

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
 Data File : VY013278.D
 Acq On : 12 Apr 2023 19:43
 Operator : KP/MD
 Sample : 02283-08
 Misc : 6.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230231-10-1

Quant Time: Apr 13 06:19:45 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)

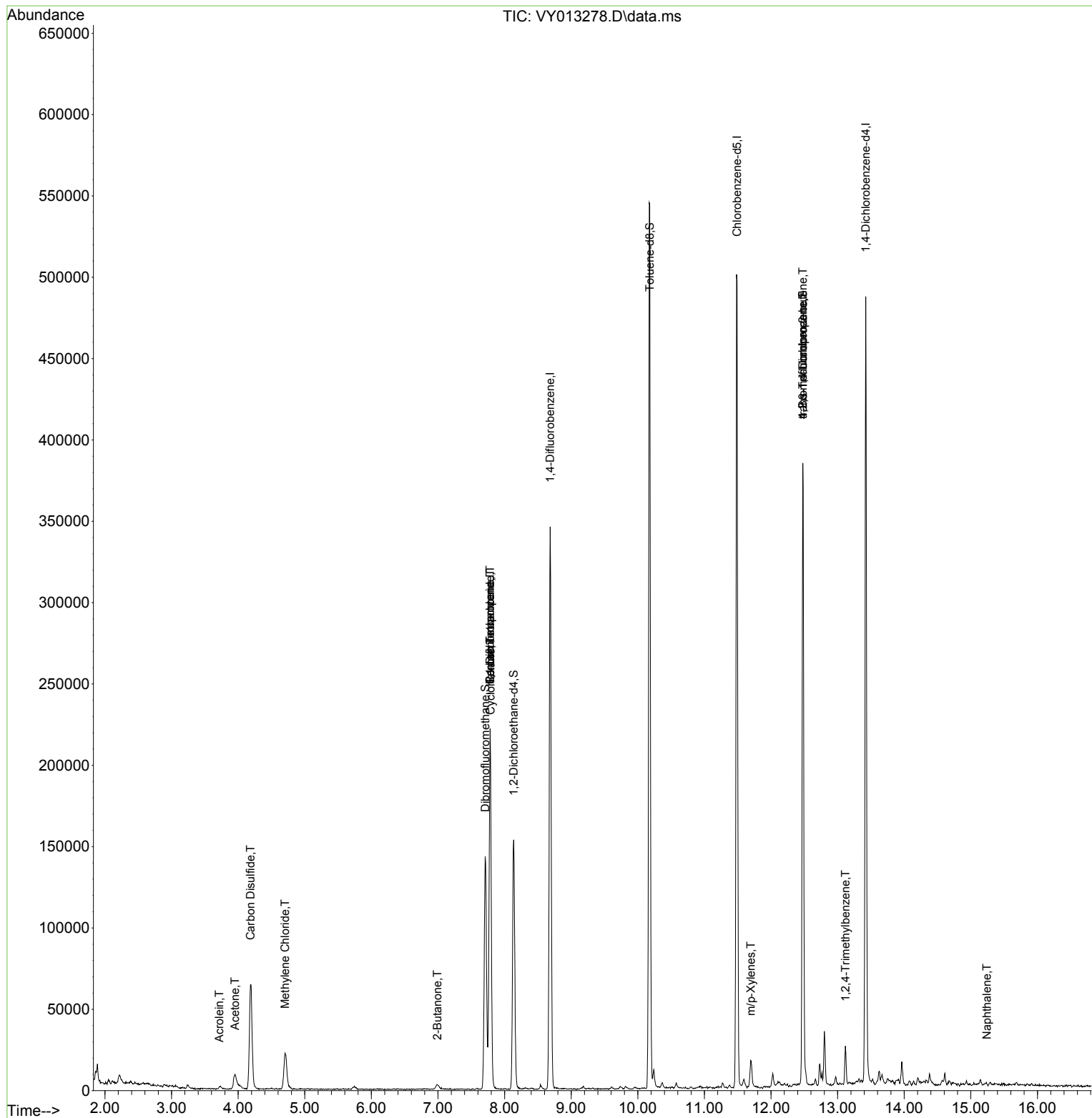
Internal Standards						
1) Pentafluorobenzene	7.783	168	162845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	281870	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	264150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123303	63.005	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.020%			
35) Dibromofluoromethane	7.710	113	98730	54.104	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.200%			
50) Toluene-d8	10.179	98	352184	51.851	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.700%			
62) 4-Bromofluorobenzene	12.477	95	110912	50.257	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.520%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.936	59	122	Below Cal	#	74
13) Acrolein	3.716	56	1603	6.668	ug/l #	71
16) Acetone	3.954	43	19866	29.524	ug/l	94
17) Carbon Disulfide	4.186	76	133672	26.497	ug/l	99
20) Methylene Chloride	4.704	84	15668	4.968	ug/l	93
25) 2-Butanone	6.990	43	4607	5.347	ug/l	94
31) Cyclohexane	7.789	56	4656	1.573	ug/l #	34
36) 1,1-Dichloropropene	7.783	75	13622	4.928	ug/l #	49
38) Carbon Tetrachloride	7.783	117	16508	5.400	ug/l #	16
68) m/p-Xylenes	11.697	106	4195	1.139	ug/l	96
76) 1,2,3-Trichloropropane	12.477	75	60519	41.773	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	60519	86.699	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	11417	1.756	ug/l	97
95) Naphthalene	15.239	128	1217	3.428	ug/l #	82

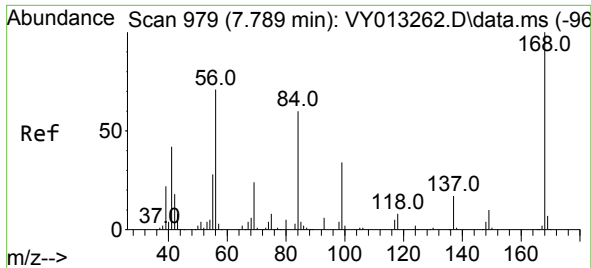
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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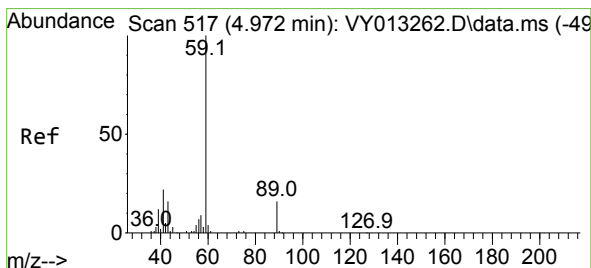
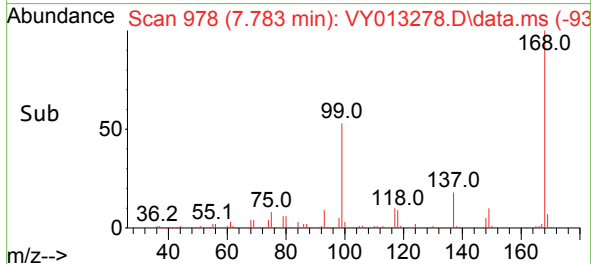
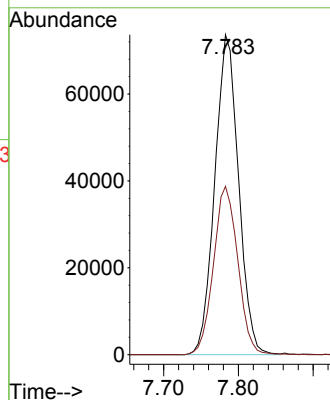
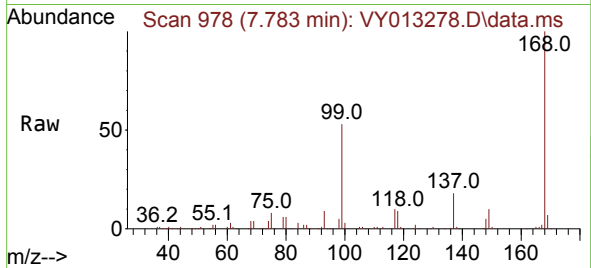




