

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041123\
 Data File : VY013256.D
 Acq On : 11 Apr 2023 20:30
 Operator : KP/MD
 Sample : 02232-02
 Misc : 6.71g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230207-4-1

Quant Time: Apr 12 01:39:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 11 11:59:49 2023
 Response via : Initial Calibration

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

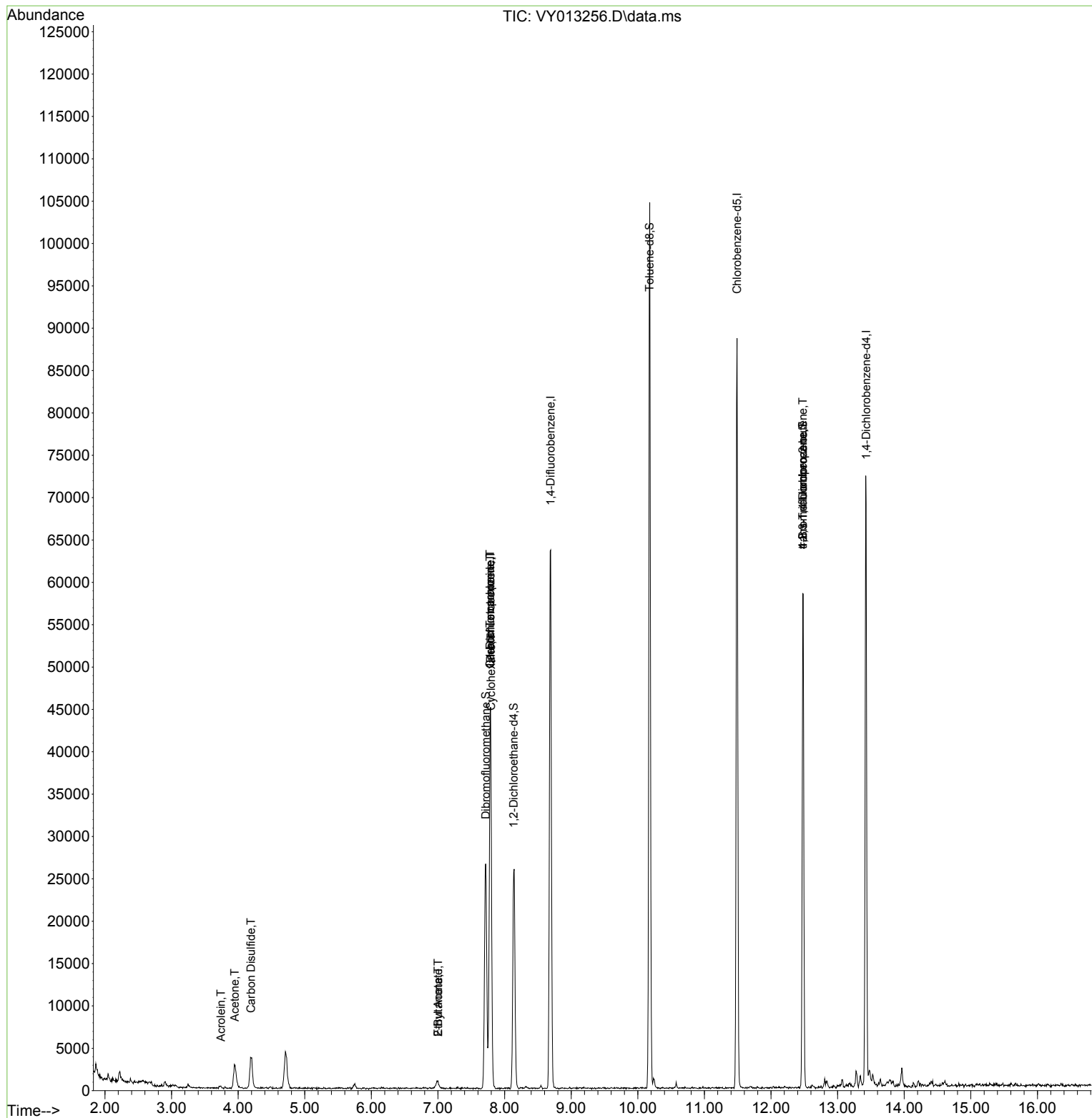
Internal Standards						
1) Pentafluorobenzene	7.789	168	34337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	53298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	45595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	18060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	21345	55.279	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.560%	
35) Dibromofluoromethane	7.716	113	18773	58.925	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.860%	
50) Toluene-d8	10.179	98	65091	58.355	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 116.720%	
62) 4-Bromofluorobenzene	12.477	95	16882	42.384	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	176	Below Cal	#	42
5) Bromomethane	2.662	94	22	Below Cal	#	1
13) Acrolein	3.741	56	264	6.959	ug/l #	14
16) Acetone	3.948	43	5374	34.200	ug/l	91
17) Carbon Disulfide	4.192	76	7664	11.283	ug/l #	95
20) Methylene Chloride	4.710	84	2879	Below Cal	#	89
25) 2-Butanone	7.002	43	1464	1.442	ug/l #	72
31) Cyclohexane	7.795	56	1080	2.200	ug/l #	18
36) 1,1-Dichloropropene	7.783	75	2824	6.445	ug/l #	47
37) Ethyl Acetate	7.002	43	1464	3.610	ug/l #	69
38) Carbon Tetrachloride	7.783	117	3568	6.994	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	9065	41.238	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	9065	85.043	ug/l #	13

