

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013471.D
 Acq On : 26 Apr 2023 14:19
 Operator : KP/MD
 Sample : 02401-04
 Misc : 3.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230248-14-2

Quant Time: Apr 27 01:32:55 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)

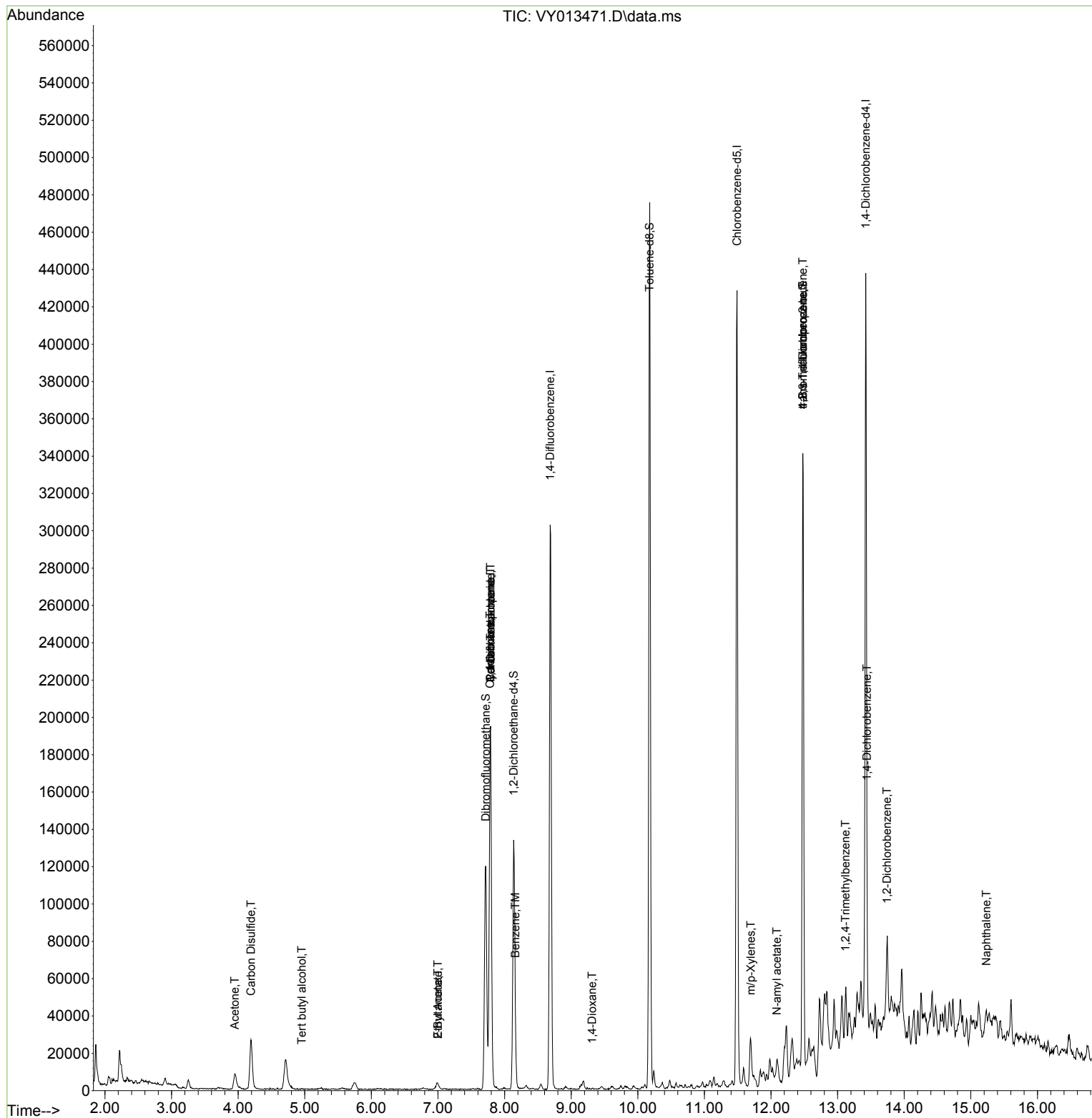
Internal Standards						
1) Pentafluorobenzene	7.789	168	139604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	243248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	216353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	94537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	96857	63.290	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.580%
35) Dibromofluoromethane	7.716	113	82892	54.181	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.360%
50) Toluene-d8	10.179	98	298918	54.922	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.840%
62) 4-Bromofluorobenzene	12.477	95	96074	52.362	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.720%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	120	1.344	ug/l #	89
13) Acrolein	3.741	56	834	Below Cal	#	16
16) Acetone	3.948	43	16466	27.322	ug/l	91
17) Carbon Disulfide	4.192	76	51921	11.017	ug/l	100
20) Methylene Chloride	4.716	84	10523	Below Cal	#	83
25) 2-Butanone	6.996	43	4665	6.103	ug/l #	88
31) Cyclohexane	7.783	56	4670	1.704	ug/l #	25
36) 1,1-Dichloropropene	7.789	75	13157	5.182	ug/l #	49
37) Ethyl Acetate	6.996	43	4665	2.441	ug/l #	69
38) Carbon Tetrachloride	7.789	117	14985	5.631	ug/l #	14
40) Benzene	8.161	78	7158	1.001	ug/l	97
49) 1,4-Dioxane	9.313	88	25	1.564	ug/l #	1
68) m/p-Xylenes	11.697	106	5228	1.662	ug/l	96
74) N-amyl acetate	12.087	43	3574	1.405	ug/l #	54
76) 1,2,3-Trichloropropane	12.477	75	52734	41.362	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	52734	84.608	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	9470	1.669	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	3404	1.021	ug/l #	1
91) 1,2-Dichlorobenzene	13.739	146	4192	1.406	ug/l #	32
95) Naphthalene	15.233	128	7355	1.907	ug/l #	88

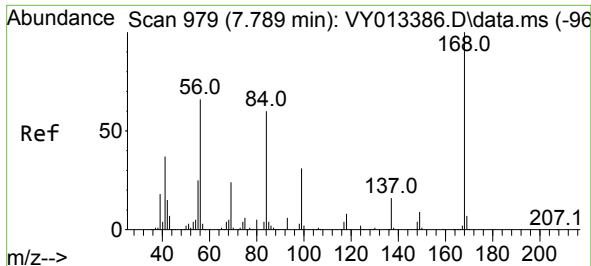
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
Data File : VY013471.D
Acq On : 26 Apr 2023 14:19
Operator : KP/MD
Sample : 02401-04
Misc : 3.59g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20230248-14-2

Quant Time: Apr 27 01:32:55 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

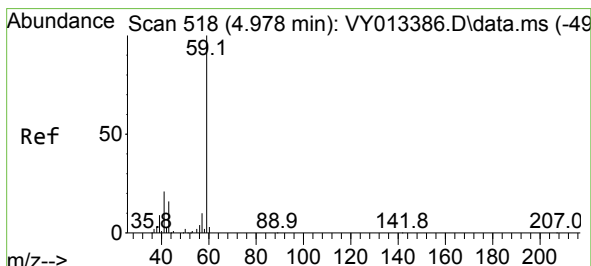
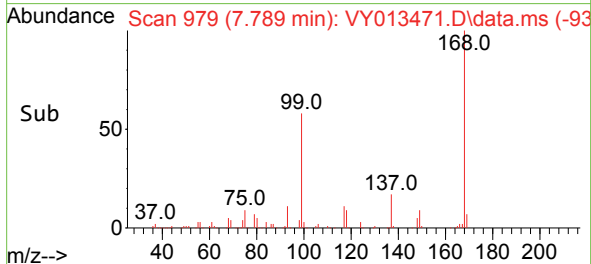
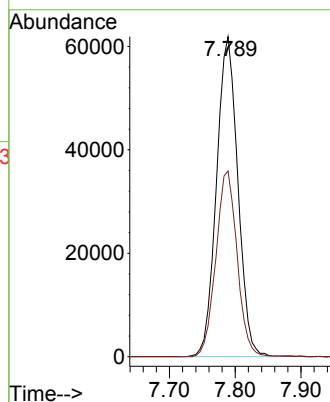
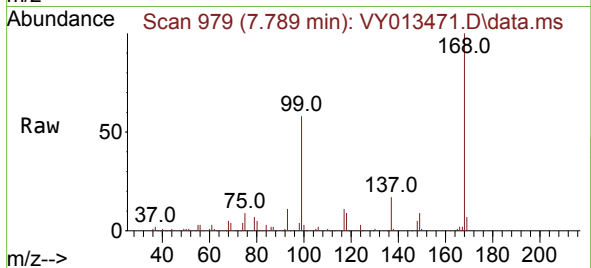




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013471.D
Acq: 26 Apr 2023 14:19

