

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
 Data File : VY013277.D
 Acq On : 12 Apr 2023 19:19
 Operator : KP/MD
 Sample : 02283-07
 Misc : 3.77g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230222-7-4

Quant Time: Apr 13 06:19:19 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)

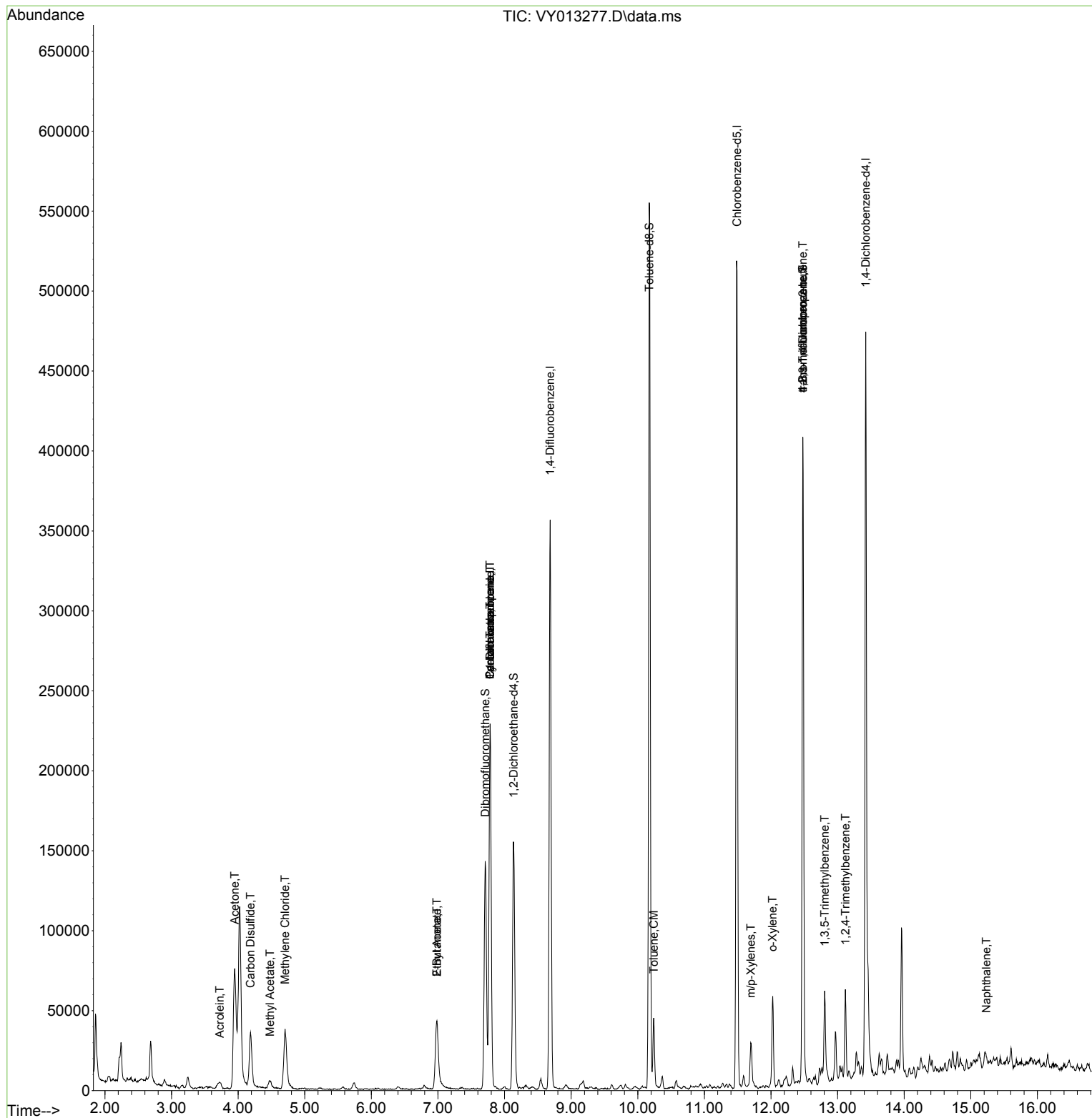
Internal Standards						
1) Pentafluorobenzene	7.783	168	172944	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	289317	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	266379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	121993	58.696	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.400%
35) Dibromofluoromethane	7.710	113	99806	53.286	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.580%
50) Toluene-d8	10.173	98	355597	51.006	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.020%
62) 4-Bromofluorobenzene	12.477	95	111862	49.383	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.760%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.979	59	231	Below Cal	#	74
13) Acrolein	3.723	56	5143	20.144	ug/l #	63
16) Acetone	3.948	43	176312	246.725	ug/l	95
17) Carbon Disulfide	4.186	76	66766	12.462	ug/l	96
18) Methyl Acetate	4.479	43	10719	4.638	ug/l	100
20) Methylene Chloride	4.704	84	24915	9.762	ug/l #	89
25) 2-Butanone	6.984	43	64429	70.415	ug/l	93
31) Cyclohexane	7.783	56	5373	1.710	ug/l #	50
36) 1,1-Dichloropropene	7.783	75	14258	5.025	ug/l #	49
37) Ethyl Acetate	6.984	43	64429	28.169	ug/l #	70
38) Carbon Tetrachloride	7.783	117	16906	5.388	ug/l #	16
52) Toluene	10.240	92	16524	3.332	ug/l	99
68) m/p-Xylenes	11.697	106	7553	2.034	ug/l	94
69) o-Xylene	12.026	106	13974	4.063	ug/l	98
76) 1,2,3-Trichloropropane	12.477	75	61397	42.382	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.806	105	13952	2.089	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.477	75	61397	87.962	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	27912	4.294	ug/l	99
95) Naphthalene	15.233	128	3837	3.909	ug/l #	90

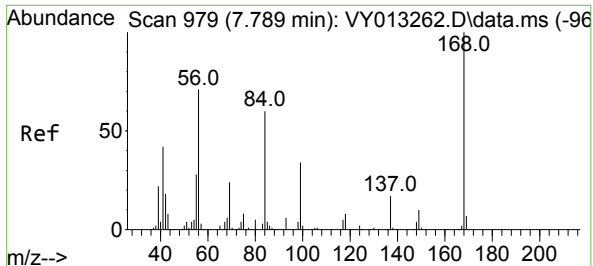
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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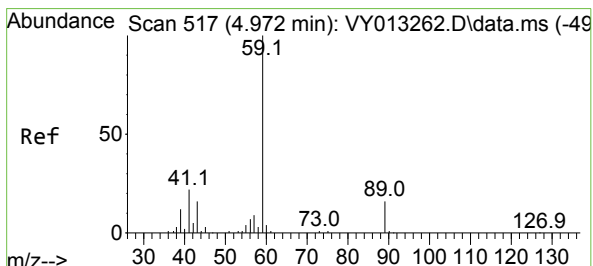
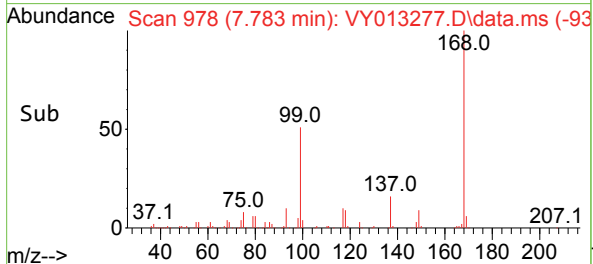
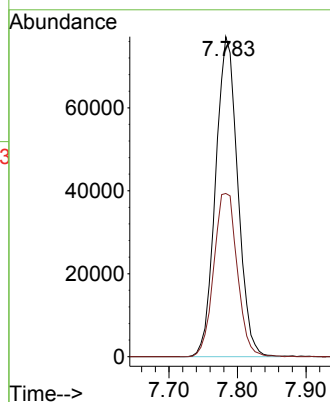
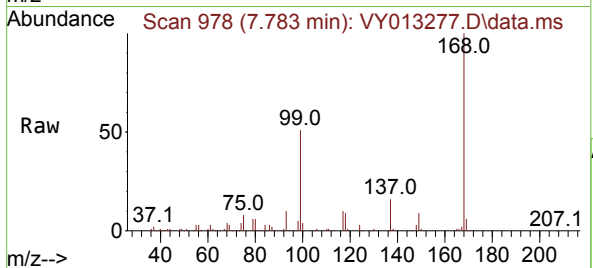