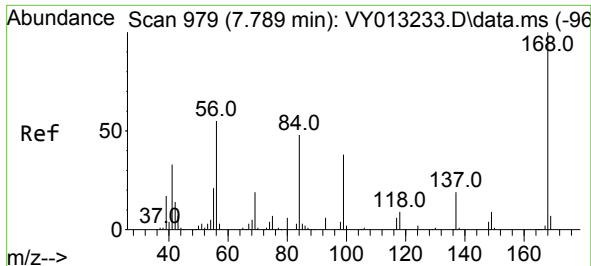
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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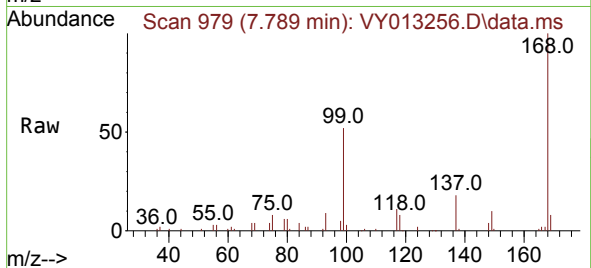
Quant Time: Apr 12 01:39:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041123S.M
Quant Title : SW846 8260
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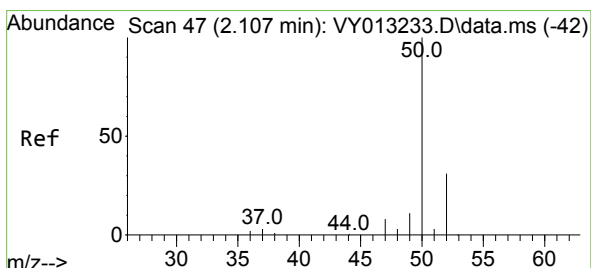
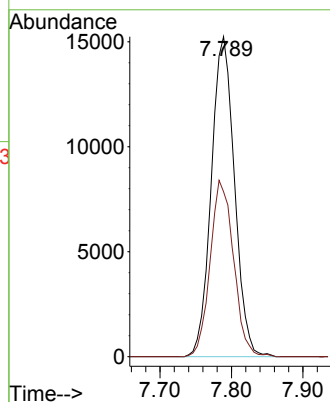
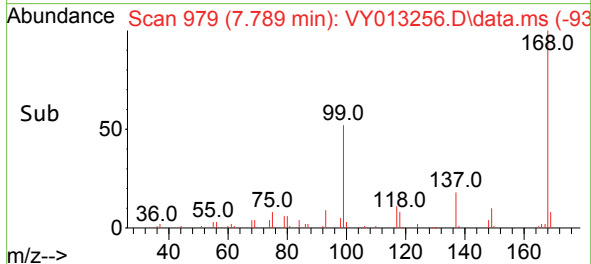


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30

Instrument :
MSVOA_Y
ClientSampleId :
20230207-4-1

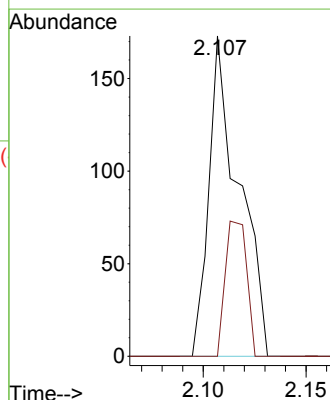
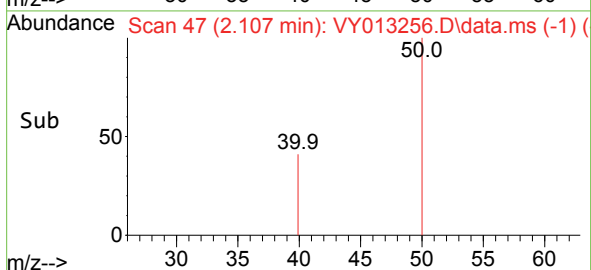
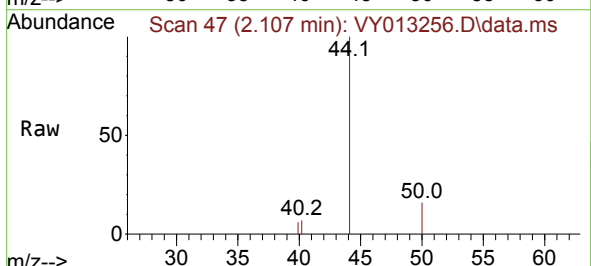


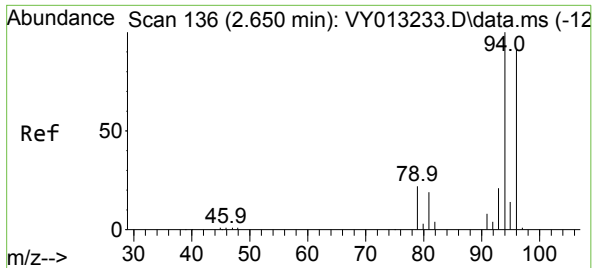
Tgt Ion:168 Resp: 34337
Ion Ratio Lower Upper
168 100
99 51.6 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30

Tgt Ion: 50 Resp: 176
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

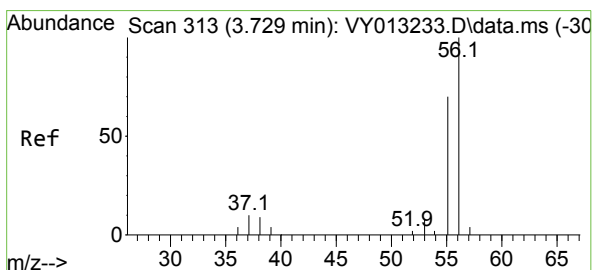
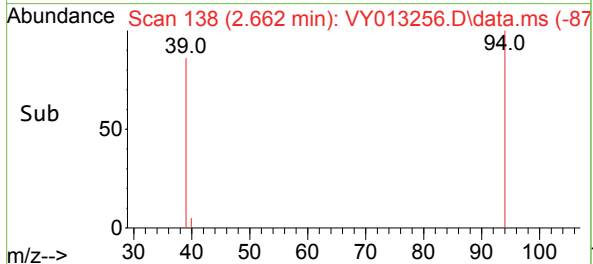
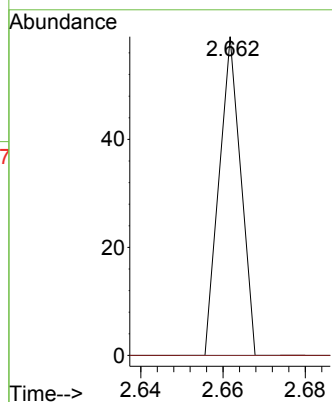
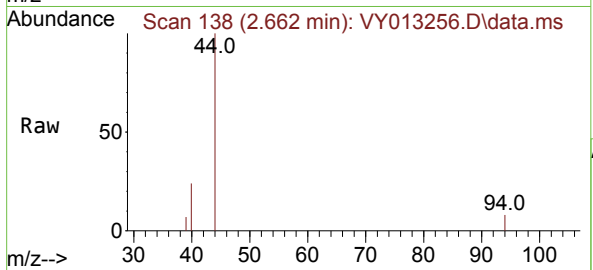




