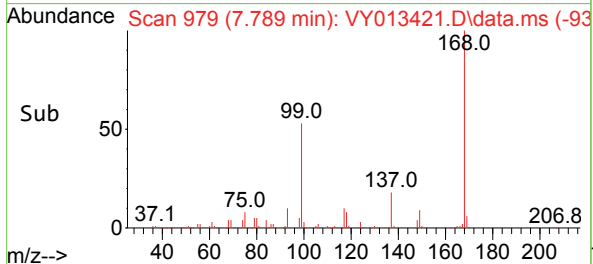
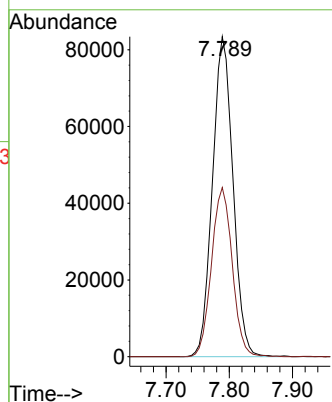
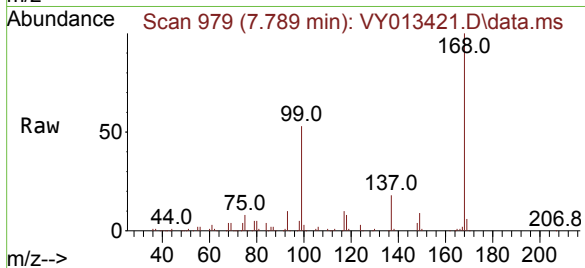




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013421.D
Acq: 25 Apr 2023 02:17

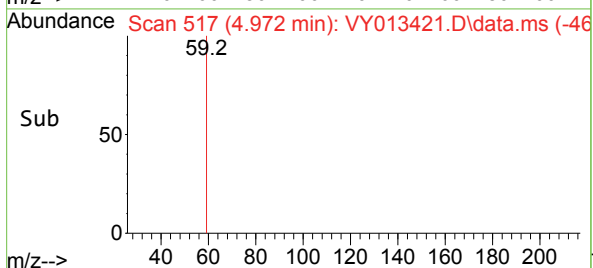
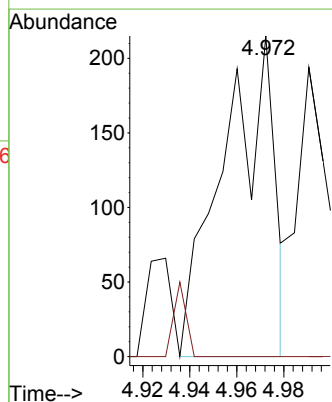
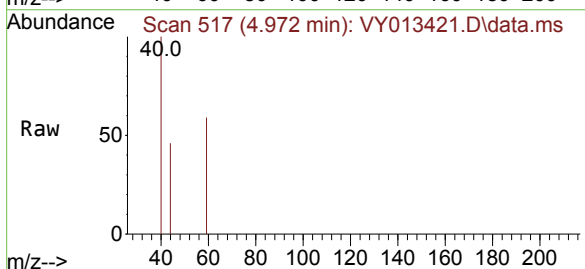
Instrument :
MSVOA_Y
ClientSampleId :
20230287-24-1

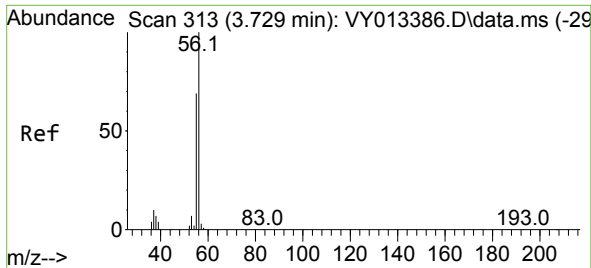
Tgt Ion:168 Resp: 187691
Ion Ratio Lower Upper
168 100
99 52.9 41.8 62.6



#11
Tert butyl alcohol
Concen: 2.049 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY013421.D
Acq: 25 Apr 2023 02:17

Tgt Ion: 59 Resp: 325
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

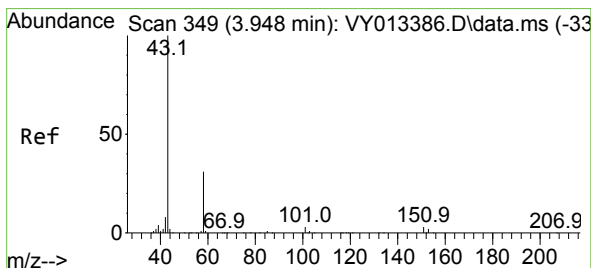
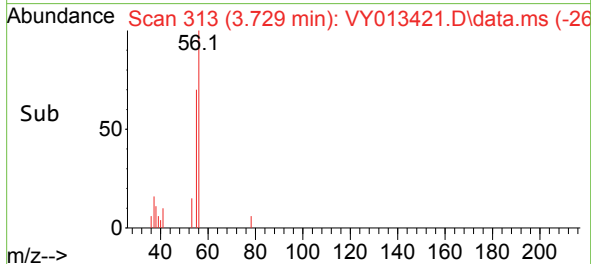
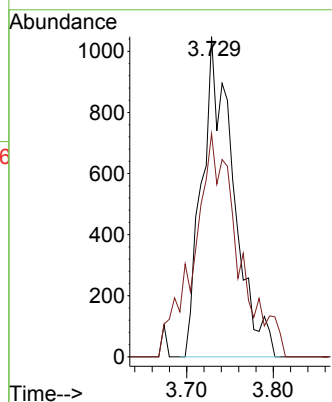
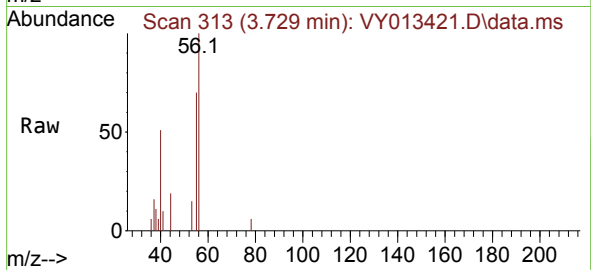