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

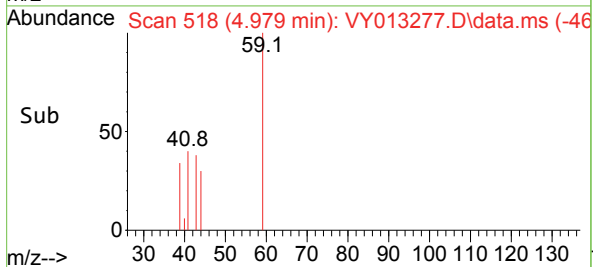
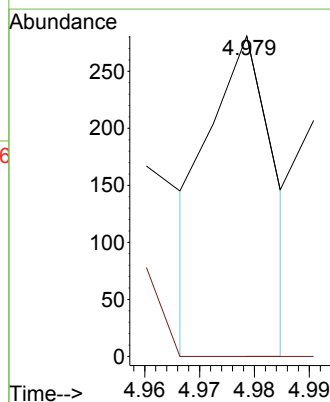
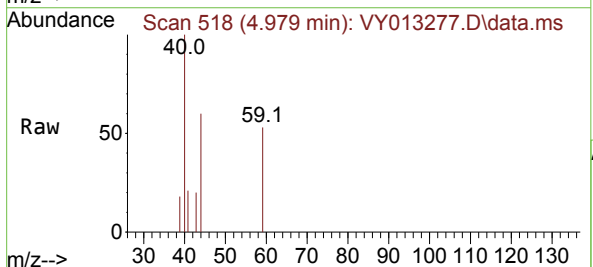
Instrument :
MSVOA_Y
ClientSampleId :
20230222-7-4

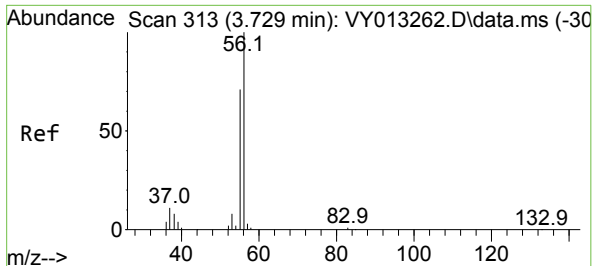
Tgt Ion:168 Resp: 172944
Ion Ratio Lower Upper
168 100
99 51.0 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.979 min Scan# 518
Delta R.T. 0.007 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

Tgt Ion: 59 Resp: 231
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

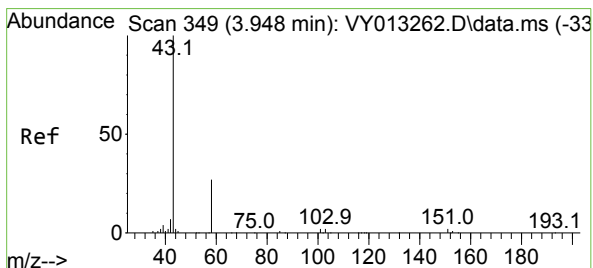
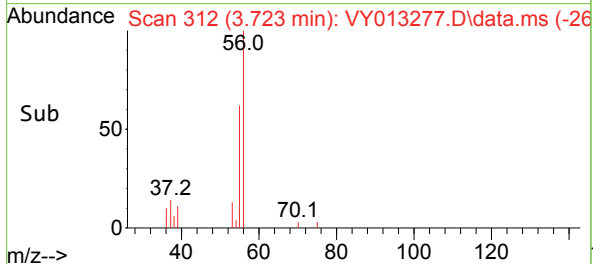
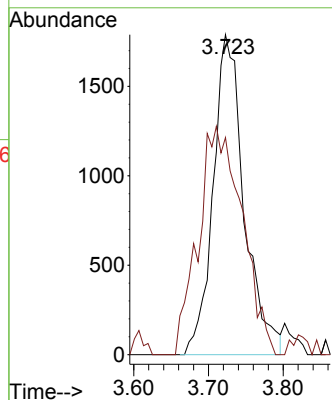
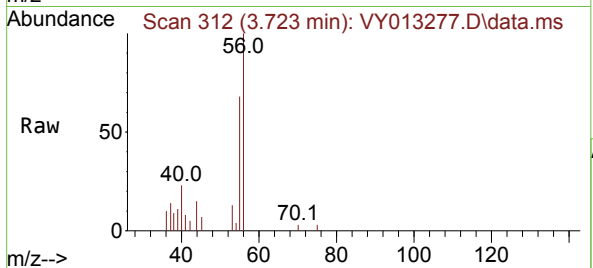




#13
Acrolein
Concen: 20.144 ug/l
RT: 3.723 min Scan# 313
Delta R.T. -0.006 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

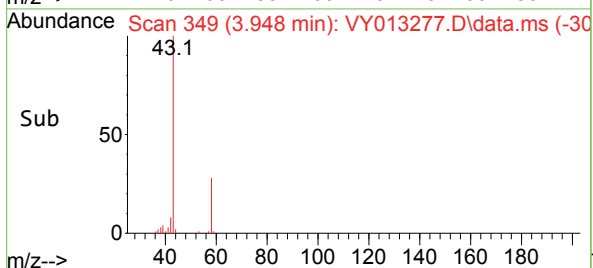
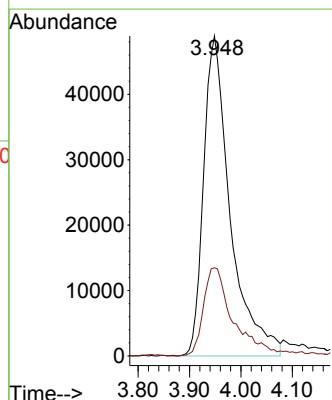
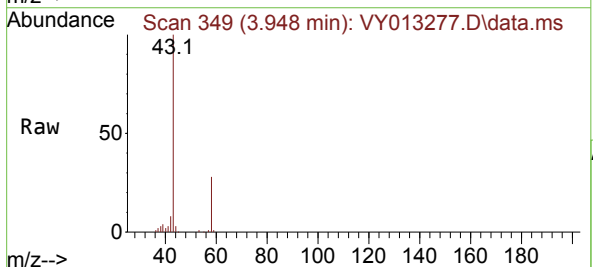
Instrument :
MSVOA_Y
ClientSampleId :
20230222-7-4

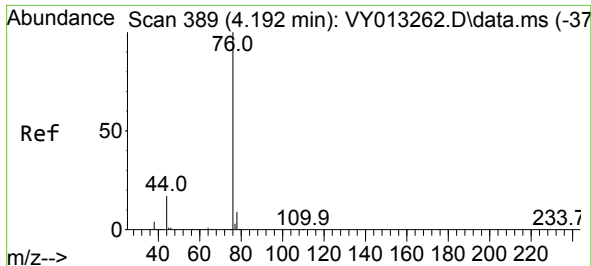
Tgt Ion: 56 Resp: 5143
Ion Ratio Lower Upper
56 100
55 101.3 56.8 85.2#



#16
Acetone
Concen: 246.725 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

Tgt Ion: 43 Resp: 176312
Ion Ratio Lower Upper
43 100
58 27.4 24.2 36.2

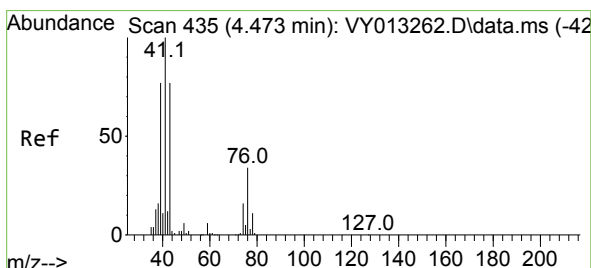
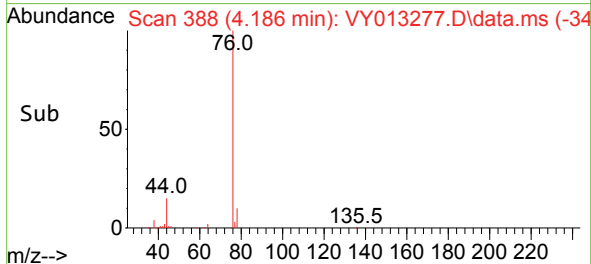
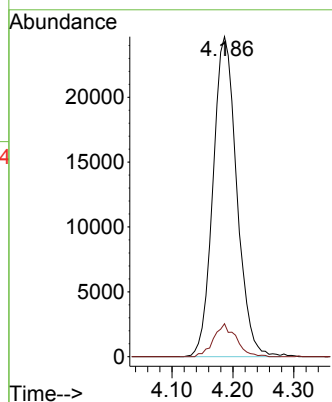
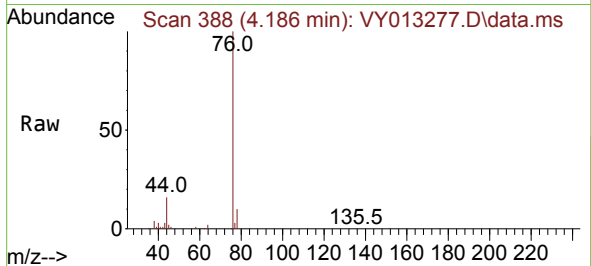




