

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031423\
 Data File : VY012938.D
 Acq On : 14 Mar 2023 13:26
 Operator : KP/MD
 Sample : 01905-01
 Misc : 6.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 UNION-1

Quant Time: Mar 15 01:42:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

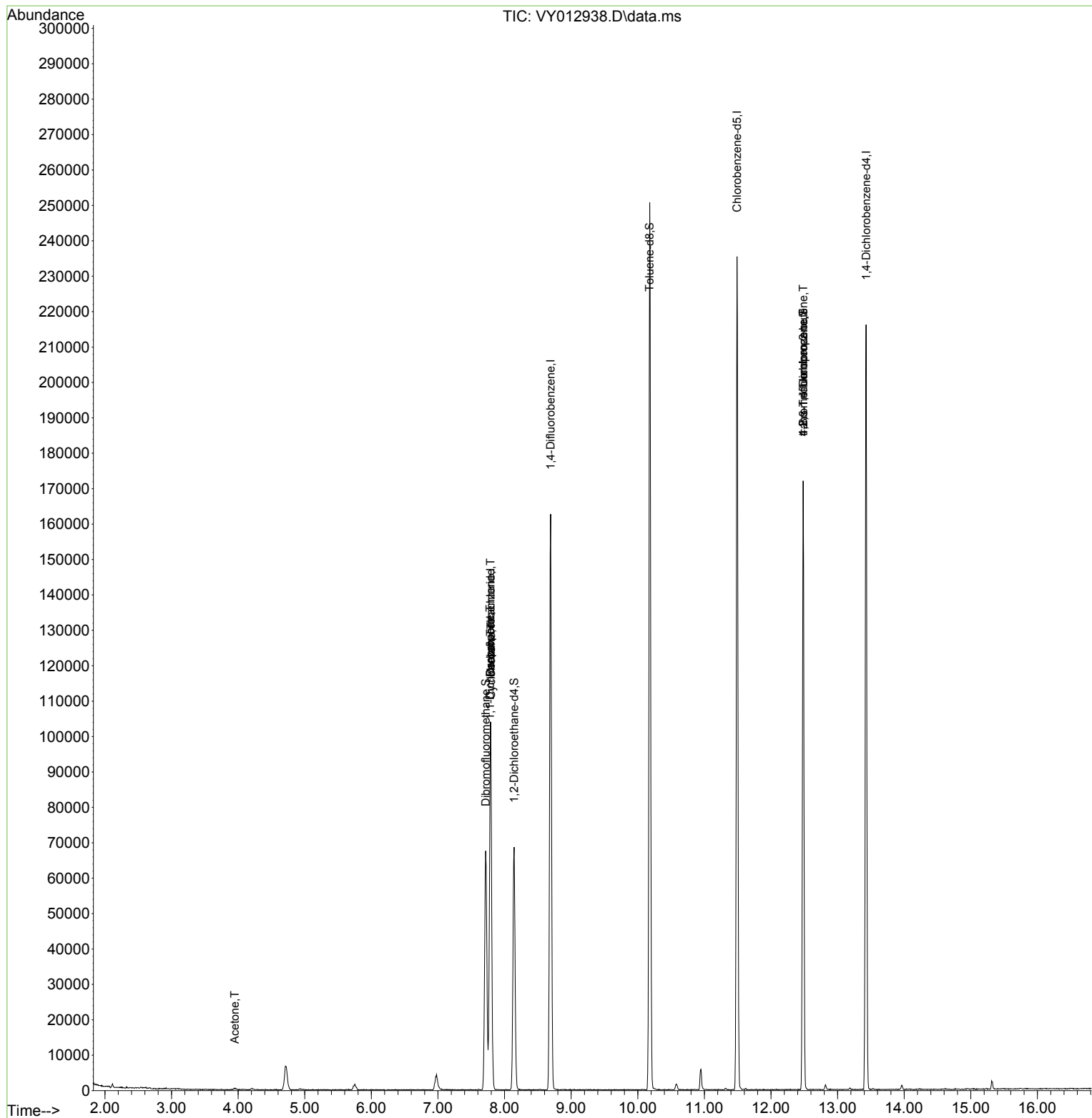
Internal Standards						
1) Pentafluorobenzene	7.789	168	81470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	137021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	124844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	55940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	53405	66.022	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.040%	
35) Dibromofluoromethane	7.716	113	46965	56.795	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.600%	
50) Toluene-d8	10.179	98	163772	54.174	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.340%	
62) 4-Bromofluorobenzene	12.483	95	49054	48.075	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.160%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	130	Below Cal	#	74
16) Acetone	3.948	43	713	2.246	ug/l #	79
20) Methylene Chloride	4.716	84	4942	Below Cal	#	89
31) Cyclohexane	7.795	56	1644	1.061	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	6377	4.602	ug/l #	49
38) Carbon Tetrachloride	7.789	117	7716	5.392	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	26180	39.191	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	26180	81.205	ug/l #	13

