

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070623\
 Data File : VY014584.D
 Acq On : 06 Jul 2023 13:31
 Operator : KP/MD
 Sample : 03522-02
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Jul 07 06:12:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

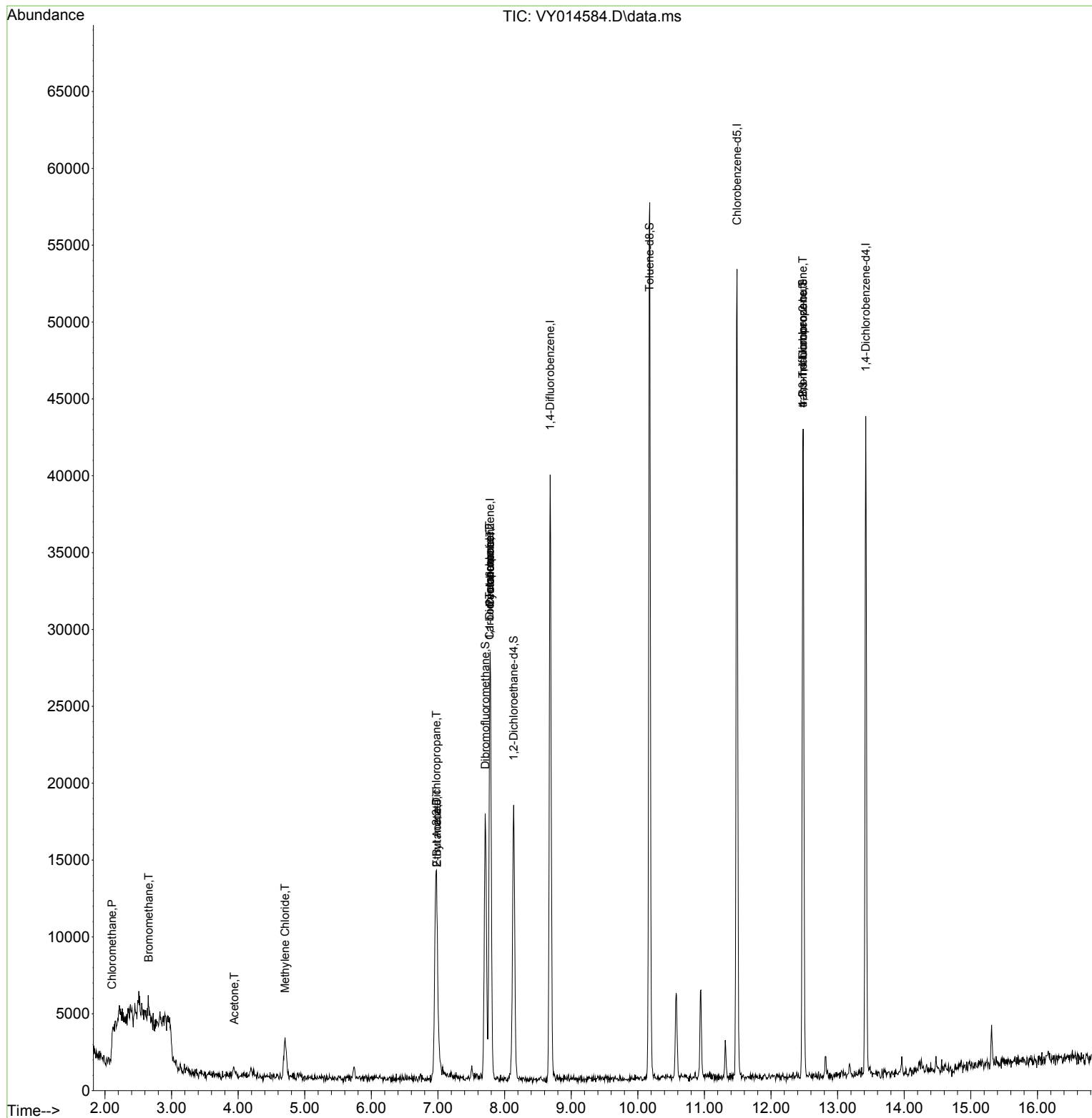
Internal Standards						
1) Pentafluorobenzene	7.783	168	23821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	33911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	30996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	11920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	14062	59.341	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.680%			
35) Dibromofluoromethane	7.710	113	12149	58.178	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.360%			
50) Toluene-d8	10.179	98	41153	49.851	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.700%			
62) 4-Bromofluorobenzene	12.477	95	11325	39.508	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 79.020%			
Target Compounds			Qvalue			
3) Chloromethane	2.107	50	402	1.457	ug/l	99
5) Bromomethane	2.656	94	517	2.097	ug/l #	63
11) Tert butyl alcohol	4.954	59	116	Below Cal	#	89
16) Acetone	3.942	43	675	9.121	ug/l	99
20) Methylene Chloride	4.704	84	2098	2.983	ug/l #	89
25) 2-Butanone	6.984	43	489	4.463	ug/l #	49
26) 2,2-Dichloropropane	6.978	77	1112	2.995	ug/l #	54
31) Cyclohexane	7.783	56	428	1.151	ug/l #	18
36) 1,1-Dichloropropene	7.777	75	1916	5.991	ug/l #	44
37) Ethyl Acetate	6.984	43	489	2.230	ug/l #	1
38) Carbon Tetrachloride	7.777	117	2217	6.641	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	5556	39.721	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	5556	77.313	ug/l #	10