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

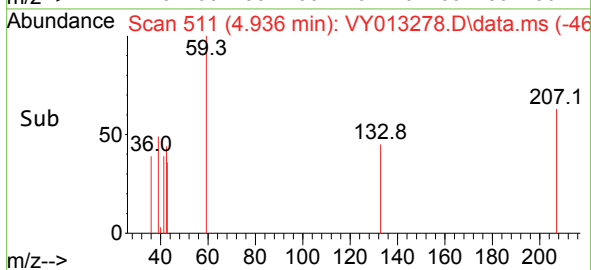
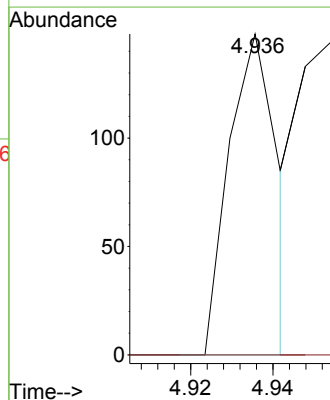
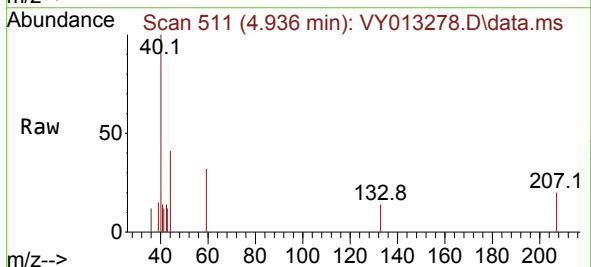
Instrument :
MSVOA_Y
ClientSampleId :
20230231-10-1

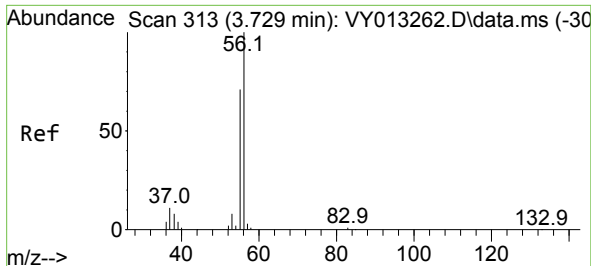
Tgt Ion:168 Resp: 162845
Ion Ratio Lower Upper
168 100
99 52.6 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.036 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

Tgt Ion: 59 Resp: 122
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

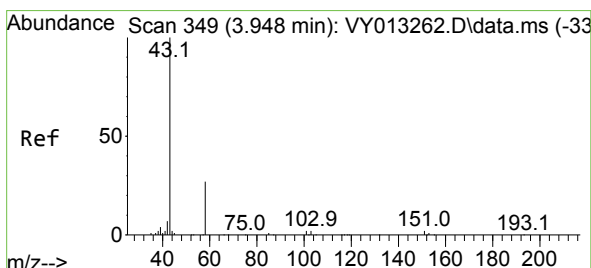
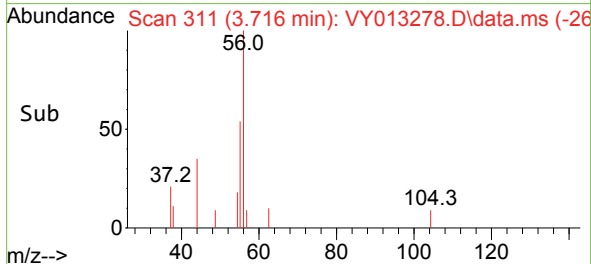
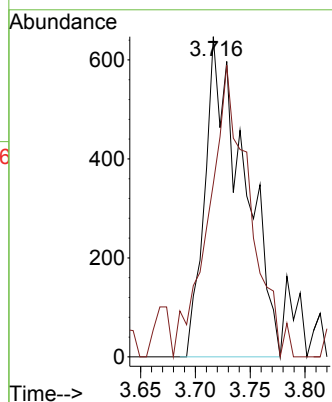
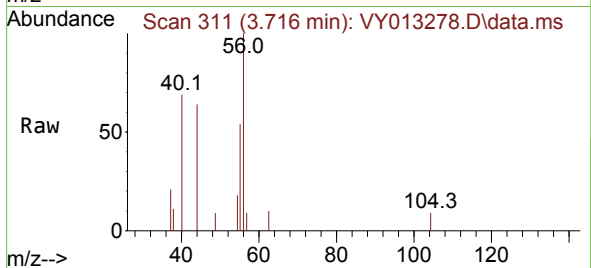




#13
Acrolein
Concen: 6.668 ug/l
RT: 3.716 min Scan# 311
Delta R.T. -0.012 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

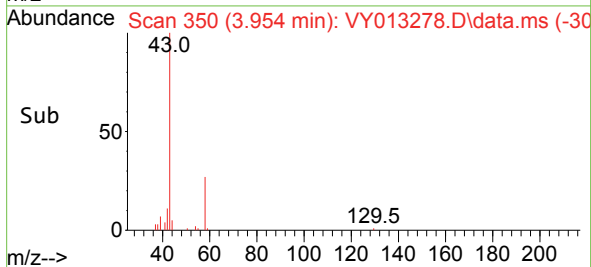
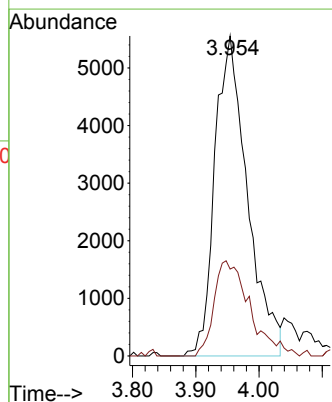
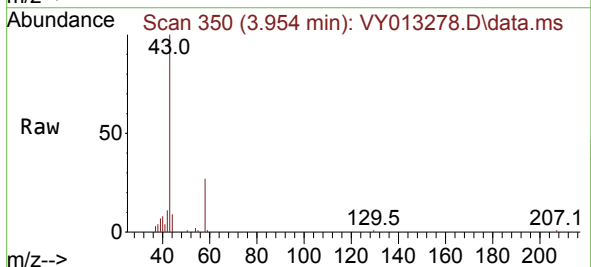
Instrument :
MSVOA_Y
ClientSampleId :
20230231-10-1