#13
Acrolein
Concen: 6.011 ug/l
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY013421.D
Acq: 25 Apr 2023 02:17

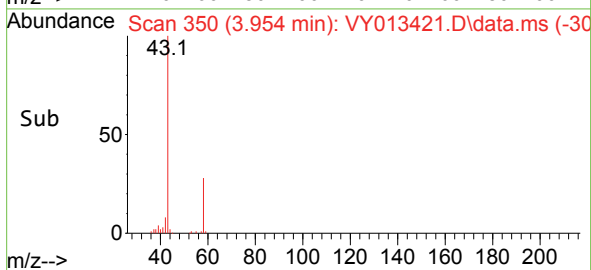
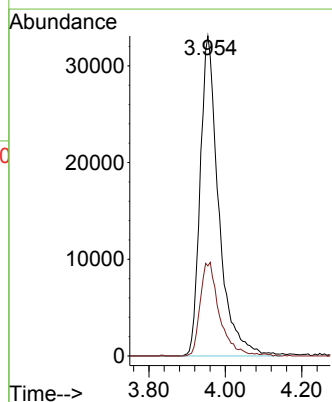
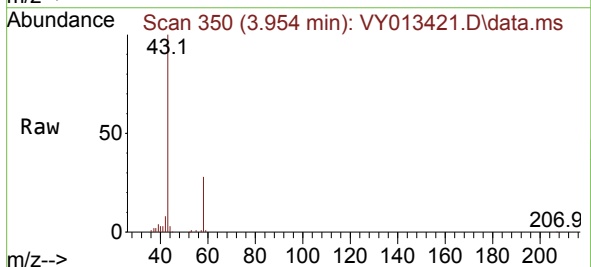
Instrument :
MSVOA_Y
ClientSampleId :
20230287-24-1

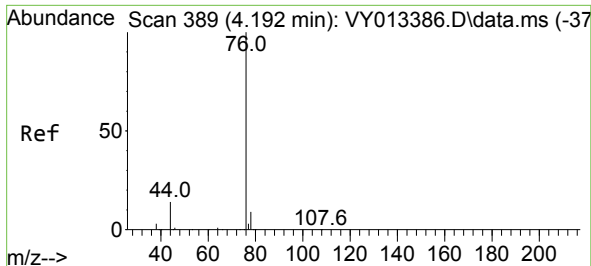
Tgt Ion: 56 Resp: 2634
Ion Ratio Lower Upper
56 100
55 98.4 54.1 81.1#



#16
Acetone
Concen: 137.125 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013421.D
Acq: 25 Apr 2023 02:17

Tgt Ion: 43 Resp: 111108
Ion Ratio Lower Upper
43 100
58 28.2 25.4 38.0

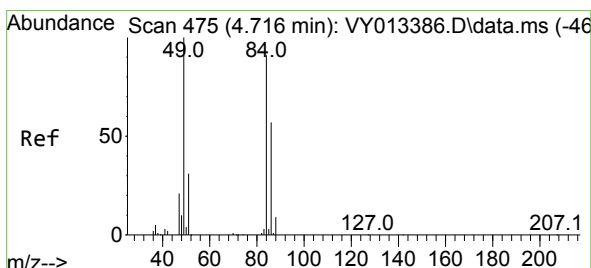
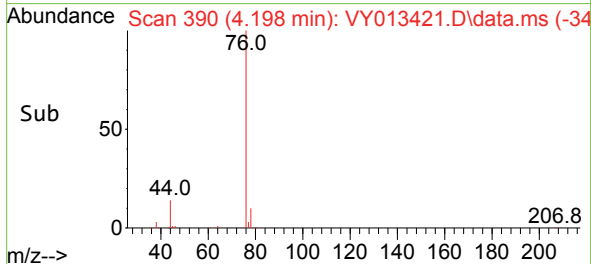
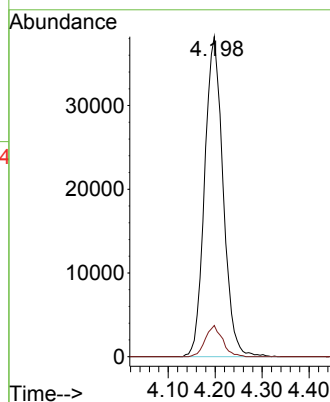
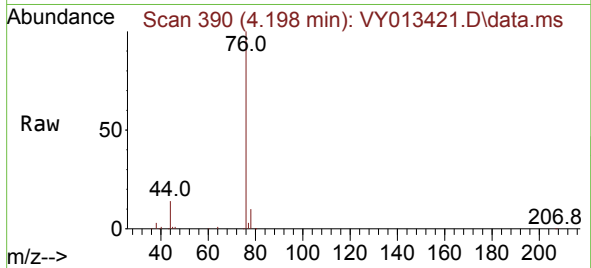




#17
Carbon Disulfide
Concen: 16.458 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY013421.D
Acq: 25 Apr 2023 02:17