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30

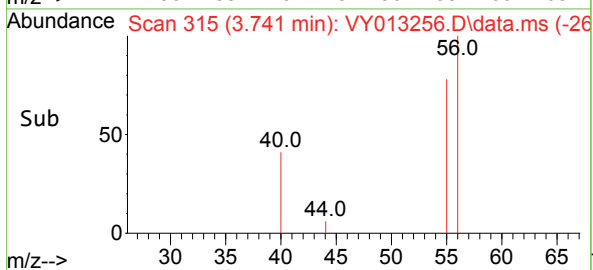
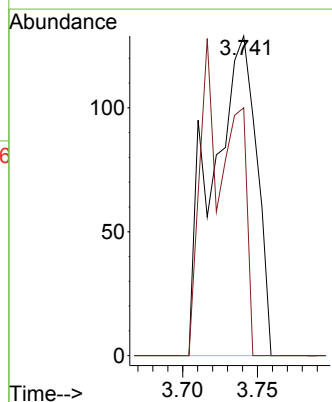
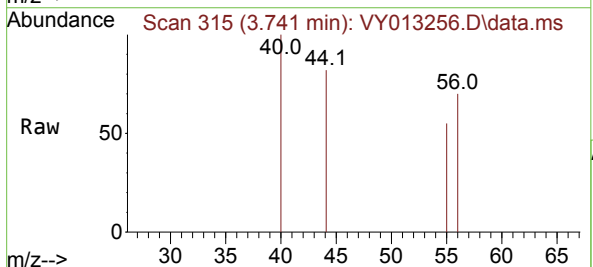
Instrument :
MSVOA_Y
ClientSampleId :
20230207-4-1

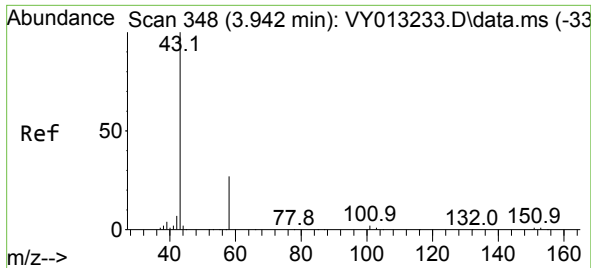
Tgt Ion: 94 Resp: 22
Ion Ratio Lower Upper
94 100
96 0.0 80.3 120.5#



#13
Acrolein
Concen: 6.959 ug/l
RT: 3.741 min Scan# 315
Delta R.T. 0.012 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30

Tgt Ion: 56 Resp: 264
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#

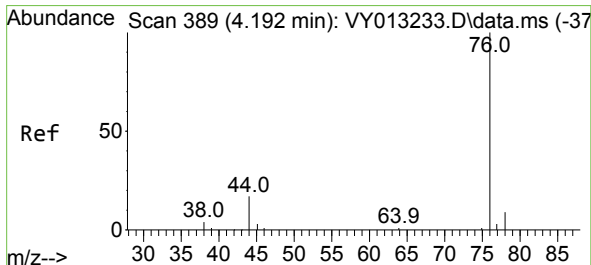
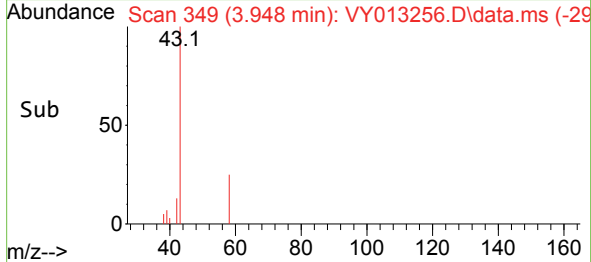
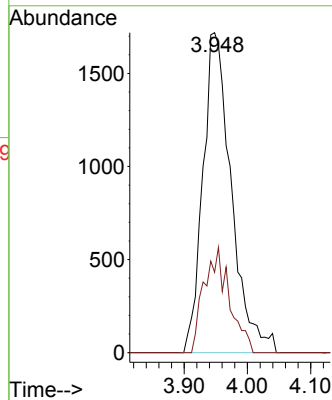
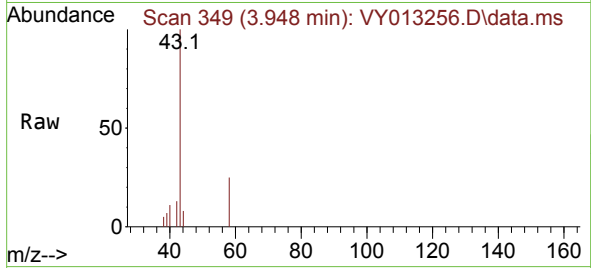




#16
Acetone
Concen: 34.200 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30

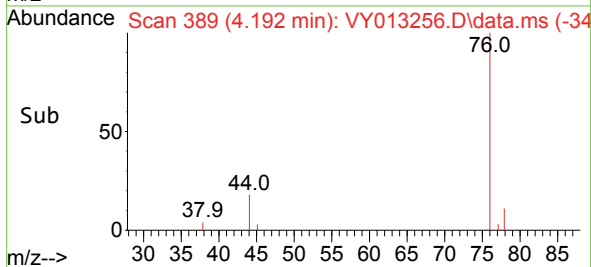
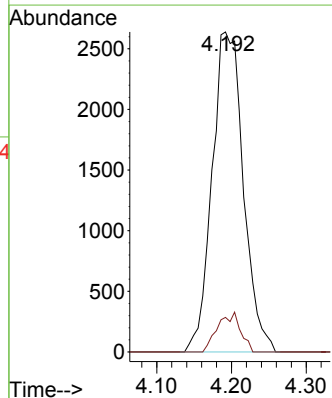
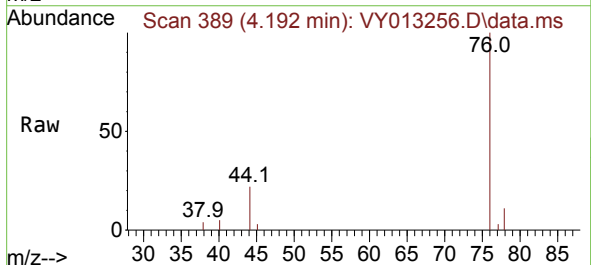
Instrument :
MSVOA_Y
ClientSampleId :
20230207-4-1

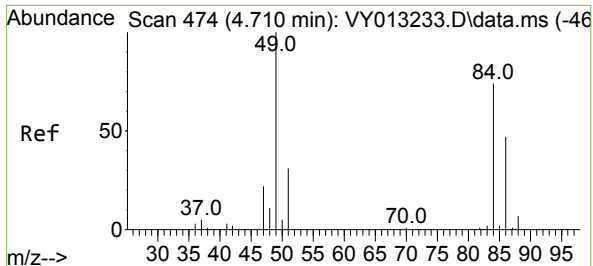
Tgt Ion: 43 Resp: 5374
Ion Ratio Lower Upper
43 100
58 25.1 24.2 36.2



#17
Carbon Disulfide
Concen: 11.283 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30