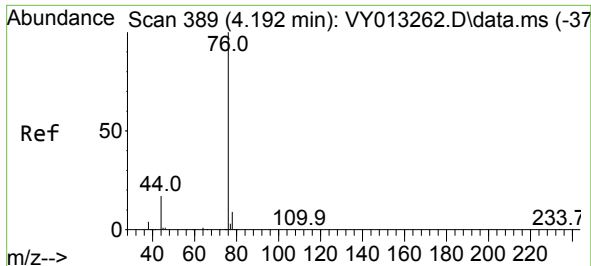
Tgt Ion: 56 Resp: 1603
Ion Ratio Lower Upper
56 100
55 94.6 56.8 85.2#



#16
Acetone
Concen: 29.524 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

Tgt Ion: 43 Resp: 19866
Ion Ratio Lower Upper
43 100
58 27.1 24.2 36.2

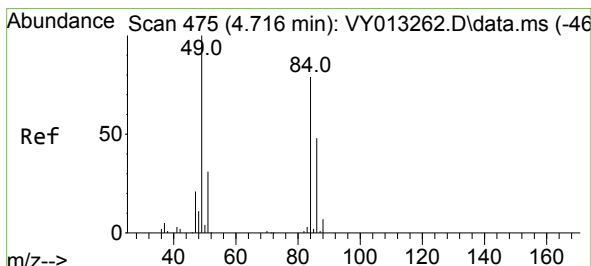
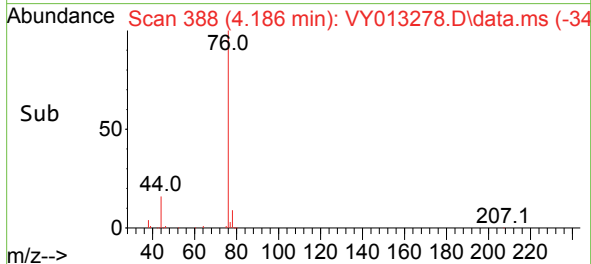
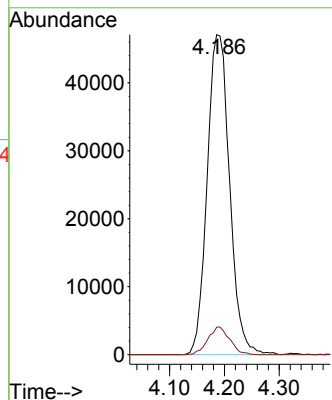
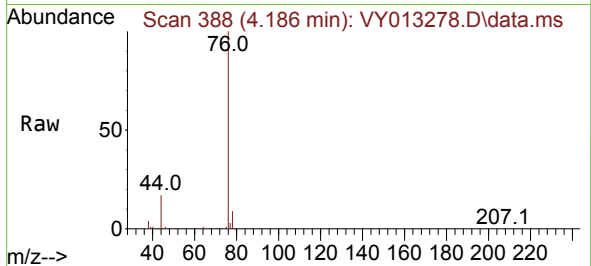




#17
Carbon Disulfide
Concen: 26.497 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

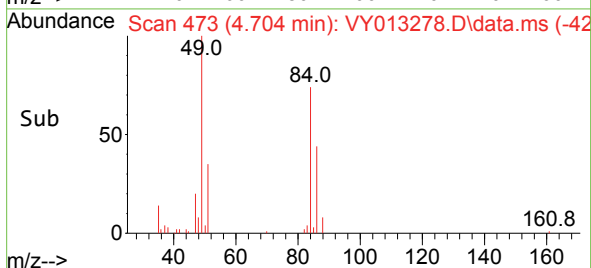
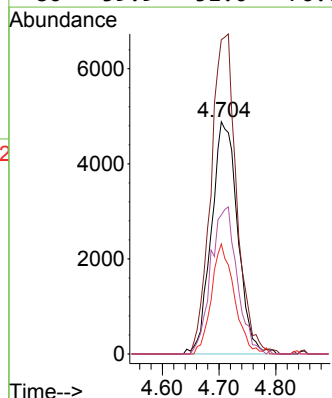
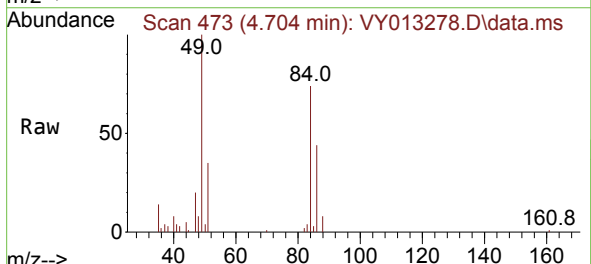
Instrument :
MSVOA_Y
ClientSampleId :
20230231-10-1

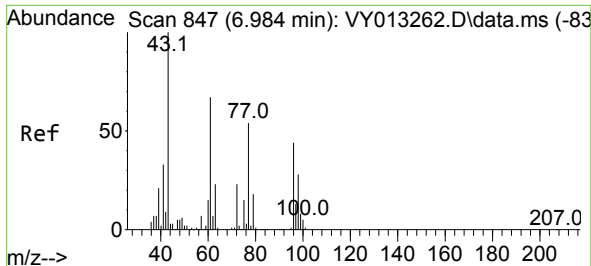
Tgt Ion: 76 Resp: 133672
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7



#20
Methylene Chloride
Concen: 4.968 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

Tgt Ion: 84 Resp: 15668
Ion Ratio Lower Upper
84 100
49 135.4 102.6 154.0
51 47.3 31.9 47.9
86 59.9 51.0 76.6