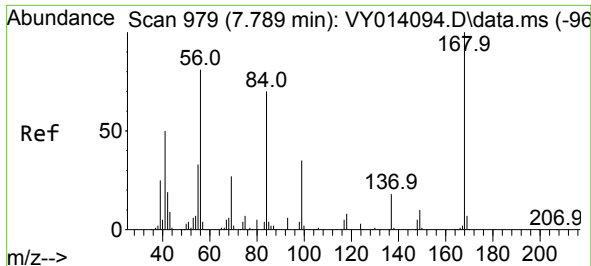
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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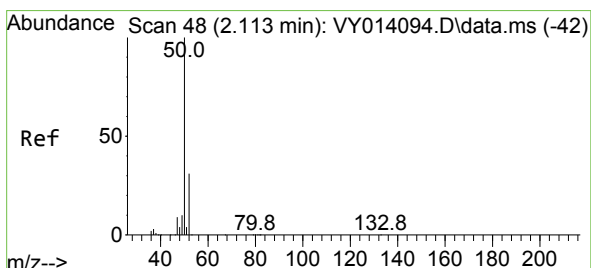
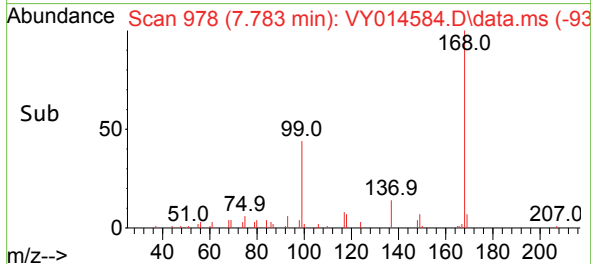
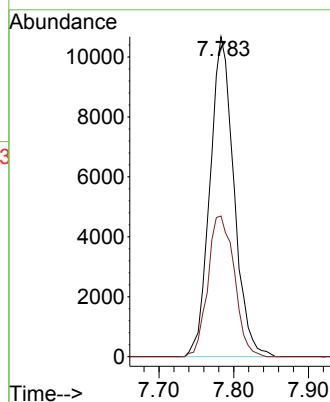
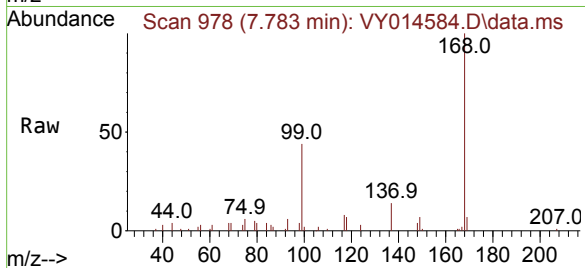




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

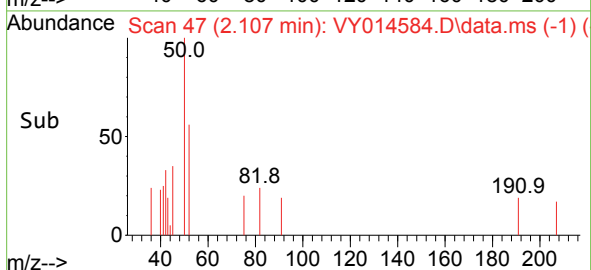
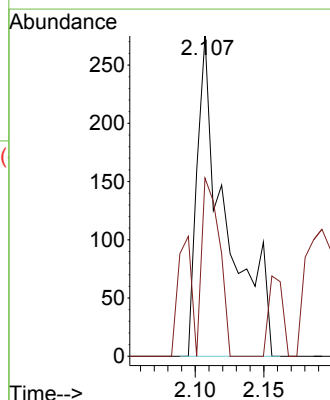
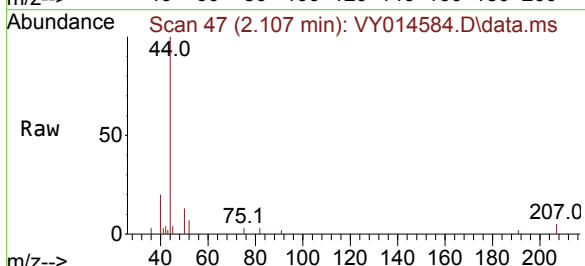
Instrument :
MSVOA_Y
ClientSampleId :
VOC

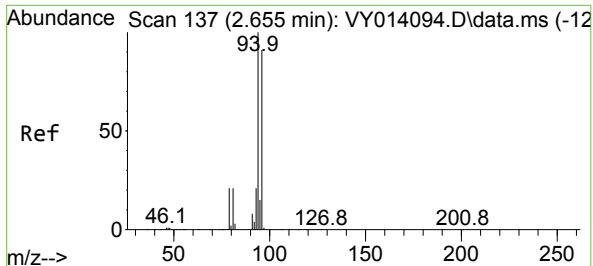
Tgt Ion:168 Resp: 23821
Ion Ratio Lower Upper
168 100
99 44.0 43.4 65.0



#3
Chloromethane
Concen: 1.457 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

Tgt Ion: 50 Resp: 402
Ion Ratio Lower Upper
50 100
52 32.4 25.4 38.2

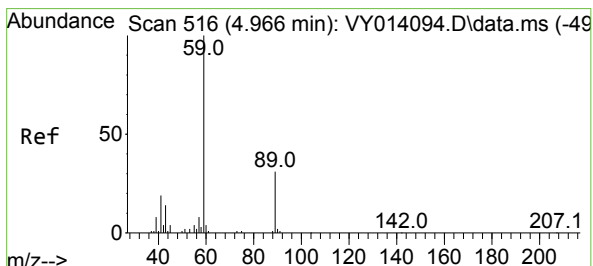
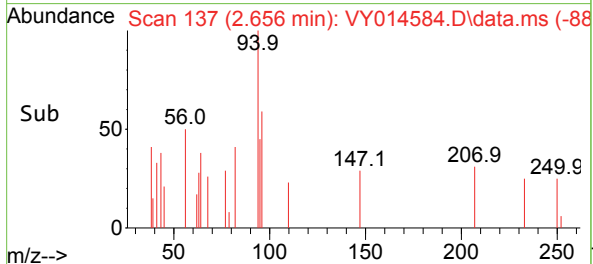
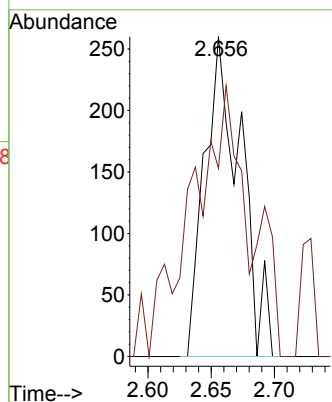
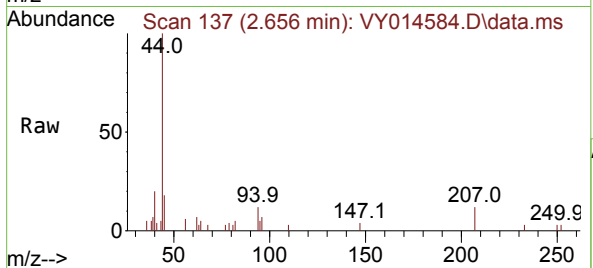




#5
Bromomethane
Concen: 2.097 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