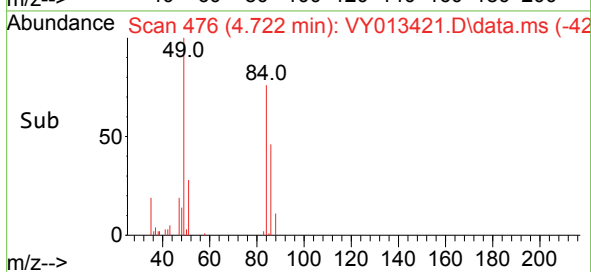
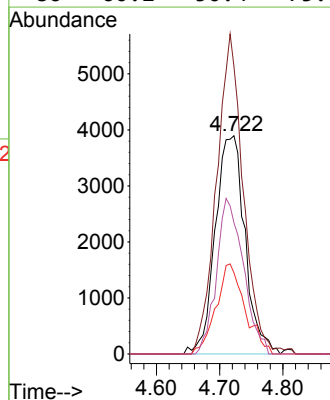
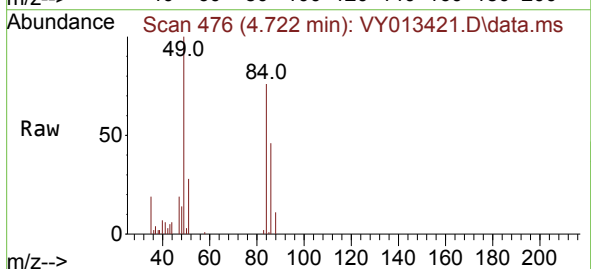
Instrument :
MSVOA_Y
ClientSampleId :
20230287-24-1

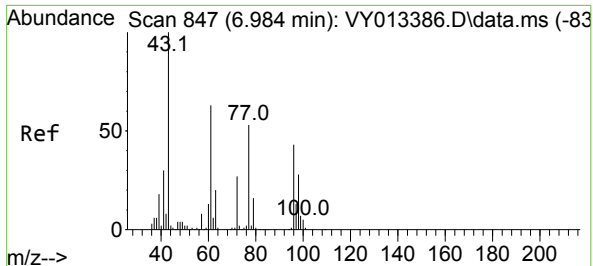
Tgt Ion: 76 Resp: 104282
Ion Ratio Lower Upper
76 100
78 9.8 7.2 10.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY013421.D
Acq: 25 Apr 2023 02:17

Tgt Ion: 84 Resp: 12679
Ion Ratio Lower Upper
84 100
49 131.7 88.0 132.0
51 37.2 27.4 41.0
86 60.2 50.4 75.6





#25

2-Butanone

Concen: 30.400 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY013421.D

Acq: 25 Apr 2023 02:17

Instrument :

MSVOA_Y

ClientSampleId :

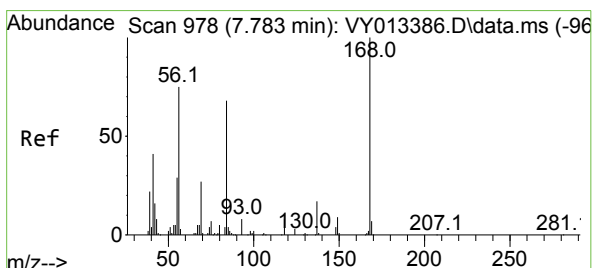
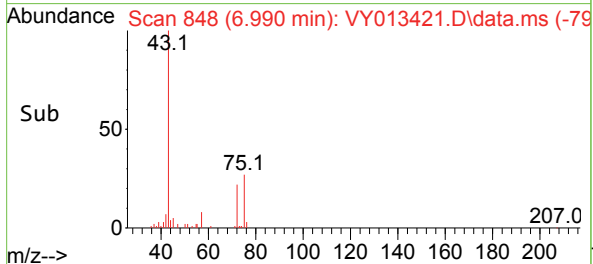
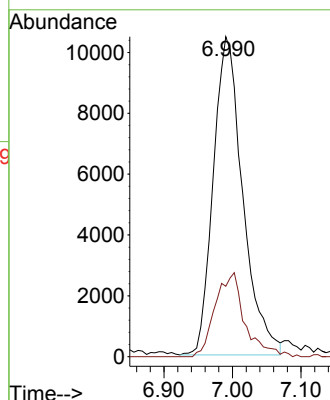
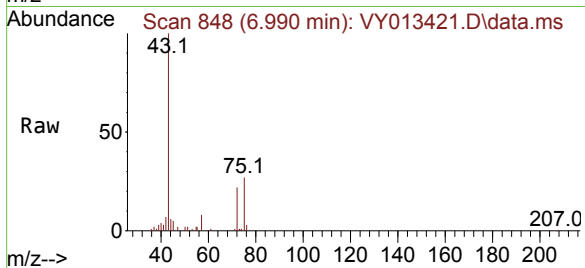
20230287-24-1

Tgt Ion: 43 Resp: 31239

Ion Ratio Lower Upper

43 100

72 22.1 21.9 32.9



#31

Cyclohexane

Concen: 1.363 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY013421.D

Acq: 25 Apr 2023 02:17

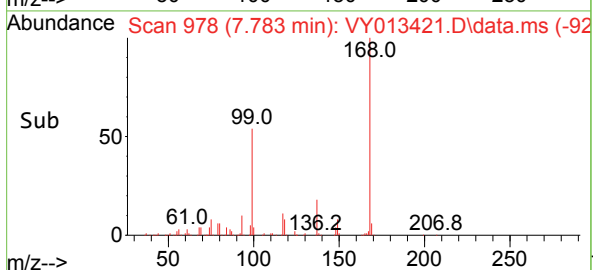
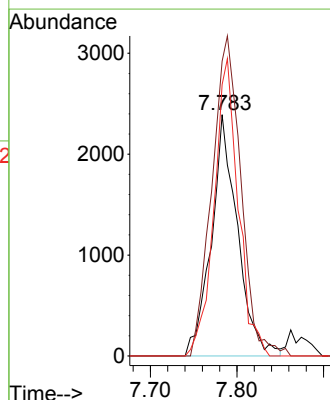
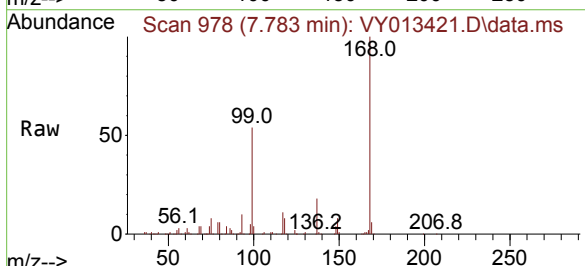
Tgt Ion: 56 Resp: 5020