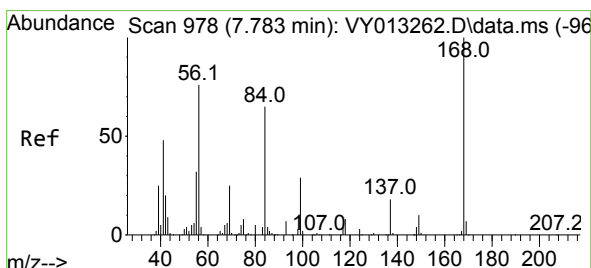
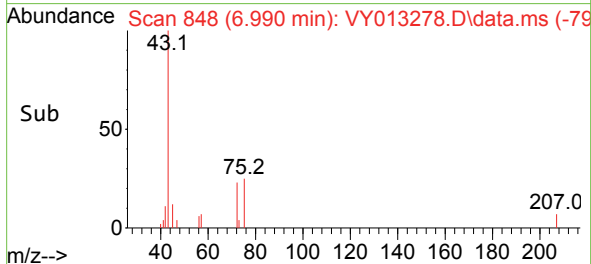
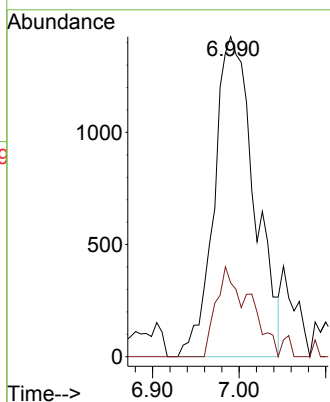
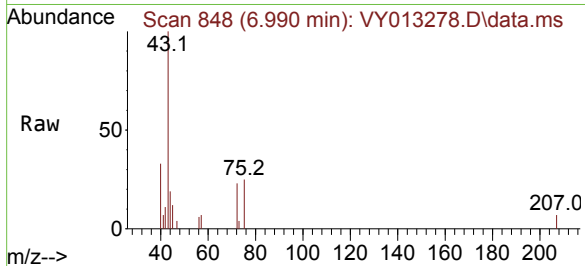




#25
2-Butanone
Concen: 5.347 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

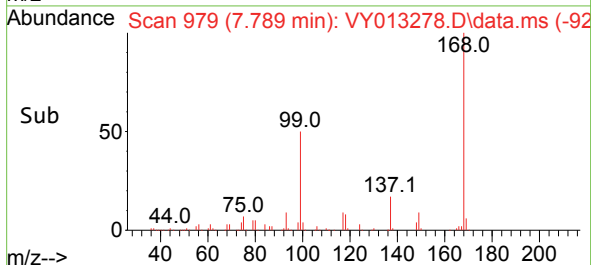
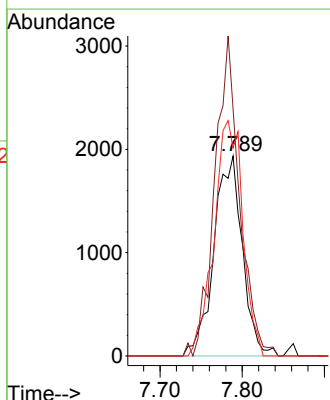
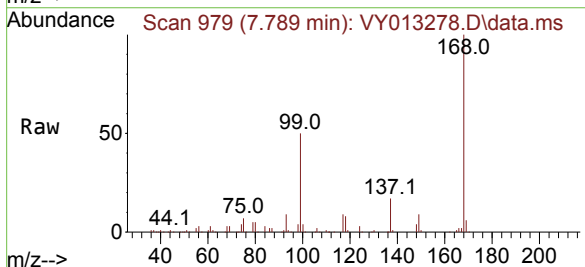
Instrument :
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ClientSampleId :
20230231-10-1

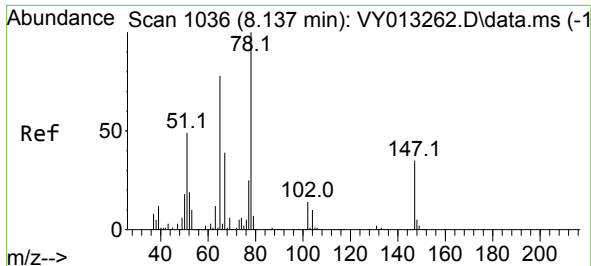
Tgt Ion: 43 Resp: 4607
Ion Ratio Lower Upper
43 100
72 23.1 21.0 31.4



#31
Cyclohexane
Concen: 1.573 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

Tgt Ion: 56 Resp: 4656
Ion Ratio Lower Upper
56 100
69 123.6 25.7 38.5#
84 104.0 64.3 96.5#

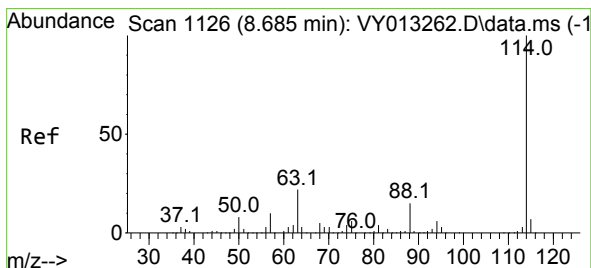
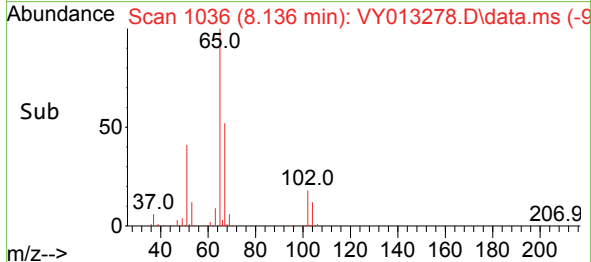
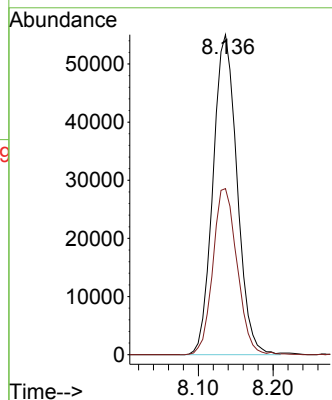
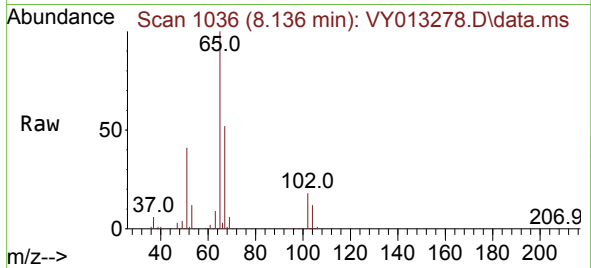




#33
 1,2-Dichloroethane-d4
 Concen: 63.005 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VY013278.D
 Acq: 12 Apr 2023 19:43