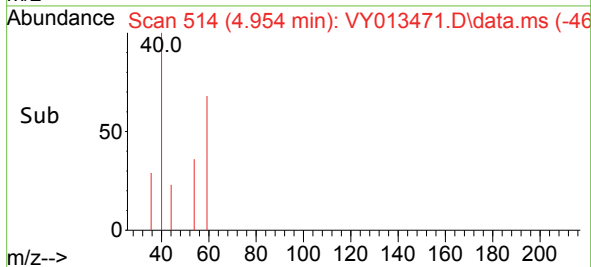
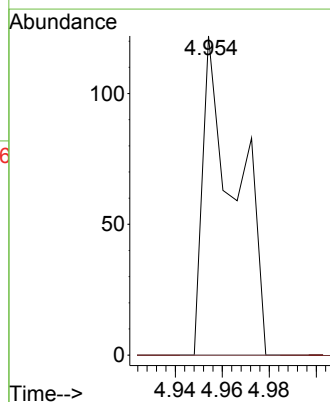
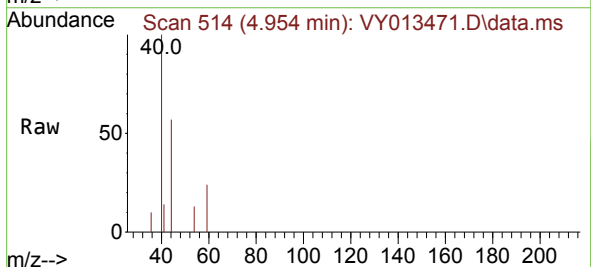
Instrument :
MSVOA_Y
ClientSampleId :
20230248-14-2

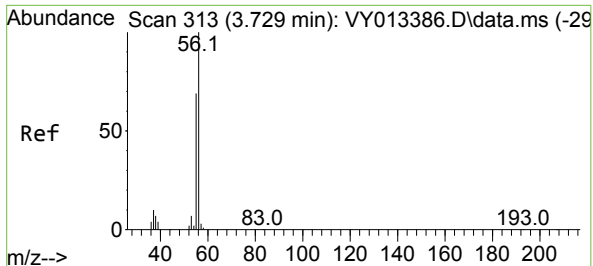
Tgt Ion:168 Resp: 139604
Ion Ratio Lower Upper
168 100
99 58.0 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.344 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY013471.D
Acq: 26 Apr 2023 14:19

Tgt Ion: 59 Resp: 120
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

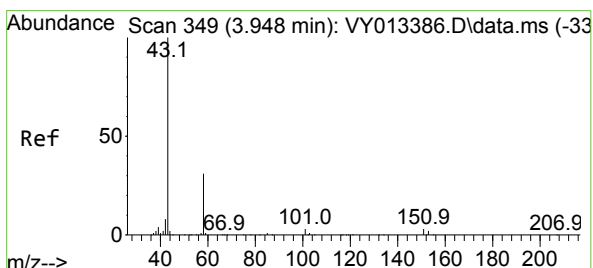
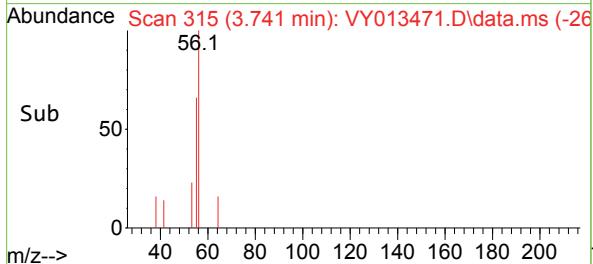
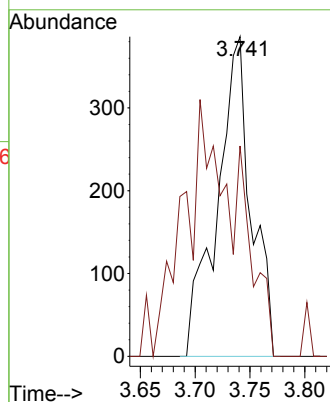
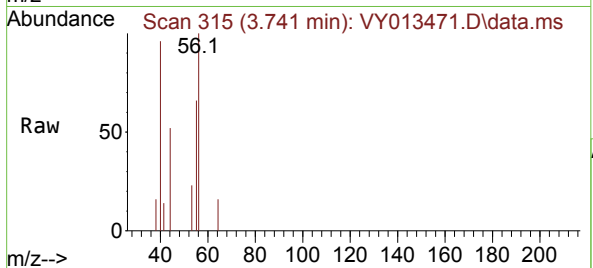




#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 313
Delta R.T. 0.012 min
Lab File: VY013471.D
Acq: 26 Apr 2023 14:19

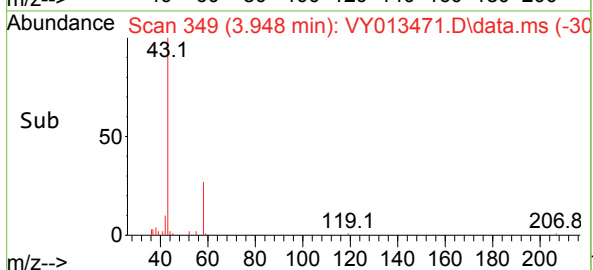
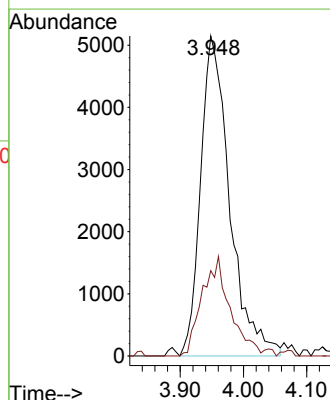
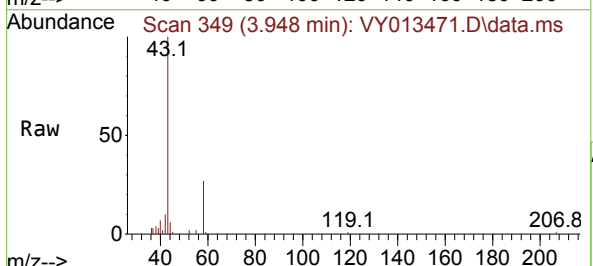
Instrument :
MSVOA_Y
ClientSampleId :
20230248-14-2

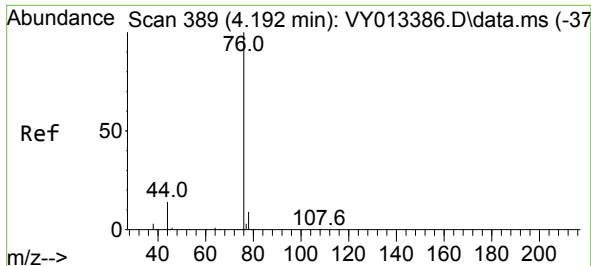
Tgt Ion: 56 Resp: 834
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 27.322 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013471.D
Acq: 26 Apr 2023 14:19

Tgt Ion: 43 Resp: 16466
Ion Ratio Lower Upper
43 100
58 26.7 25.4 38.0

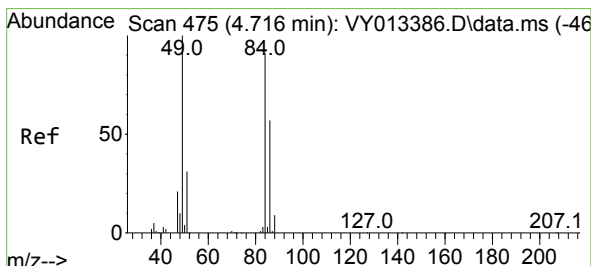
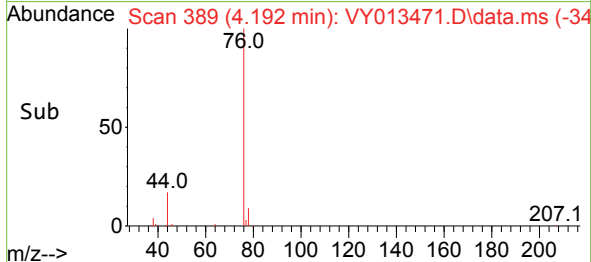
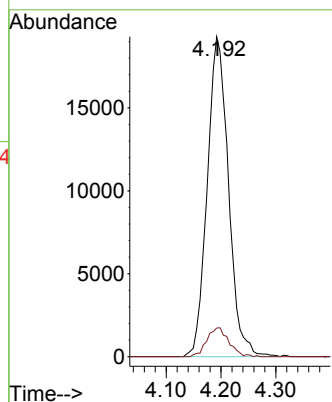
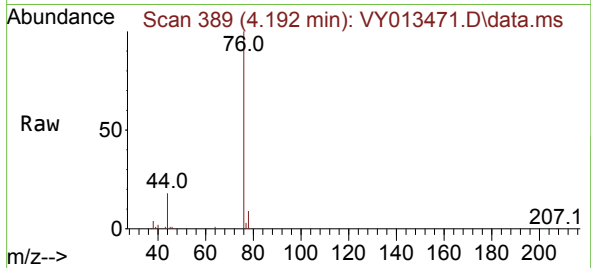