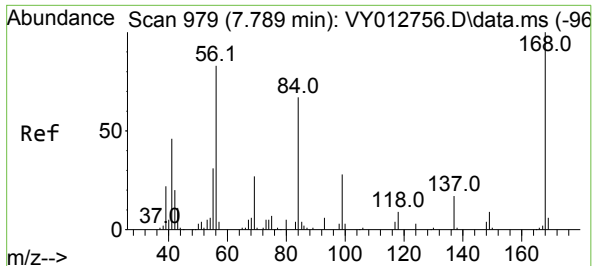
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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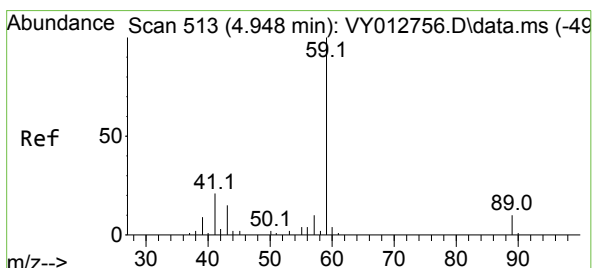
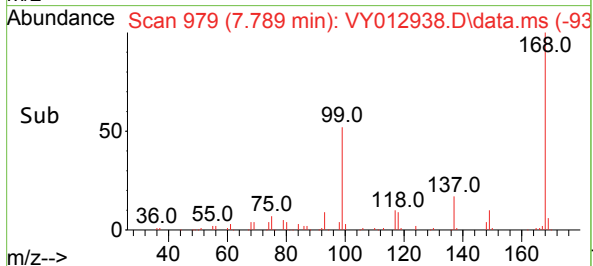
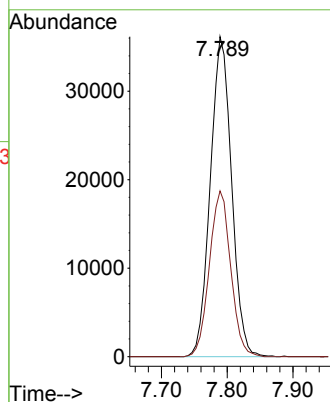
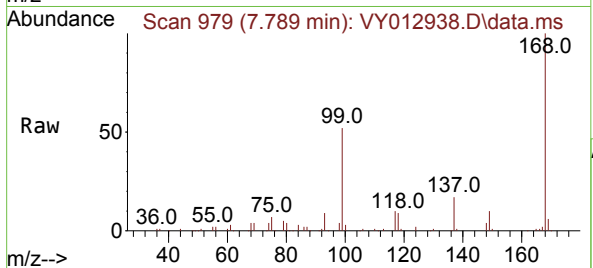




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012938.D
Acq: 14 Mar 2023 13:26

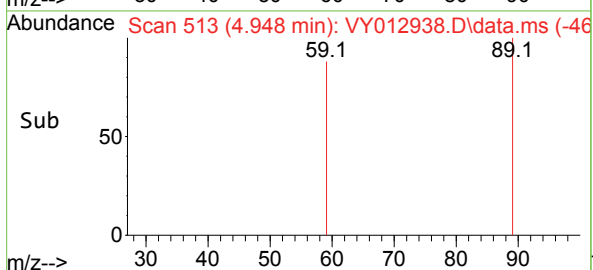
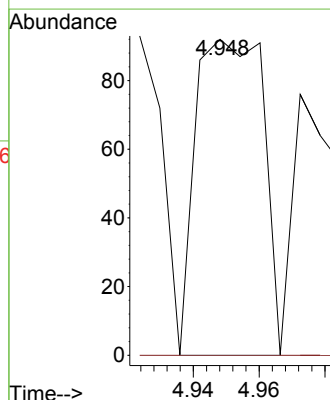
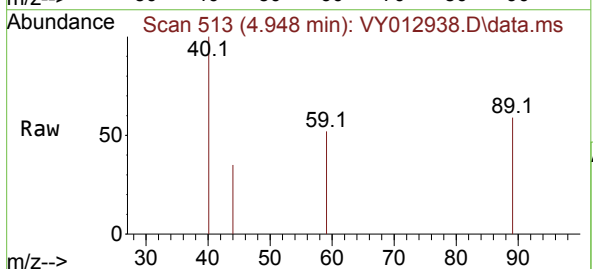
Instrument :
MSVOA_Y
ClientSampleId :
UNION-1

Tgt Ion:168 Resp: 81470
Ion Ratio Lower Upper
168 100
99 51.8 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY012938.D
Acq: 14 Mar 2023 13:26