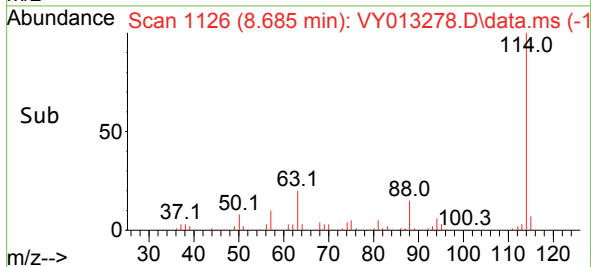
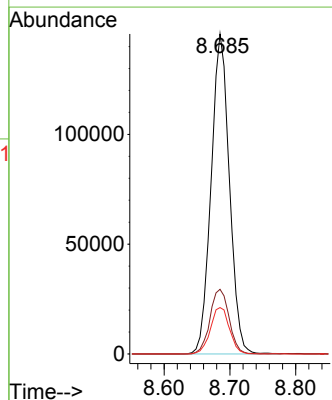
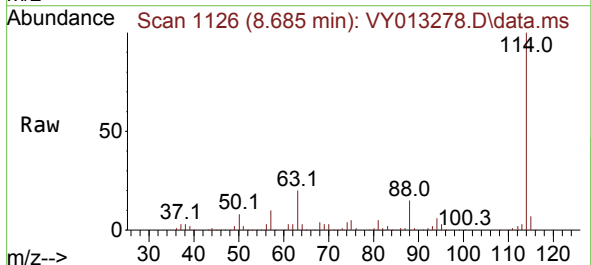
Instrument :
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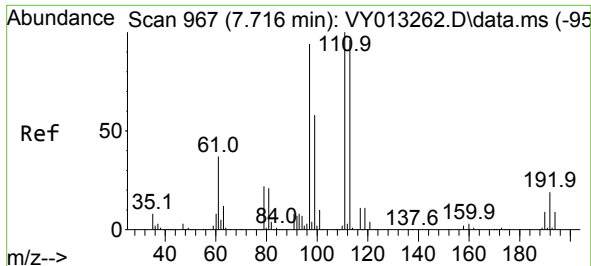
Tgt Ion: 65 Resp: 123303
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY013278.D
 Acq: 12 Apr 2023 19:43

Tgt Ion: 114 Resp: 281870
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 37.4
 88 14.5 0.0 28.6

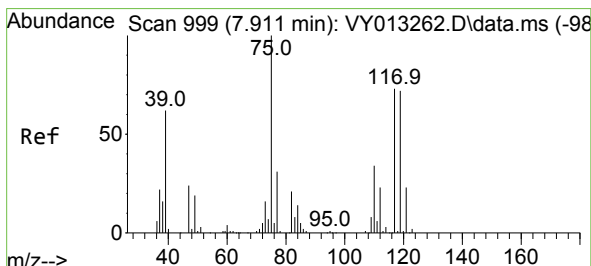
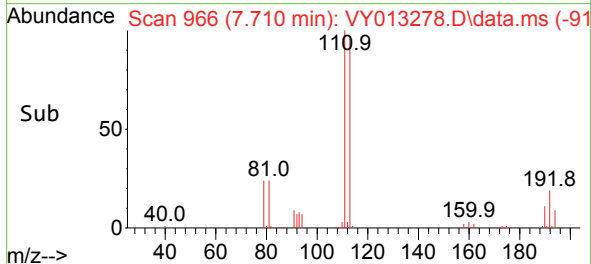
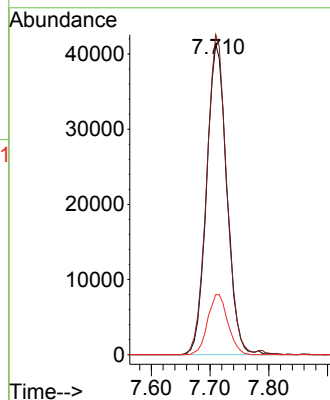
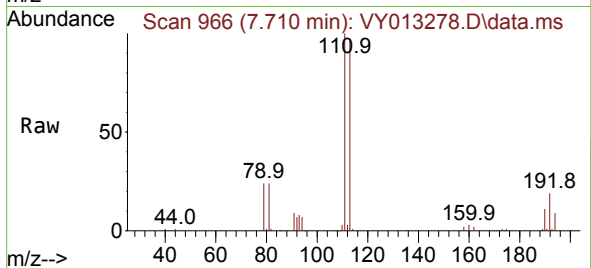




#35
Dibromofluoromethane
Concen: 54.104 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

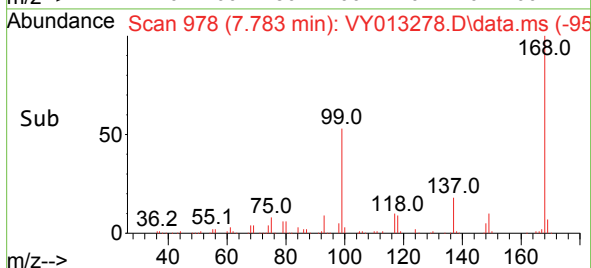
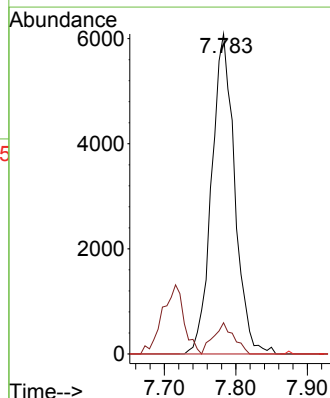
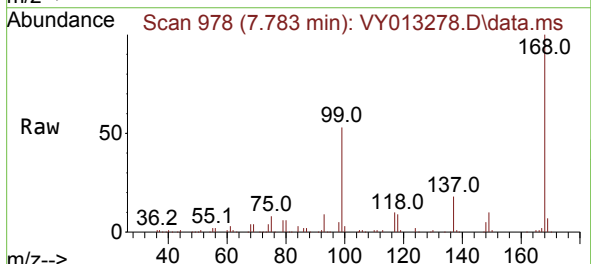
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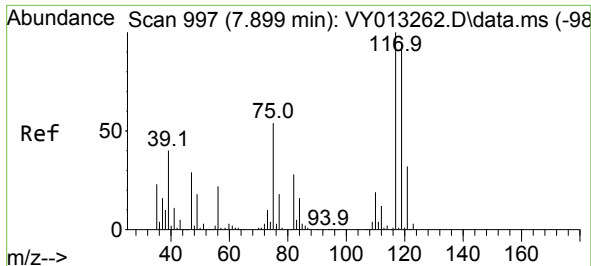
Tgt Ion:113 Resp: 98730
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 19.3 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.928 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

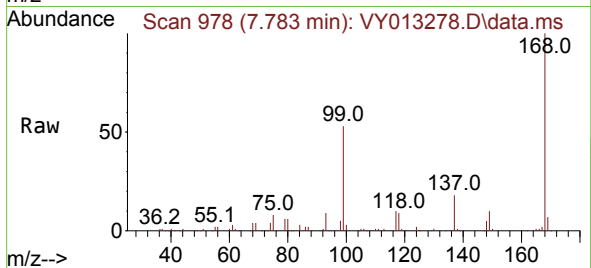
Tgt Ion: 75 Resp: 13622
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.3#
77 0.0 25.0 37.4#