#17
Carbon Disulfide
Concen: 11.017 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY013471.D
Acq: 26 Apr 2023 14:19

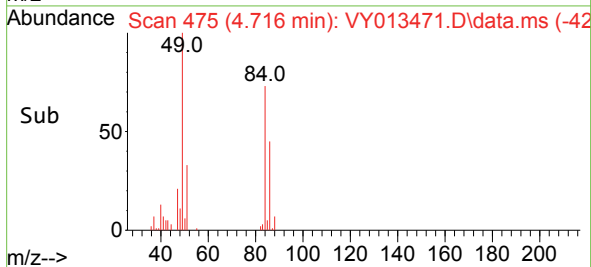
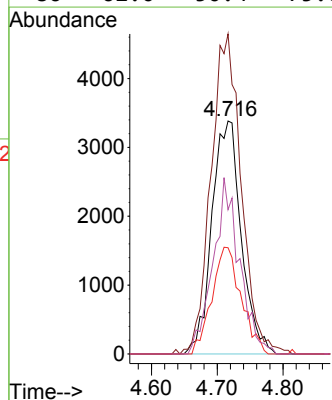
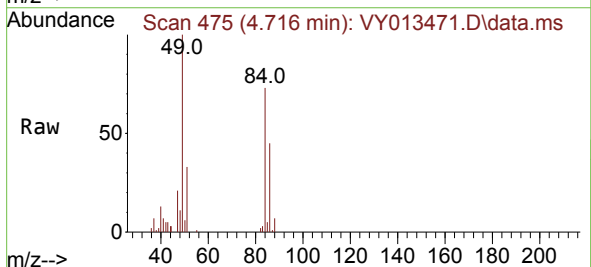
Instrument :
MSVOA_Y
ClientSampleId :
20230248-14-2

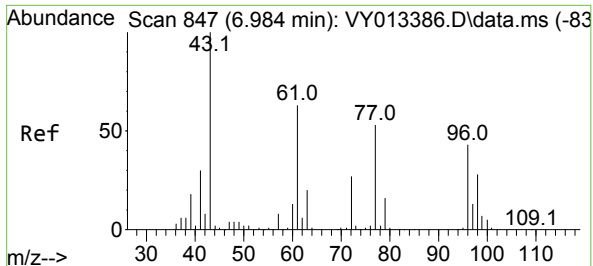
Tgt Ion: 76 Resp: 51921
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013471.D
Acq: 26 Apr 2023 14:19

Tgt Ion: 84 Resp: 10523
Ion Ratio Lower Upper
84 100
49 137.4 88.0 132.0#
51 45.6 27.4 41.0#
86 62.0 50.4 75.6





#25

2-Butanone

Concen: 6.103 ug/l

RT: 6.996 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY013471.D

Acq: 26 Apr 2023 14:19

Instrument :

MSVOA_Y

ClientSampleId :

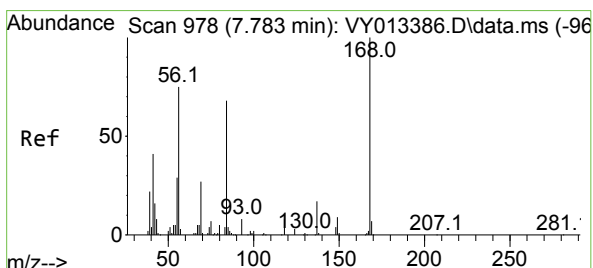
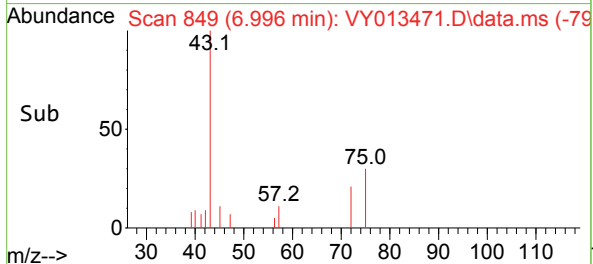
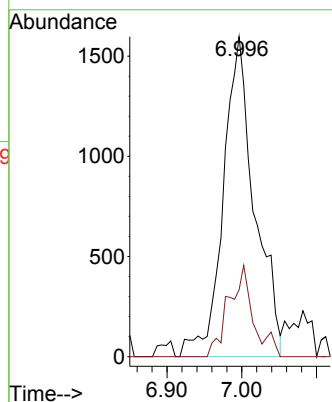
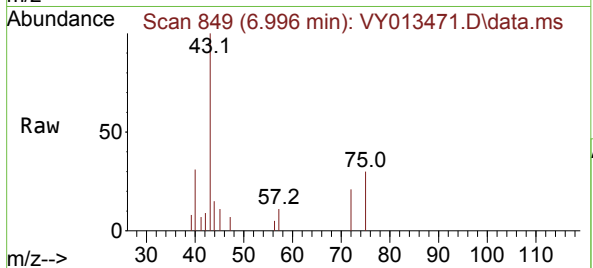
20230248-14-2

Tgt Ion: 43 Resp: 4665

Ion Ratio Lower Upper

43 100

72 20.9 21.9 32.9#



#31

Cyclohexane

Concen: 1.704 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY013471.D

Acq: 26 Apr 2023 14:19

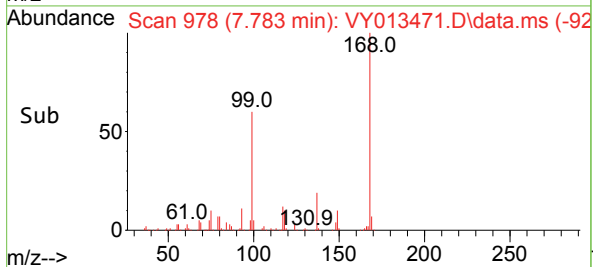
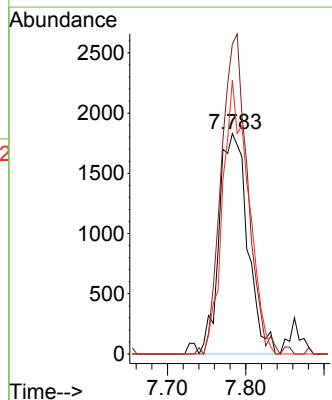
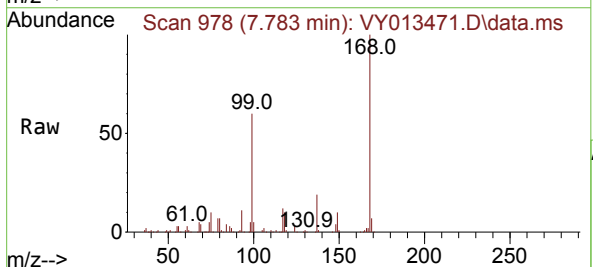
Tgt Ion: 56 Resp: 4670

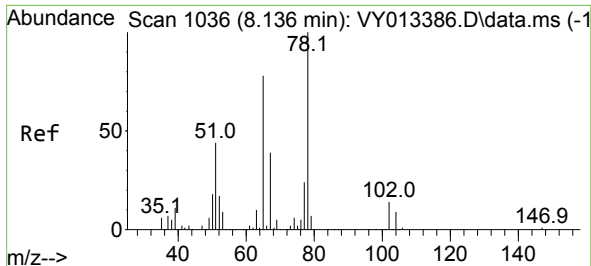
Ion Ratio Lower Upper

56 100

69 140.7 29.2 43.8#

84 124.4 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 63.290 ug/l

RT: 8.136 min Scan# 110

Delta R.T. 0.001 min

Lab File: VY013471.D

Acq: 26 Apr 2023 14:19

Instrument :

MSVOA_Y

ClientSampleId :