Tgt Ion: 59 Resp: 130
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

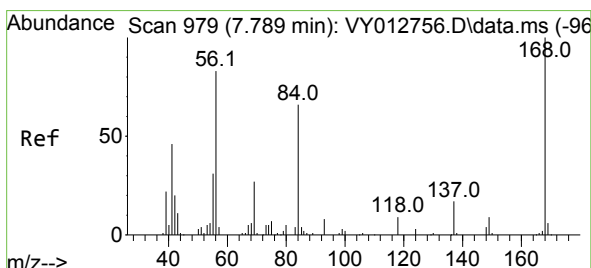
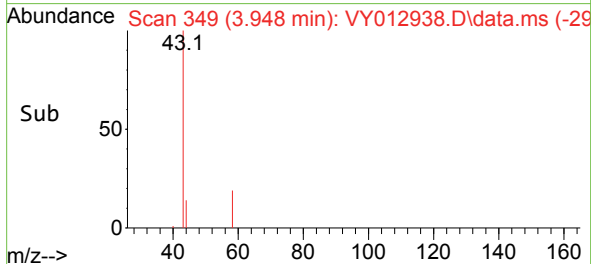
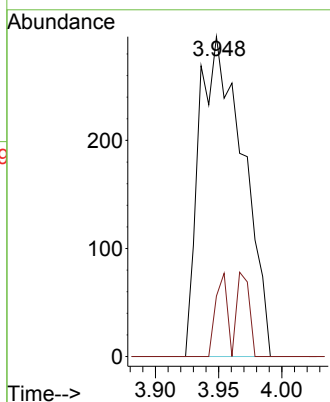
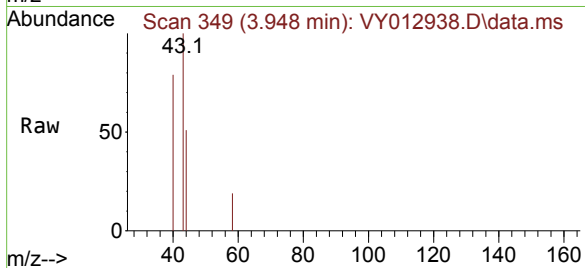




#16
Acetone
Concen: 2.246 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY012938.D
Acq: 14 Mar 2023 13:26

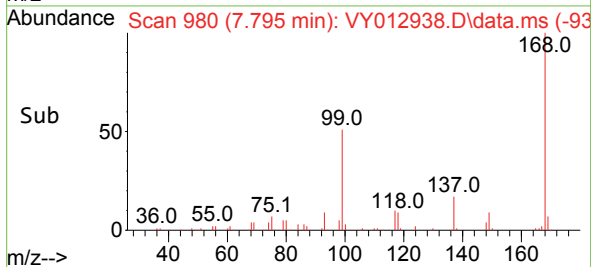
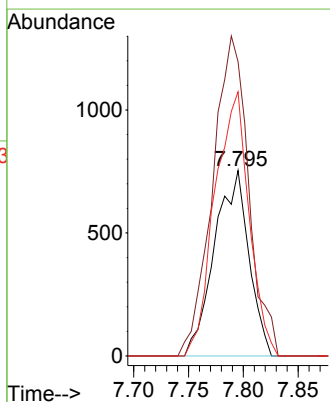
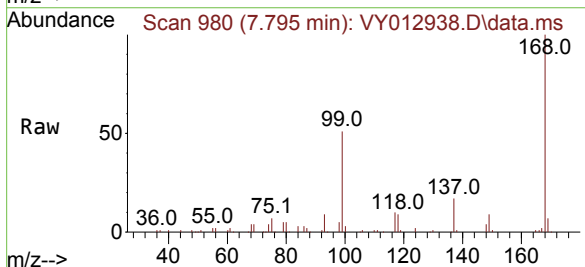
Instrument :
MSVOA_Y
ClientSampleId :
UNION-1

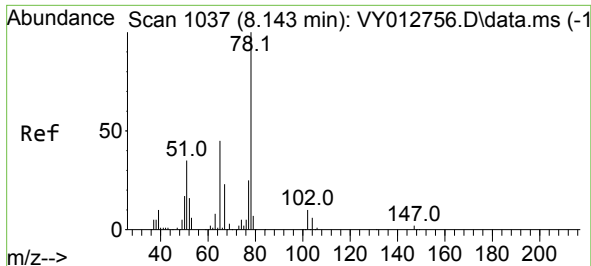
Tgt Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
58 18.9 24.2 36.2#



#31
Cyclohexane
Concen: 1.061 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY012938.D
Acq: 14 Mar 2023 13:26