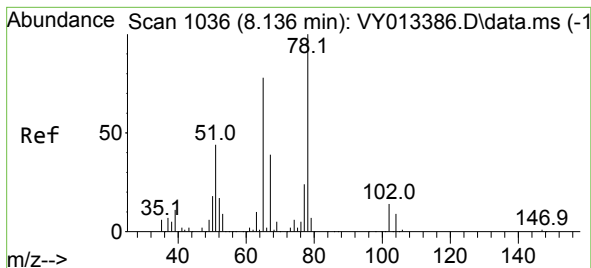
Ion Ratio Lower Upper

56 100

69 122.2 29.2 43.8#

84 112.5 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 60.157 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.007 min

Lab File: VY013421.D

Acq: 25 Apr 2023 02:17

Instrument :

MSVOA_Y

ClientSampleId :

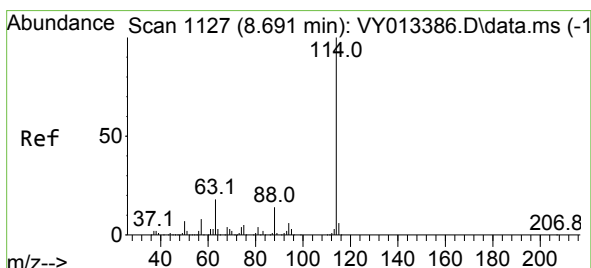
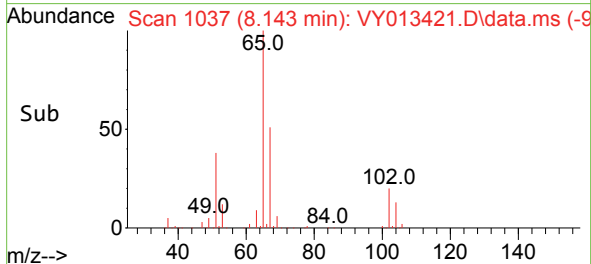
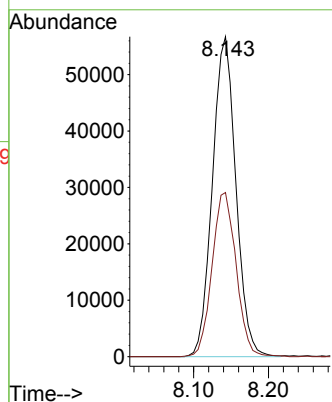
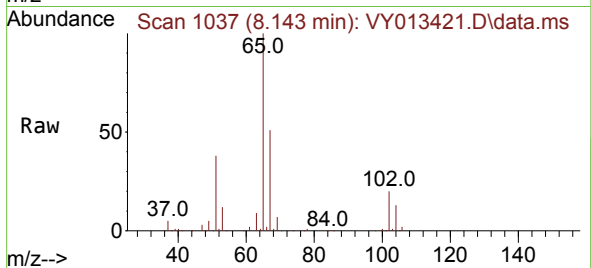
20230287-24-1

Tgt Ion: 65 Resp: 123774

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013421.D

Acq: 25 Apr 2023 02:17

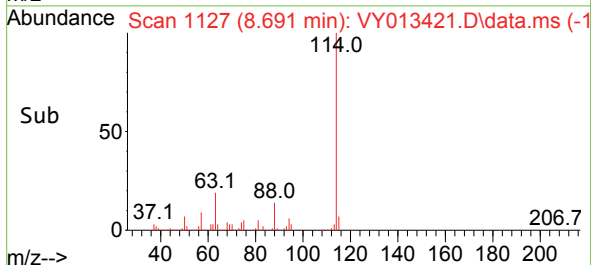
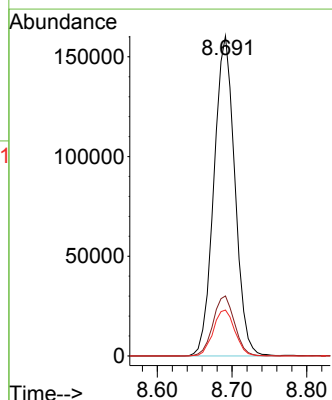
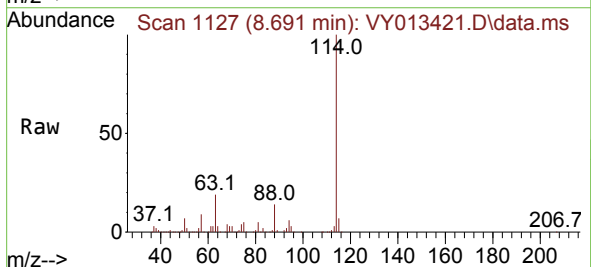
Tgt Ion:114 Resp: 311963

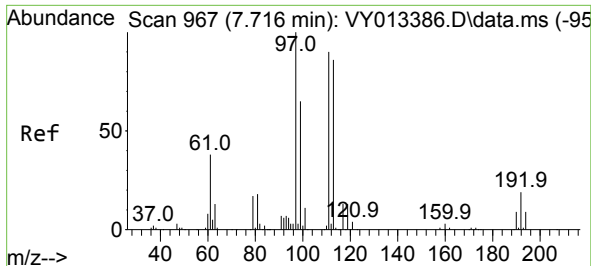
Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.6

