

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
 Data File : VY013280.D
 Acq On : 12 Apr 2023 20:29
 Operator : KP/MD
 Sample : 02283-10
 Misc : 3.76g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230241-12-3

Quant Time: Apr 13 06:20:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

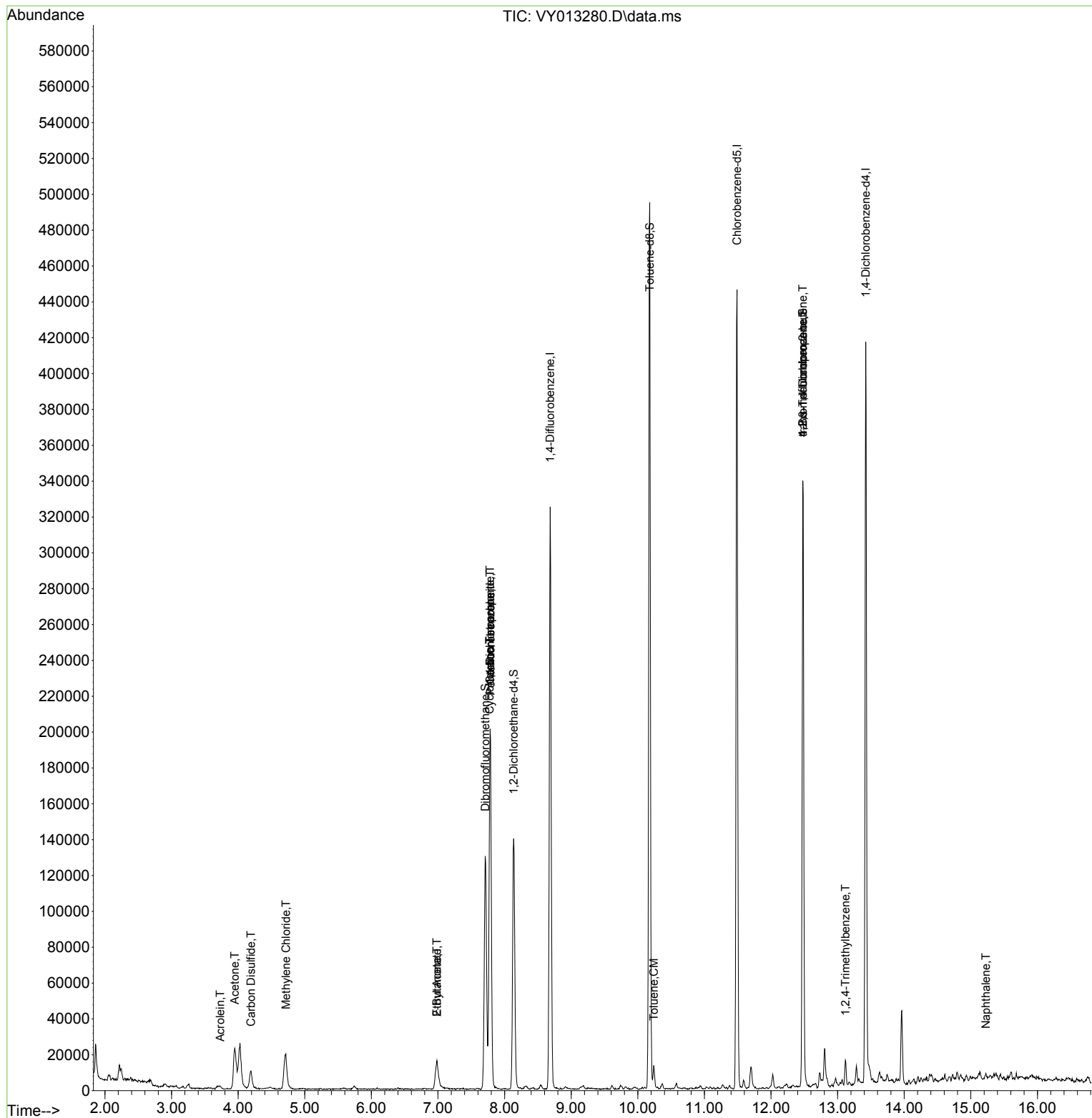
Internal Standards						
1) Pentafluorobenzene	7.789	168	155151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	258031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	233048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	100848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	110247	59.128	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.260%	
35) Dibromofluoromethane	7.710	113	90235	54.018	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.040%	
50) Toluene-d8	10.179	98	318435	51.214	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.420%	
62) 4-Bromofluorobenzene	12.477	95	93355	46.210	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	356	Below Cal	#	75
13) Acrolein	3.729	56	1449	6.326	ug/l	98
16) Acetone	3.948	43	52608	82.061	ug/l	93
17) Carbon Disulfide	4.192	76	18887	3.929	ug/l	99
20) Methylene Chloride	4.716	84	13650	4.143	ug/l	99
25) 2-Butanone	6.984	43	19018	23.169	ug/l #	89
31) Cyclohexane	7.777	56	4269	1.514	ug/l #	39
36) 1,1-Dichloropropene	7.783	75	12762	5.043	ug/l #	50
37) Ethyl Acetate	6.984	43	19018	9.323	ug/l #	72
38) Carbon Tetrachloride	7.783	117	15432	5.515	ug/l #	16
52) Toluene	10.240	92	4450	1.006	ug/l	93
76) 1,2,3-Trichloropropane	12.477	75	51355	40.867	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	51355	84.819	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	7093	1.258	ug/l	98
95) Naphthalene	15.226	128	1529	3.528	ug/l #	88

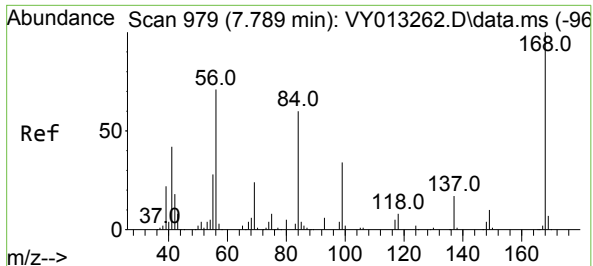
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
Data File : VY013280.D
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Operator : KP/MD
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20230241-12-3

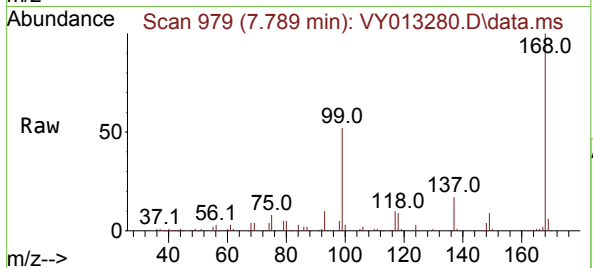
Quant Time: Apr 13 06:20:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
Response via : Initial Calibration