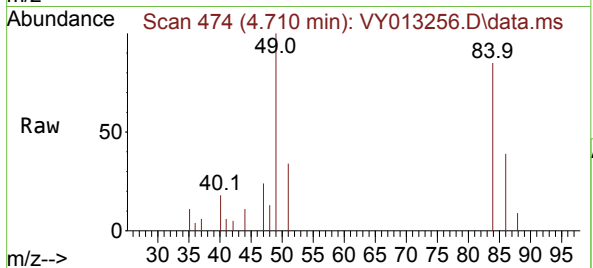
Tgt Ion: 76 Resp: 7664
Ion Ratio Lower Upper
76 100
78 10.8 7.1 10.7#



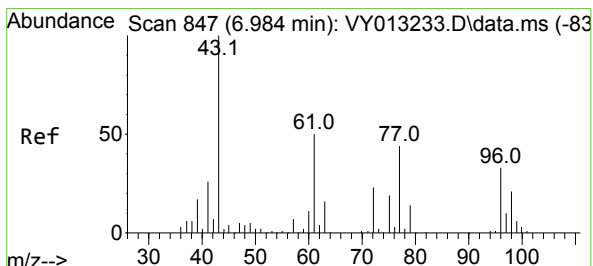
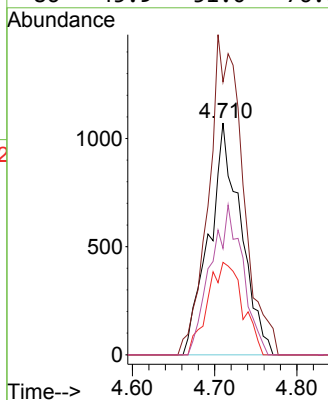
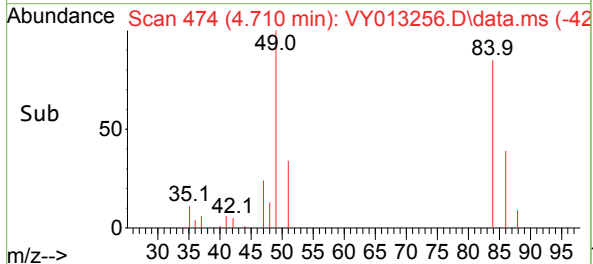


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30

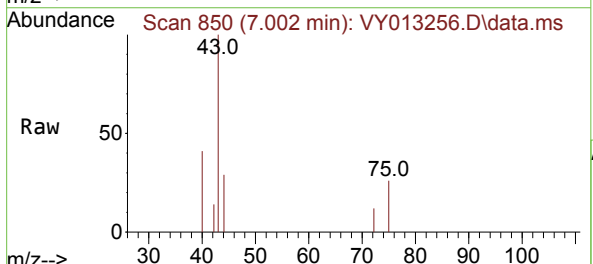
Instrument :
MSVOA_Y
ClientSampleId :
20230207-4-1



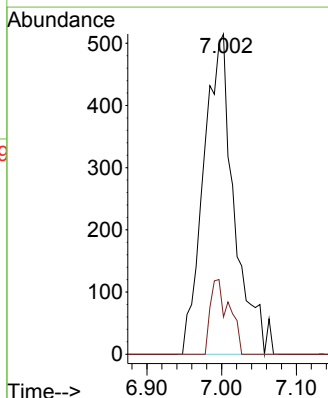
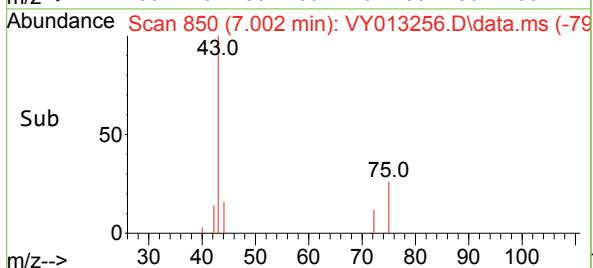
Tgt Ion: 84 Resp: 2879
Ion Ratio Lower Upper
84 100
49 117.7 102.6 154.0
51 39.8 31.9 47.9
86 45.9 51.0 76.6#

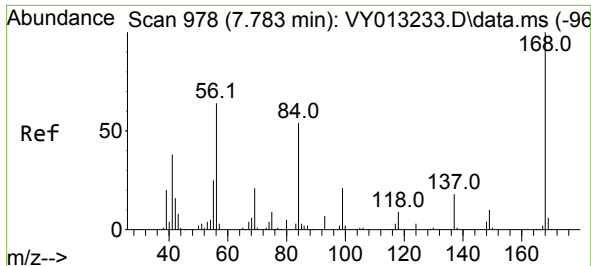


#25
2-Butanone
Concen: 1.442 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.018 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30



Tgt Ion: 43 Resp: 1464
Ion Ratio Lower Upper
43 100
72 11.7 21.0 31.4#

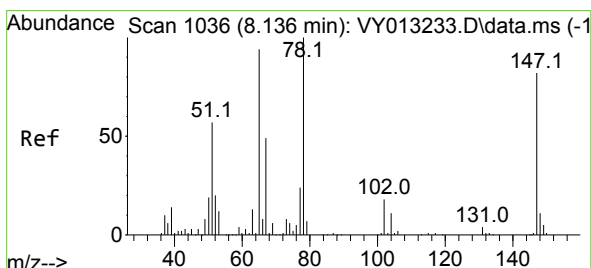
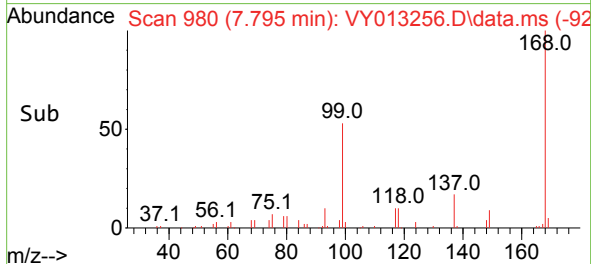
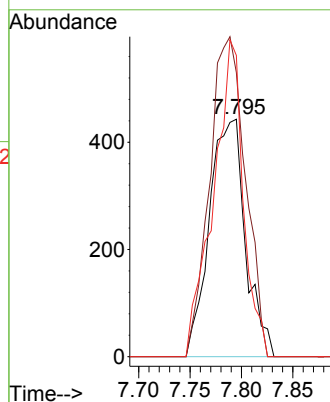
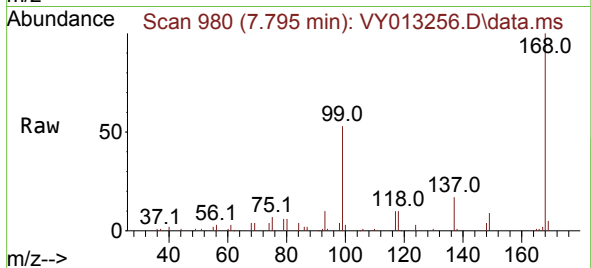