#17
Carbon Disulfide
Concen: 12.462 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

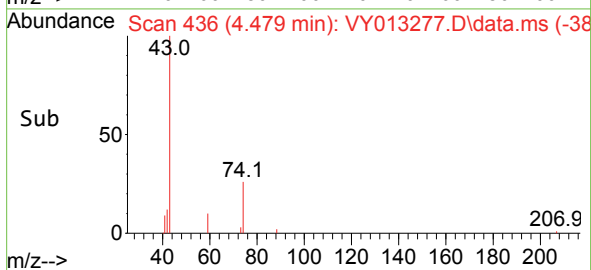
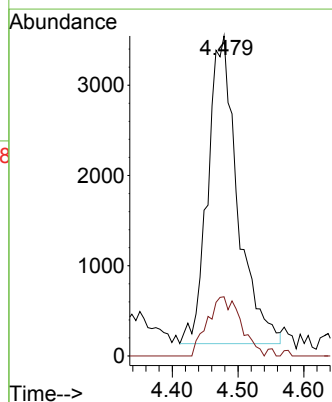
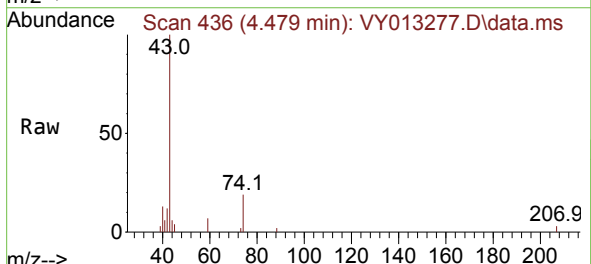
Instrument :
MSVOA_Y
ClientSampleId :
20230222-7-4

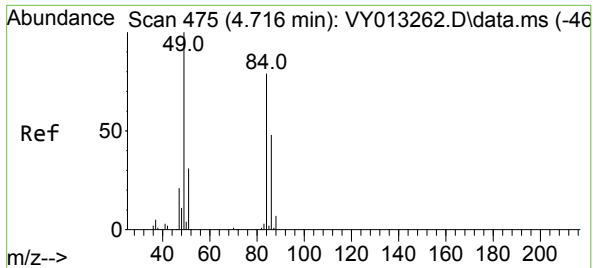
Tgt Ion: 76 Resp: 66766
Ion Ratio Lower Upper
76 100
78 10.3 7.1 10.7



#18
Methyl Acetate
Concen: 4.638 ug/l
RT: 4.479 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

Tgt Ion: 43 Resp: 10719
Ion Ratio Lower Upper
43 100
74 21.6 17.4 26.0

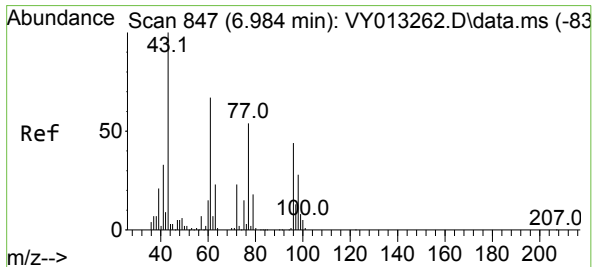
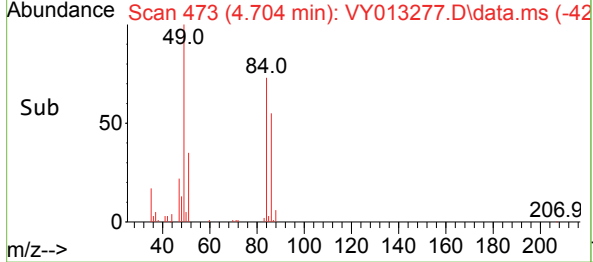
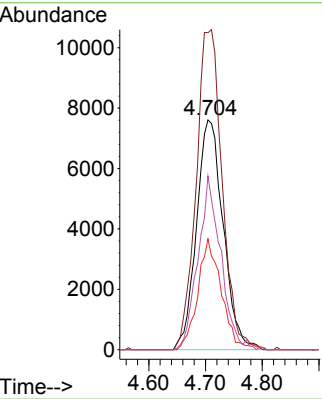
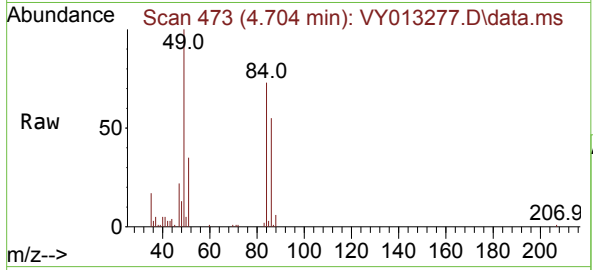




#20
Methylene Chloride
Concen: 9.762 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

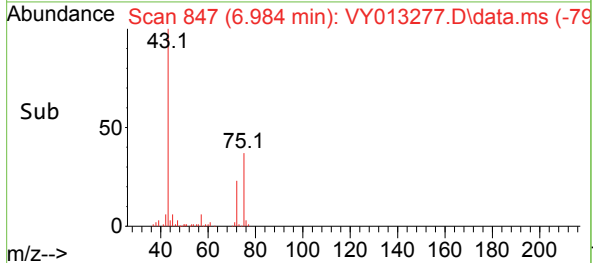
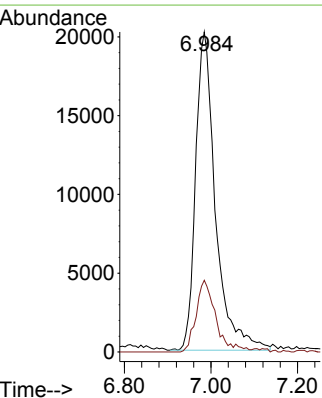
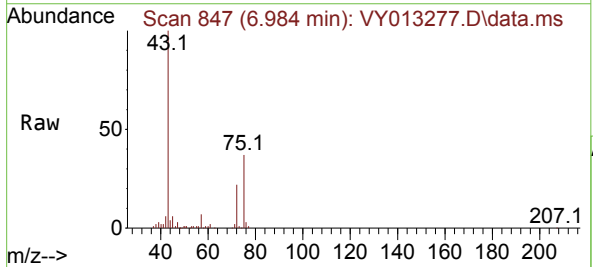
Instrument :
MSVOA_Y
ClientSampleId :
20230222-7-4

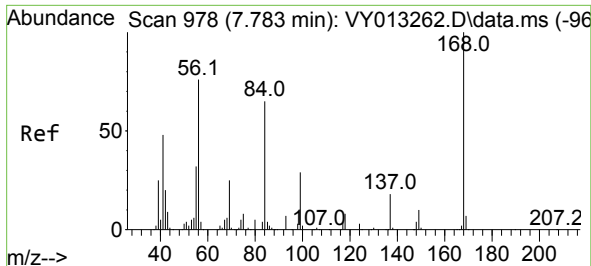
Tgt Ion:	84	Resp:	24915
Ion	Ratio	Lower	Upper
84	100		
49	137.9	102.6	154.0
51	48.2	31.9	47.9#
86	75.6	51.0	76.6



#25
2-Butanone
Concen: 70.415 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

