

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030823\
 Data File : VY012879.D
 Acq On : 08 Mar 2023 18:23
 Operator : KP/MD
 Sample : 01829-09
 Misc : 5.58g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-09-20230306

Quant Time: Mar 09 00:39:10 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)

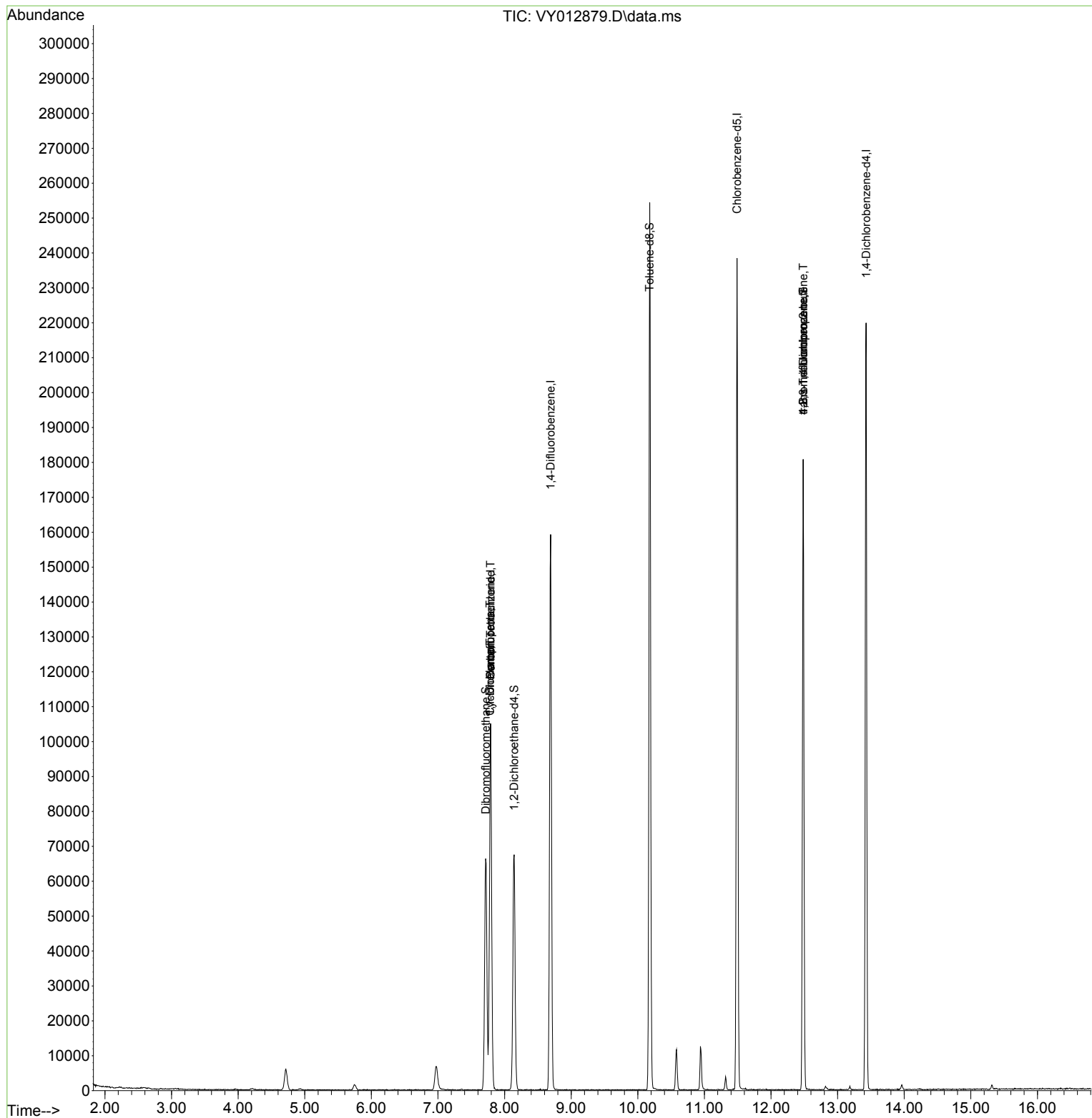
Internal Standards						
1) Pentafluorobenzene	7.789	168	81184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	135700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	124018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	56774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	53396	66.244	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.480%	
35) Dibromofluoromethane	7.716	113	47101	57.514	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.020%	
50) Toluene-d8	10.179	98	163991	54.775	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.540%	
62) 4-Bromofluorobenzene	12.483	95	48803	48.295	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.600%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	52	Below Cal	#	74
20) Methylene Chloride	4.716	84	4427	Below Cal		94
31) Cyclohexane	7.783	56	1765	1.143	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	5993	4.367	ug/l #	49
38) Carbon Tetrachloride	7.789	117	8040	5.673	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	26488	39.069	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	26488	80.953	ug/l #	13