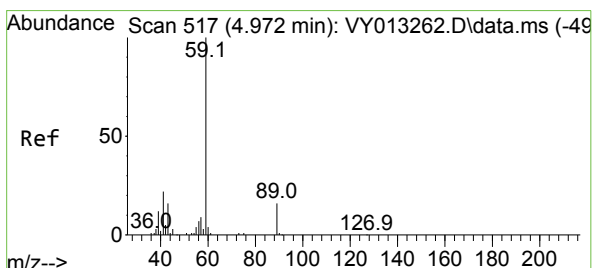
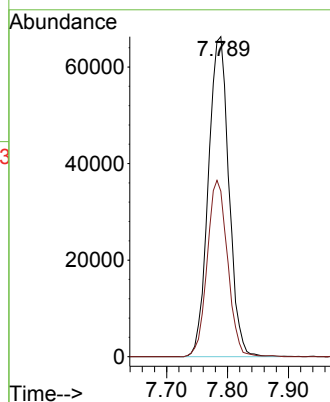
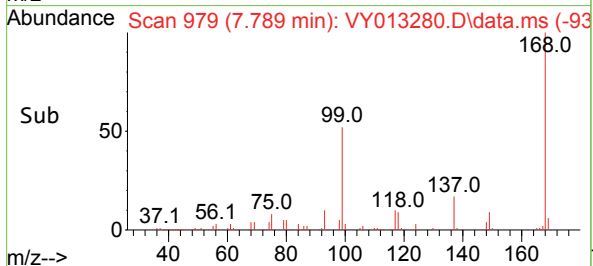


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013280.D
Acq: 12 Apr 2023 20:29

Instrument :
MSVOA_Y
ClientSampleId :
20230241-12-3

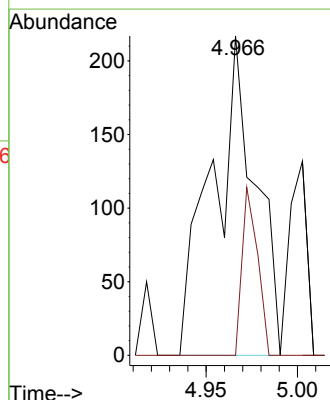
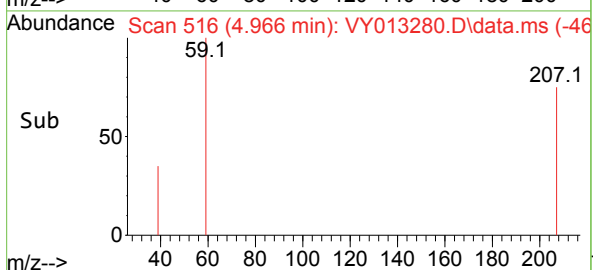
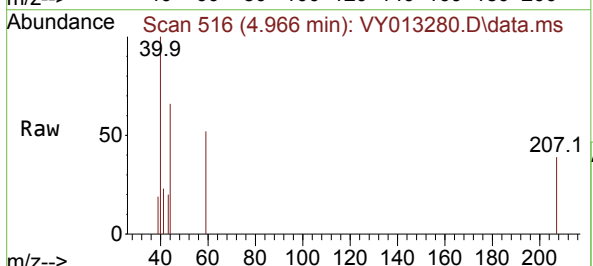


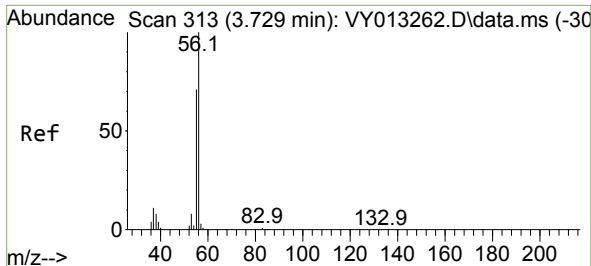
Tgt Ion:168 Resp: 155151
Ion Ratio Lower Upper
168 100
99 51.7 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY013280.D
Acq: 12 Apr 2023 20:29

Tgt Ion: 59 Resp: 356
Ion Ratio Lower Upper
59 100
57 18.8 7.7 11.5#





#13

Acrolein

Concen: 6.326 ug/l

RT: 3.729 min Scan# 313

Delta R.T. -0.000 min

Lab File: VY013280.D

Acq: 12 Apr 2023 20:29

Instrument :

MSVOA_Y

ClientSampleId :

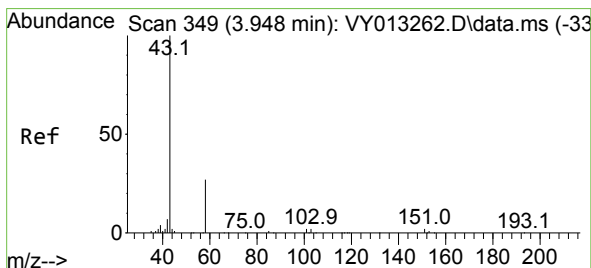
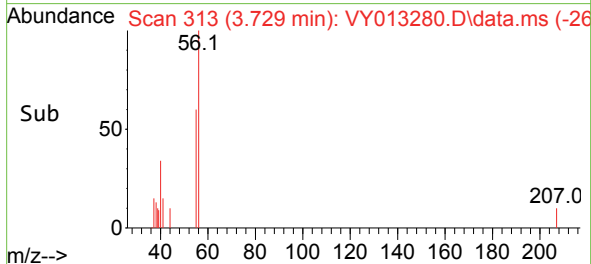
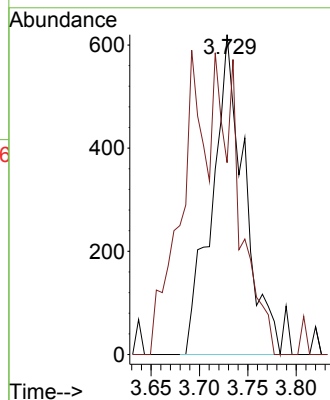
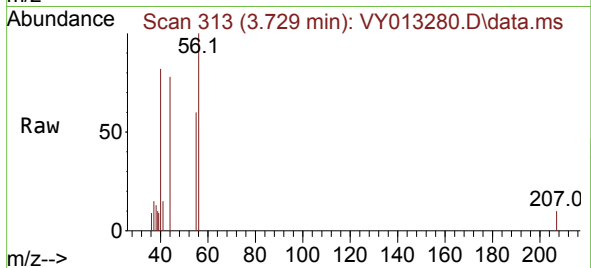
20230241-12-3

Tgt Ion: 56 Resp: 1449

Ion Ratio Lower Upper

56 100

55 72.6 56.8 85.2



#16

Acetone

Concen: 82.061 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY013280.D

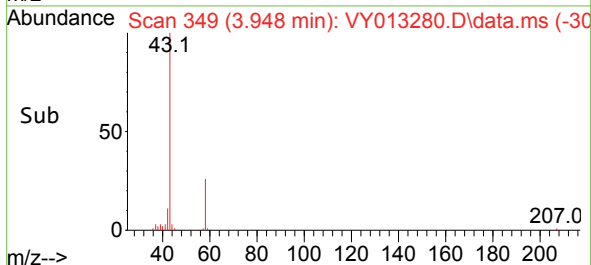
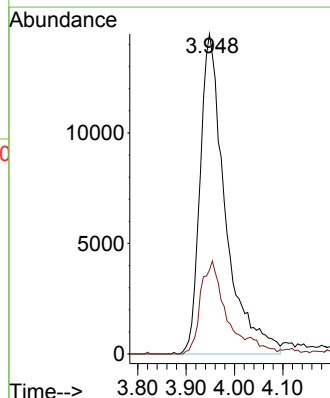
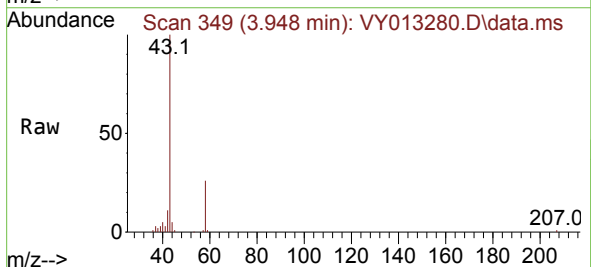
Acq: 12 Apr 2023 20:29