88 14.3 0.0 28.8

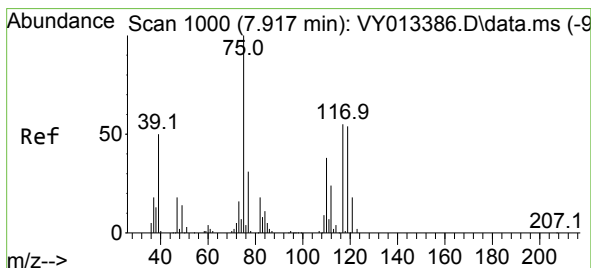
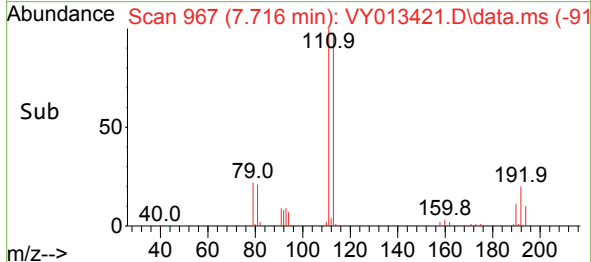
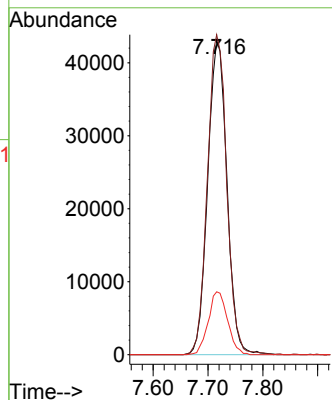
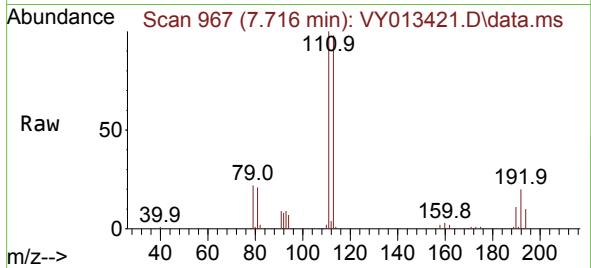




#35
Dibromofluoromethane
Concen: 53.240 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013421.D
Acq: 25 Apr 2023 02:17

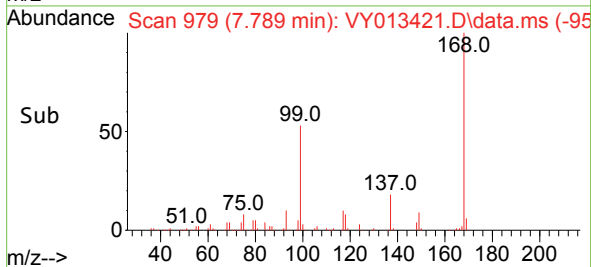
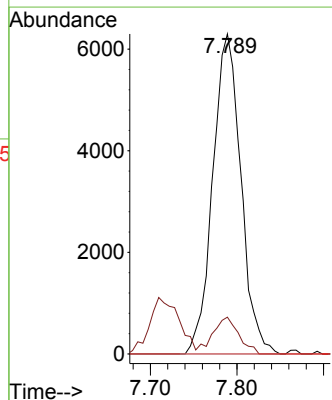
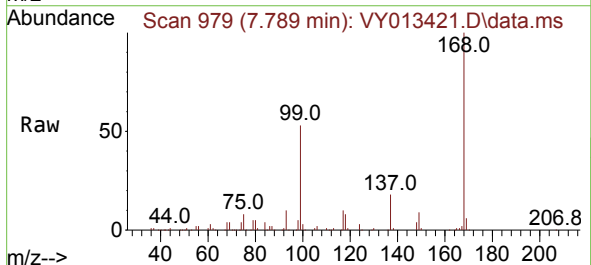
Instrument :
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20230287-24-1

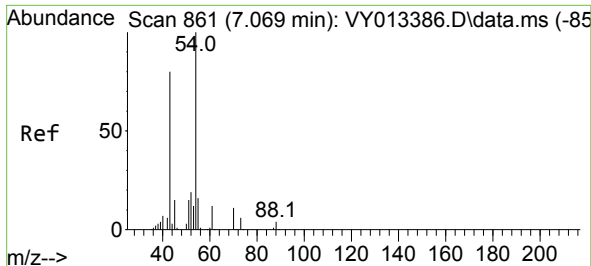
Tgt Ion:113 Resp: 104463
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 20.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.361 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013421.D
Acq: 25 Apr 2023 02:17

Tgt Ion: 75 Resp: 14201
Ion Ratio Lower Upper
75 100
110 9.7 18.7 56.1#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 12.748 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY013421.D

Acq: 25 Apr 2023 02:17

Instrument :

MSVOA_Y

ClientSampleId :

20230287-24-1

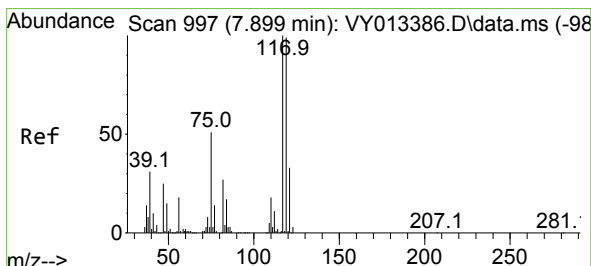
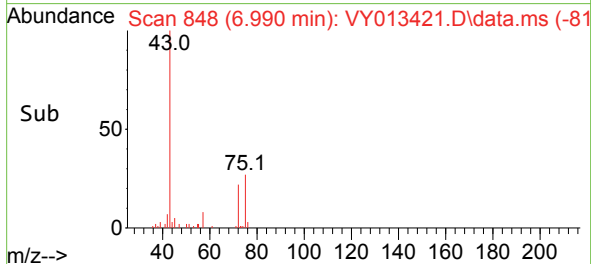
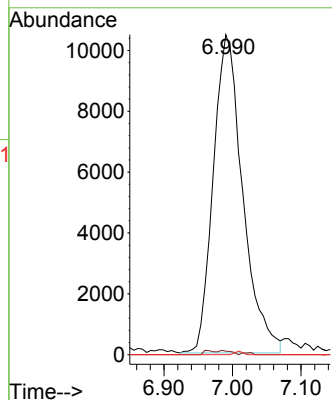
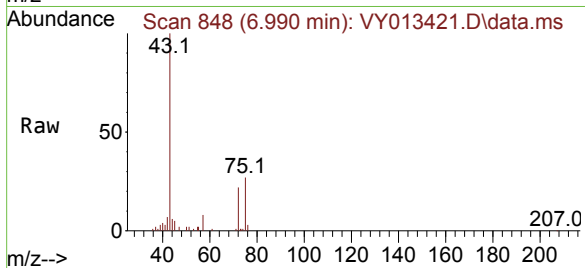
Tgt Ion: 43 Resp: 31239