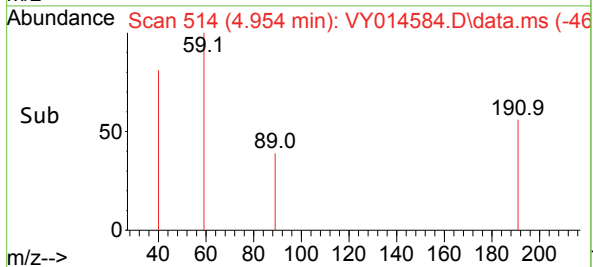
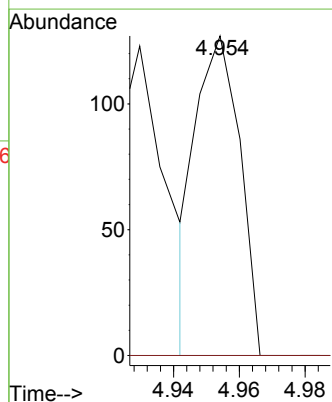
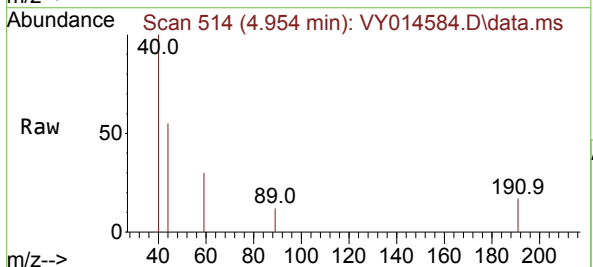
Instrument :
MSVOA_Y
ClientSampleId :
VOC

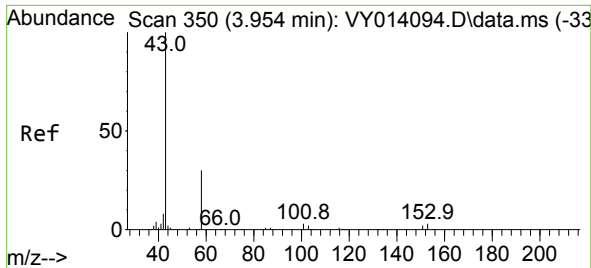
Tgt Ion: 94 Resp: 517
Ion Ratio Lower Upper
94 100
96 58.8 75.8 113.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

Tgt Ion: 59 Resp: 116
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

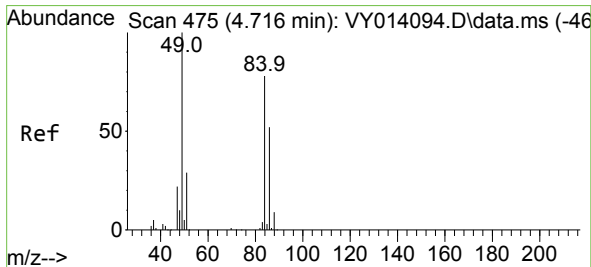
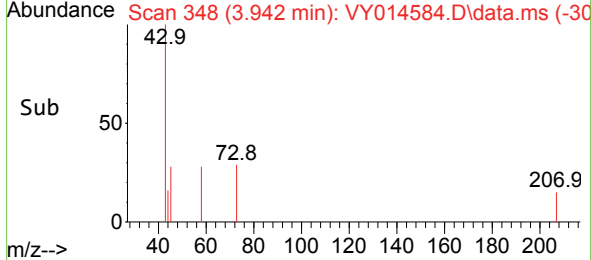
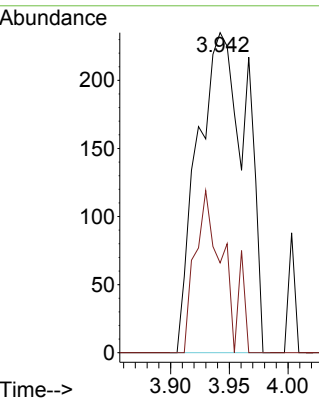
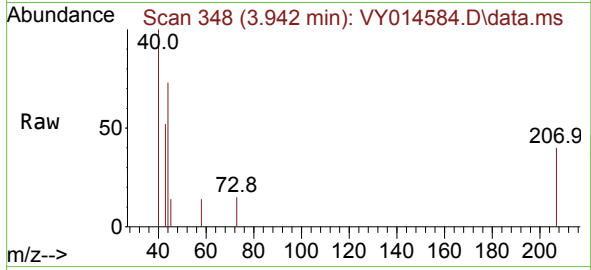




#16
Acetone
Concen: 9.121 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

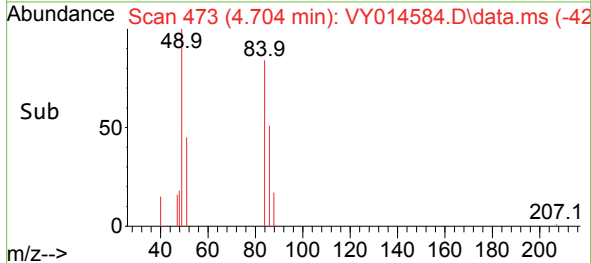
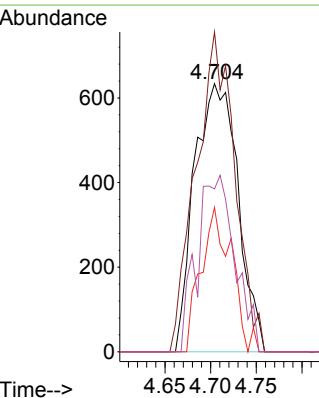
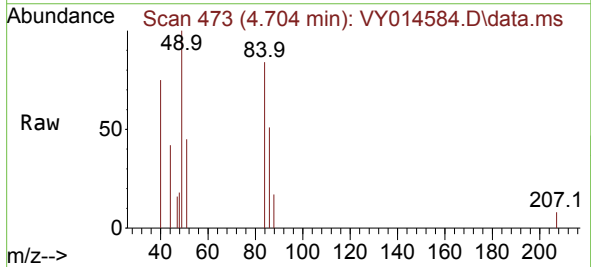
Instrument :
MSVOA_Y
ClientSampleId :
VOC

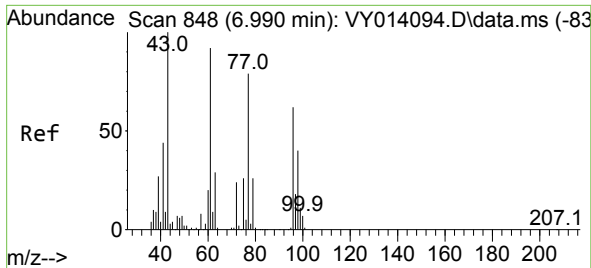
Tgt Ion: 43 Resp: 675
Ion Ratio Lower Upper
43 100
58 28.1 22.7 34.1