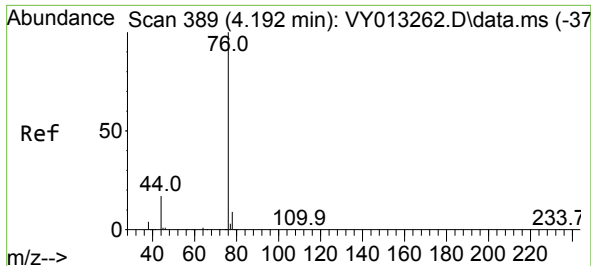
Tgt Ion: 43 Resp: 52608

Ion Ratio Lower Upper

43 100

58 26.2 24.2 36.2

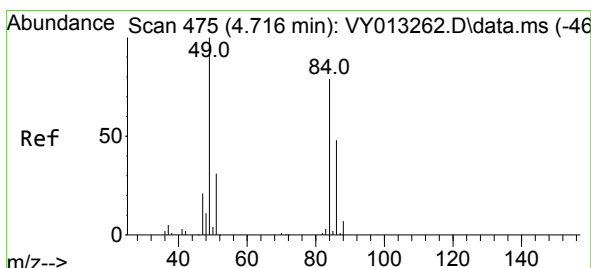
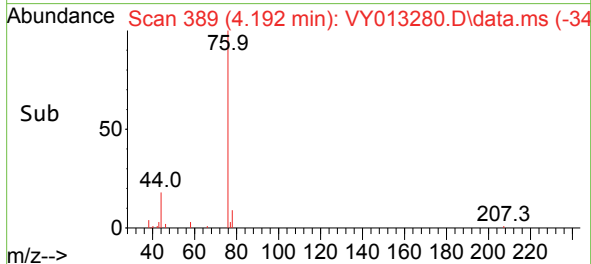
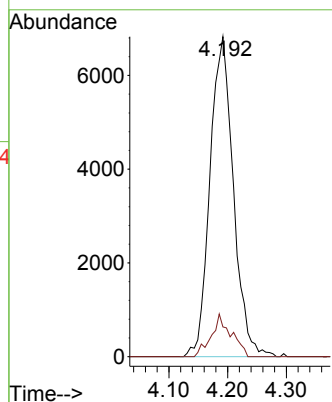
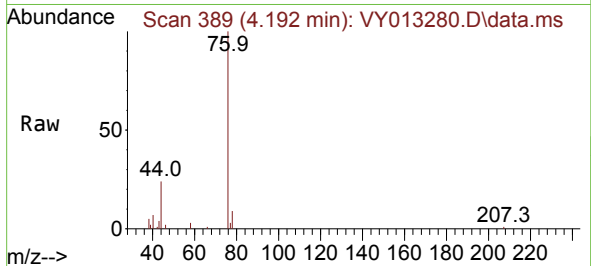




#17
Carbon Disulfide
Concen: 3.929 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY013280.D
Acq: 12 Apr 2023 20:29

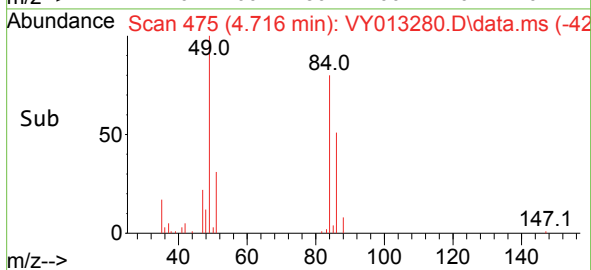
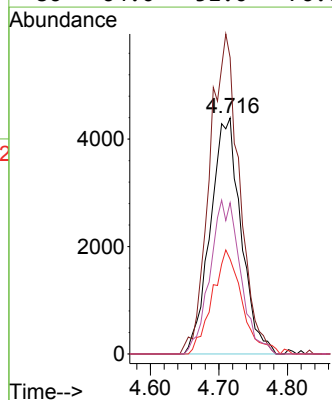
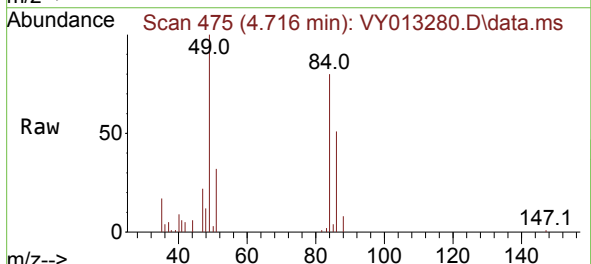
Instrument :
MSVOA_Y
ClientSampleId :
20230241-12-3

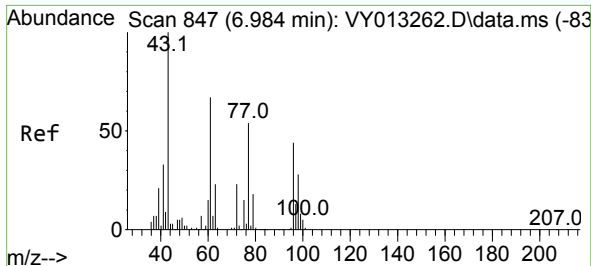
Tgt Ion: 76 Resp: 18887
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#20
Methylene Chloride
Concen: 4.143 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013280.D
Acq: 12 Apr 2023 20:29

Tgt Ion: 84 Resp: 13650
Ion Ratio Lower Upper
84 100
49 125.5 102.6 154.0
51 40.2 31.9 47.9
86 64.0 51.0 76.6

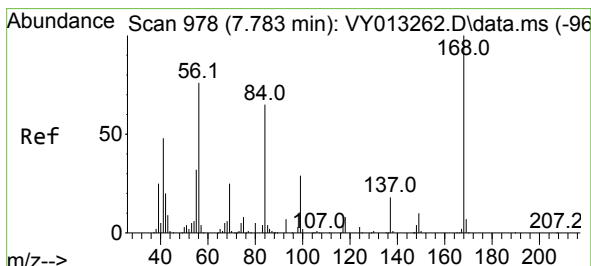
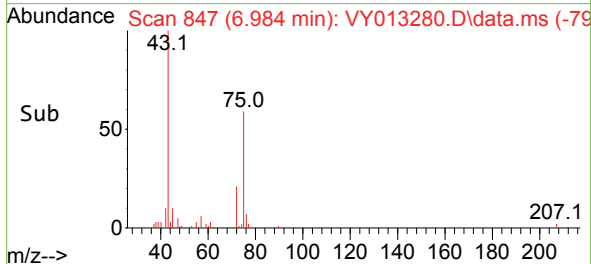
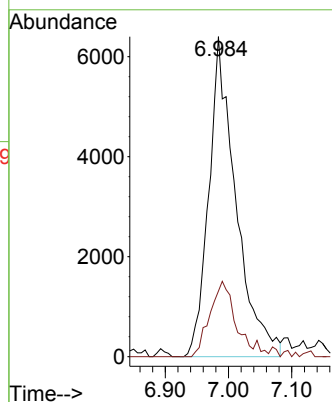
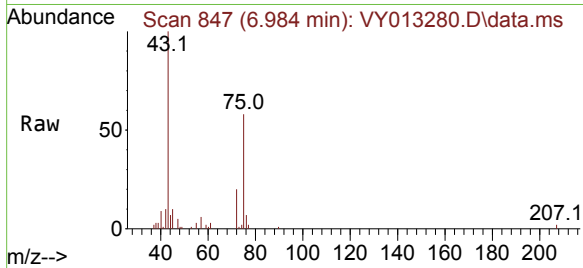