Ion Ratio Lower Upper

43 100

61 0.5 11.4 17.0#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.539 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013421.D

Acq: 25 Apr 2023 02:17

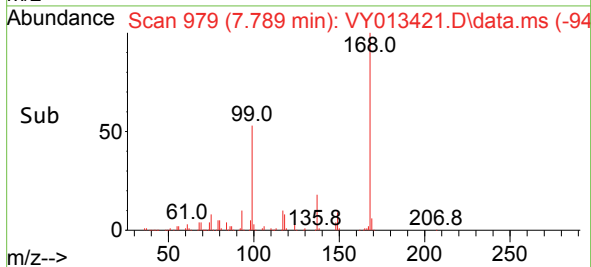
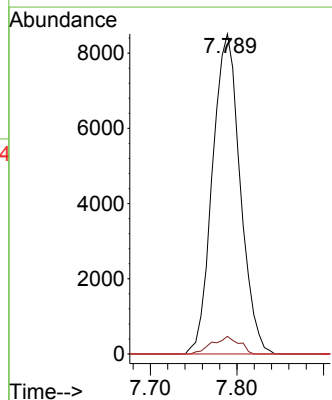
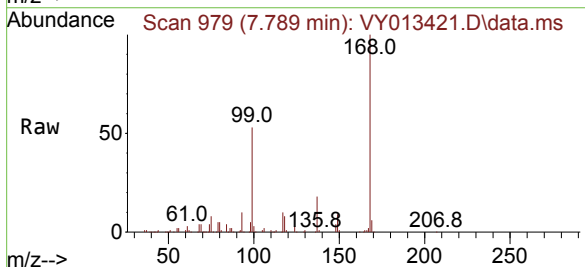
Tgt Ion: 117 Resp: 18905

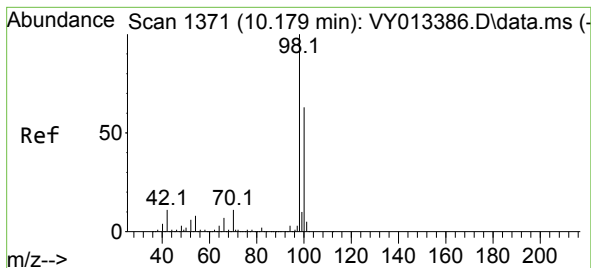
Ion Ratio Lower Upper

117 100

119 5.5 79.0 118.6#

121 0.0 26.6 40.0#

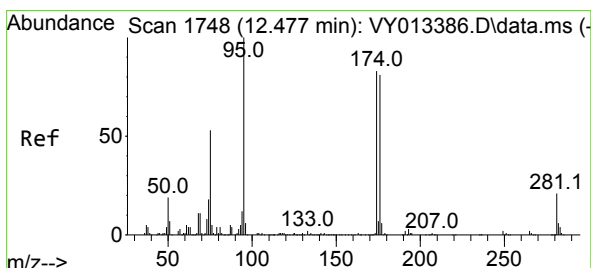
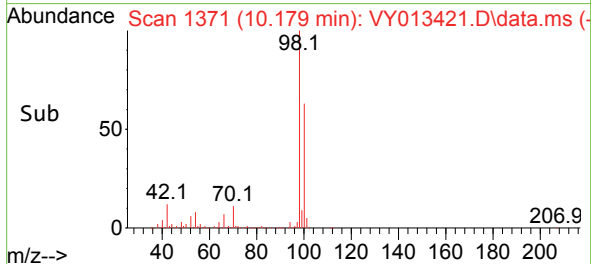
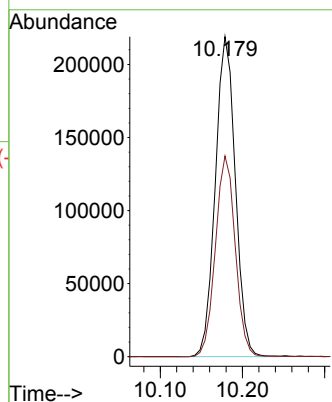
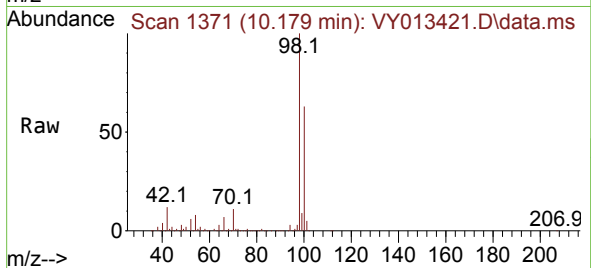




#50
Toluene-d8
Concen: 53.115 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013421.D
Acq: 25 Apr 2023 02:17

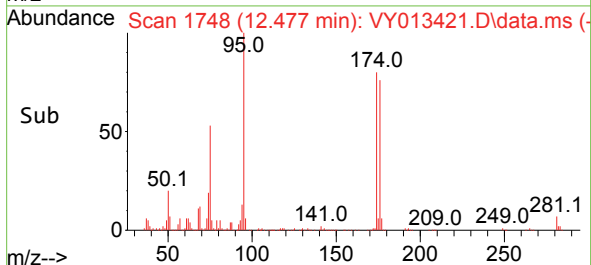
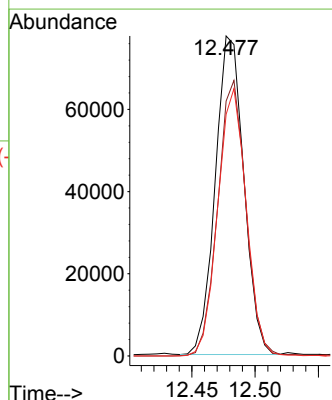
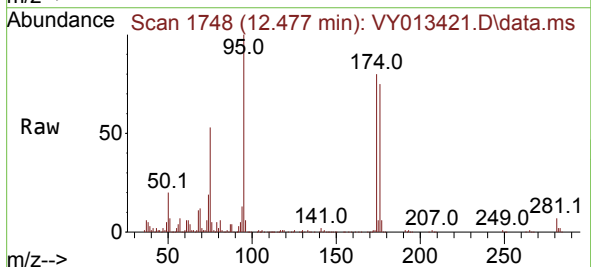
Instrument :
MSVOA_Y
ClientSampleId :
20230287-24-1