Tgt Ion:	43	Resp:	64429
Ion	Ratio	Lower	Upper
43	100		
72	22.5	21.0	31.4

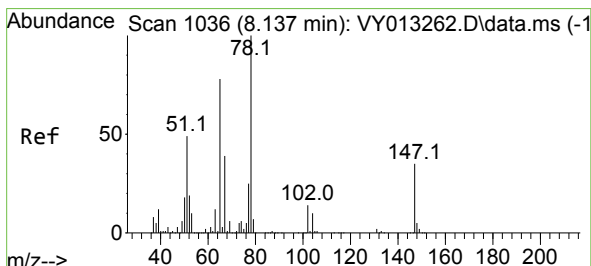
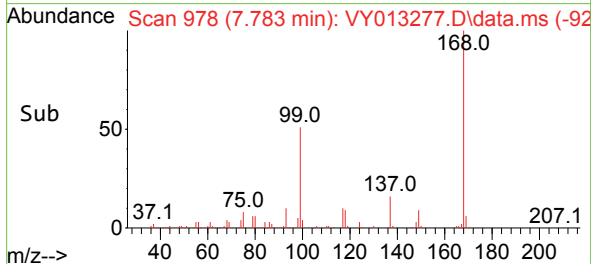
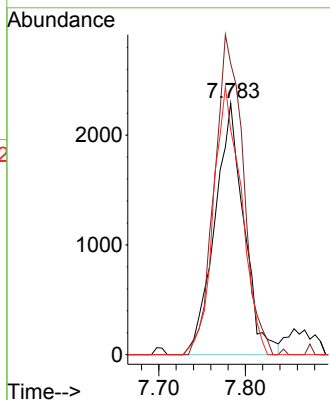
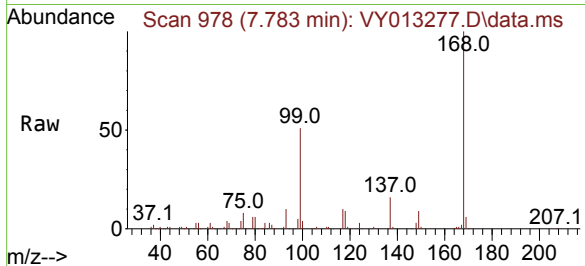




#31
Cyclohexane
Concen: 1.710 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

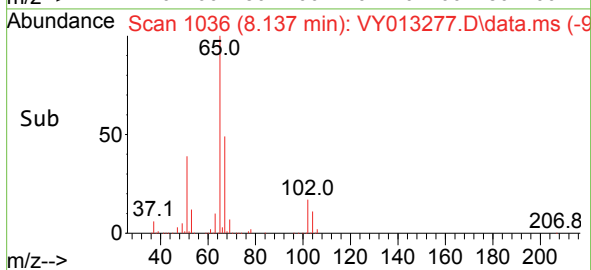
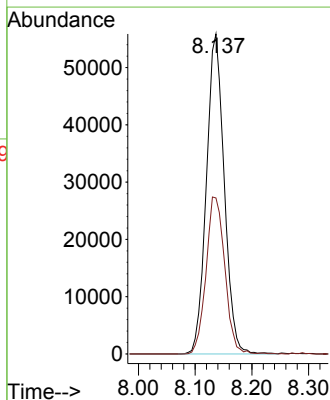
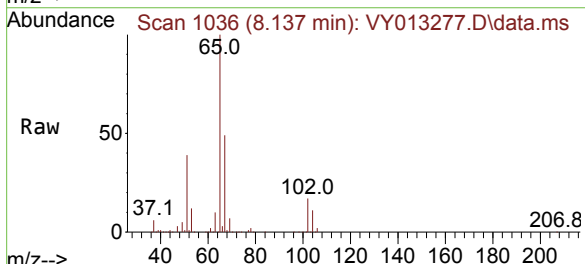
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ClientSampleId :
20230222-7-4

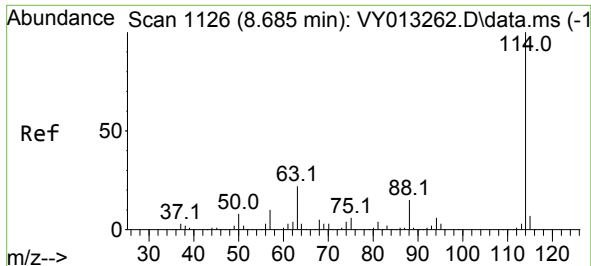
Tgt Ion: 56 Resp: 5373
Ion Ratio Lower Upper
56 100
69 115.7 25.7 38.5#
84 89.4 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 58.696 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

Tgt Ion: 65 Resp: 121993
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.0

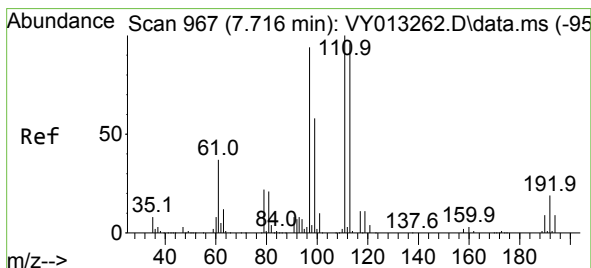
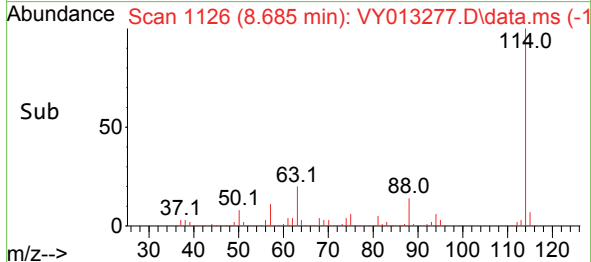
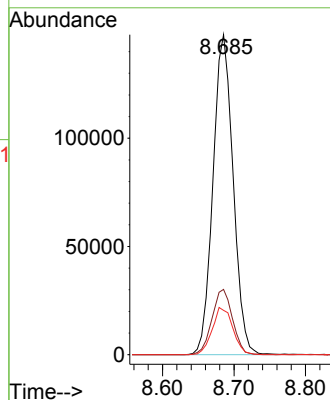
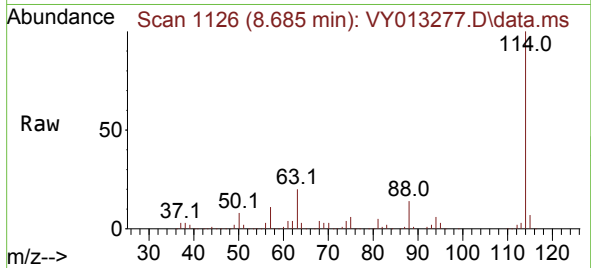




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

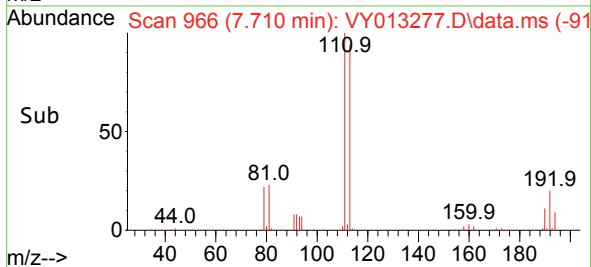
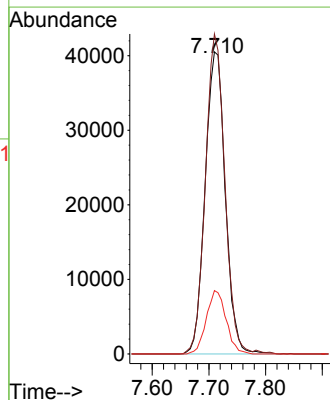
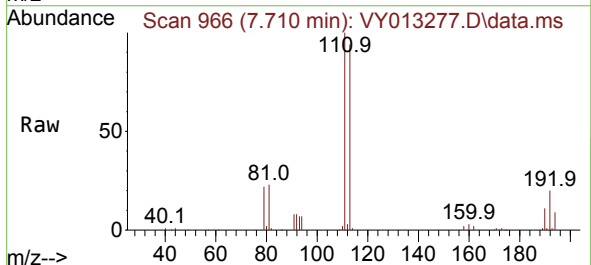
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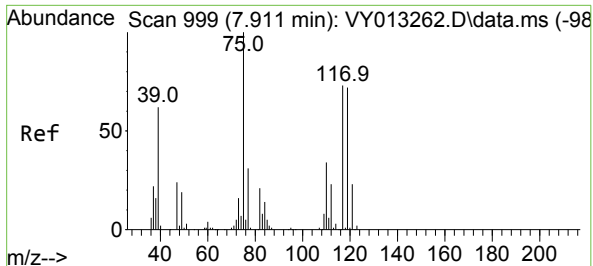
Tgt Ion:114 Resp: 289317
Ion Ratio Lower Upper
114 100
63 20.4 0.0 37.4
88 13.9 0.0 28.6