#25
2-Butanone
Concen: 23.169 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY013280.D
Acq: 12 Apr 2023 20:29

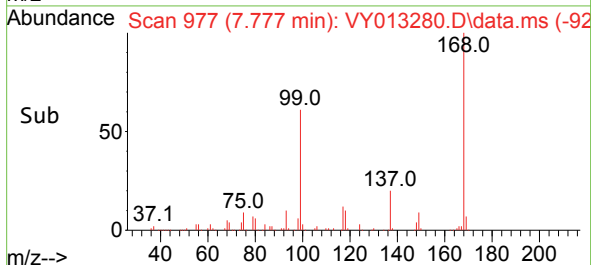
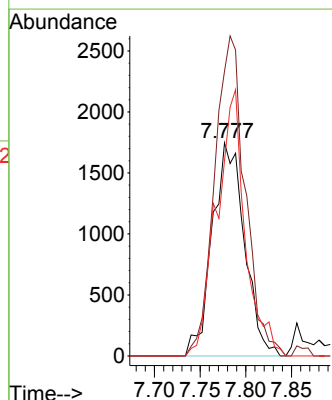
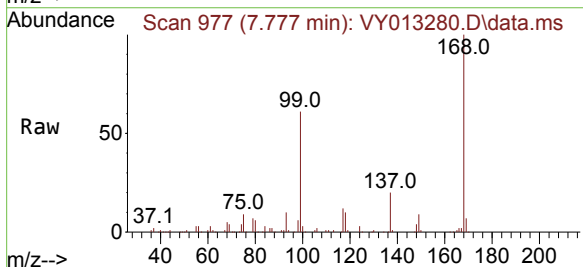
Instrument :
MSVOA_Y
ClientSampleId :
20230241-12-3

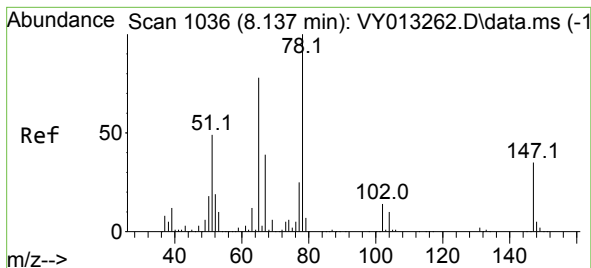
Tgt Ion: 43 Resp: 19018
Ion Ratio Lower Upper
43 100
72 20.5 21.0 31.4#



#31
Cyclohexane
Concen: 1.514 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY013280.D
Acq: 12 Apr 2023 20:29

Tgt Ion: 56 Resp: 4269
Ion Ratio Lower Upper
56 100
69 133.6 25.7 38.5#
84 91.6 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 59.128 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY013280.D

Acq: 12 Apr 2023 20:29

Instrument :

MSVOA_Y

ClientSampleId :

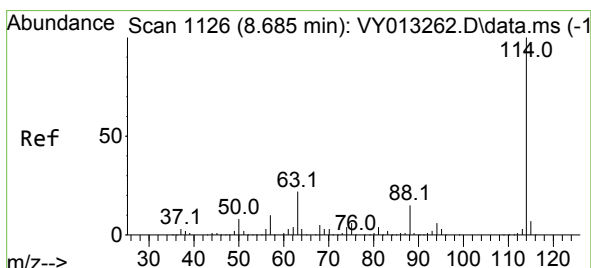
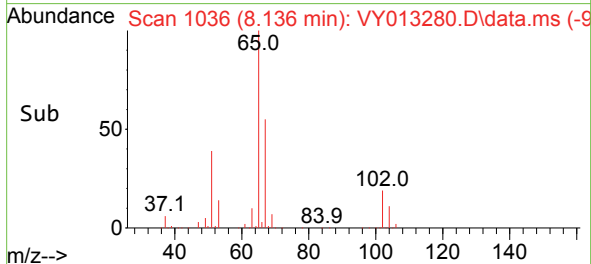
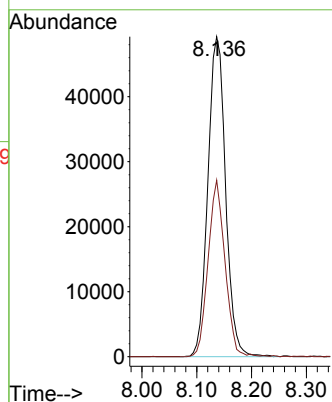
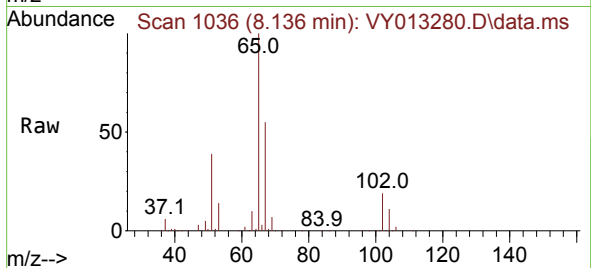
20230241-12-3

Tgt Ion: 65 Resp: 110247

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY013280.D

Acq: 12 Apr 2023 20:29

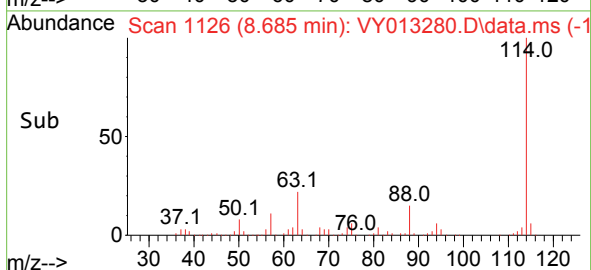
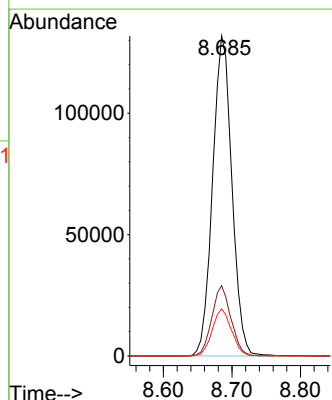
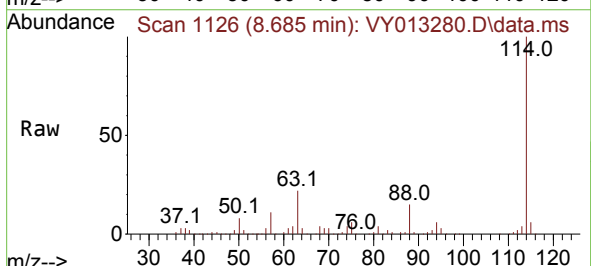
Tgt Ion: 114 Resp: 258031