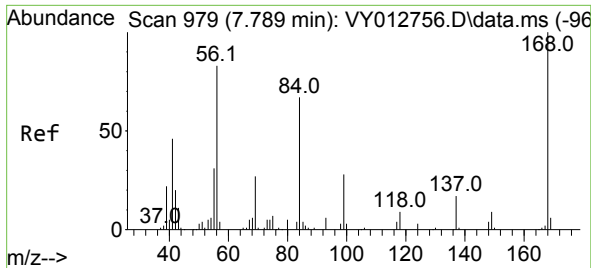
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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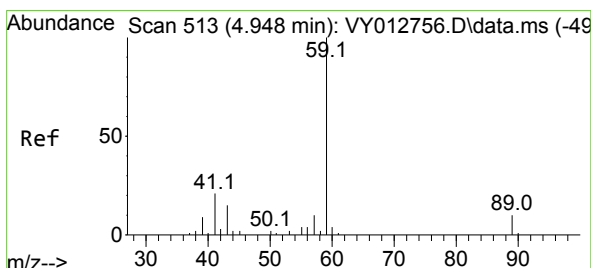
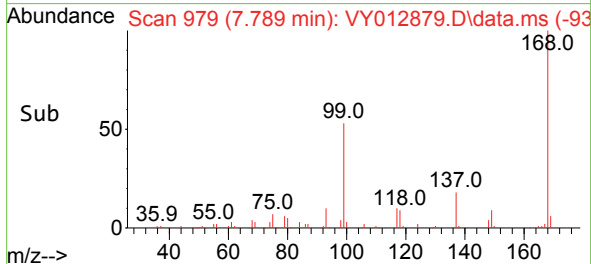
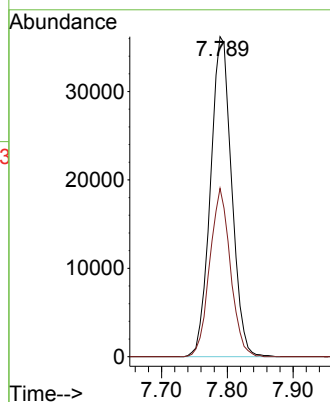
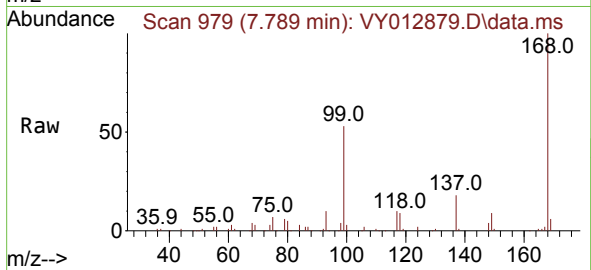




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012879.D
Acq: 08 Mar 2023 18:23