#35
Dibromofluoromethane
Concen: 53.286 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

Tgt Ion:113 Resp: 99806
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 20.6 16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.025 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013277.D

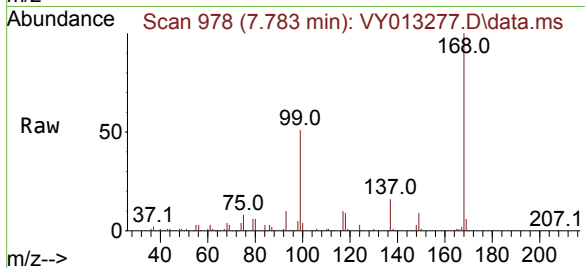
Acq: 12 Apr 2023 19:19

Instrument :

MSVOA_Y

ClientSampleId :

20230222-7-4



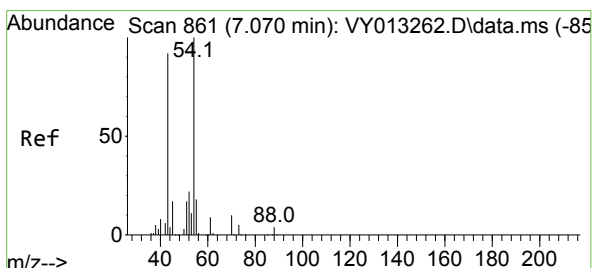
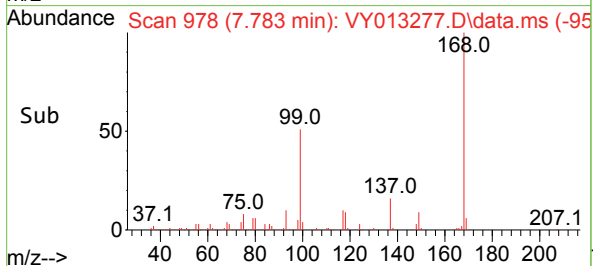
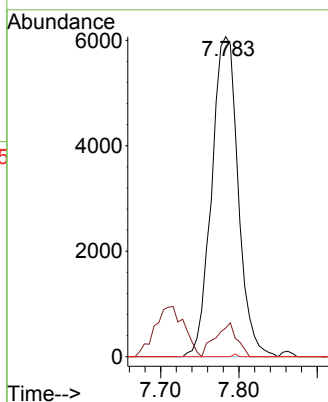
Tgt Ion: 75 Resp: 14258

Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 28.169 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.085 min

Lab File: VY013277.D

Acq: 12 Apr 2023 19:19

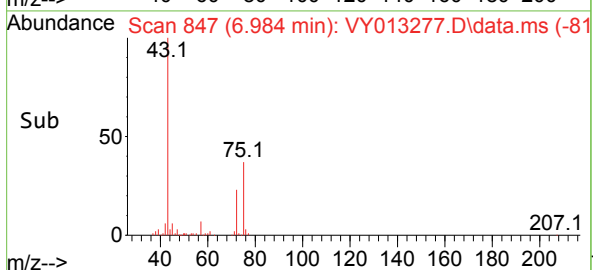
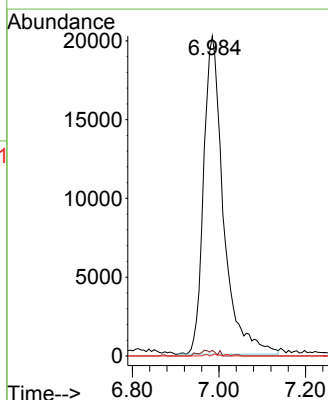
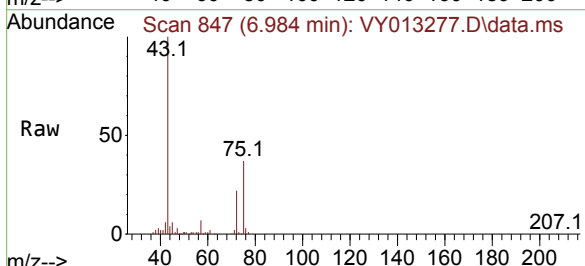
Tgt Ion: 43 Resp: 64429

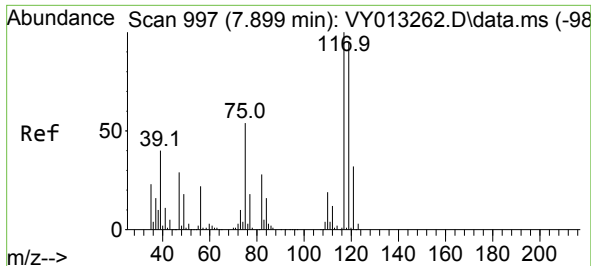
Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.2 7.8 11.8#

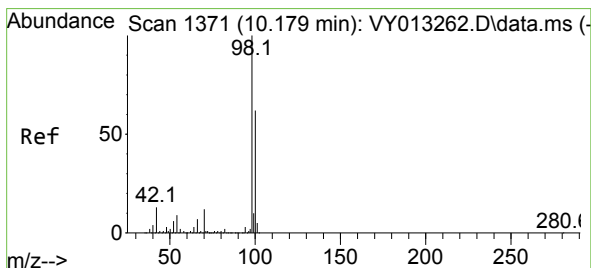
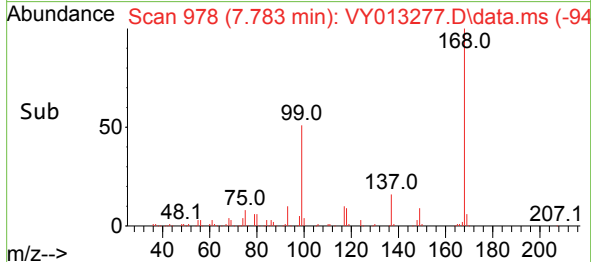
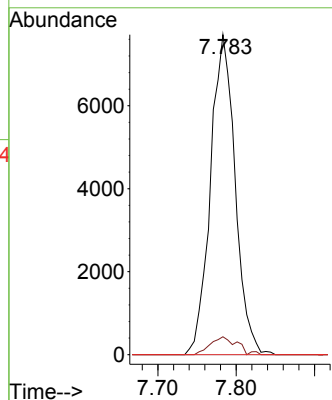
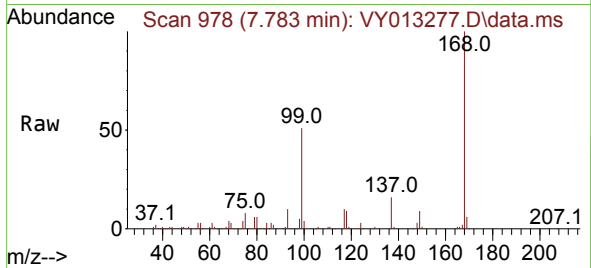




#38
Carbon Tetrachloride
Concen: 5.388 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

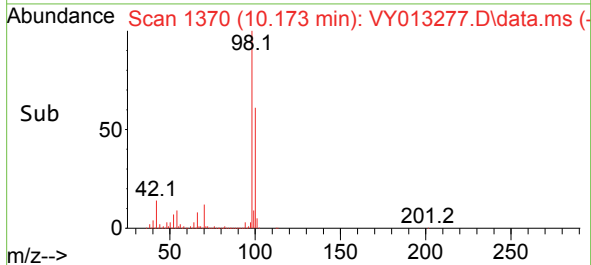
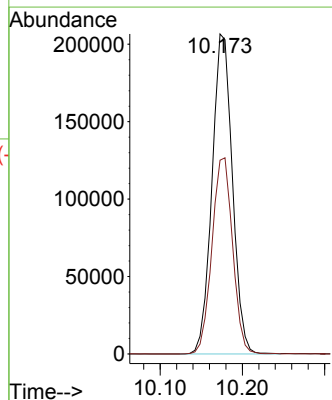
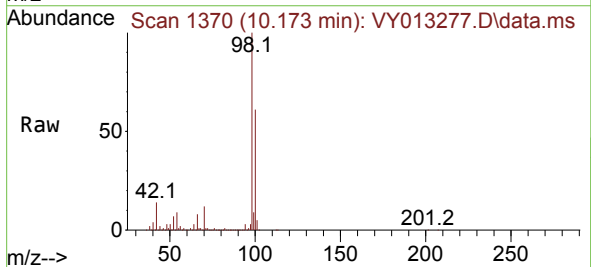
Instrument :
MSVOA_Y
ClientSampleId :
20230222-7-4