Tgt Ion: 56 Resp: 1644
Ion Ratio Lower Upper
56 100
69 158.8 25.7 38.5#
84 142.4 64.3 96.5#

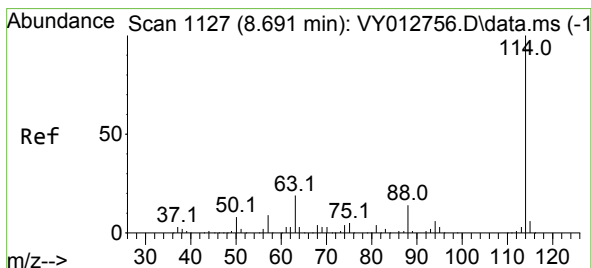
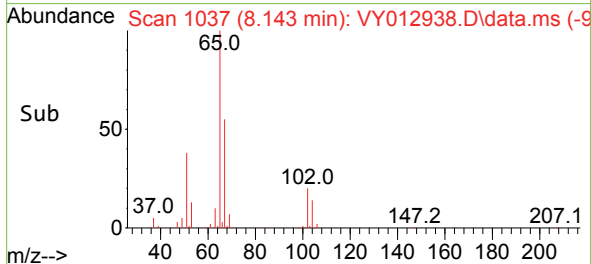
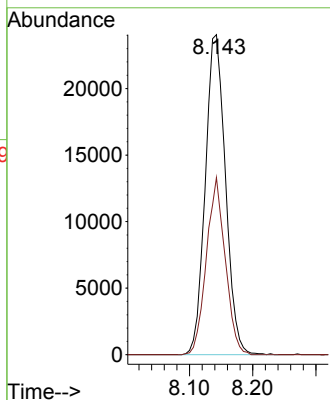
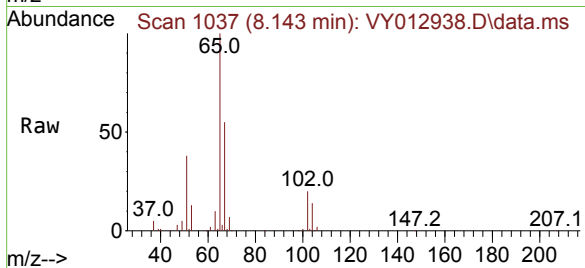




#33
1,2-Dichloroethane-d4
Concen: 66.022 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012938.D
Acq: 14 Mar 2023 13:26

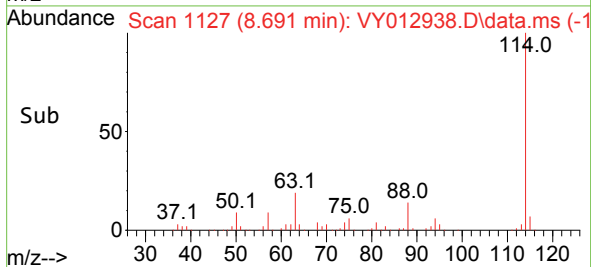
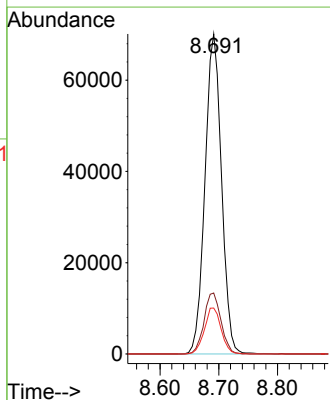
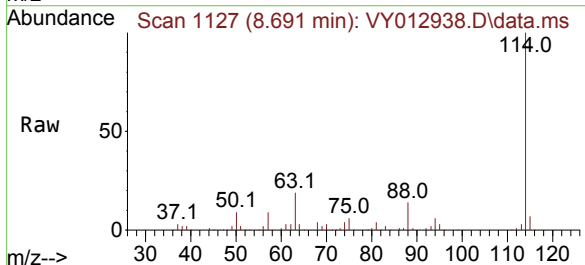
Instrument :
MSVOA_Y
ClientSampleId :
UNION-1

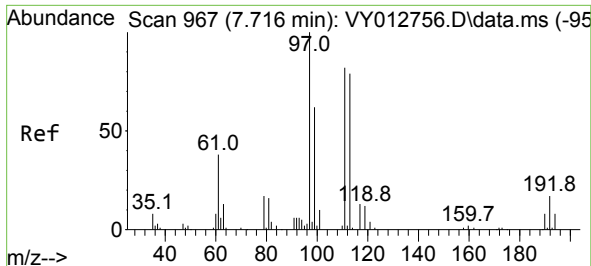
Tgt Ion: 65 Resp: 53405
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012938.D
Acq: 14 Mar 2023 13:26