#20
Methylene Chloride
Concen: 2.983 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

Tgt Ion: 84 Resp: 2098
Ion Ratio Lower Upper
84 100
49 119.2 106.9 160.3
51 53.8 33.2 49.8#
86 60.7 51.0 76.6

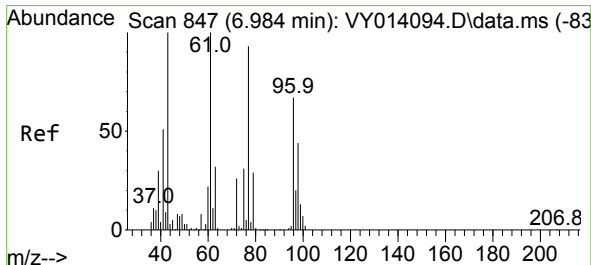
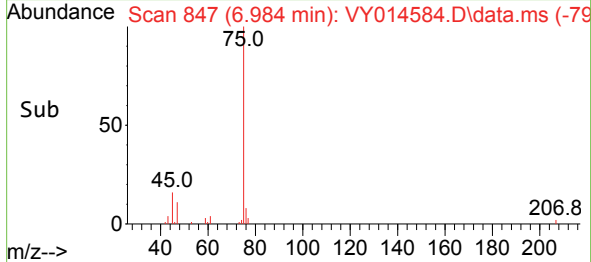
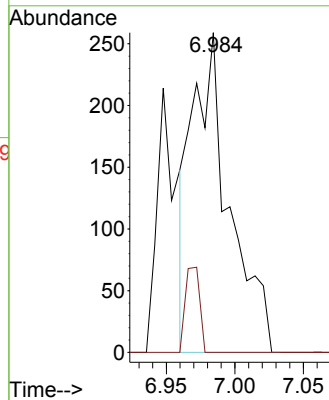
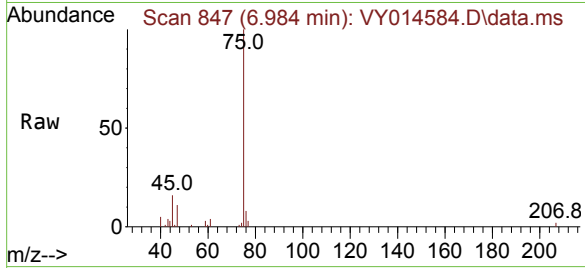




#25
2-Butanone
Concen: 4.463 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

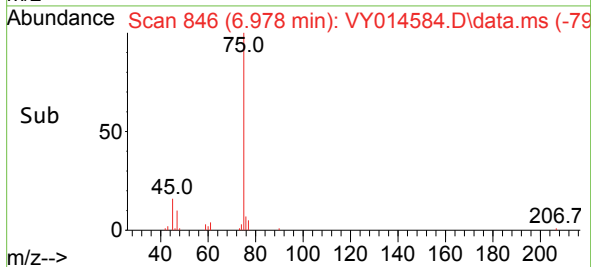
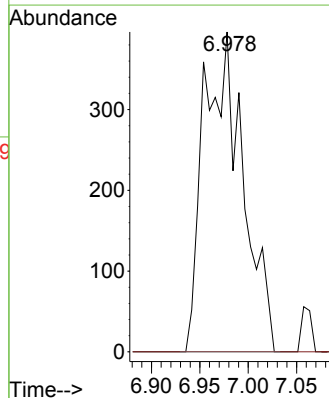
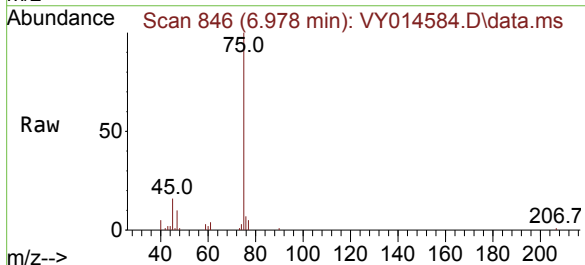
Instrument :
MSVOA_Y
ClientSampleId :
VOC

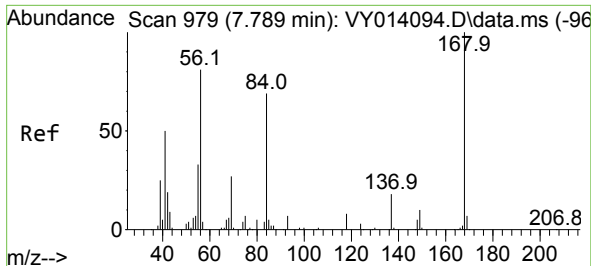
Tgt Ion: 43 Resp: 489
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.995 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

Tgt Ion: 77 Resp: 1112
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

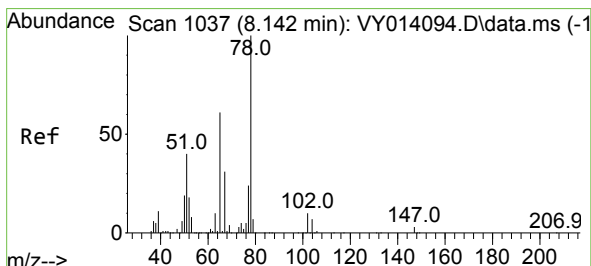
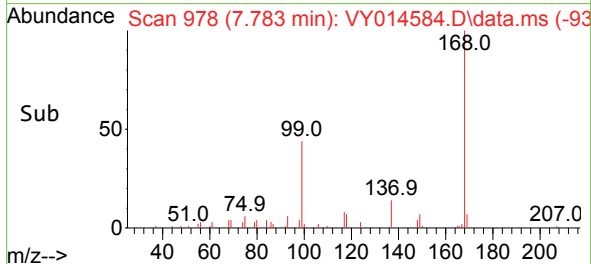
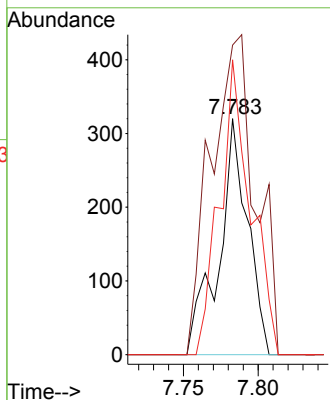
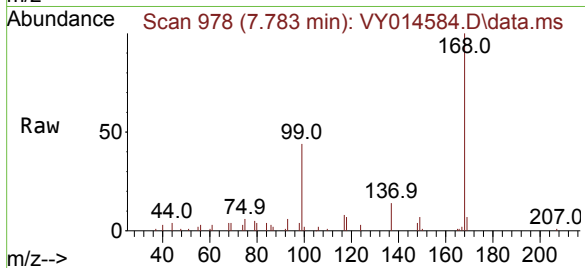