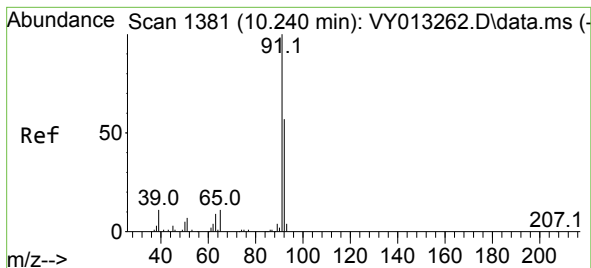
Tgt Ion:117 Resp: 16906
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.006 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

Tgt Ion: 98 Resp: 355597
Ion Ratio Lower Upper
98 100
100 62.2 50.9 76.3





#52

Toluene

Concen: 3.332 ug/l

RT: 10.240 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013277.D

Acq: 12 Apr 2023 19:19

Instrument :

MSVOA_Y

ClientSampleId :

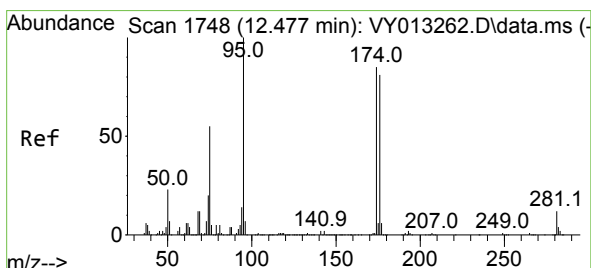
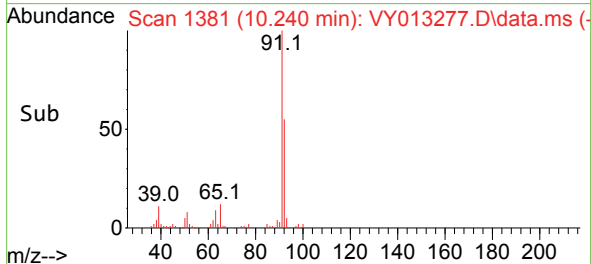
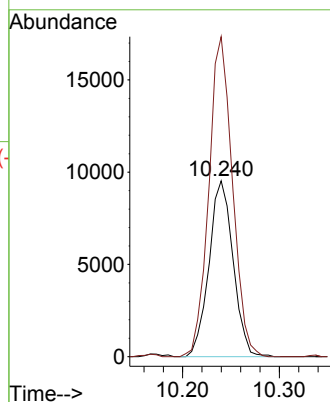
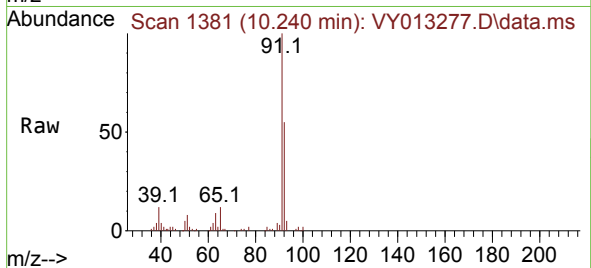
20230222-7-4

Tgt Ion: 92 Resp: 16524

Ion Ratio Lower Upper

92 100

91 178.2 141.3 211.9



#62

4-Bromofluorobenzene

Concen: 49.383 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY013277.D

Acq: 12 Apr 2023 19:19

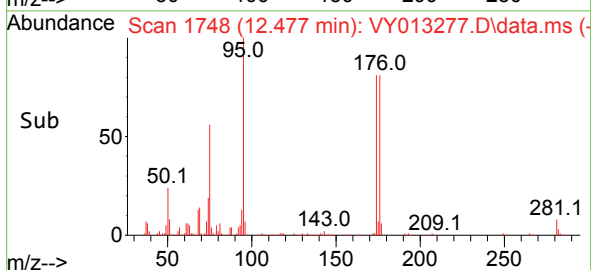
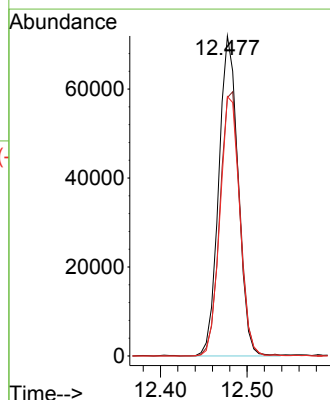
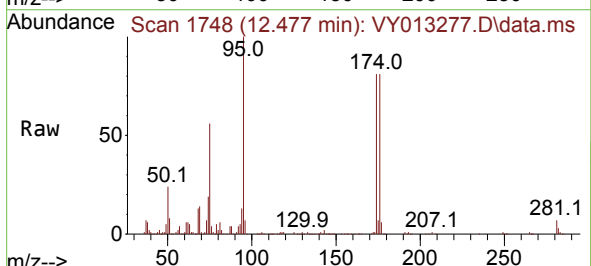
Tgt Ion: 95 Resp: 111862

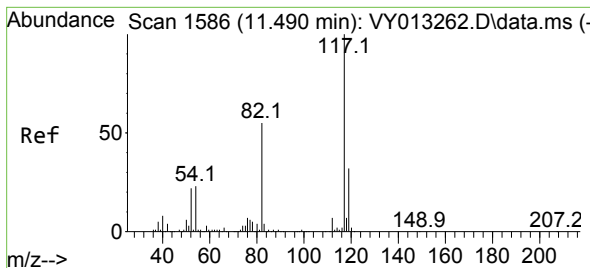
Ion Ratio Lower Upper

95 100

174 85.4 0.0 176.6

176 82.8 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: VY013277.D

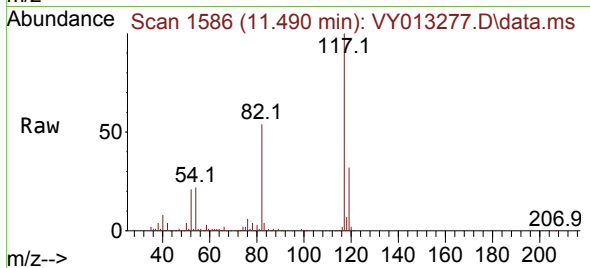
Acq: 12 Apr 2023 19:19

Instrument :

MSVOA_Y

ClientSampleId :

20230222-7-4



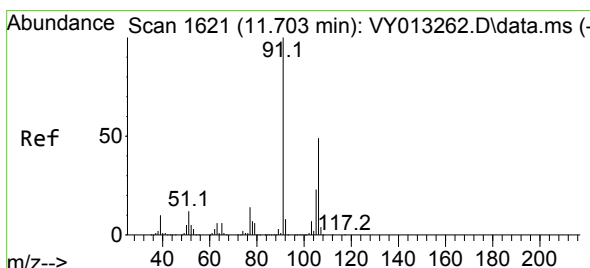
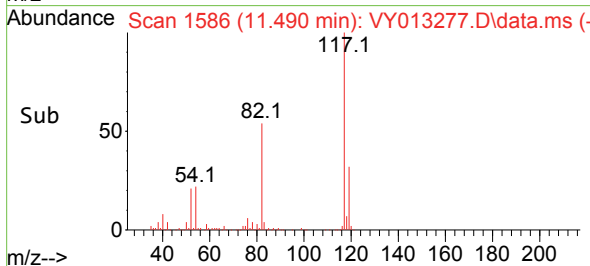
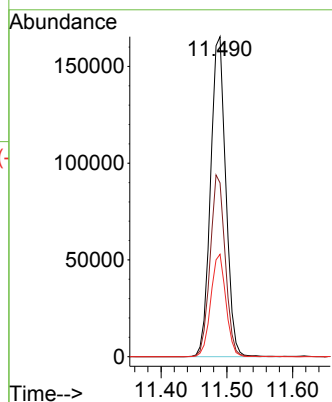
Tgt Ion:117 Resp: 266379