#31
Cyclohexane
Concen: 2.200 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30

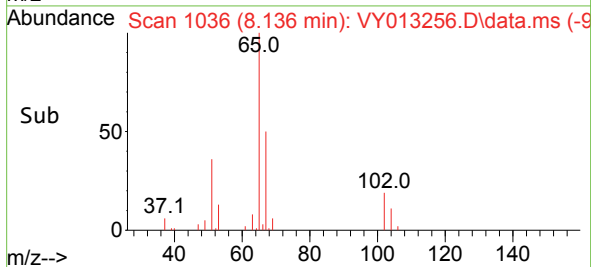
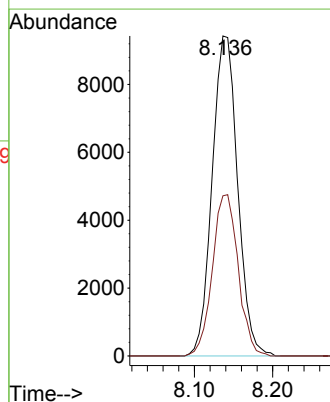
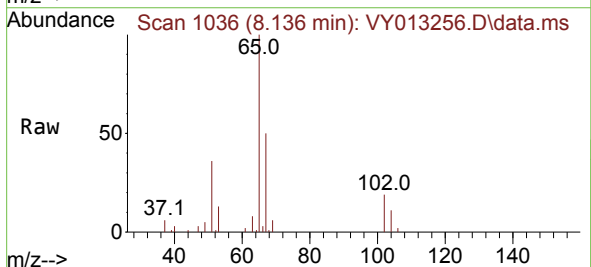
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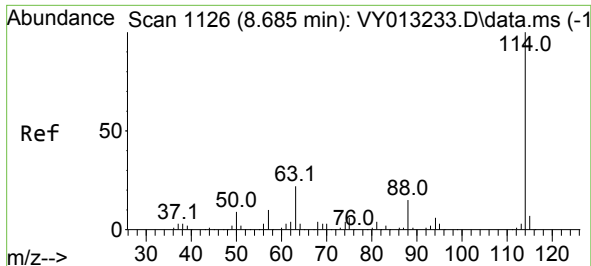
Tgt Ion: 56 Resp: 1080
Ion Ratio Lower Upper
56 100
69 119.6 25.7 38.5#
84 126.9 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 55.279 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30

Tgt Ion: 65 Resp: 21345
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.0

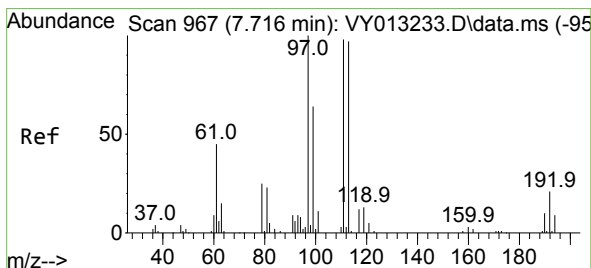
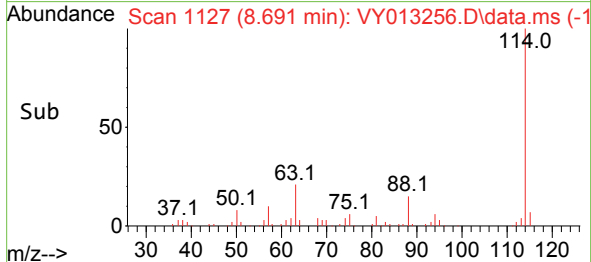
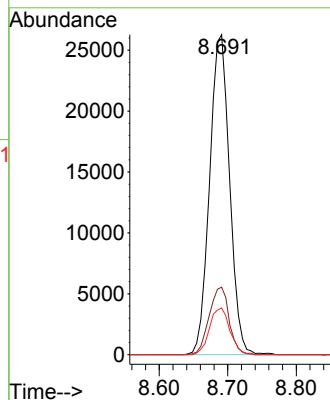
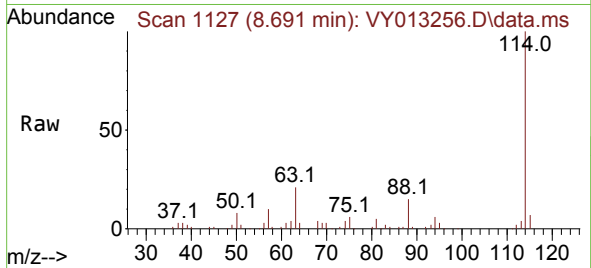




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30

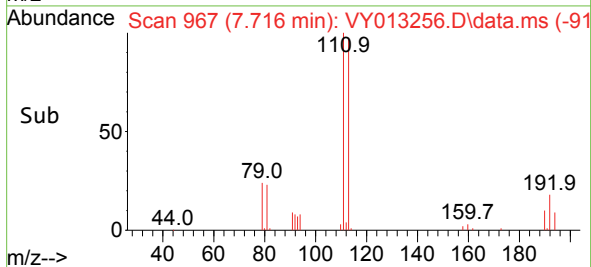
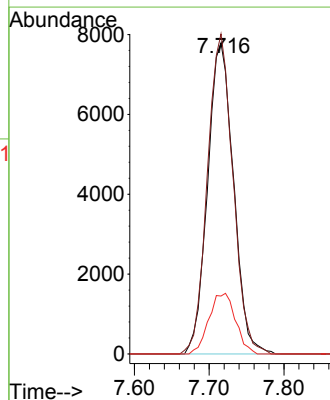
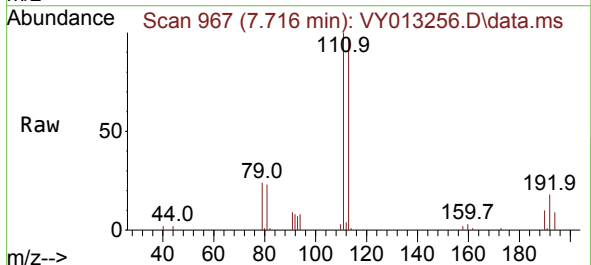
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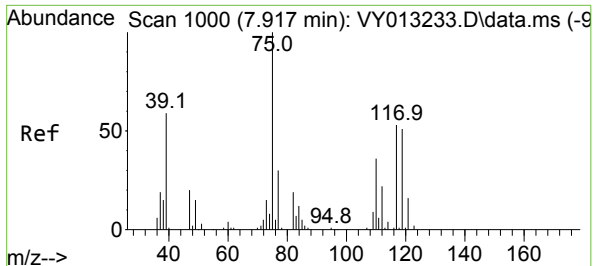
Tgt Ion:114 Resp: 53298
Ion Ratio Lower Upper
114 100
63 21.1 0.0 37.4
88 14.6 0.0 28.6