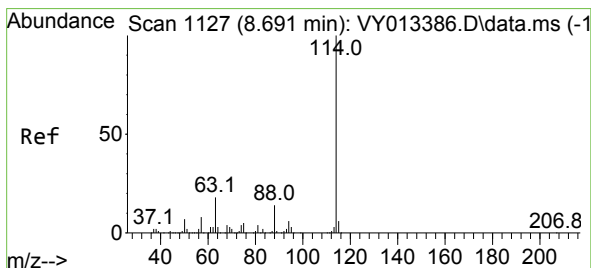
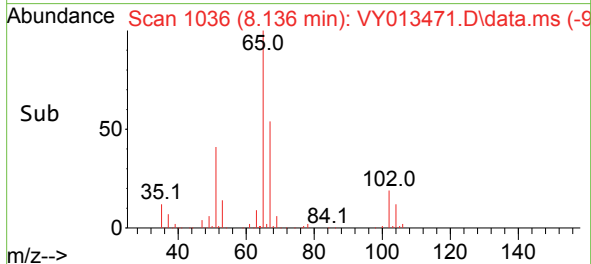
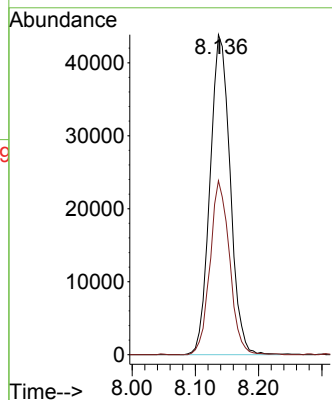
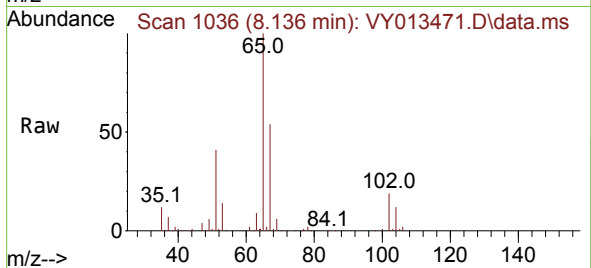
20230248-14-2

Tgt Ion: 65 Resp: 96857

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013471.D

Acq: 26 Apr 2023 14:19

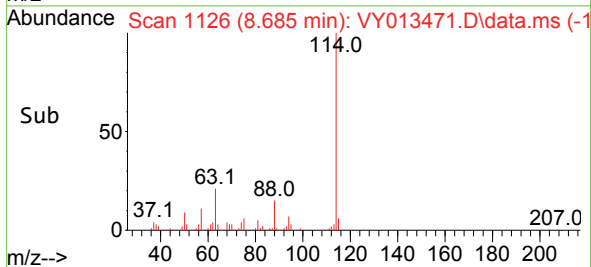
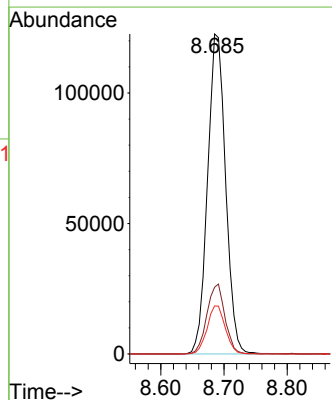
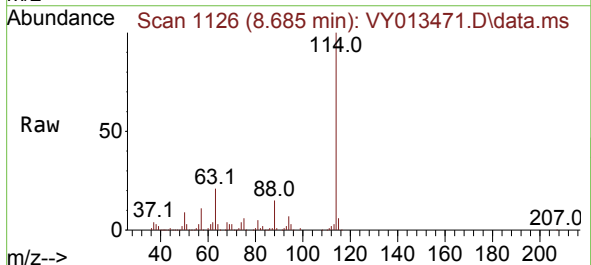
Tgt Ion: 114 Resp: 243248

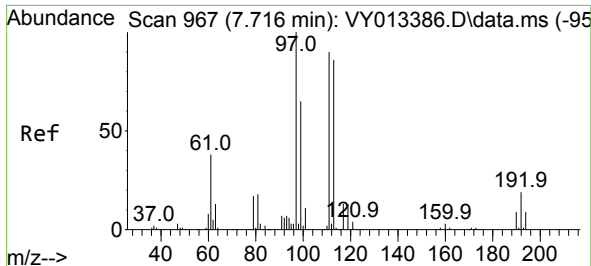
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.6

88 15.0 0.0 28.8

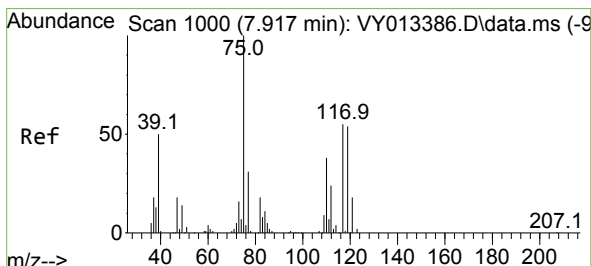
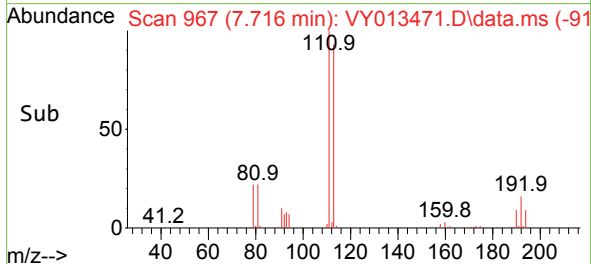
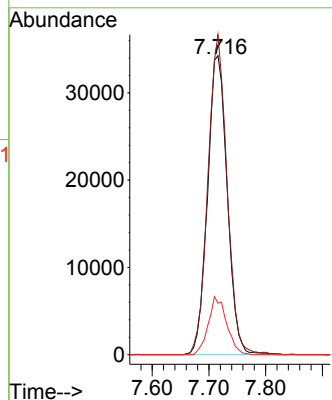
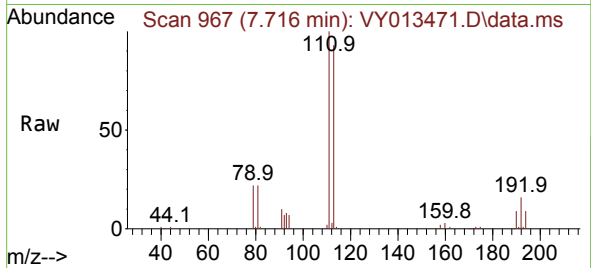




#35
 Dibromofluoromethane
 Concen: 54.181 ug/l
 RT: 7.716 min Scan# 910
 Delta R.T. -0.000 min
 Lab File: VY013471.D
 Acq: 26 Apr 2023 14:19

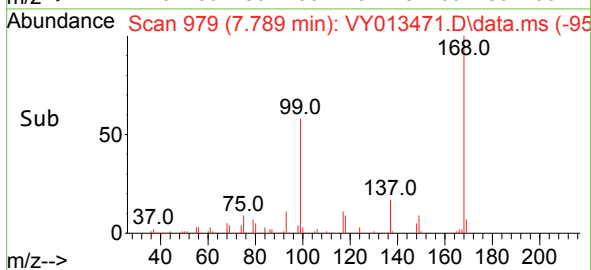
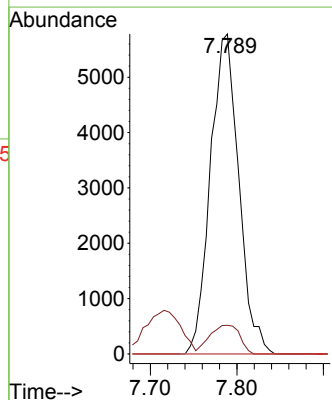
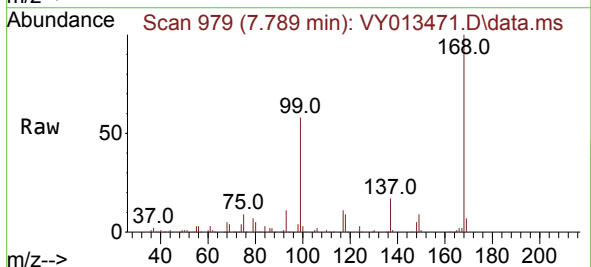
Instrument :
 MSVOA_Y
 ClientSampleId :
 20230248-14-2

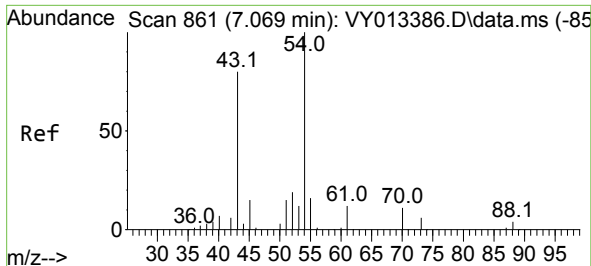
Tgt Ion:113 Resp: 82892
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.2 123.2
 192 18.1 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 5.182 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.128 min
 Lab File: VY013471.D
 Acq: 26 Apr 2023 14:19

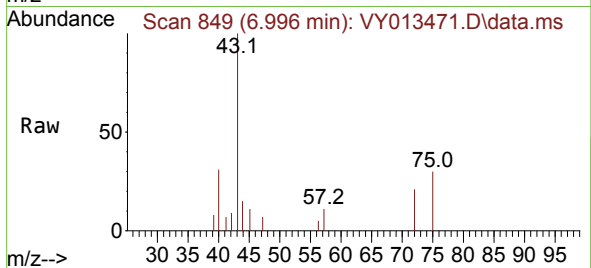
Tgt Ion: 75 Resp: 13157
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.7 56.1#
 77 0.0 24.6 37.0#