Ion Ratio Lower Upper

117 100

82 54.3 45.4 68.0

119 32.0 25.6 38.4



#68

m/p-Xylenes

Concen: 2.034 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY013277.D

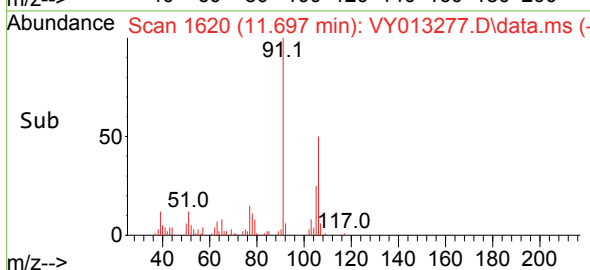
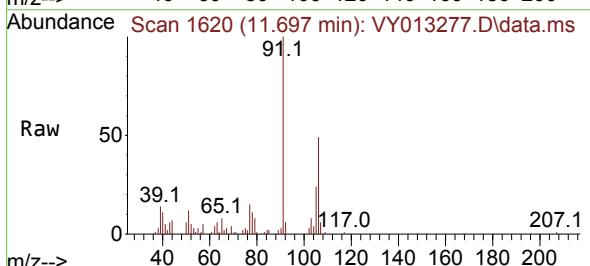
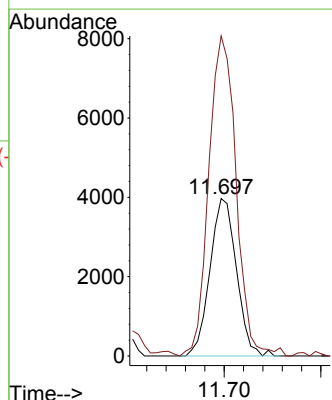
Acq: 12 Apr 2023 19:19

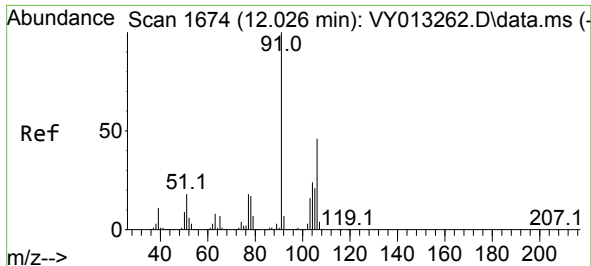
Tgt Ion:106 Resp: 7553

Ion Ratio Lower Upper

106 100

91 209.4 159.8 239.8

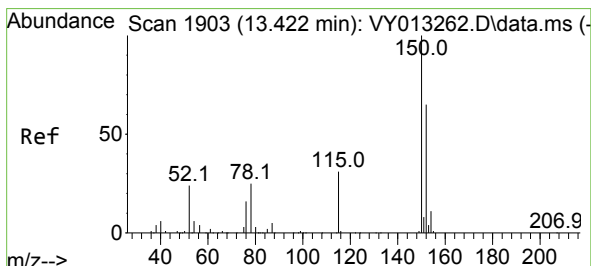
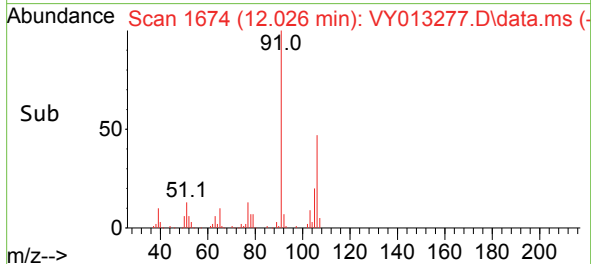
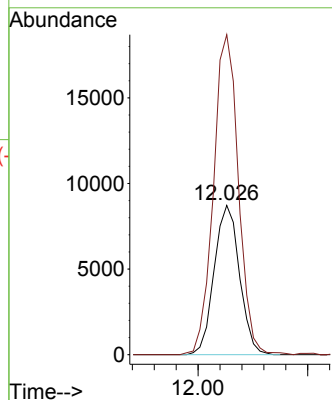
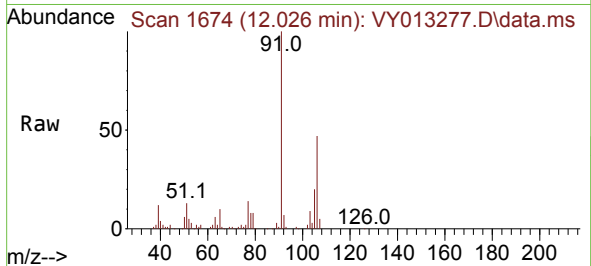




#69
o-Xylene
Concen: 4.063 ug/l
RT: 12.026 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

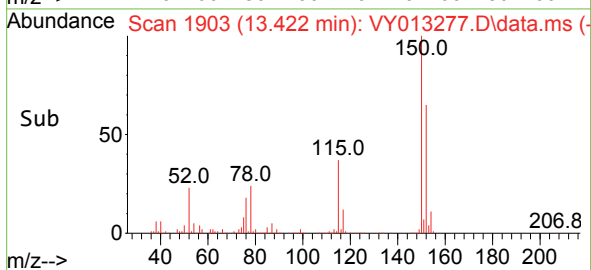
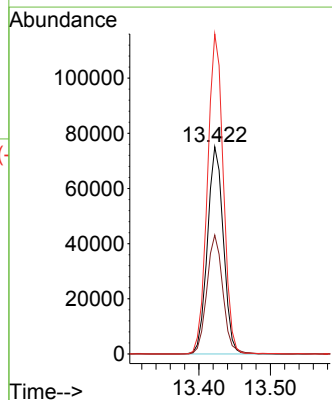
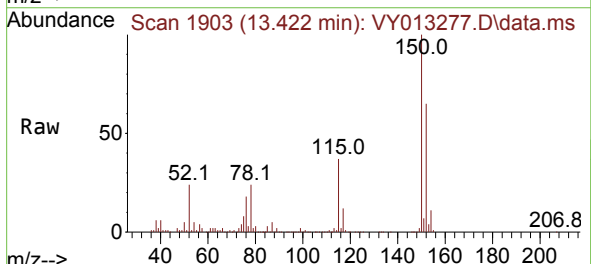
Instrument :
MSVOA_Y
ClientSampleId :
20230222-7-4

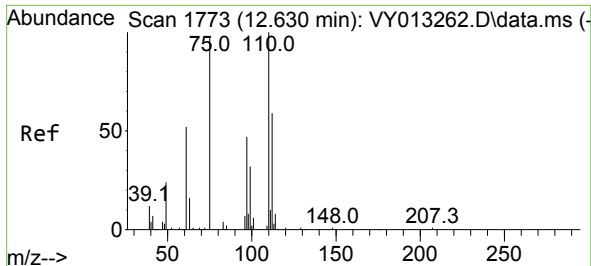
Tgt Ion:106 Resp: 13974
Ion Ratio Lower Upper
106 100
91 211.5 107.2 321.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

Tgt Ion:152 Resp: 116259
Ion Ratio Lower Upper
152 100
115 57.7 27.1 81.3
150 153.8 0.0 347.8

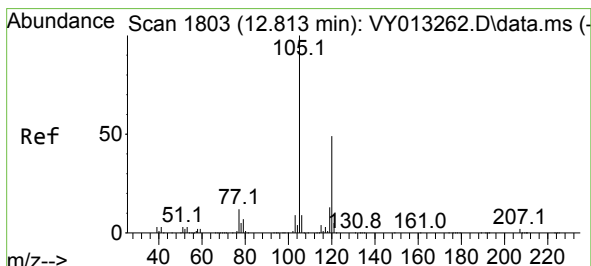
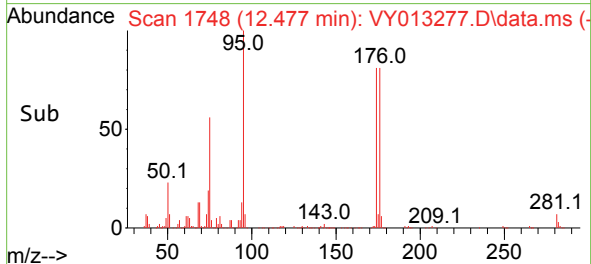
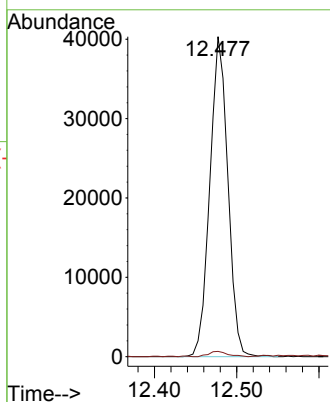
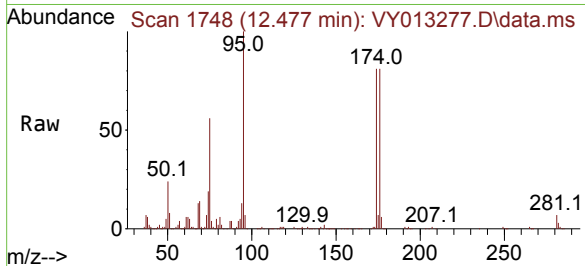