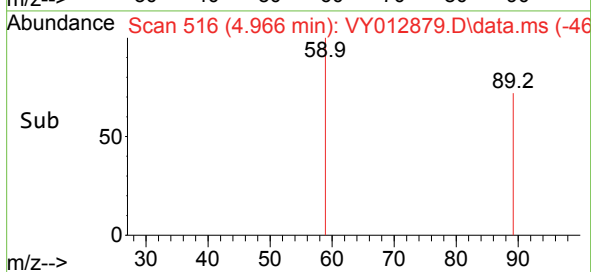
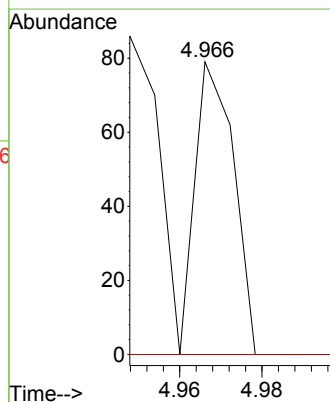
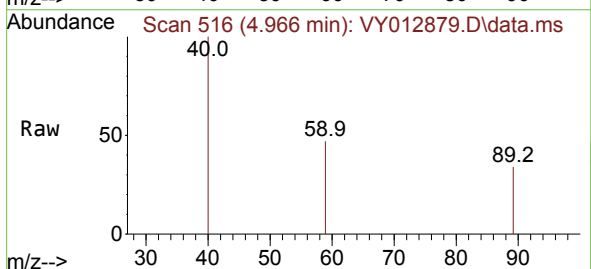
Instrument :
MSVOA_Y
ClientSampleId :
SS-09-20230306

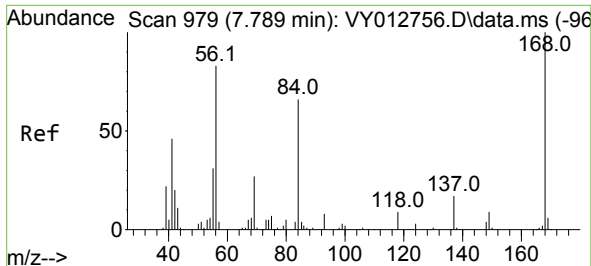
Tgt Ion:168 Resp: 81184
Ion Ratio Lower Upper
168 100
99 52.6 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.018 min
Lab File: VY012879.D
Acq: 08 Mar 2023 18:23

Tgt Ion: 59 Resp: 52
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

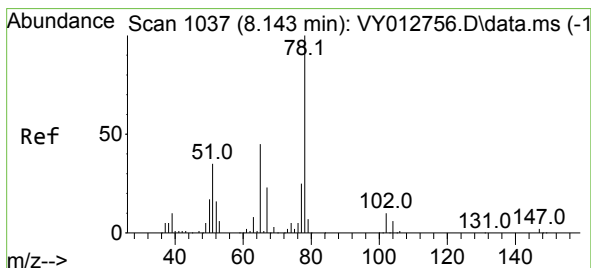
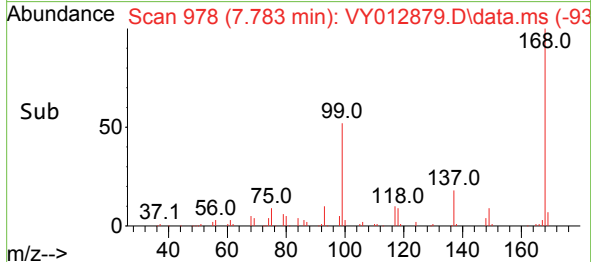
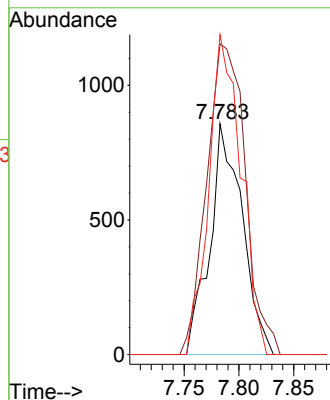
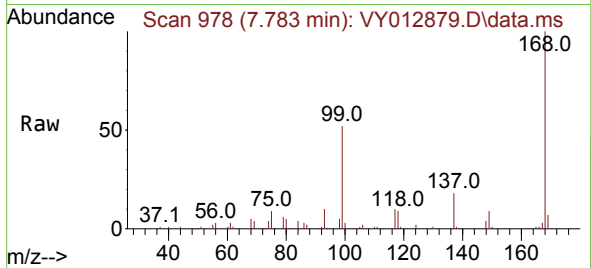