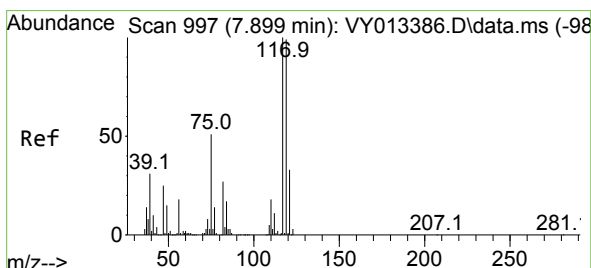
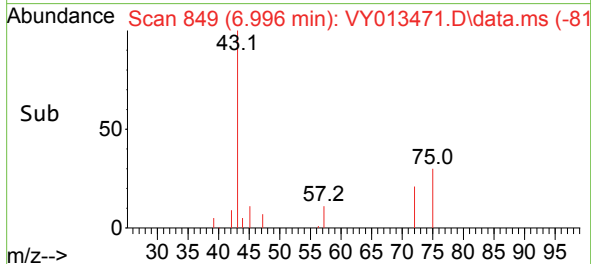
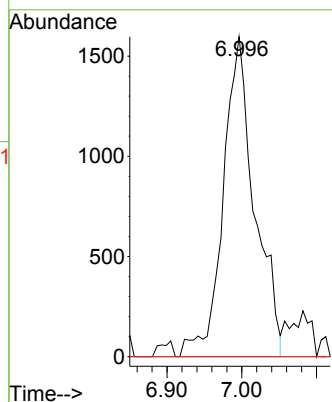


#37
Ethyl Acetate
Concen: 2.441 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.073 min
Lab File: VY013471.D
Acq: 26 Apr 2023 14:19

Instrument :
MSVOA_Y
ClientSampleId :
20230248-14-2

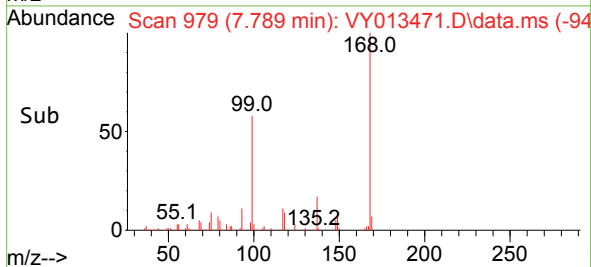
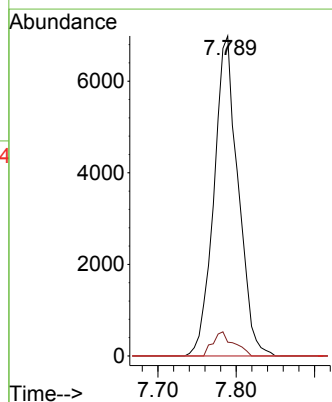
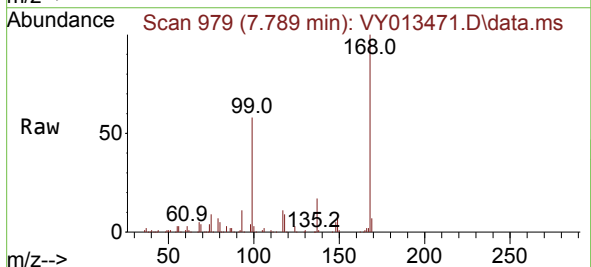


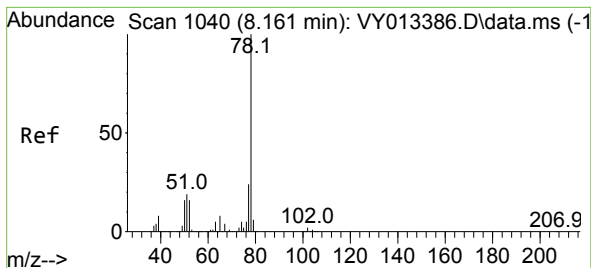
Tgt Ion: 43 Resp: 4665
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.631 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013471.D
Acq: 26 Apr 2023 14:19

Tgt Ion: 117 Resp: 14985
Ion Ratio Lower Upper
117 100
119 4.3 79.0 118.6#
121 0.0 26.6 40.0#





#40

Benzene

Concen: 1.001 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY013471.D

Acq: 26 Apr 2023 14:19

Instrument :

MSVOA_Y

ClientSampleId :

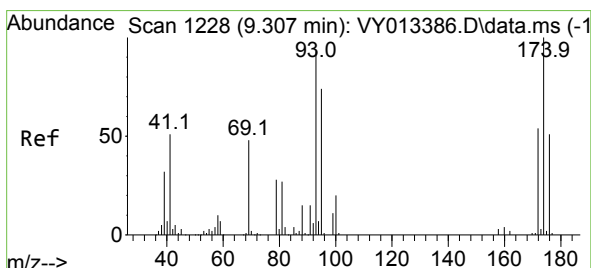
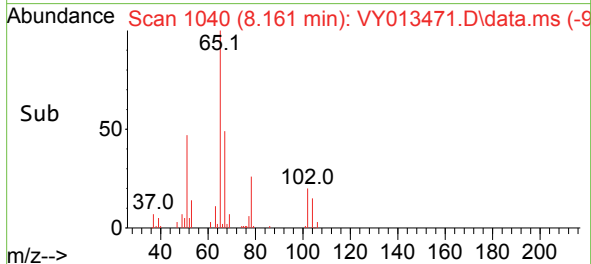
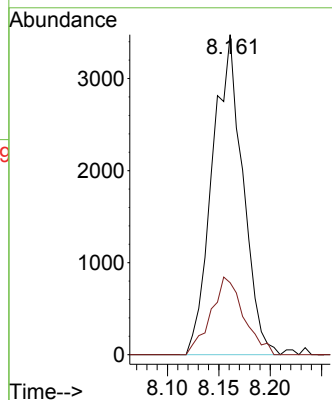
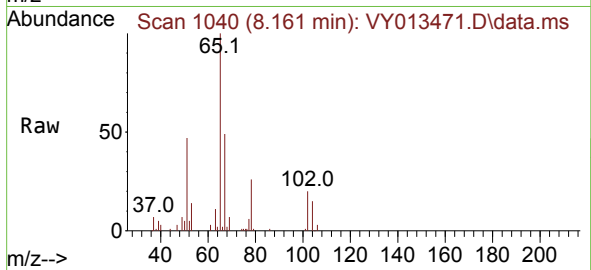
20230248-14-2

Tgt Ion: 78 Resp: 7158

Ion Ratio Lower Upper

78 100

77 22.5 19.2 28.8



#49

1,4-Dioxane

Concen: 1.564 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VY013471.D

Acq: 26 Apr 2023 14:19

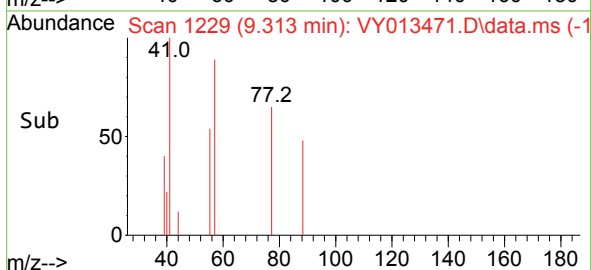
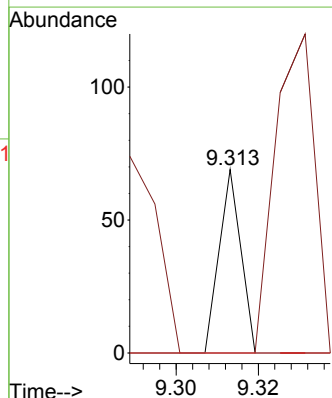
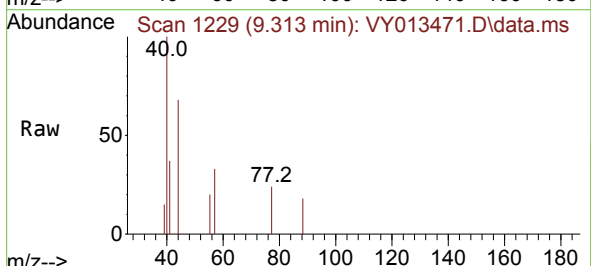
Tgt Ion: 88 Resp: 25