#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

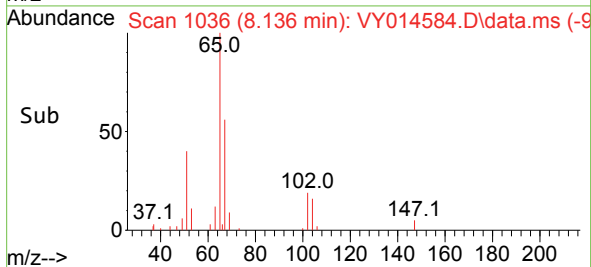
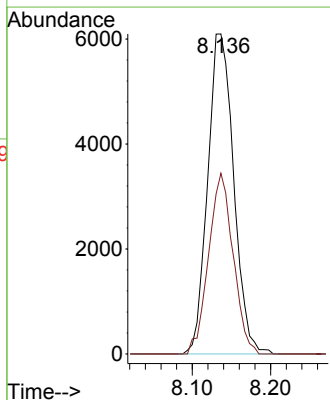
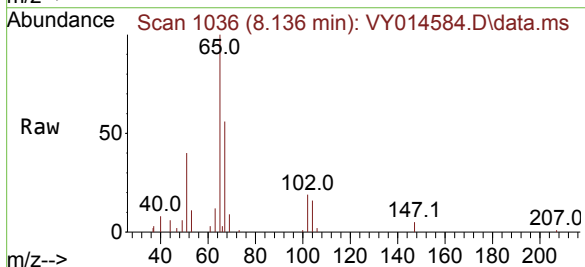
Instrument :
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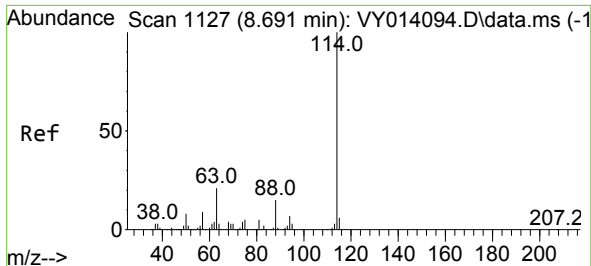
Tgt Ion: 56 Resp: 428
Ion Ratio Lower Upper
56 100
69 131.3 27.8 41.6#
84 125.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 59.341 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

Tgt Ion: 65 Resp: 14062
Ion Ratio Lower Upper
65 100
67 53.3 0.0 101.8

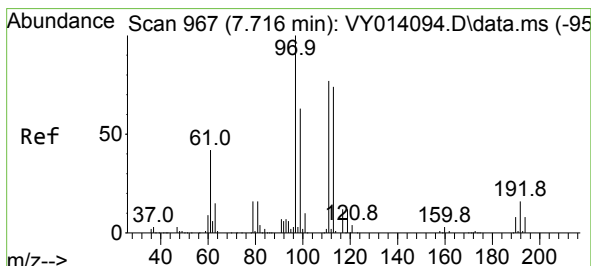
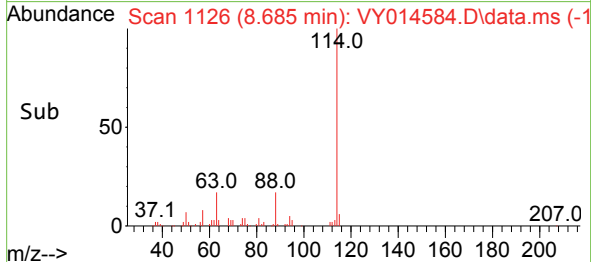
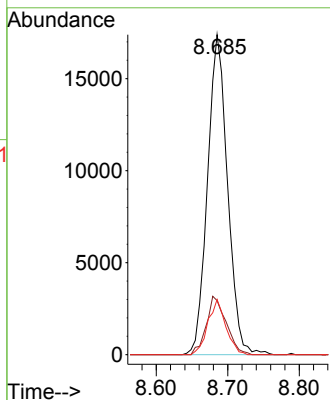
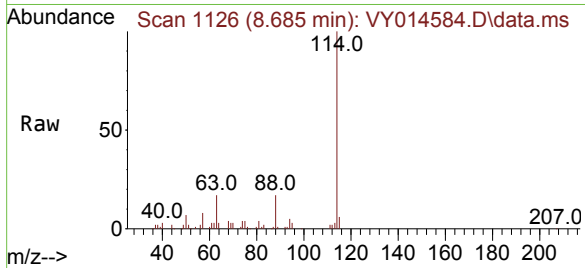




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

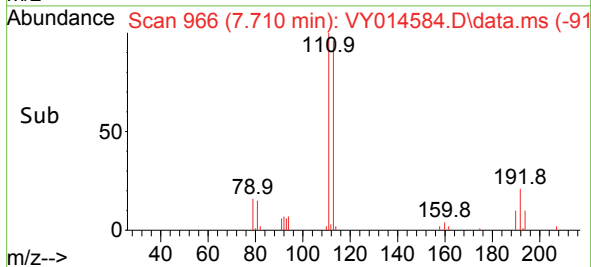
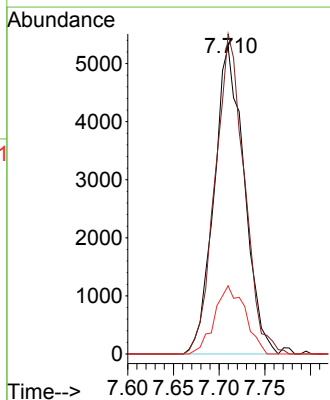
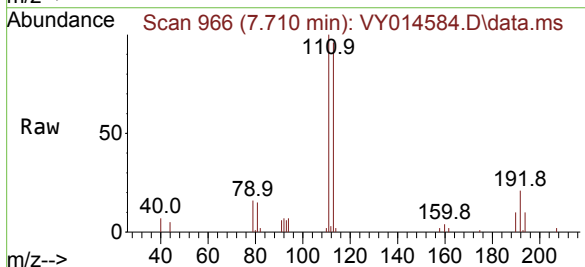
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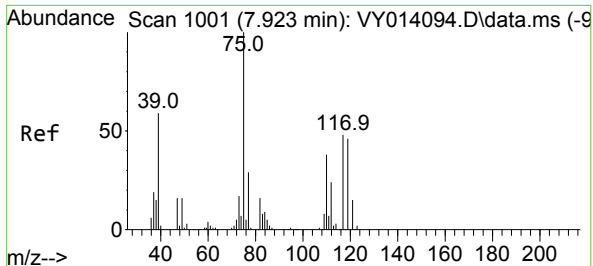
Tgt Ion:114	Resp:	33911
Ion	Ratio	Lower Upper
114	100	
63	16.9	0.0 42.4
88	17.3	0.0 30.6