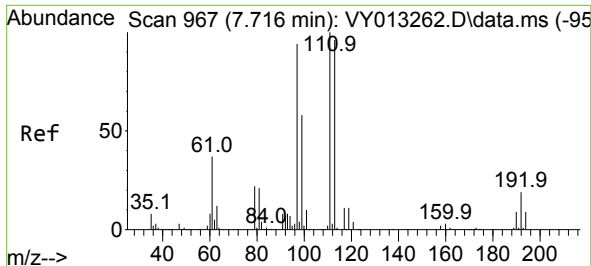
Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.4

88 14.7 0.0 28.6

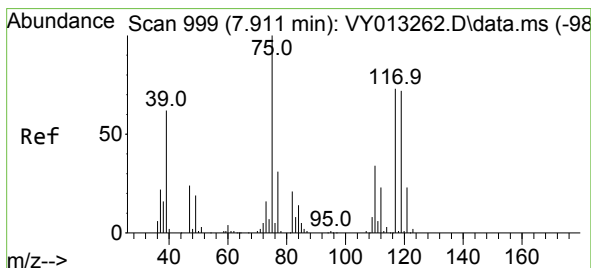
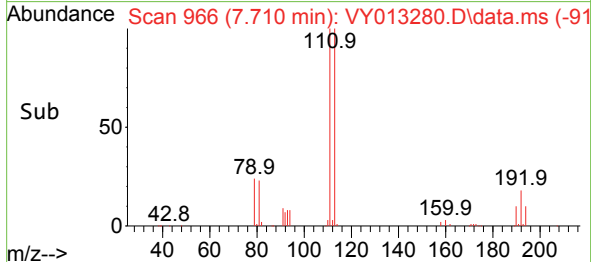
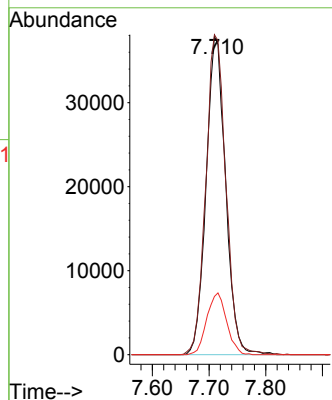
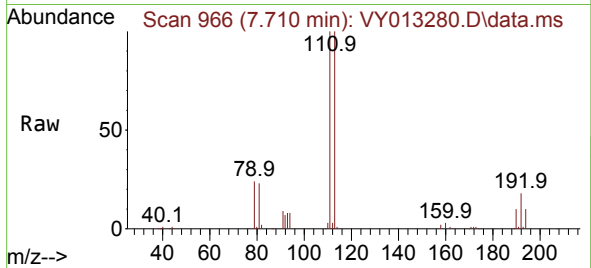




#35
Dibromofluoromethane
Concen: 54.018 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY013280.D
Acq: 12 Apr 2023 20:29

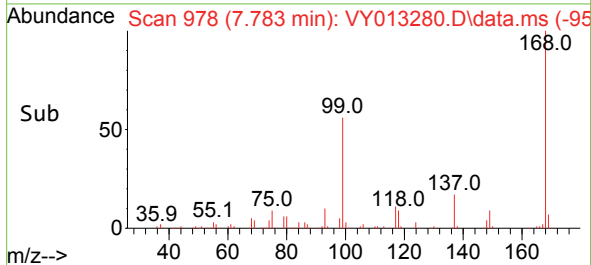
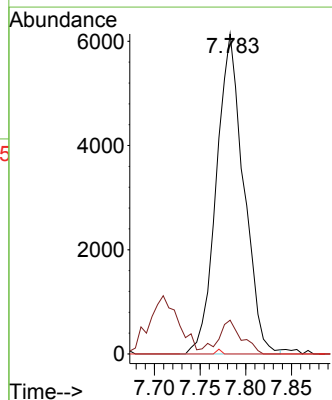
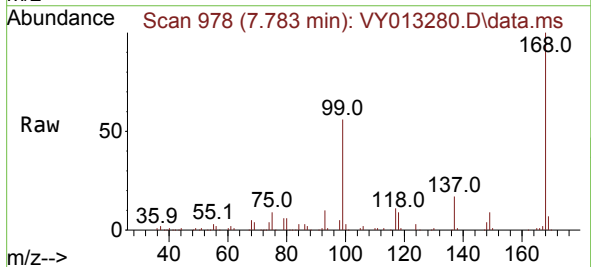
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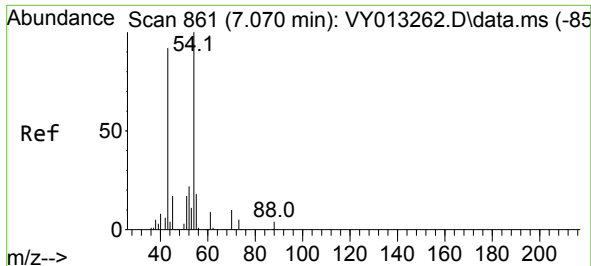
Tgt Ion:113 Resp: 90235
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 19.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.043 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY013280.D
Acq: 12 Apr 2023 20:29

Tgt Ion: 75 Resp: 12762
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.3#
77 0.3 25.0 37.4#





#37

Ethyl Acetate

Concen: 9.323 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.086 min

Lab File: VY013280.D

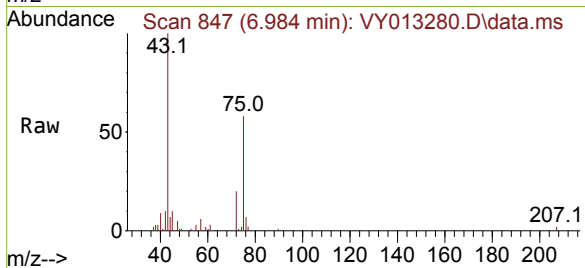
Acq: 12 Apr 2023 20:29

Instrument :

MSVOA_Y

ClientSampleId :

20230241-12-3



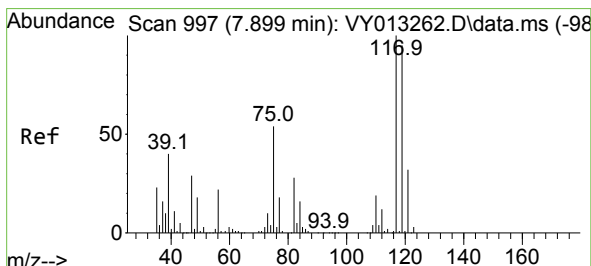
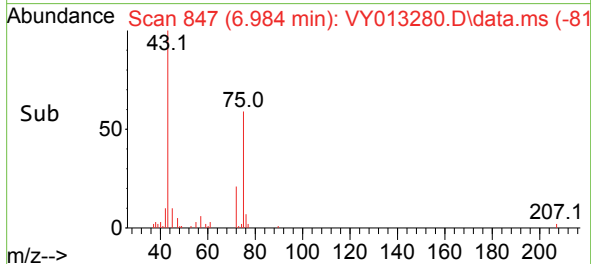
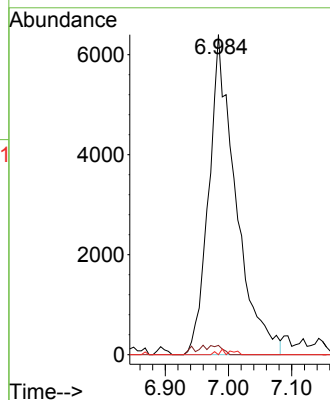
Tgt Ion: 43 Resp: 19018

Ion Ratio Lower Upper

43 100

61 1.4 10.7 16.1#

70 0.3 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.515 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY013280.D