Tgt Ion: 114 Resp: 137021
Ion Ratio Lower Upper
114 100
63 19.0 0.0 37.4
88 14.3 0.0 28.6

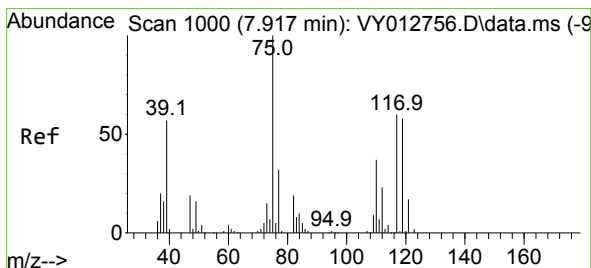
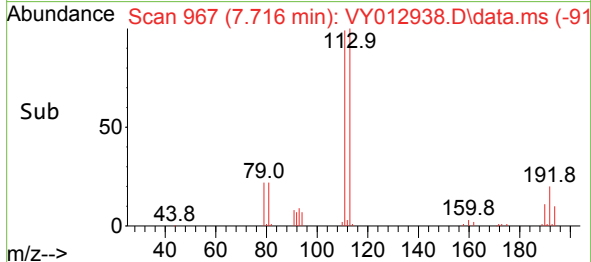
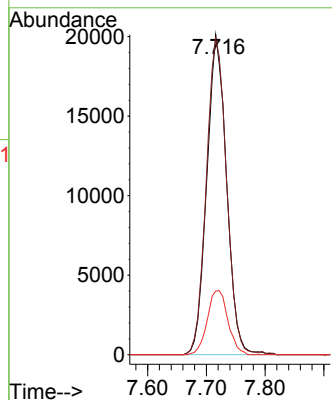
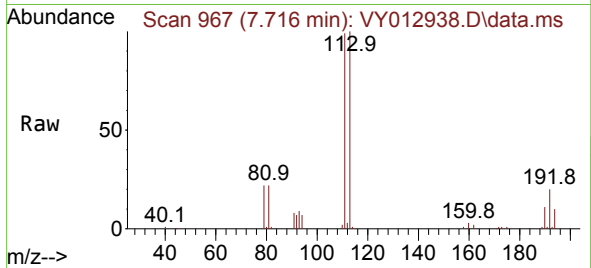




#35
Dibromofluoromethane
Concen: 56.795 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012938.D
Acq: 14 Mar 2023 13:26

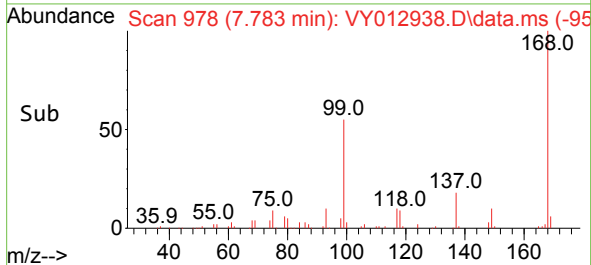
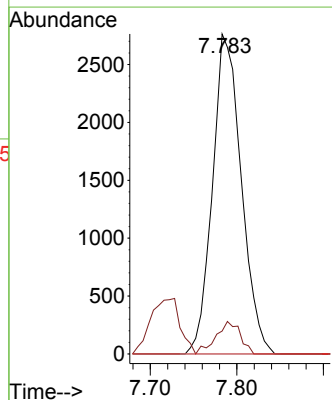
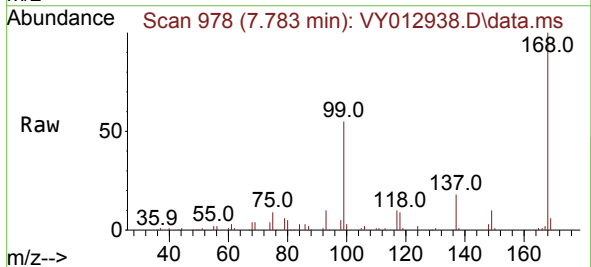
Instrument :
MSVOA_Y
ClientSampleId :
UNION-1

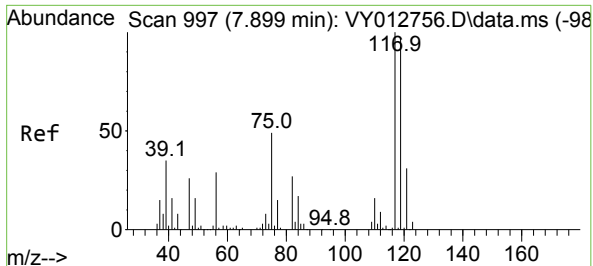
Tgt Ion:113 Resp: 46965
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 21.0 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.602 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012938.D
Acq: 14 Mar 2023 13:26

Tgt Ion: 75 Resp: 6377
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.3#
77 0.0 25.0 37.4#