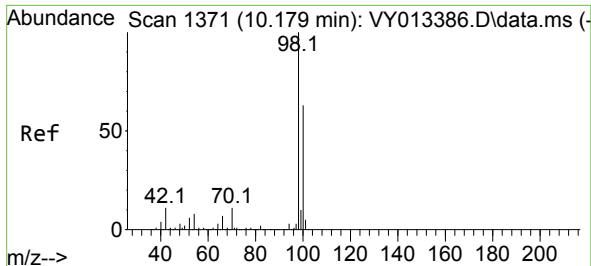
Ion Ratio Lower Upper

88 100

43 320.0 16.8 25.2#

58 0.0 54.3 81.5#

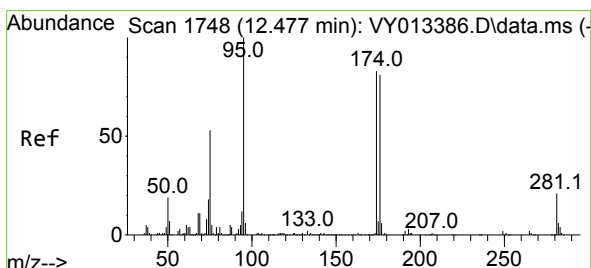
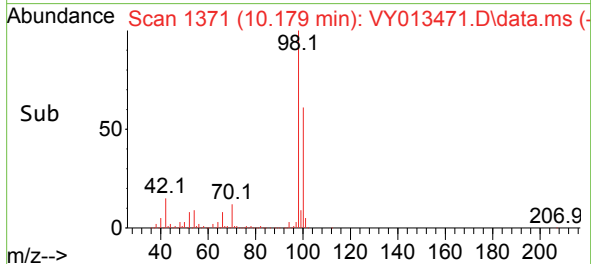
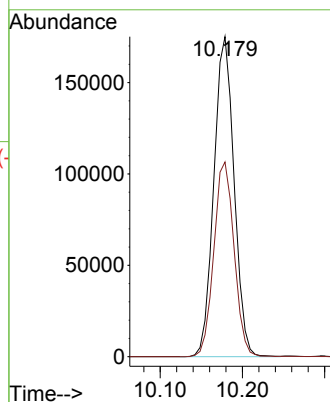
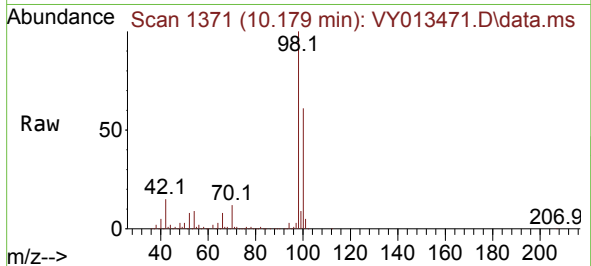




#50
Toluene-d8
Concen: 54.922 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013471.D
Acq: 26 Apr 2023 14:19

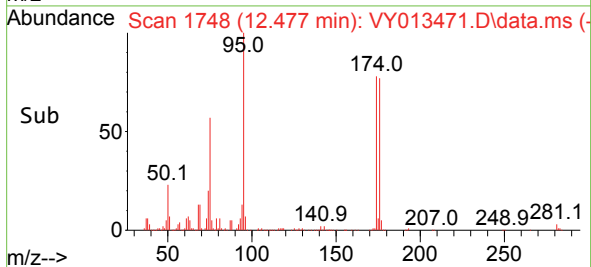
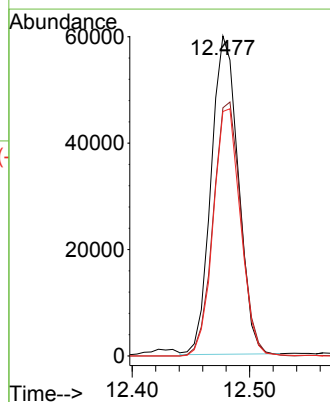
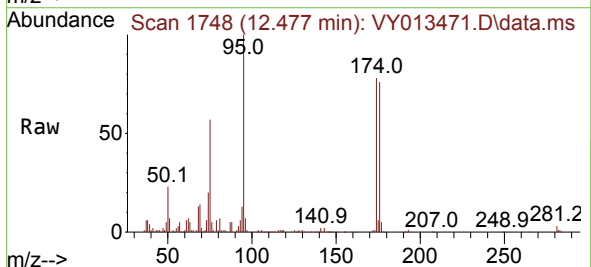
Instrument :
MSVOA_Y
ClientSampleId :
20230248-14-2

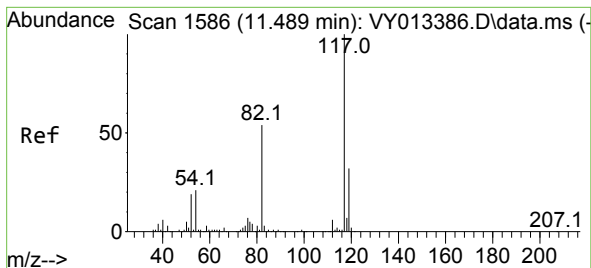
Tgt Ion: 98 Resp: 298918
Ion Ratio Lower Upper
98 100
100 60.9 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 52.362 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013471.D
Acq: 26 Apr 2023 14:19

Tgt Ion: 95 Resp: 96074
Ion Ratio Lower Upper
95 100
174 81.6 0.0 182.0
176 78.1 0.0 175.4

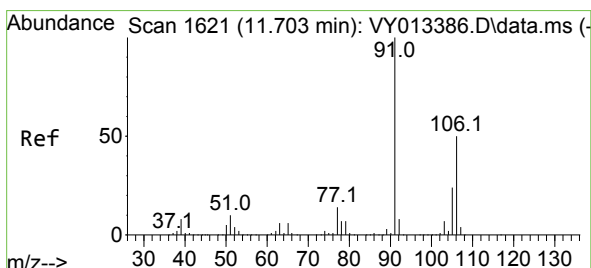
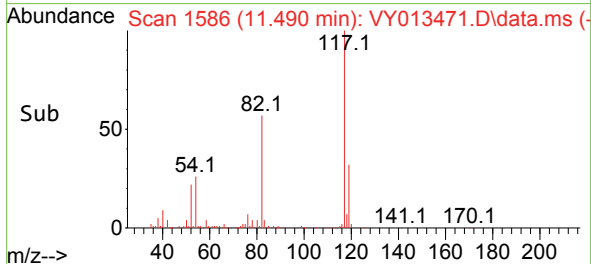
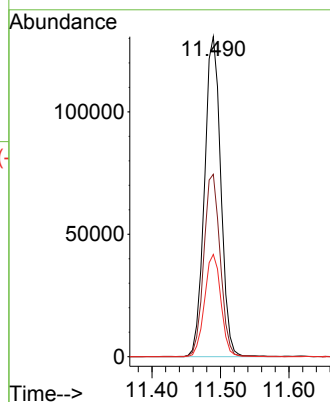
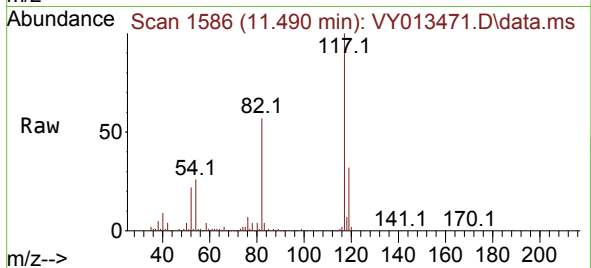




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY013471.D
Acq: 26 Apr 2023 14:19

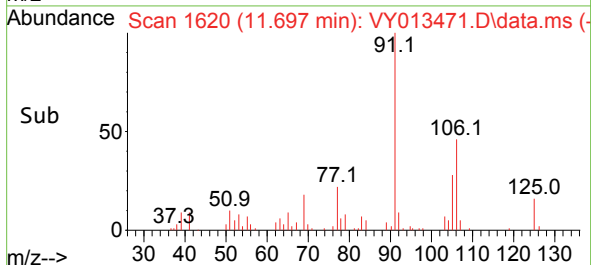
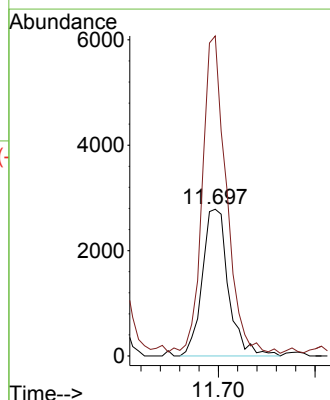
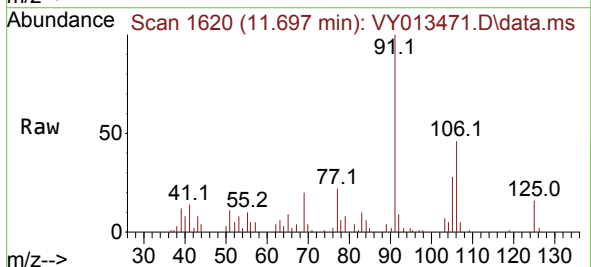
Instrument :
MSVOA_Y
ClientSampleId :
20230248-14-2