Acq: 12 Apr 2023 20:29

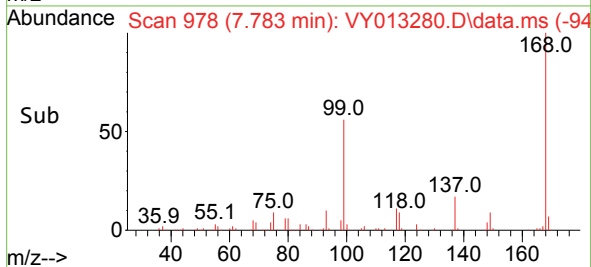
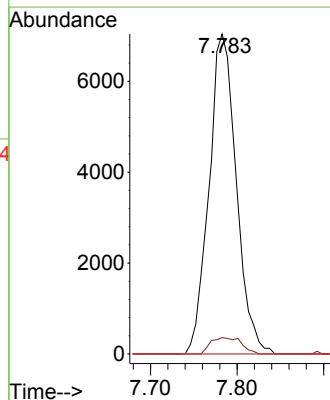
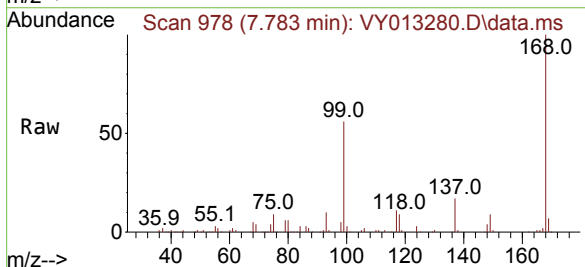
Tgt Ion: 117 Resp: 15432

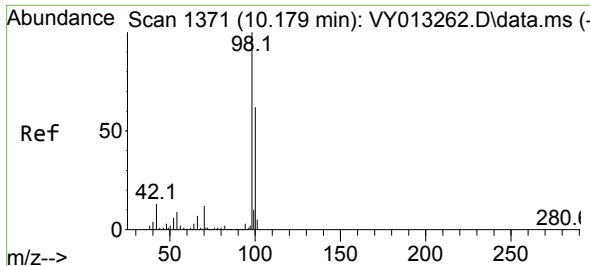
Ion Ratio Lower Upper

117 100

119 5.1 77.2 115.8#

121 0.0 24.7 37.1#

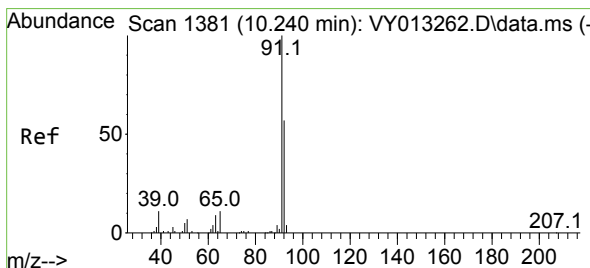
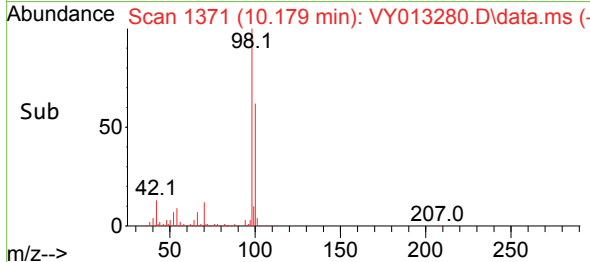
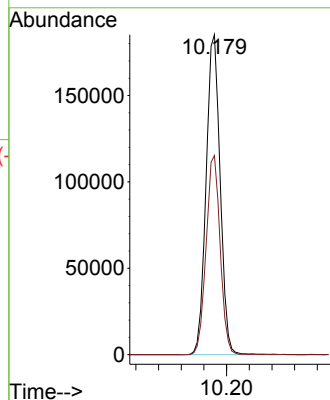
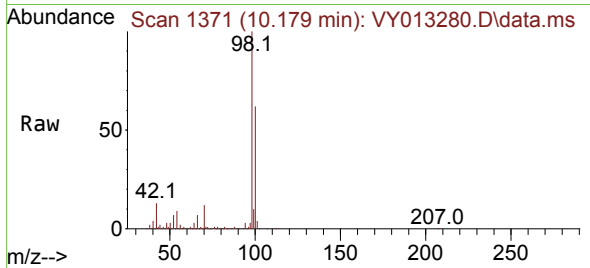




#50
Toluene-d8
Concen: 51.214 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013280.D
Acq: 12 Apr 2023 20:29

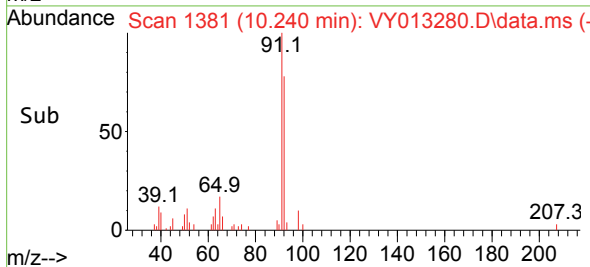
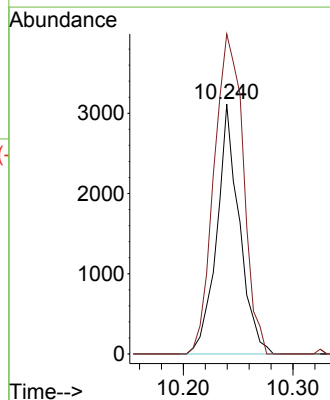
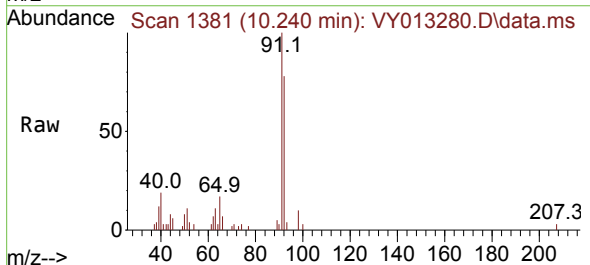
Instrument :
MSVOA_Y
ClientSampleId :
20230241-12-3

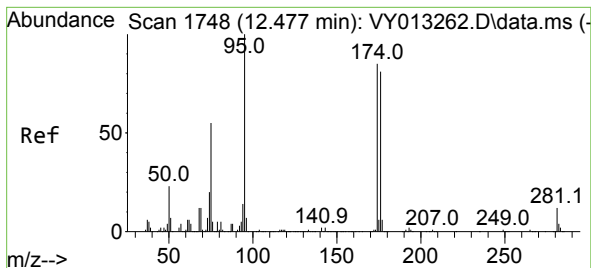
Tgt Ion: 98 Resp: 318435
Ion Ratio Lower Upper
98 100
100 62.2 50.9 76.3



#52
Toluene
Concen: 1.006 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY013280.D
Acq: 12 Apr 2023 20:29