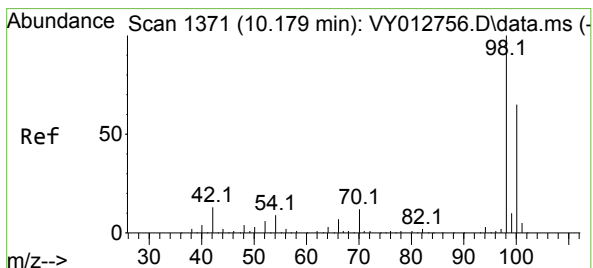
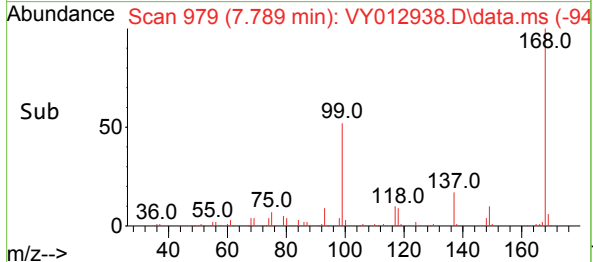
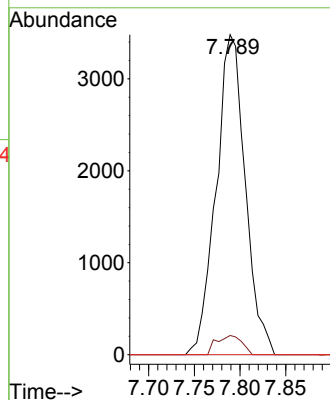
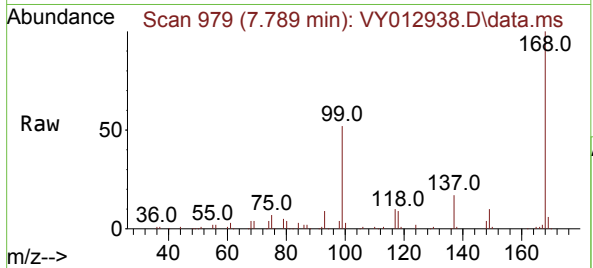




#38
Carbon Tetrachloride
Concen: 5.392 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012938.D
Acq: 14 Mar 2023 13:26

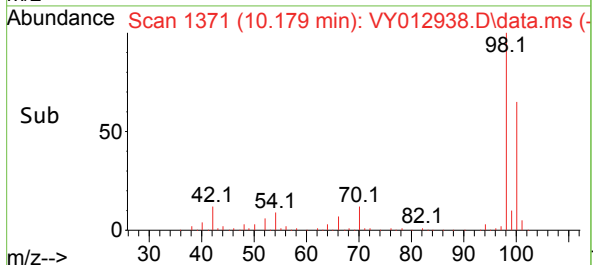
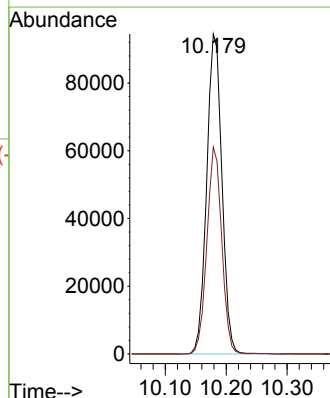
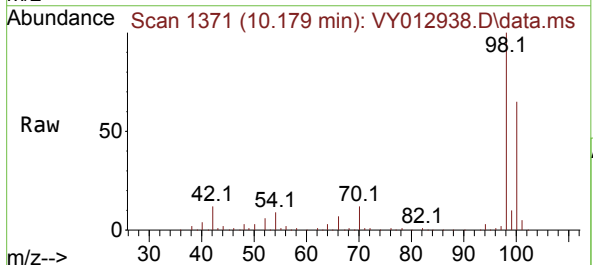
Instrument :
MSVOA_Y
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UNION-1

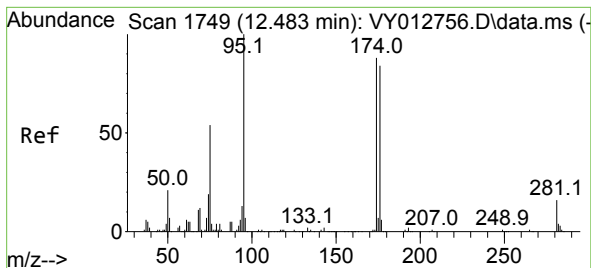
Tgt Ion:117 Resp: 7716
Ion Ratio Lower Upper
117 100
119 6.0 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 54.174 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012938.D
Acq: 14 Mar 2023 13:26