#35
Dibromofluoromethane
Concen: 58.925 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30

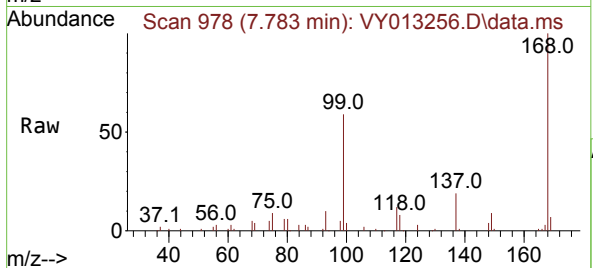
Tgt Ion:113 Resp: 18773
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 20.1 16.8 25.2



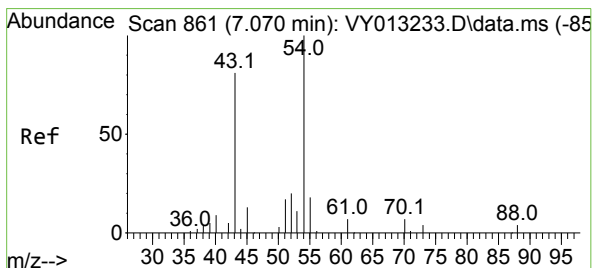
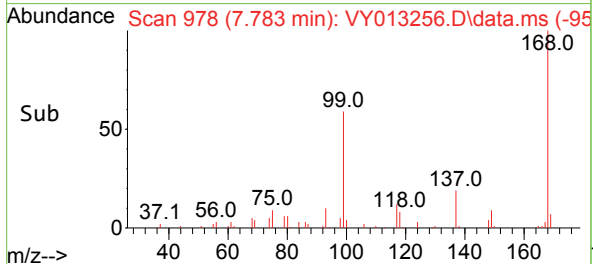
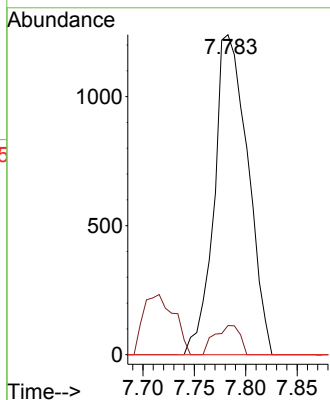


#36
1,1-Dichloropropene
Concen: 6.445 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30

Instrument :
MSVOA_Y
ClientSampleId :
20230207-4-1

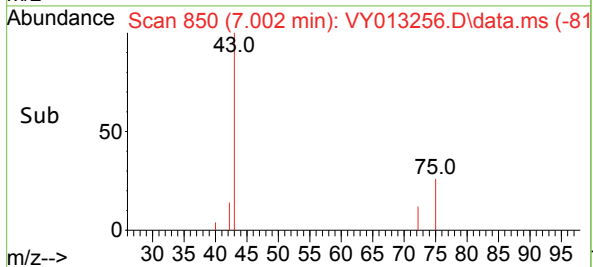
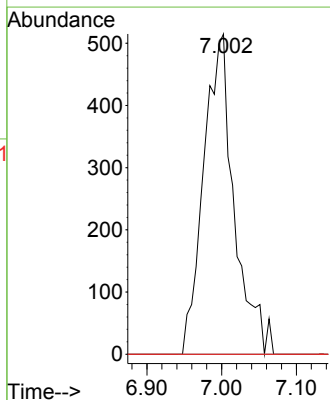
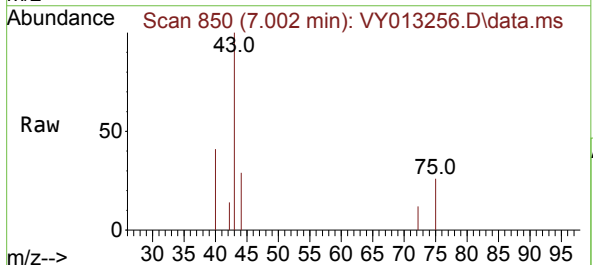


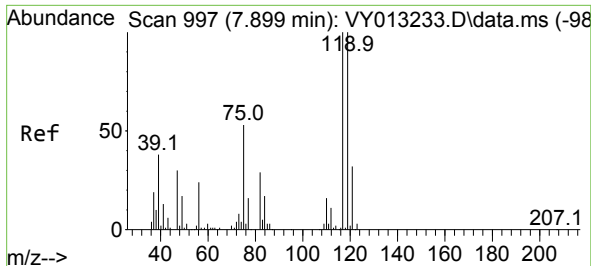
Tgt Ion: 75 Resp: 2824
Ion Ratio Lower Upper
75 100
110 6.9 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 3.610 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.068 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30

Tgt Ion: 43 Resp: 1464
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.8 11.8#

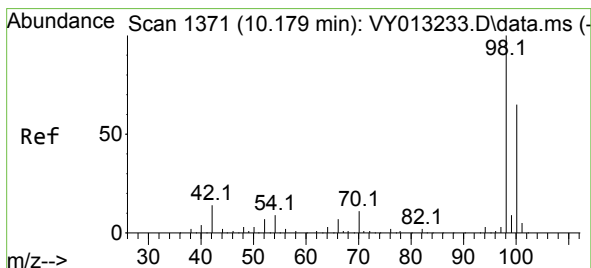
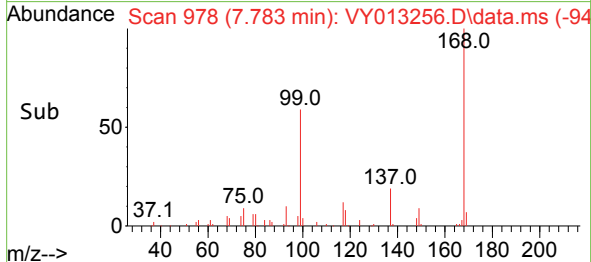
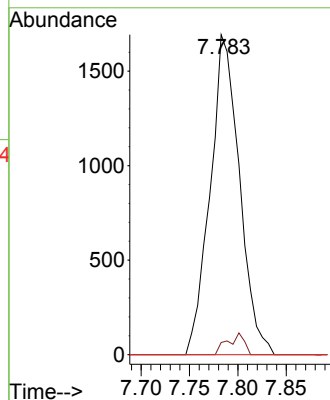
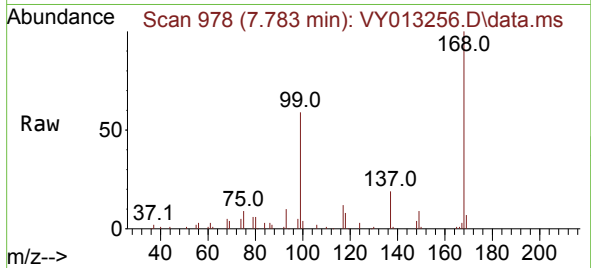