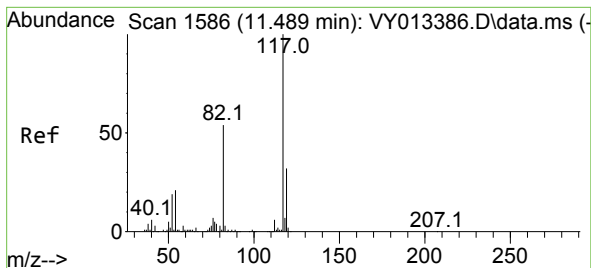
Tgt Ion: 98 Resp: 370745
Ion Ratio Lower Upper
98 100
100 62.2 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 51.690 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013421.D
Acq: 25 Apr 2023 02:17

Tgt Ion: 95 Resp: 121633
Ion Ratio Lower Upper
95 100
174 85.5 0.0 182.0
176 83.6 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013421.D

Acq: 25 Apr 2023 02:17

Instrument :

MSVOA_Y

ClientSampleId :

20230287-24-1

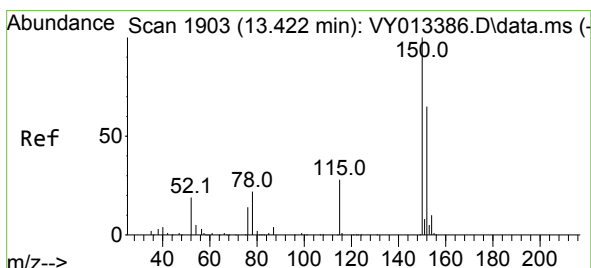
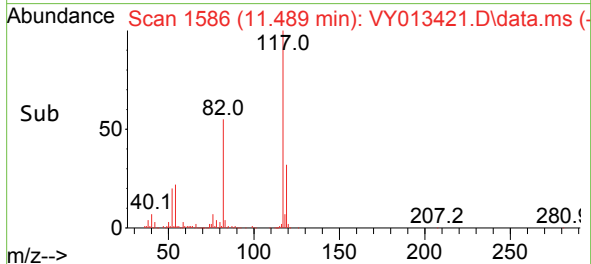
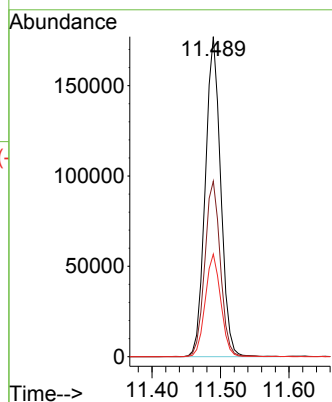
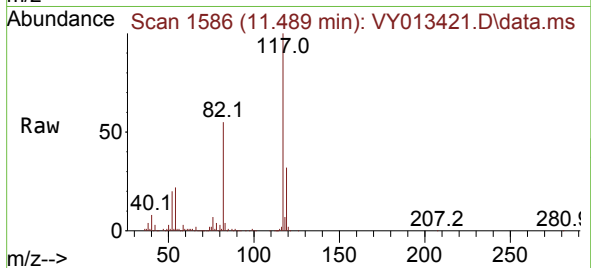
Tgt Ion:117 Resp: 277459

Ion Ratio Lower Upper

117 100

82 54.8 43.0 64.6

119 32.1 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013421.D

Acq: 25 Apr 2023 02:17

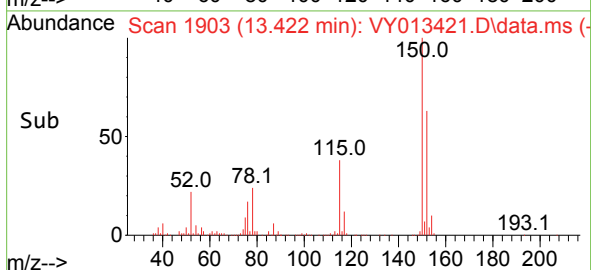
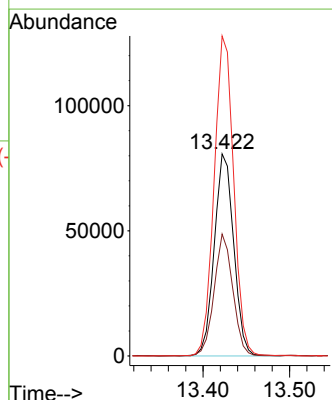
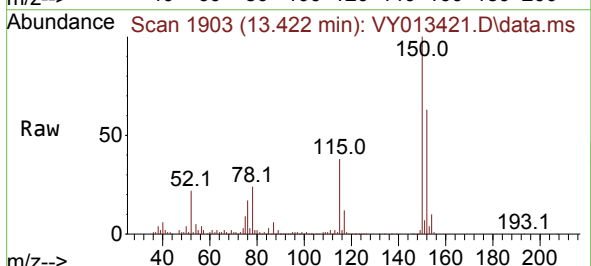
Tgt Ion:152 Resp: 126020