#76
 1,2,3-Trichloropropane
 Concen: 42.382 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013277.D
 Acq: 12 Apr 2023 19:19

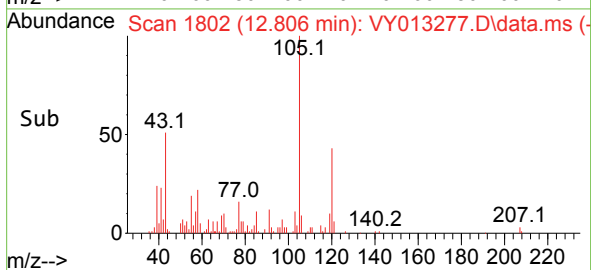
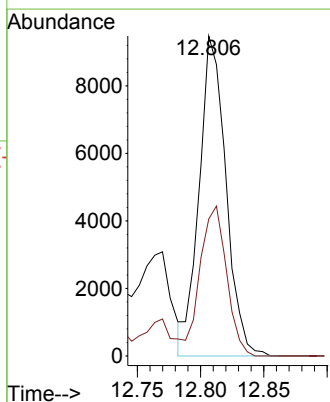
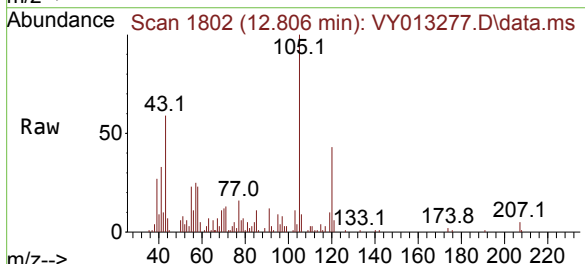
Instrument :
 MSVOA_Y
 ClientSampleId :
 20230222-7-4

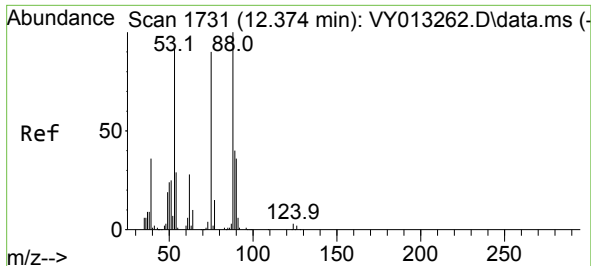
Tgt Ion: 75 Resp: 61397
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 2.089 ug/l
 RT: 12.806 min Scan# 1802
 Delta R.T. -0.006 min
 Lab File: VY013277.D
 Acq: 12 Apr 2023 19:19

Tgt Ion: 105 Resp: 13952
 Ion Ratio Lower Upper
 105 100
 120 45.7 24.8 74.4

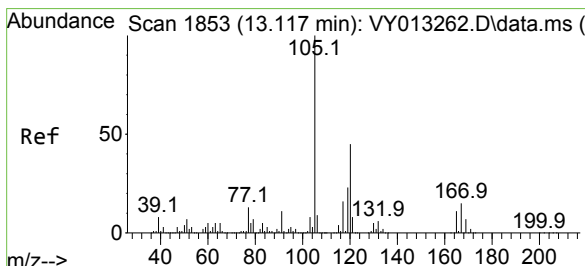
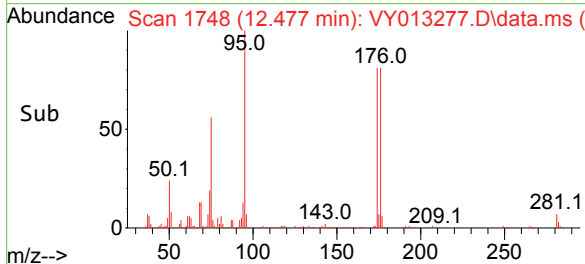
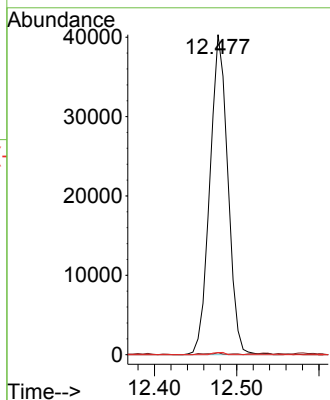
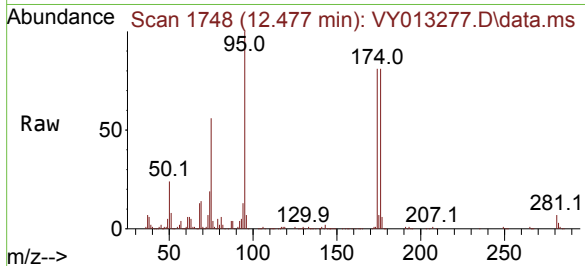




#81
trans-1,4-Dichloro-2-butene
Concen: 87.962 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

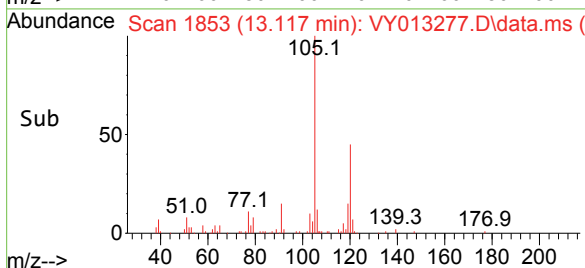
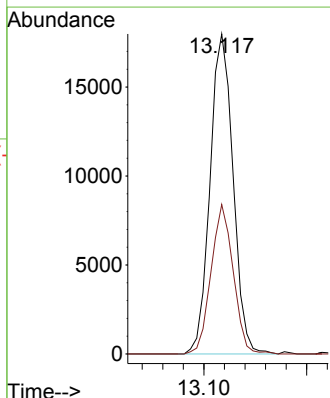
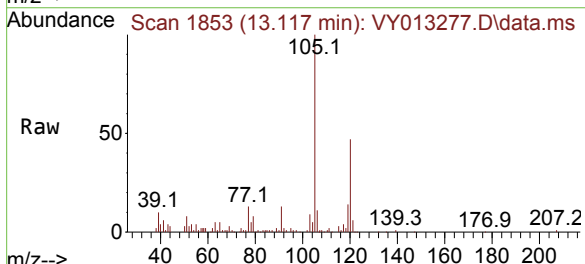
Instrument :
MSVOA_Y
ClientSampleId :
20230222-7-4

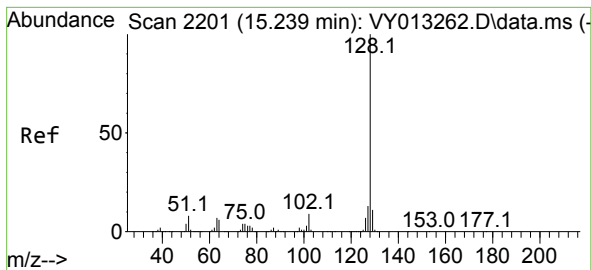
Tgt Ion: 75 Resp: 61397
Ion Ratio Lower Upper
75 100
53 0.5 73.4 110.0#
89 0.4 36.6 55.0#



#84
1,2,4-Trimethylbenzene
Concen: 4.294 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY013277.D
Acq: 12 Apr 2023 19:19

Tgt Ion: 105 Resp: 27912
Ion Ratio Lower Upper
105 100
120 45.1 23.0 69.0





#95

Naphthalene

Concen: 3.909 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY013277.D

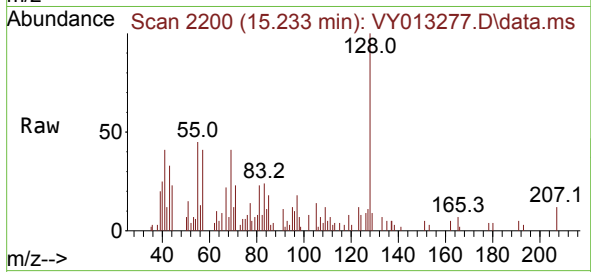
Acq: 12 Apr 2023 19:19

Instrument :

MSVOA_Y

ClientSampleId :

20230222-7-4



Tgt Ion:128 Resp: 3837

Ion Ratio Lower Upper

128 100

127 16.9 10.3 15.5#

129 14.2 8.6 13.0#