#35
Dibromofluoromethane
Concen: 58.178 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

Tgt Ion:113	Resp:	12149
Ion	Ratio	Lower Upper
113	100	
111	100.8	81.3 121.9
192	22.5	16.9 25.3

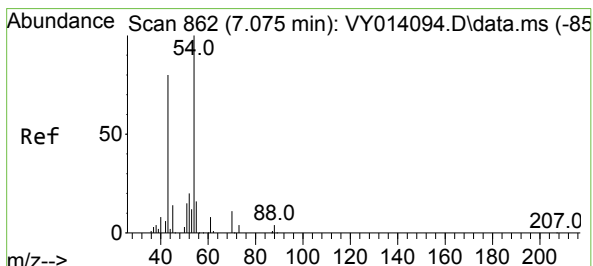
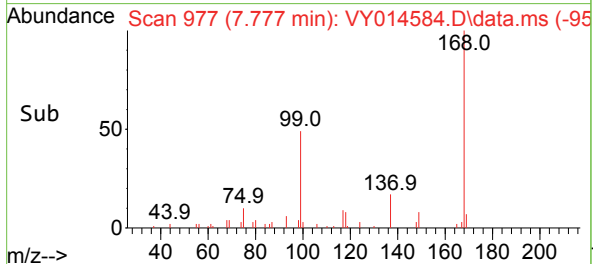
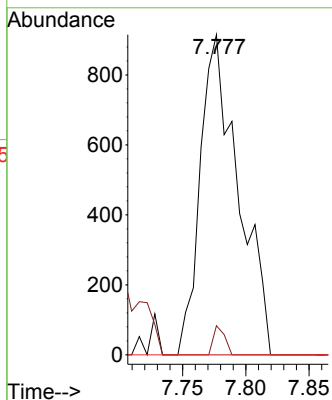
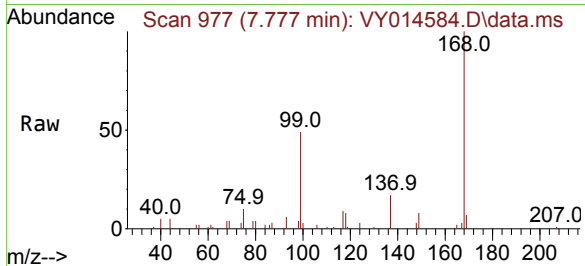




#36
1,1-Dichloropropene
Concen: 5.991 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.146 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

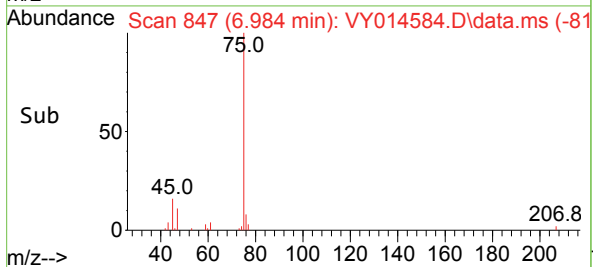
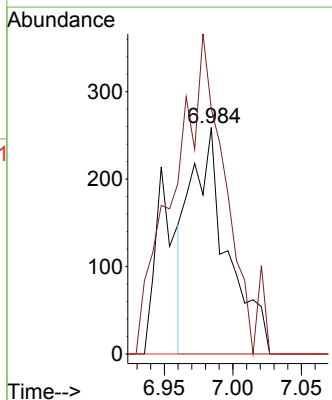
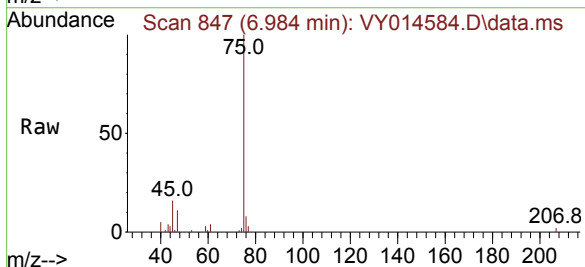
Instrument :
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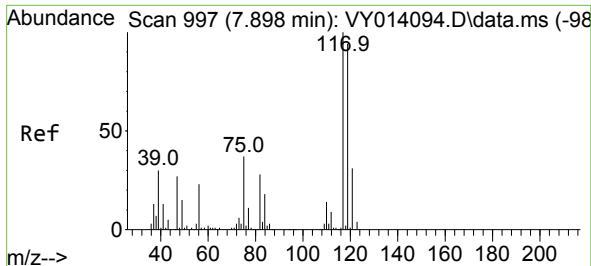
Tgt Ion: 75 Resp: 1916
Ion Ratio Lower Upper
75 100
110 2.7 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.230 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.091 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

Tgt Ion: 43 Resp: 489
Ion Ratio Lower Upper
43 100
61 188.5 10.1 15.1#
70 0.0 7.1 10.7#