Tgt Ion: 92 Resp: 4450
Ion Ratio Lower Upper
92 100
91 166.1 141.3 211.9

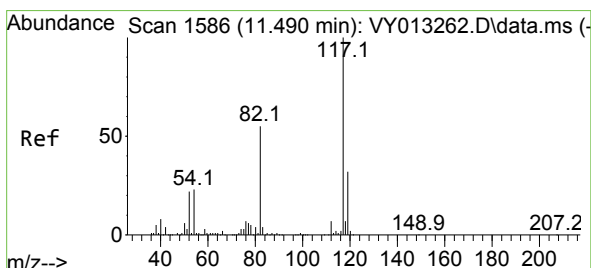
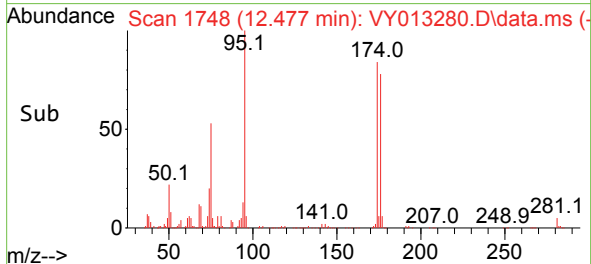
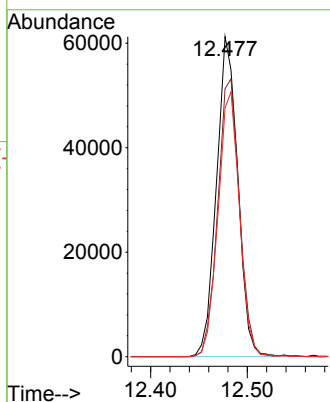
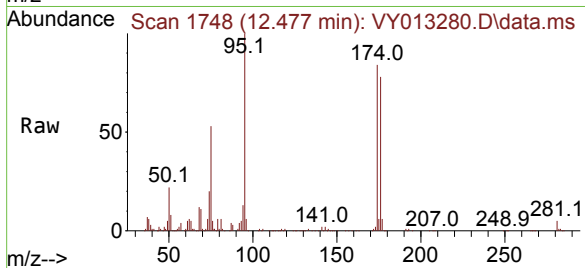




#62
4-Bromofluorobenzene
Concen: 46.210 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013280.D
Acq: 12 Apr 2023 20:29

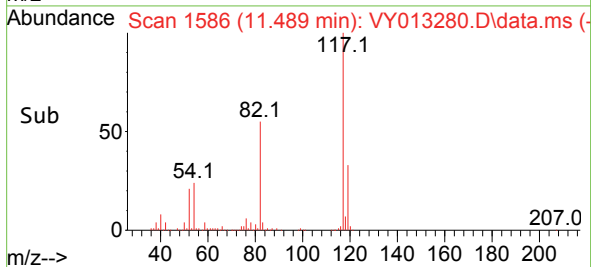
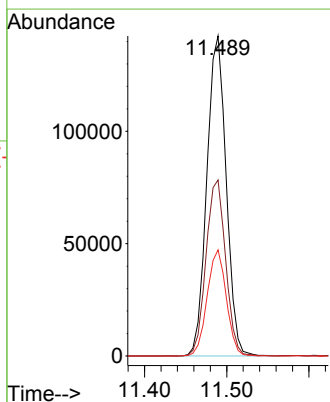
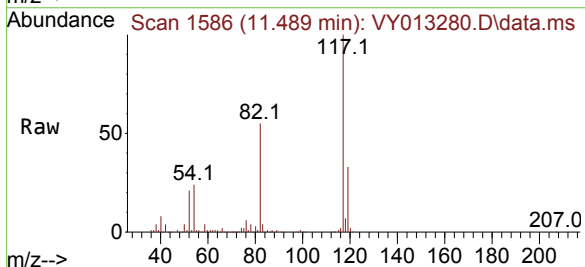
Instrument :
MSVOA_Y
ClientSampleId :
20230241-12-3

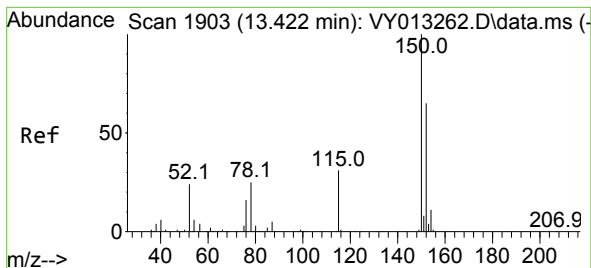
Tgt Ion: 95 Resp: 93355
Ion Ratio Lower Upper
95 100
174 89.3 0.0 176.6
176 83.8 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013280.D
Acq: 12 Apr 2023 20:29

Tgt Ion: 117 Resp: 233048
Ion Ratio Lower Upper
117 100
82 55.0 45.4 68.0
119 33.2 25.6 38.4

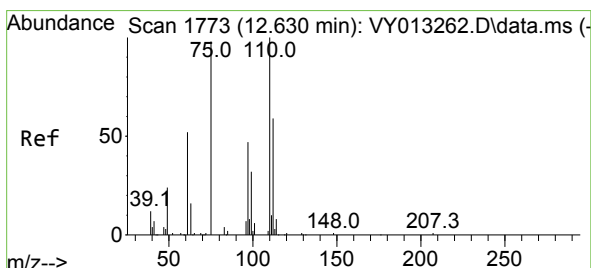
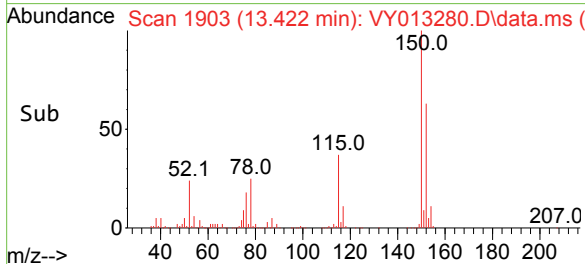
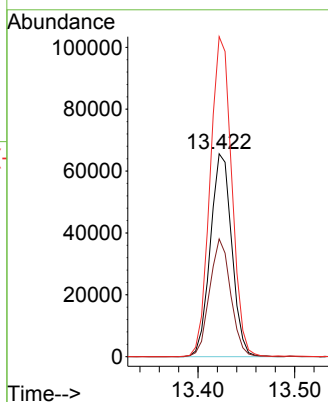
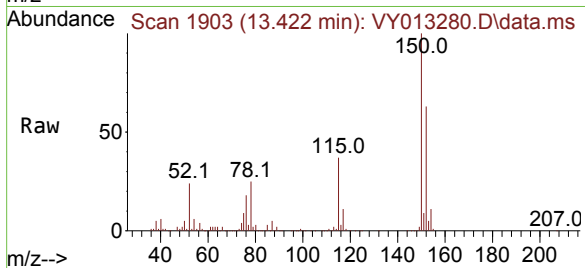




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY013280.D
 Acq: 12 Apr 2023 20:29

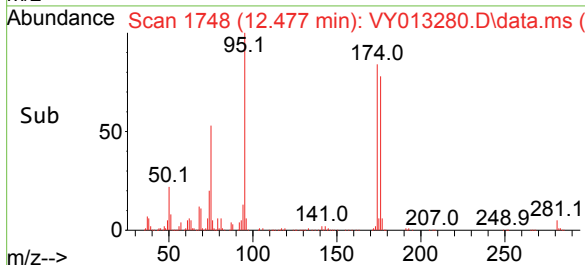
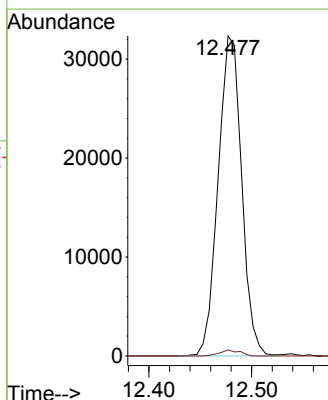
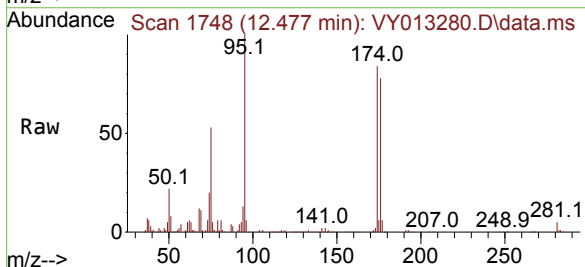
Instrument :
 MSVOA_Y
 ClientSampleId :
 20230241-12-3