Tgt Ion: 98 Resp: 163772
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3

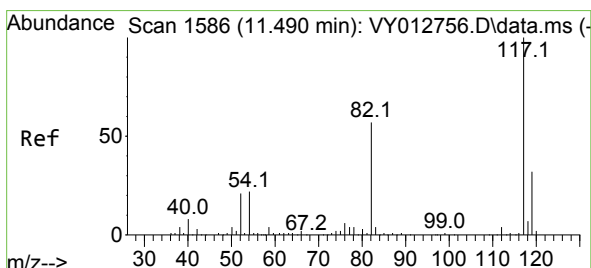
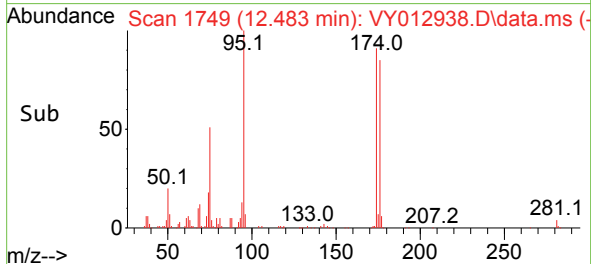
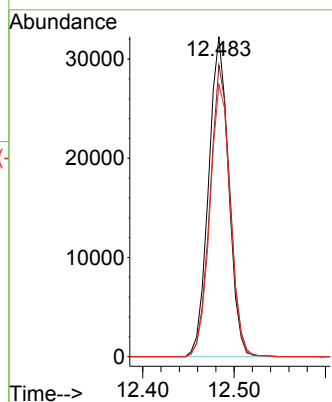
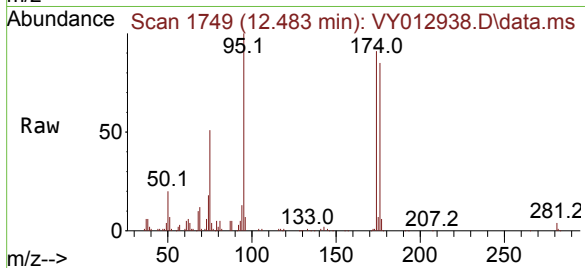




#62
4-Bromofluorobenzene
Concen: 48.075 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012938.D
Acq: 14 Mar 2023 13:26

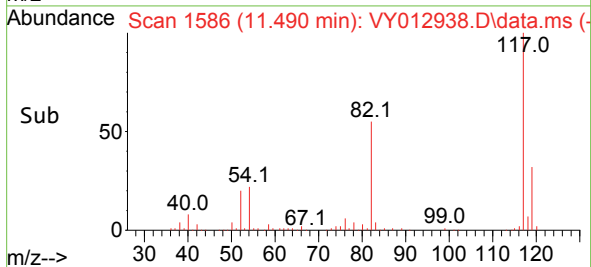
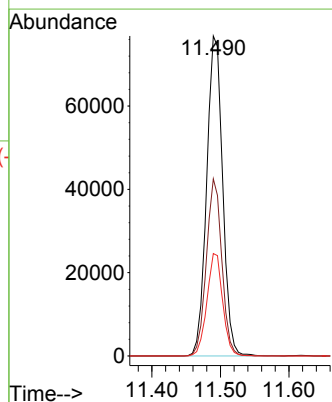
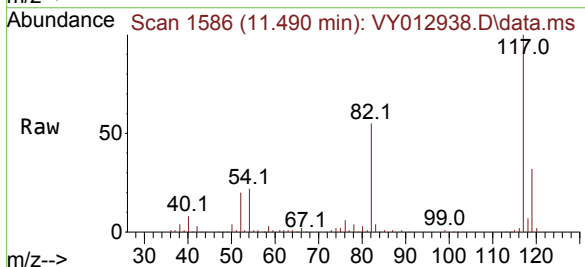
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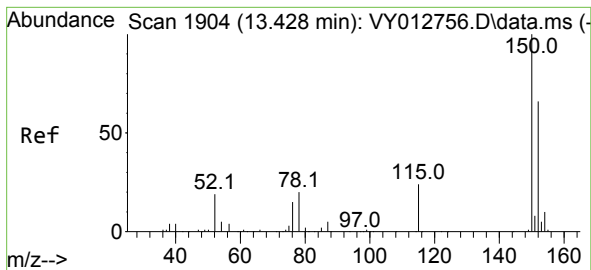
Tgt Ion: 95 Resp: 49054
Ion Ratio Lower Upper
95 100
174 91.7 0.0 176.6
176 86.9 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012938.D
Acq: 14 Mar 2023 13:26

Tgt Ion: 117 Resp: 124844
Ion Ratio Lower Upper
117 100
82 55.3 45.4 68.0
119 32.0 25.6 38.4