#38
Carbon Tetrachloride
Concen: 6.994 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30

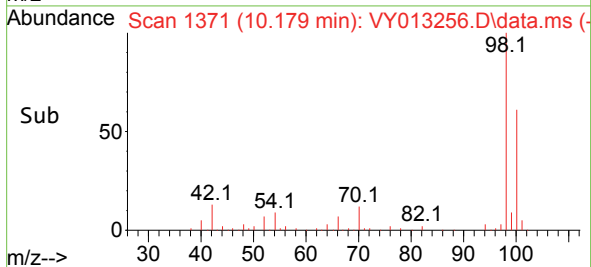
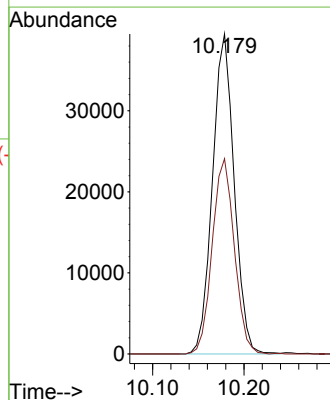
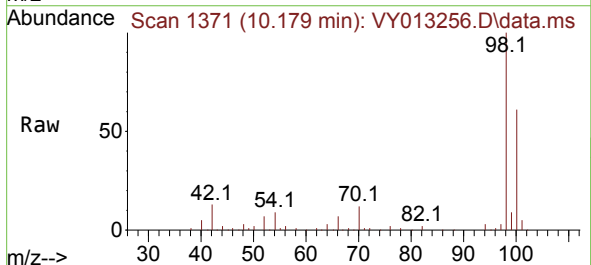
Instrument :
MSVOA_Y
ClientSampleId :
20230207-4-1

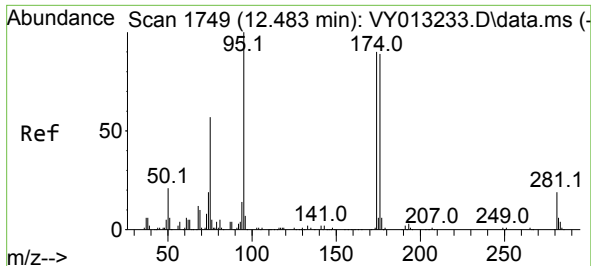
Tgt Ion:117 Resp: 3568
Ion Ratio Lower Upper
117 100
119 3.8 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 58.355 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30

Tgt Ion: 98 Resp: 65091
Ion Ratio Lower Upper
98 100
100 62.2 50.9 76.3

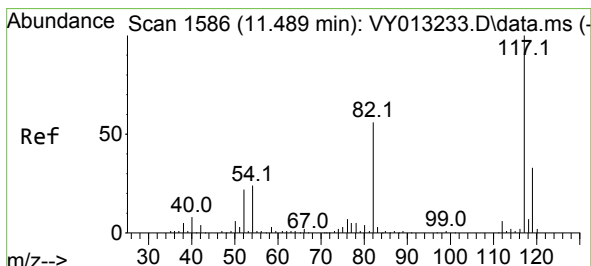
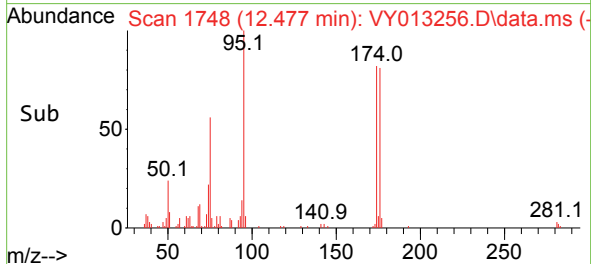
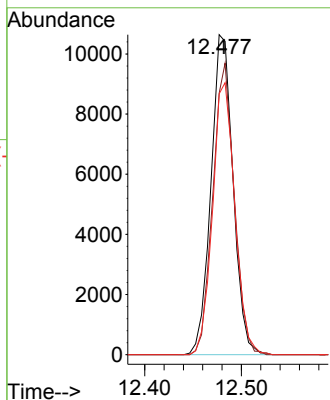
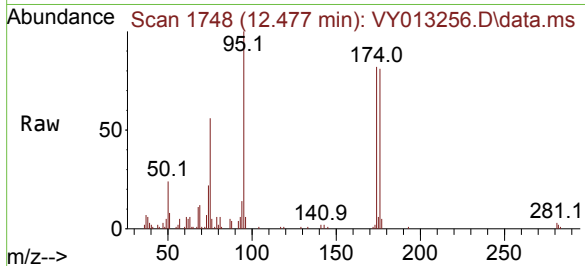




#62
4-Bromofluorobenzene
Concen: 42.384 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30

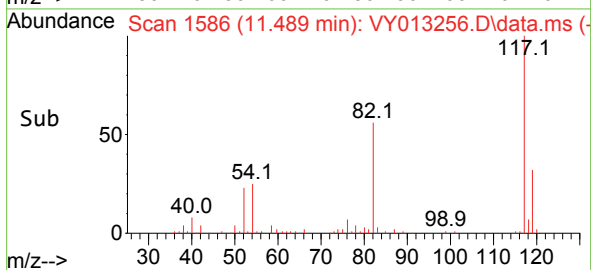
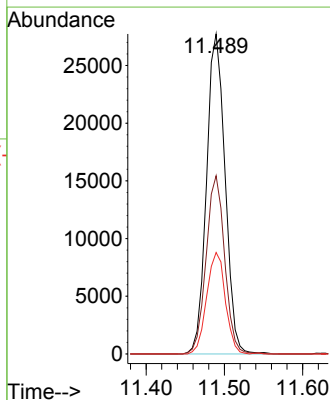
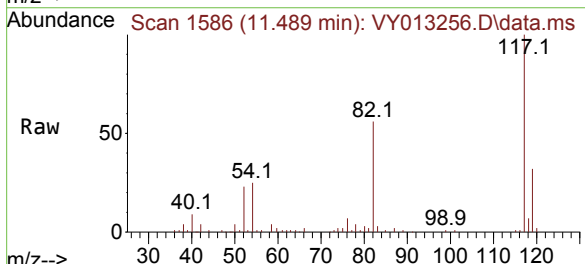
Instrument :
MSVOA_Y
ClientSampleId :
20230207-4-1