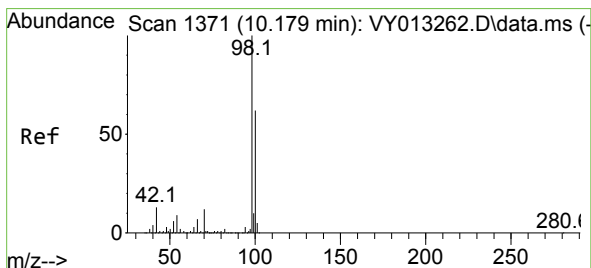
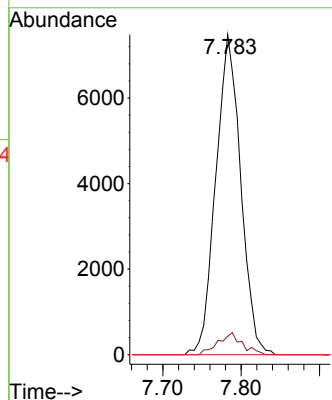
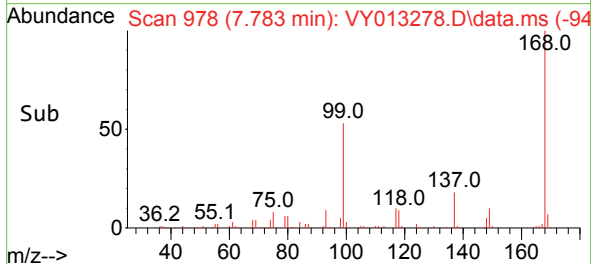


#38
Carbon Tetrachloride
Concen: 5.400 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

Instrument :
MSVOA_Y
ClientSampleId :
20230231-10-1

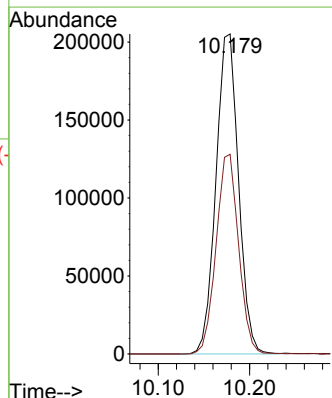
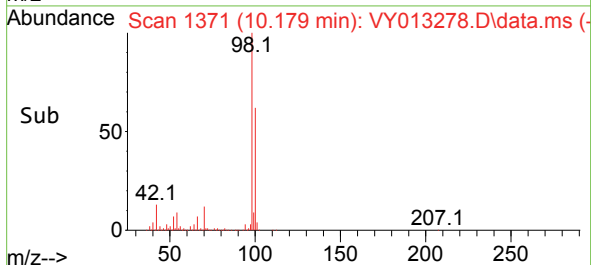
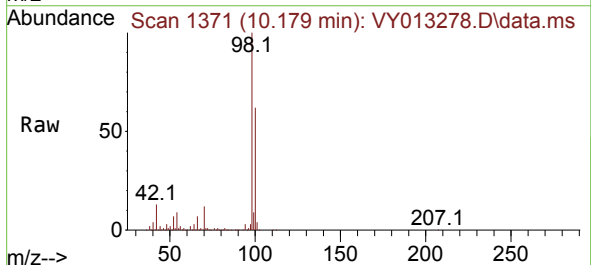


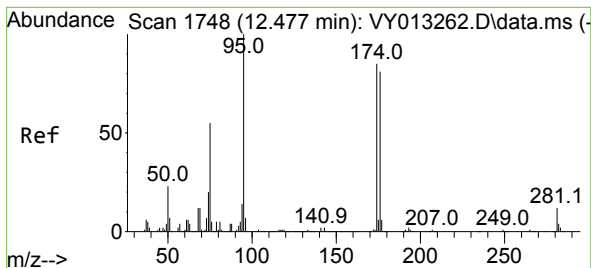
Tgt Ion:117 Resp: 16508
Ion Ratio Lower Upper
117 100
119 5.7 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.851 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

Tgt Ion: 98 Resp: 352184
Ion Ratio Lower Upper
98 100
100 62.3 50.9 76.3

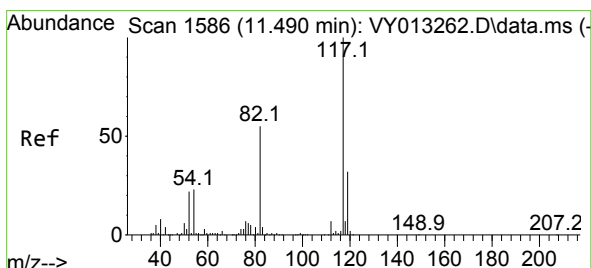
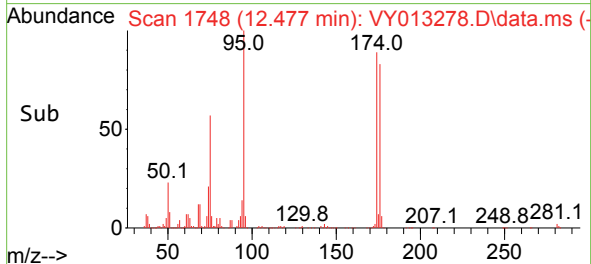
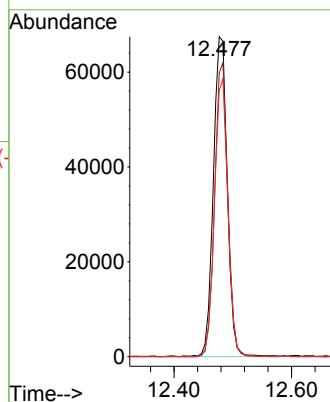
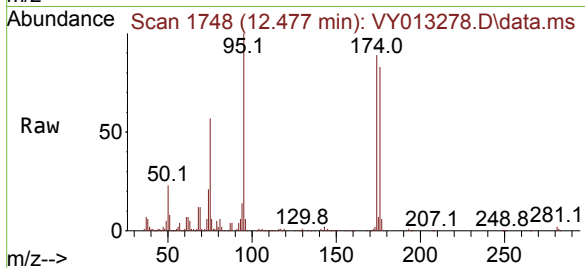




#62
4-Bromofluorobenzene
Concen: 50.257 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