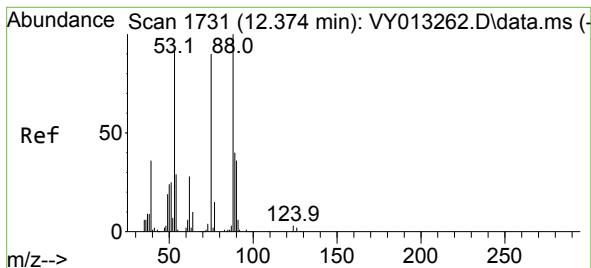
Tgt Ion:152 Resp: 100848
 Ion Ratio Lower Upper
 152 100
 115 57.1 27.1 81.3
 150 159.3 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 40.867 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY013280.D
 Acq: 12 Apr 2023 20:29

Tgt Ion: 75 Resp: 51355
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

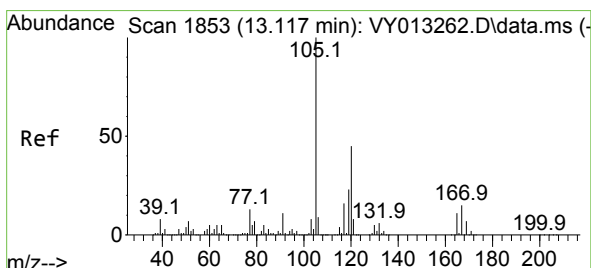
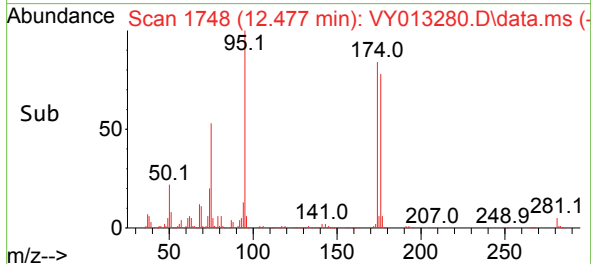
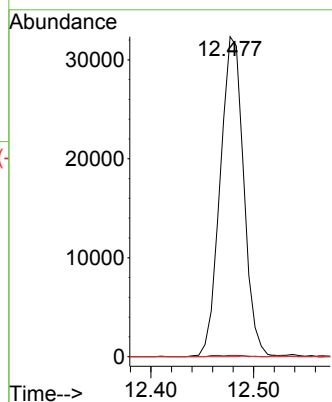
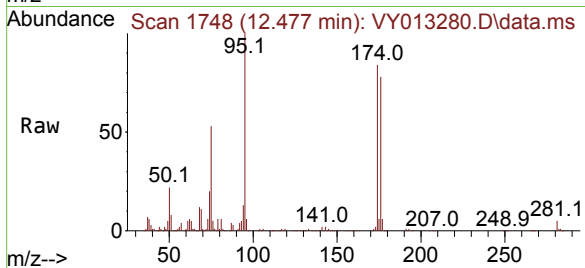




#81
trans-1,4-Dichloro-2-butene
Concen: 84.819 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY013280.D
Acq: 12 Apr 2023 20:29

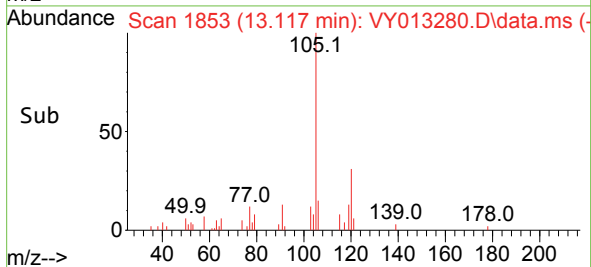
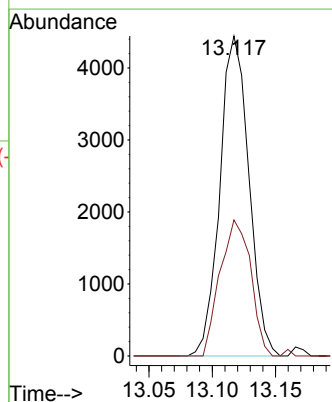
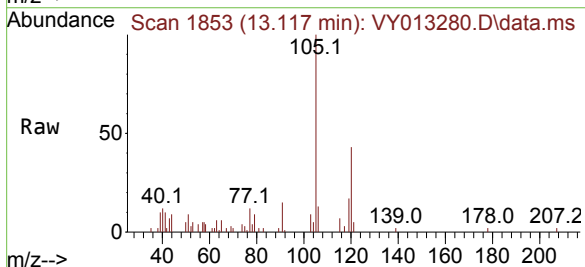
Instrument :
MSVOA_Y
ClientSampleId :
20230241-12-3

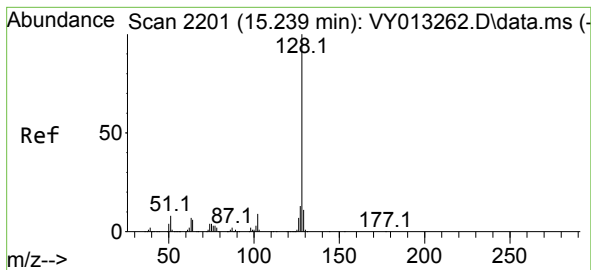
Tgt Ion: 75 Resp: 51355
Ion Ratio Lower Upper
75 100
53 0.2 73.4 110.0#
89 0.0 36.6 55.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.258 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY013280.D
Acq: 12 Apr 2023 20:29

Tgt Ion: 105 Resp: 7093
Ion Ratio Lower Upper
105 100
120 44.8 23.0 69.0





#95

Naphthalene

Concen: 3.528 ug/l

RT: 15.226 min Scan# 21

Delta R.T. -0.013 min

Lab File: VY013280.D

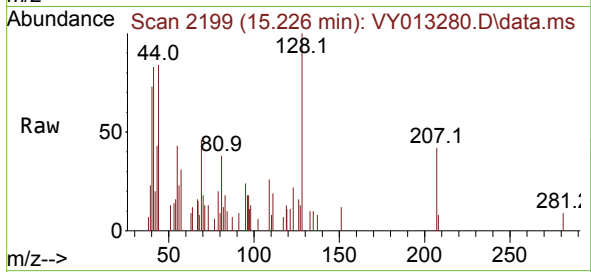
Acq: 12 Apr 2023 20:29

Instrument :

MSVOA_Y

ClientSampleId :

20230241-12-3



Tgt Ion:128 Resp: 1529

Ion Ratio Lower Upper

128 100

127 19.2 10.3 15.5#

129 8.1 8.6 13.0#