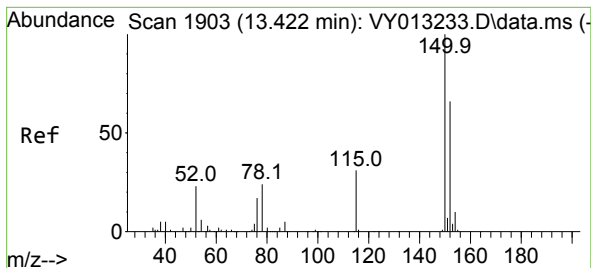
Tgt Ion: 95 Resp: 16882
Ion Ratio Lower Upper
95 100
174 88.4 0.0 176.6
176 85.7 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013256.D
Acq: 11 Apr 2023 20:30

Tgt Ion: 117 Resp: 45595
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.0
119 31.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY013256.D

Acq: 11 Apr 2023 20:30

Instrument :

MSVOA_Y

ClientSampleId :

20230207-4-1

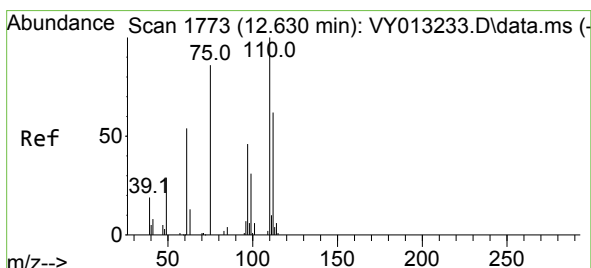
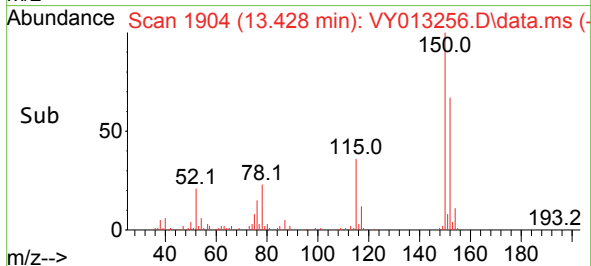
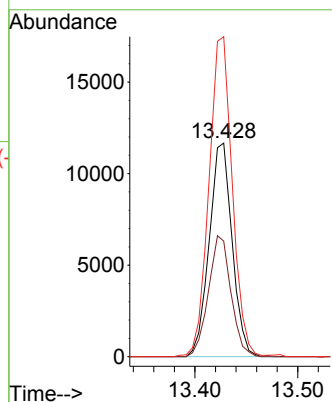
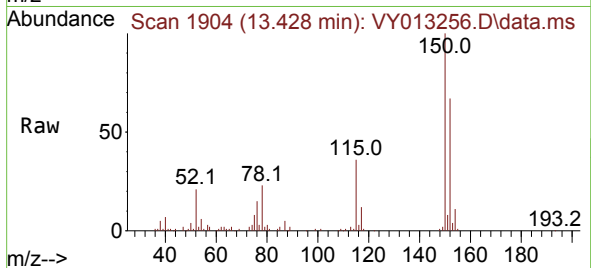
Tgt Ion:152 Resp: 18060

Ion Ratio Lower Upper

152 100

115 55.7 27.1 81.3

150 152.2 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 41.238 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY013256.D

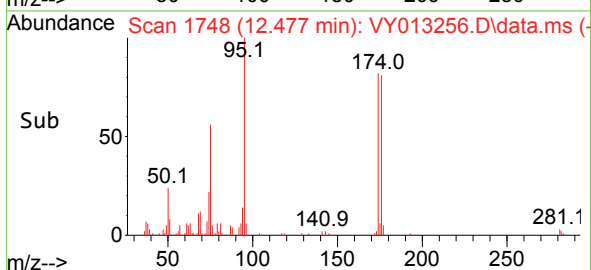
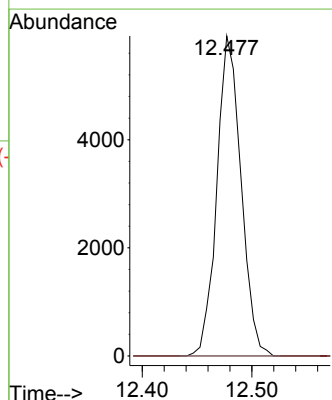
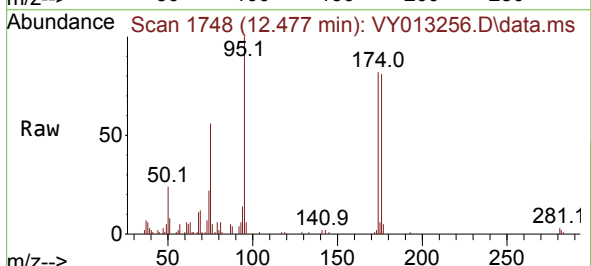
Acq: 11 Apr 2023 20:30

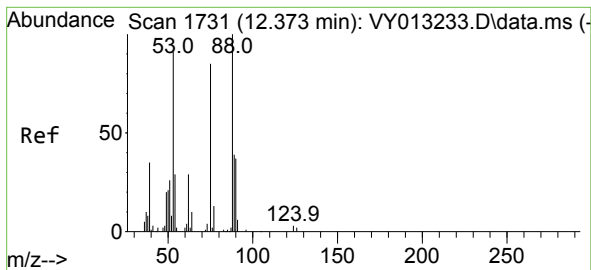
Tgt Ion: 75 Resp: 9065

Ion Ratio Lower Upper

75 100

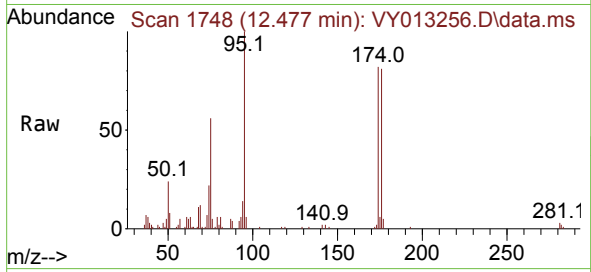
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.043 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013256.D
 Acq: 11 Apr 2023 20:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230207-4-1



Tgt Ion: 75 Resp: 9065
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.4 110.0#
 89 0.0 36.6 55.0#