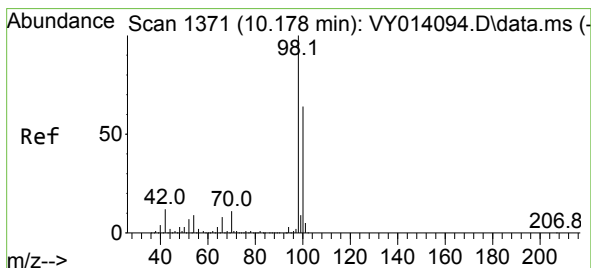
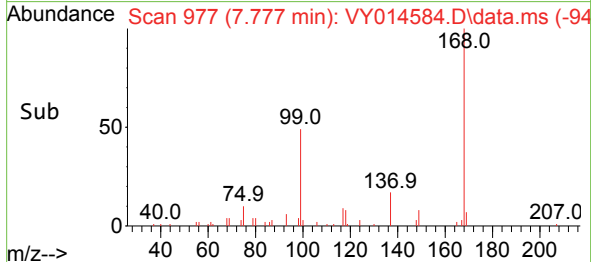
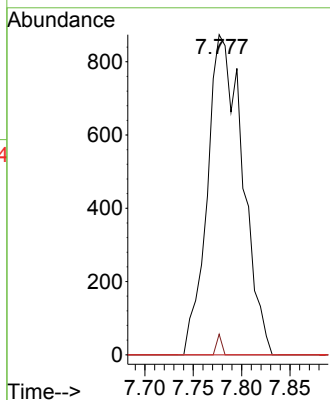
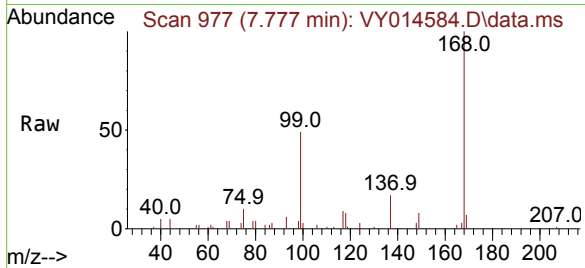




#38
Carbon Tetrachloride
Concen: 6.641 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.121 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

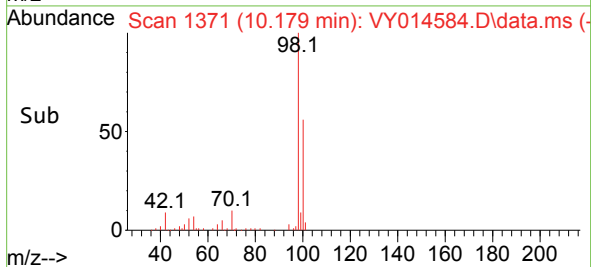
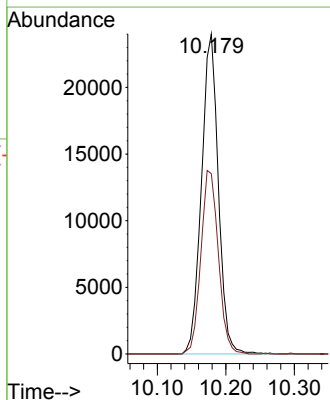
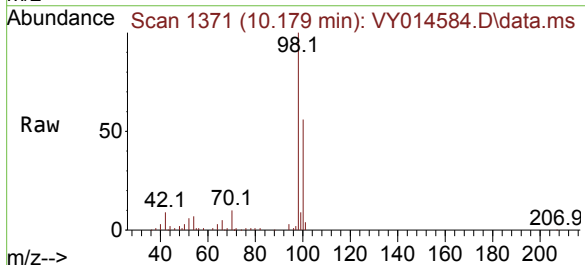
Instrument :
MSVOA_Y
ClientSampleId :
VOC

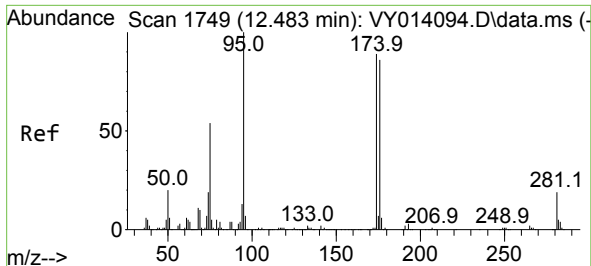
Tgt Ion:117 Resp: 2217
Ion Ratio Lower Upper
117 100
119 6.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.851 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

Tgt Ion: 98 Resp: 41153
Ion Ratio Lower Upper
98 100
100 59.3 50.1 75.1

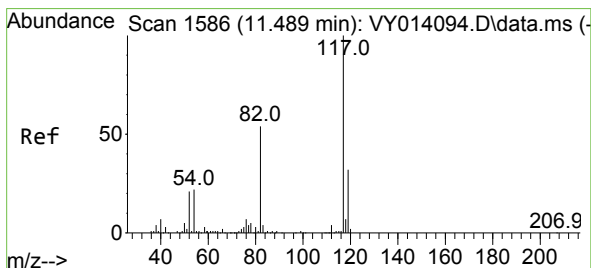
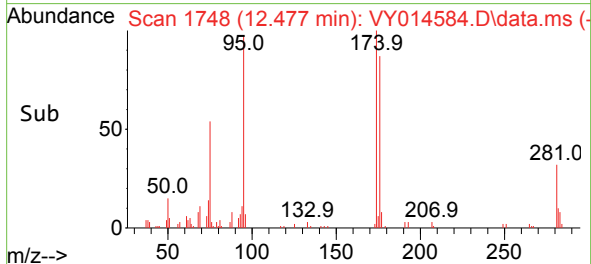
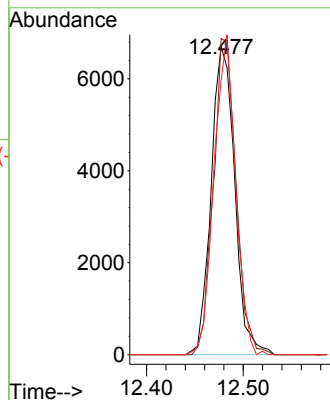
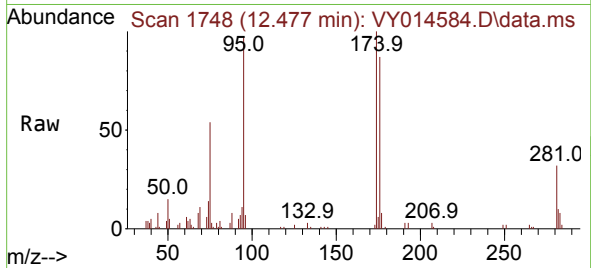




#62
4-Bromofluorobenzene
Concen: 39.508 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