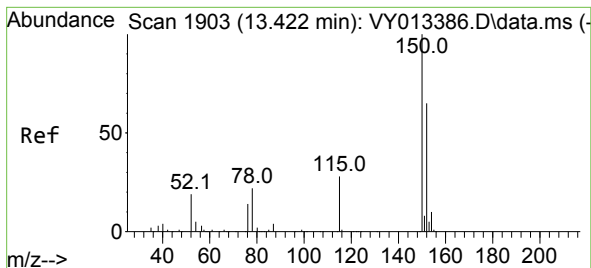
Tgt Ion:117 Resp: 216353
Ion Ratio Lower Upper
117 100
82 56.9 43.0 64.6
119 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 1.662 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY013471.D
Acq: 26 Apr 2023 14:19

Tgt Ion:106 Resp: 5228
Ion Ratio Lower Upper
106 100
91 194.8 160.9 241.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013471.D

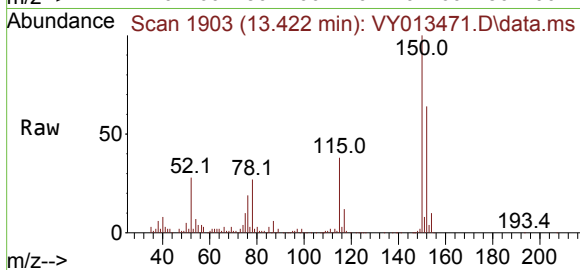
Acq: 26 Apr 2023 14:19

Instrument :

MSVOA_Y

ClientSampleId :

20230248-14-2



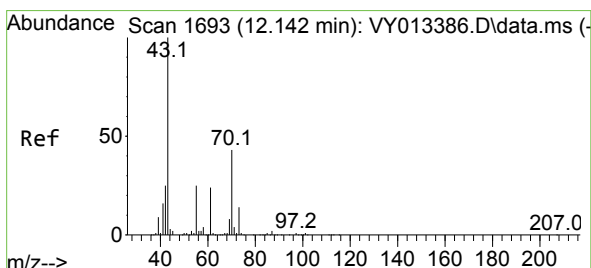
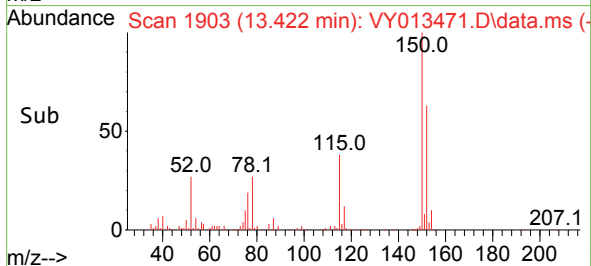
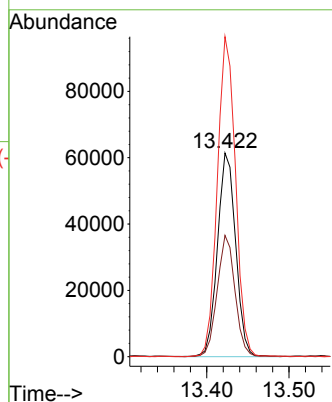
Tgt Ion:152 Resp: 94537

Ion Ratio Lower Upper

152 100

115 58.5 28.1 84.2

150 156.8 0.0 352.0



#74

N-ethyl acetate

Concen: 1.405 ug/l

RT: 12.087 min Scan# 1684

Delta R.T. -0.055 min

Lab File: VY013471.D

Acq: 26 Apr 2023 14:19

Tgt Ion: 43 Resp: 3574

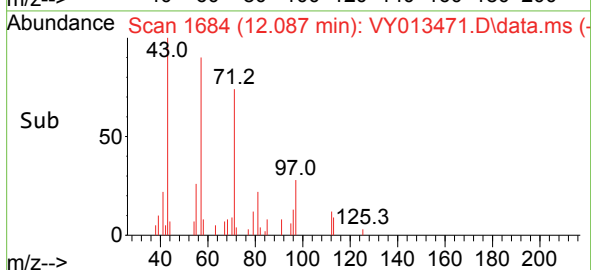
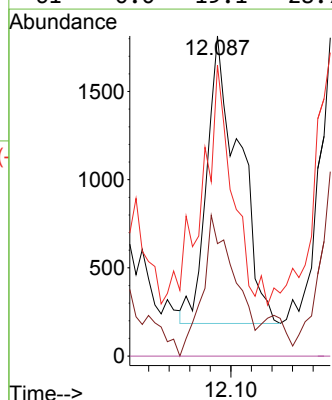
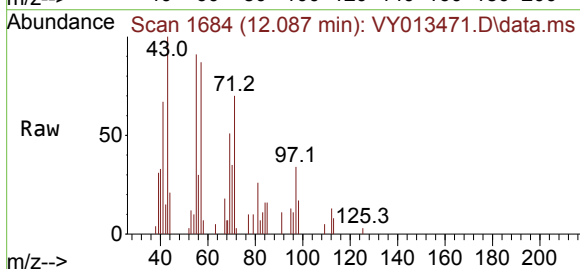
Ion Ratio Lower Upper

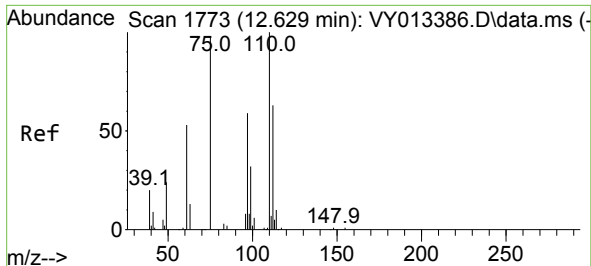
43 100

70 49.0 33.0 49.4

55 75.0 19.8 29.6#

61 0.0 19.1 28.7#

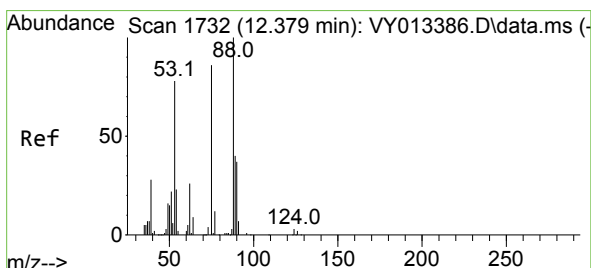
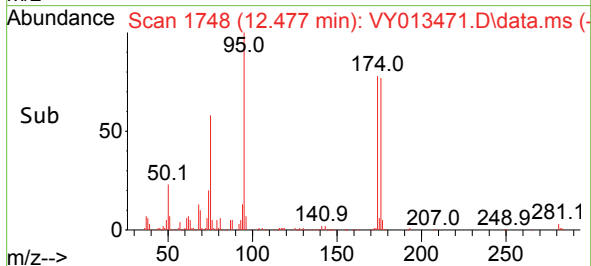
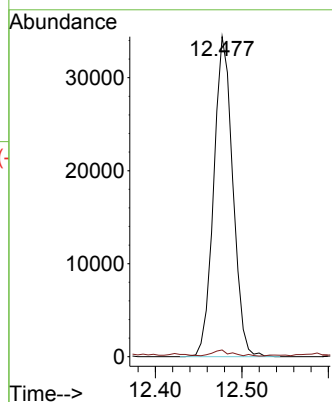
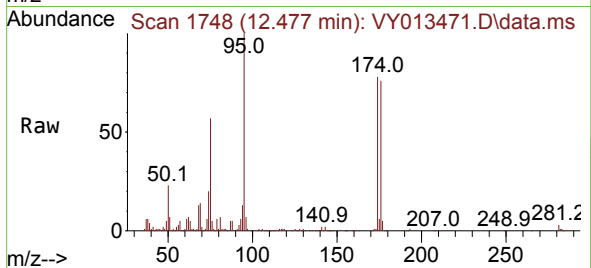




#76
1,2,3-Trichloropropane
Concen: 41.362 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY013471.D
Acq: 26 Apr 2023 14:19

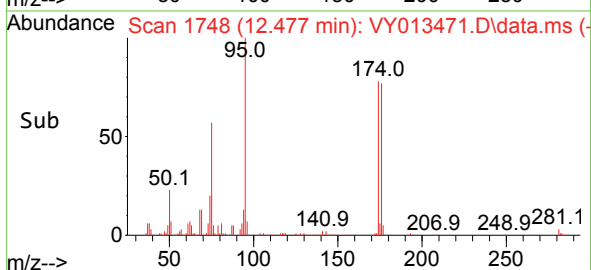
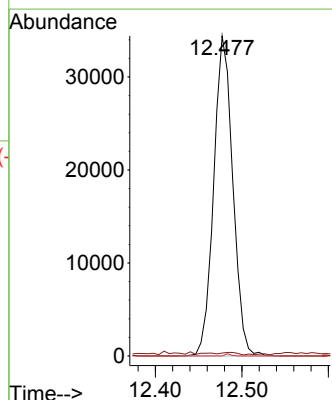
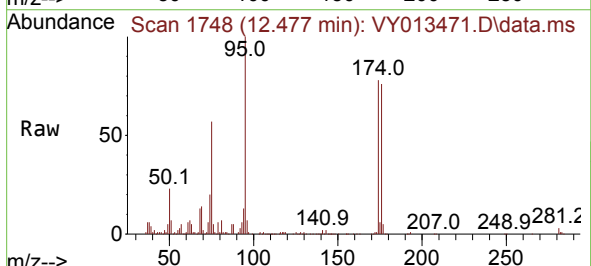
Instrument :
MSVOA_Y
ClientSampleId :
20230248-14-2