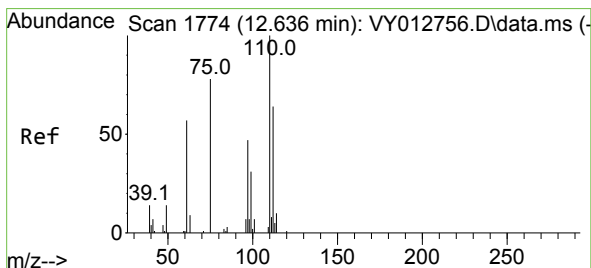
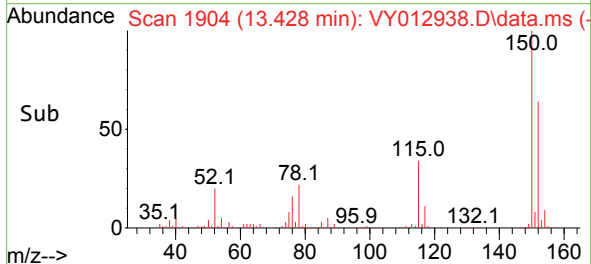
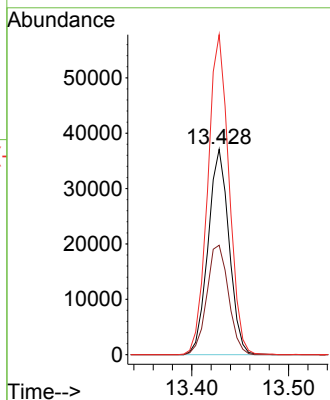
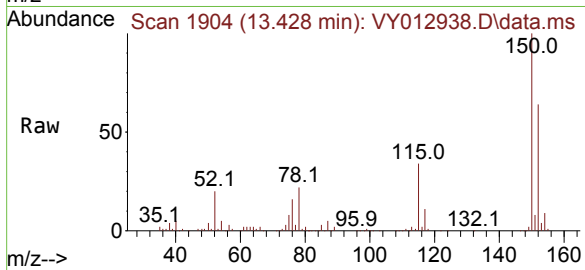




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012938.D
 Acq: 14 Mar 2023 13:26

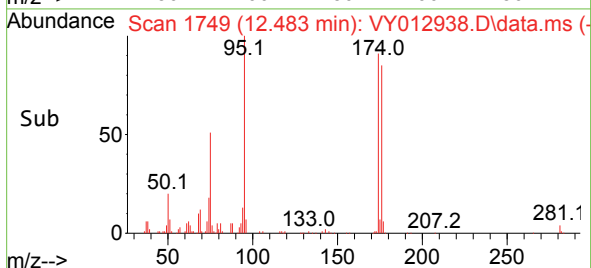
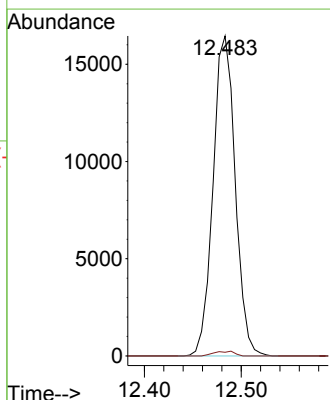
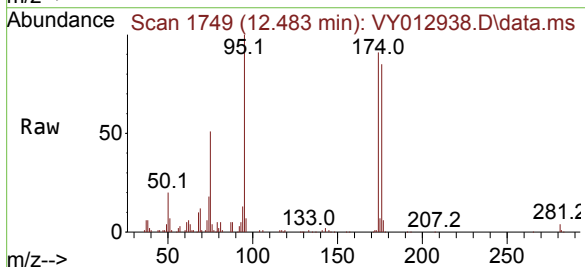
Instrument :
 MSVOA_Y
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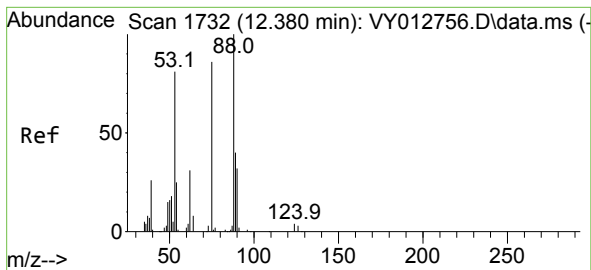
Tgt Ion:152 Resp: 55940
 Ion Ratio Lower Upper
 152 100
 115 55.3 27.1 81.3
 150 157.3 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 39.191 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012938.D
 Acq: 14 Mar 2023 13:26

Tgt Ion: 75 Resp: 26180
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.205 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012938.D
 Acq: 14 Mar 2023 13:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 UNION-1

Tgt Ion: 75 Resp: 26180
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 36.6 55.0#