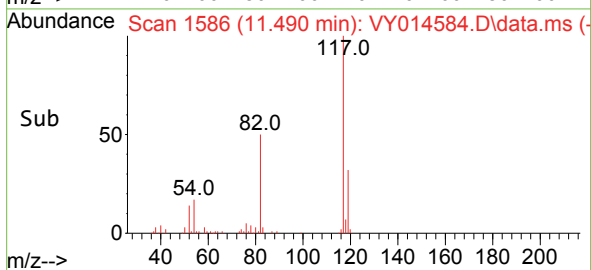
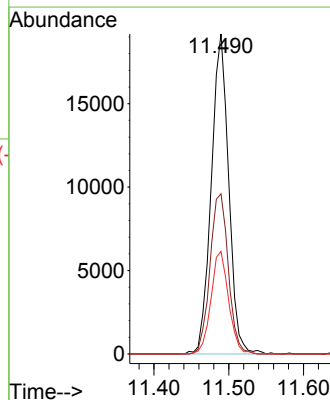
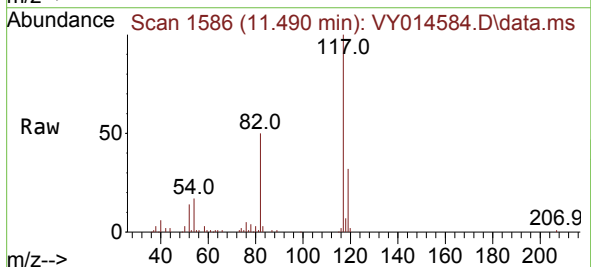
Instrument :
MSVOA_Y
ClientSampleId :
VOC

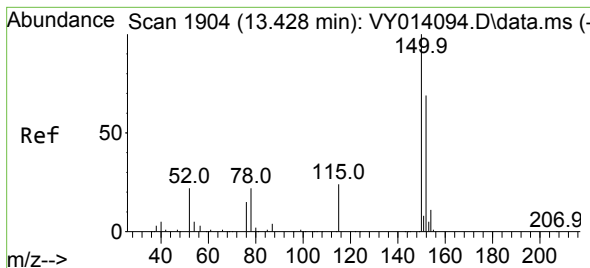
Tgt Ion: 95 Resp: 11325
Ion Ratio Lower Upper
95 100
174 98.9 0.0 178.2
176 94.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014584.D
Acq: 06 Jul 2023 13:31

Tgt Ion: 117 Resp: 30996
Ion Ratio Lower Upper
117 100
82 50.0 43.4 65.0
119 32.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY014584.D

Acq: 06 Jul 2023 13:31

Instrument :

MSVOA_Y

ClientSampleId :

VOC

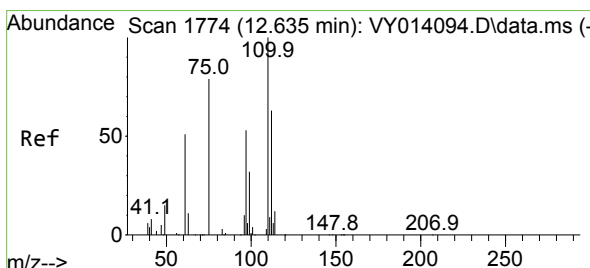
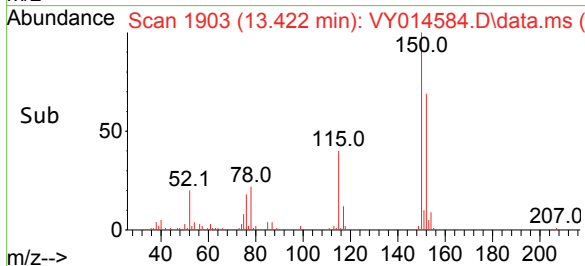
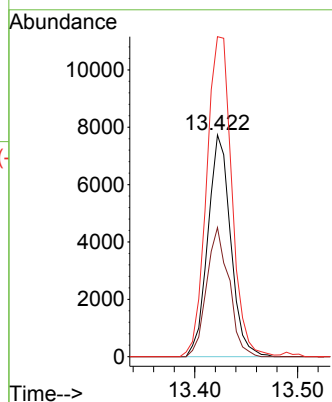
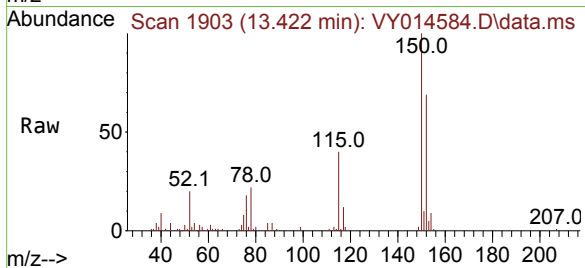
Tgt Ion:152 Resp: 11920

Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 159.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 39.721 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014584.D

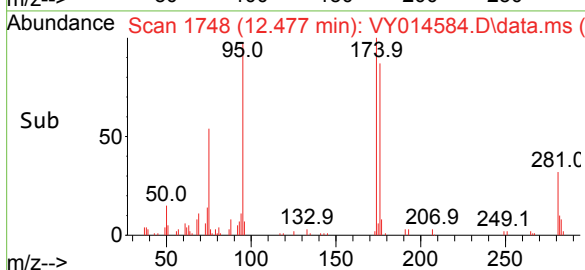
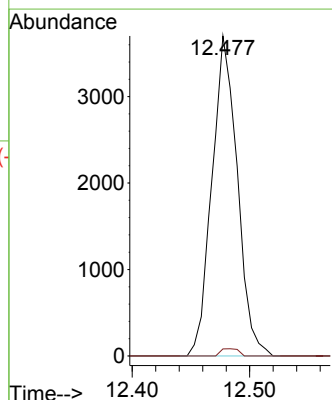
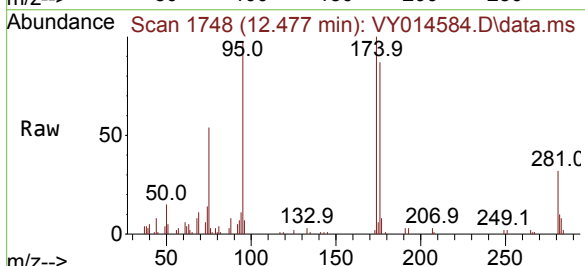
Acq: 06 Jul 2023 13:31

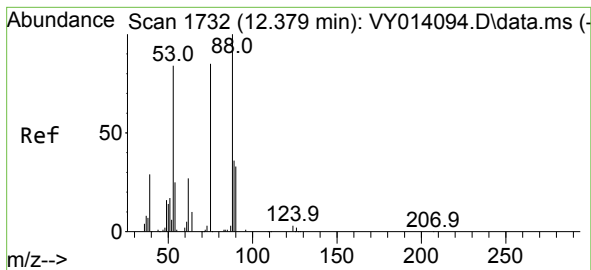
Tgt Ion: 75 Resp: 5556

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.313 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014584.D
 Acq: 06 Jul 2023 13:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Tgt Ion: 75 Resp: 5556
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