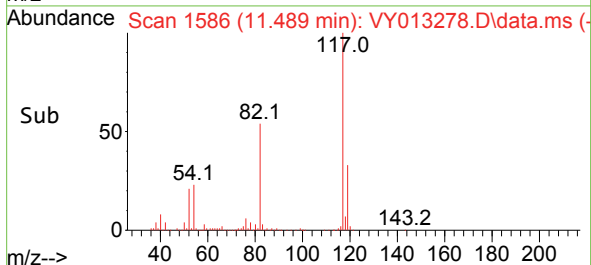
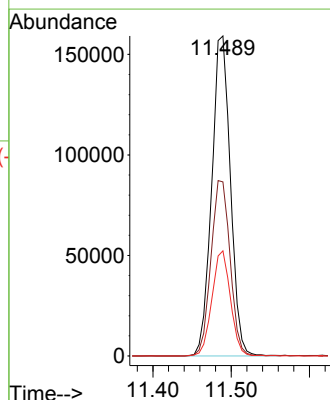
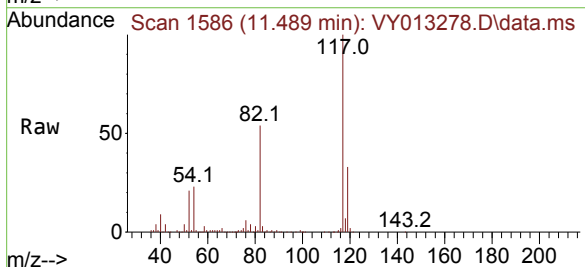
Instrument :
MSVOA_Y
ClientSampleId :
20230231-10-1

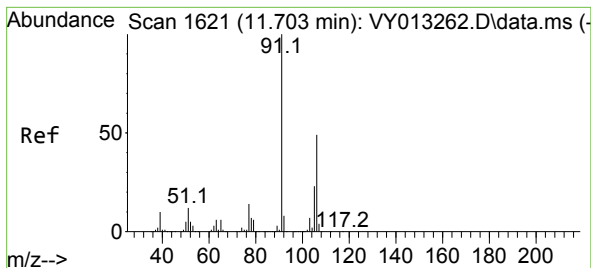
Tgt Ion: 95 Resp: 110912
Ion Ratio Lower Upper
95 100
174 87.4 0.0 176.6
176 83.1 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

Tgt Ion: 117 Resp: 264150
Ion Ratio Lower Upper
117 100
82 54.4 45.4 68.0
119 32.8 25.6 38.4





#68

m/p-Xylenes

Concen: 1.139 ug/l

RT: 11.697 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY013278.D

Acq: 12 Apr 2023 19:43

Instrument :

MSVOA_Y

ClientSampleId :

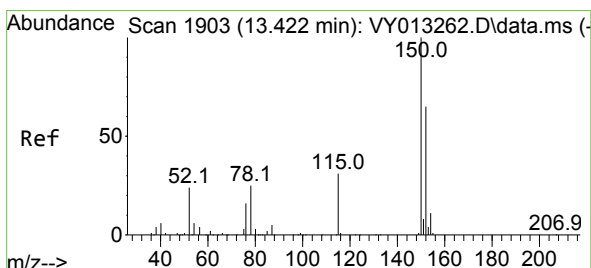
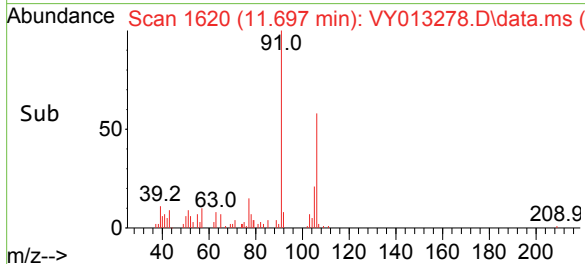
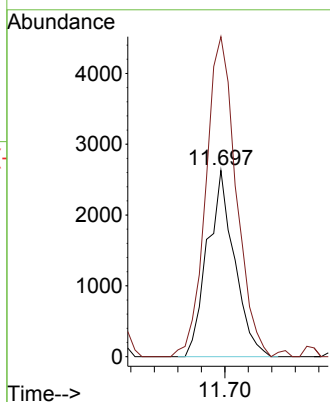
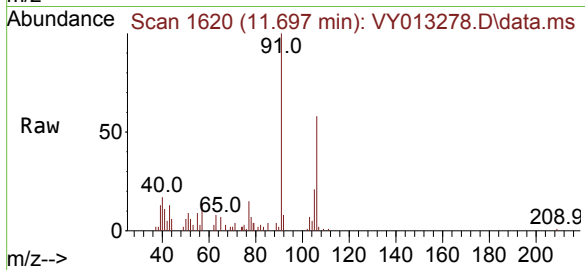
20230231-10-1

Tgt Ion:106 Resp: 4195

Ion Ratio Lower Upper

106 100

91 194.1 159.8 239.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY013278.D

Acq: 12 Apr 2023 19:43

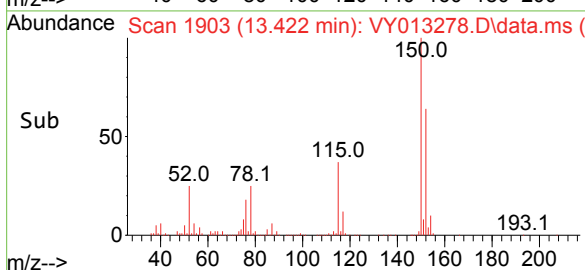
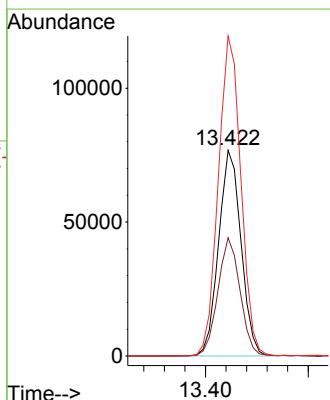
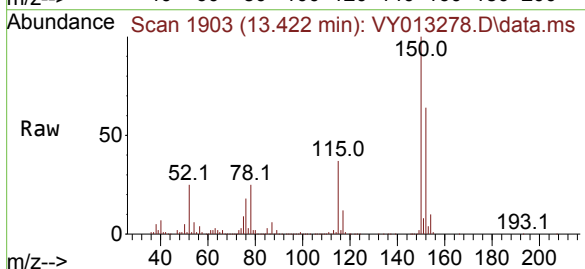
Tgt Ion:152 Resp: 116266