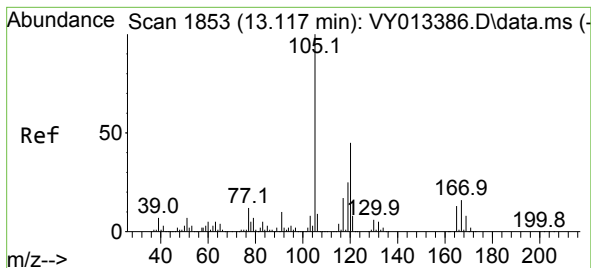
Tgt Ion: 75 Resp: 52734
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.608 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013471.D
Acq: 26 Apr 2023 14:19

Tgt Ion: 75 Resp: 52734
Ion Ratio Lower Upper
75 100
53 0.6 73.2 109.8#
89 0.2 38.0 57.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.669 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013471.D

Acq: 26 Apr 2023 14:19

Instrument :

MSVOA_Y

ClientSampleId :

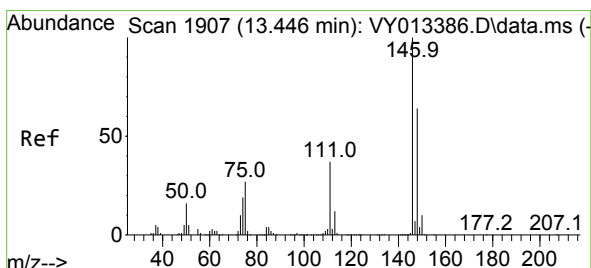
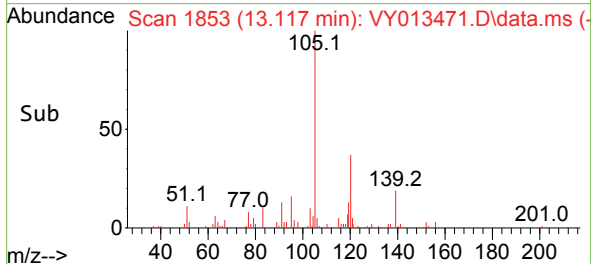
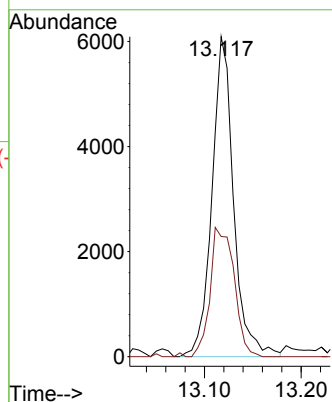
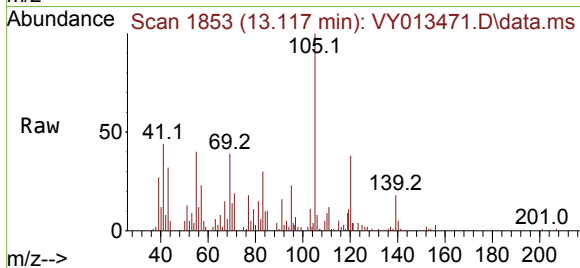
20230248-14-2

Tgt Ion:105 Resp: 9470

Ion Ratio Lower Upper

105 100

120 44.7 22.3 66.9



#88

1,4-Dichlorobenzene

Concen: 1.021 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY013471.D

Acq: 26 Apr 2023 14:19

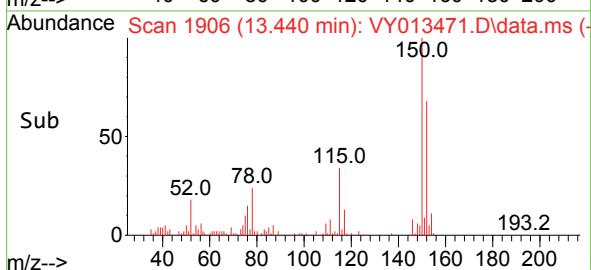
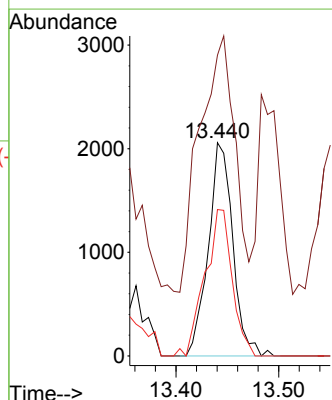
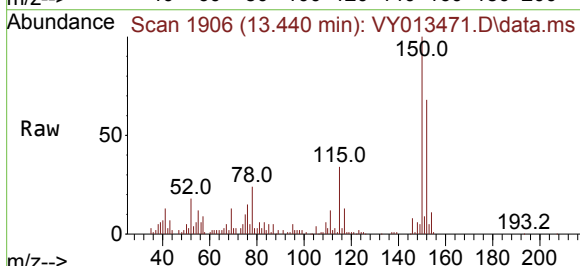
Tgt Ion:146 Resp: 3404

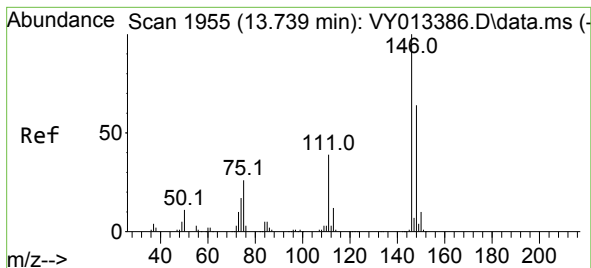
Ion Ratio Lower Upper

146 100

111 197.2 18.9 56.5#

148 76.2 31.9 95.5





#91

1,2-Dichlorobenzene

Concen: 1.406 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY013471.D

Acq: 26 Apr 2023 14:19

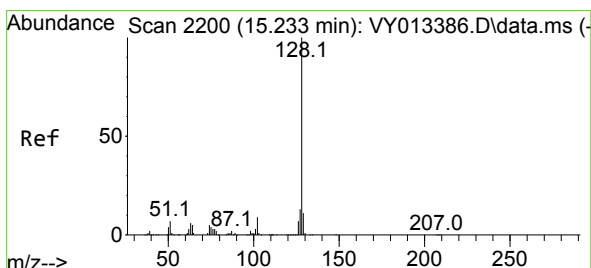
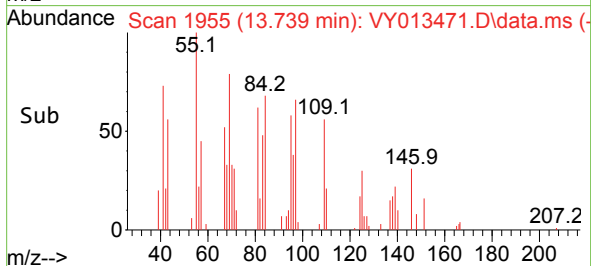
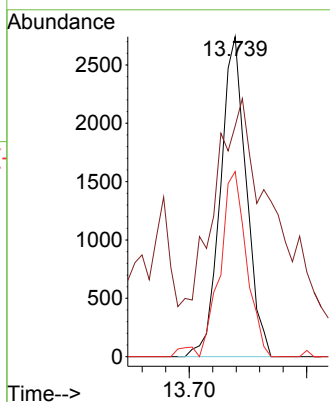
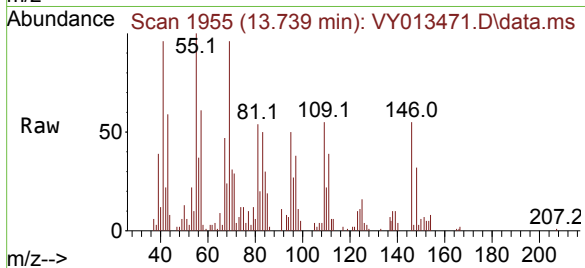
Instrument :

MSVOA_Y

ClientSampleId :

20230248-14-2

Tgt Ion:	146	Resp:	4192
Ion Ratio	Lower	Upper	
146	100		
111	145.3	19.8	59.4#
148	60.6	31.8	95.4



#95

Naphthalene

Concen: 1.907 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY013471.D

Acq: 26 Apr 2023 14:19

Tgt Ion:	128	Resp:	7355
Ion Ratio	Lower	Upper	
128	100		
127	20.6	10.7	16.1#
129	13.2	8.8	13.2#