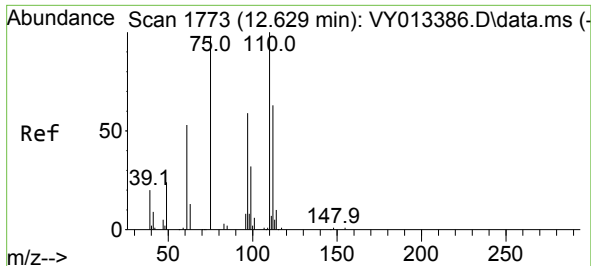
Ion Ratio Lower Upper

152 100

115 57.7 28.1 84.2

150 158.9 0.0 352.0

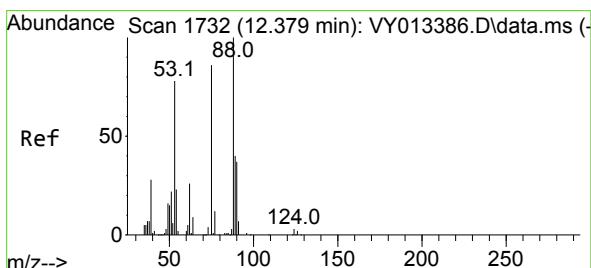
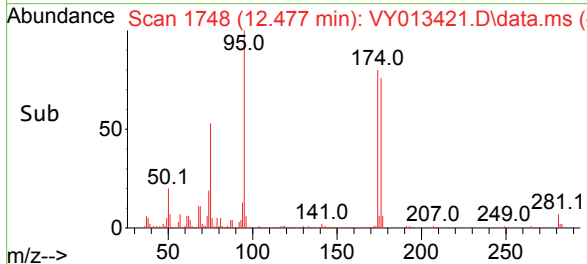
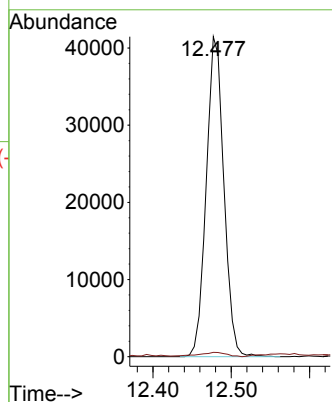
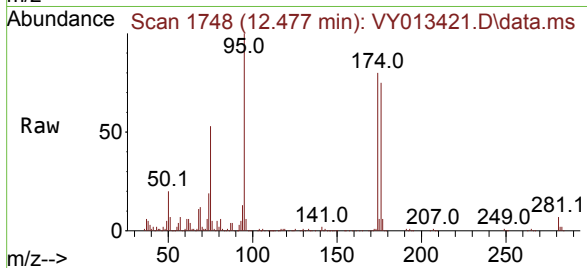




#76
1,2,3-Trichloropropane
Concen: 37.972 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013421.D
Acq: 25 Apr 2023 02:17

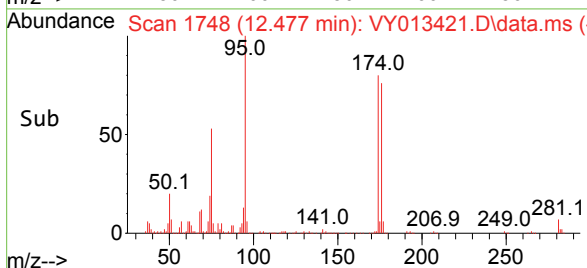
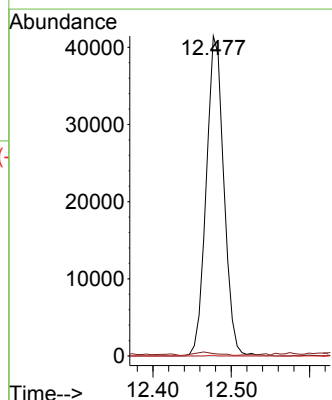
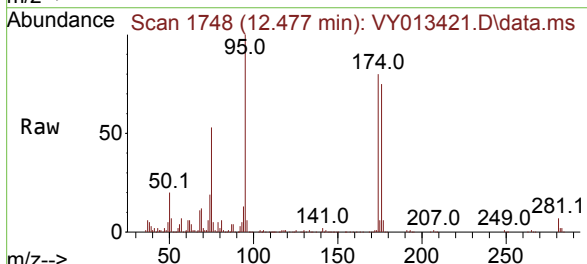
Instrument :
MSVOA_Y
ClientSampleId :
20230287-24-1

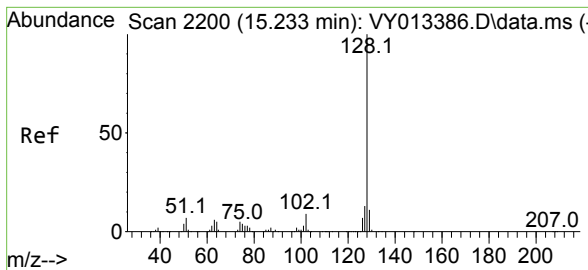
Tgt Ion: 75 Resp: 64534
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.673 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013421.D
Acq: 25 Apr 2023 02:17

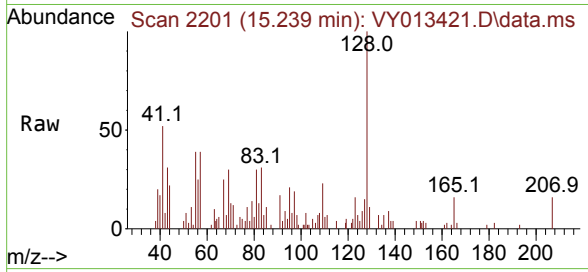
Tgt Ion: 75 Resp: 64534
Ion Ratio Lower Upper
75 100
53 1.3 73.2 109.8#
89 0.0 38.0 57.0#





#95
 Naphthalene
 Concen: 1.203 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY013421.D
 Acq: 25 Apr 2023 02:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230287-24-1



Tgt Ion:	128	Resp:	6186
Ion	Ratio	Lower	Upper
128	100		
127	15.4	10.7	16.1
129	12.8	8.8	13.2