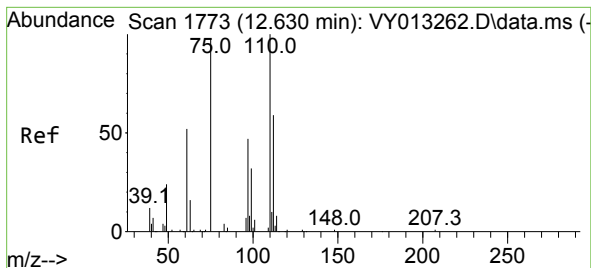
Ion Ratio Lower Upper

152 100

115 57.0 27.1 81.3

150 156.6 0.0 347.8

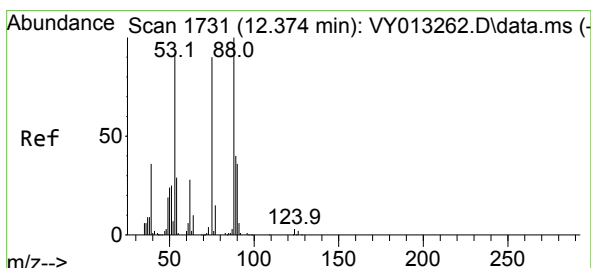
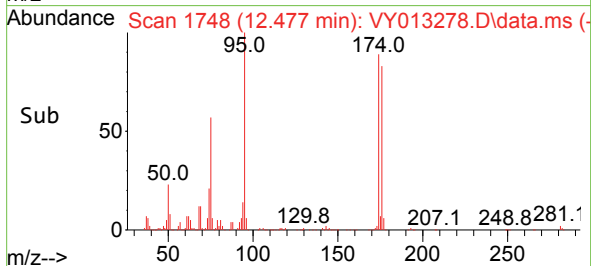
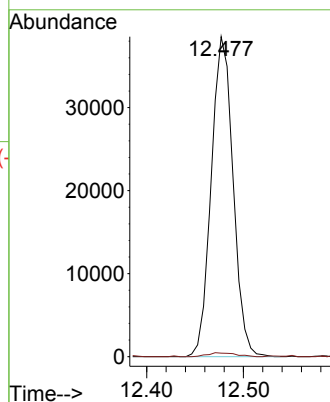
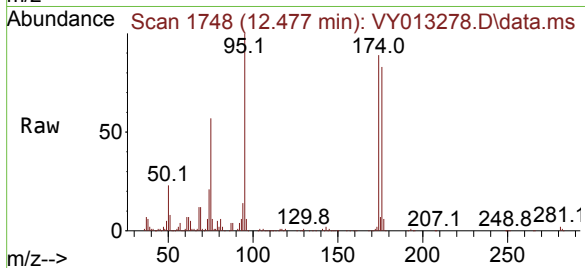




#76
1,2,3-Trichloropropane
Concen: 41.773 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

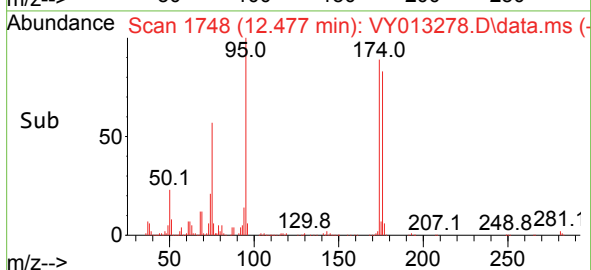
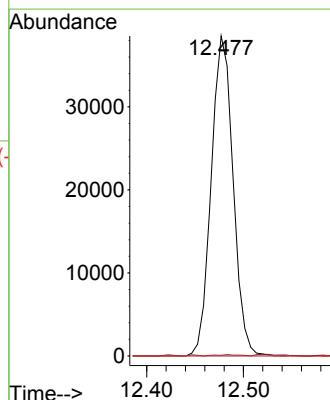
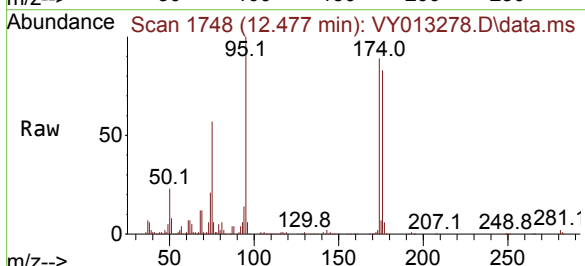
Instrument :
MSVOA_Y
ClientSampleId :
20230231-10-1

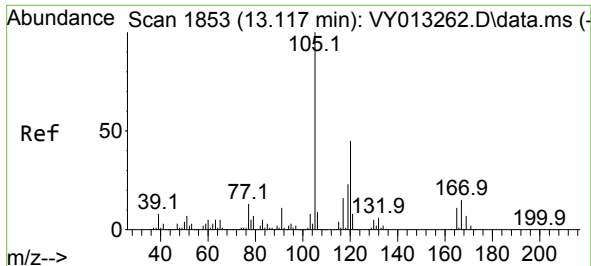
Tgt Ion: 75 Resp: 60519
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.699 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

Tgt Ion: 75 Resp: 60519
Ion Ratio Lower Upper
75 100
53 0.4 73.4 110.0#
89 0.0 36.6 55.0#

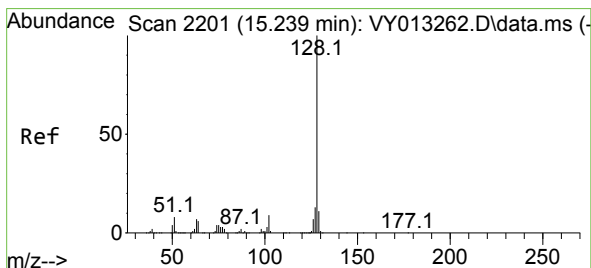
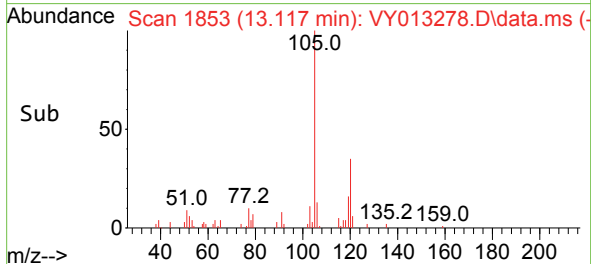
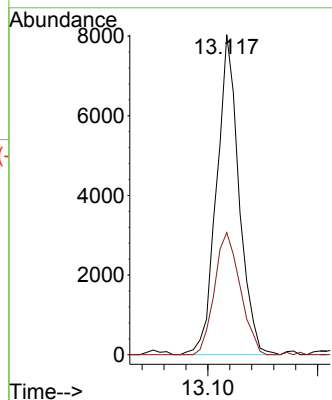
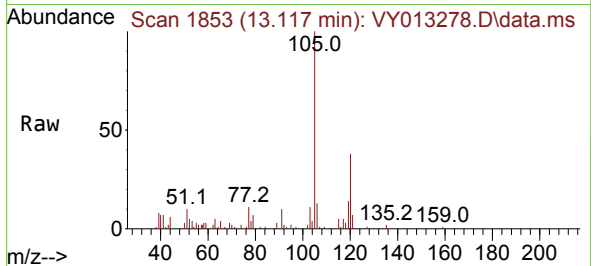




#84
1,2,4-Trimethylbenzene
Concen: 1.756 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

Instrument :
MSVOA_Y
ClientSampleId :
20230231-10-1

Tgt Ion:105 Resp: 11417
Ion Ratio Lower Upper
105 100
120 43.8 23.0 69.0



#95
Naphthalene
Concen: 3.428 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY013278.D
Acq: 12 Apr 2023 19:43

Tgt Ion:128 Resp: 1217
Ion Ratio Lower Upper
128 100
127 16.2 10.3 15.5#
129 0.0 8.6 13.0#