#31
Cyclohexane
Concen: 1.143 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012879.D
Acq: 08 Mar 2023 18:23

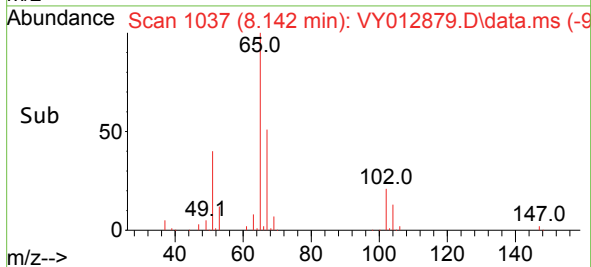
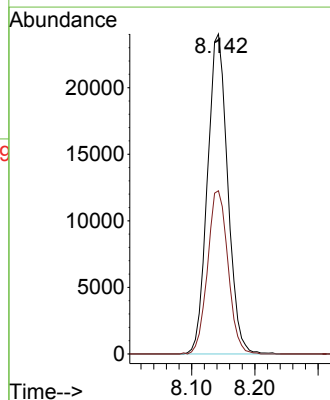
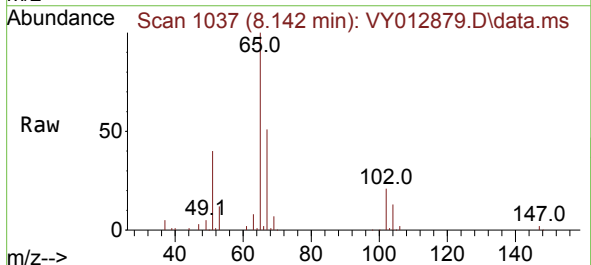
Instrument :
MSVOA_Y
ClientSampleId :
SS-09-20230306

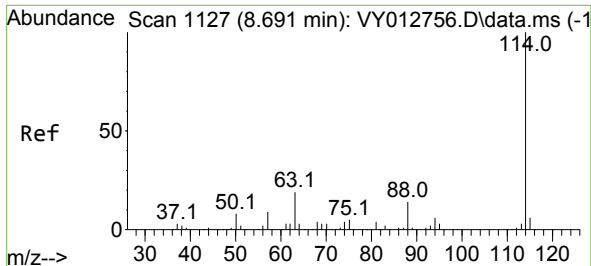
Tgt Ion: 56 Resp: 1765
Ion Ratio Lower Upper
56 100
69 134.7 25.7 38.5#
84 138.6 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 66.244 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012879.D
Acq: 08 Mar 2023 18:23

Tgt Ion: 65 Resp: 53396
Ion Ratio Lower Upper
65 100
67 51.5 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: VY012879.D

Acq: 08 Mar 2023 18:23

Instrument :

MSVOA_Y

ClientSampleId :

SS-09-20230306

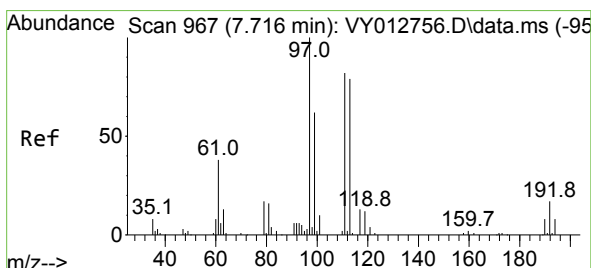
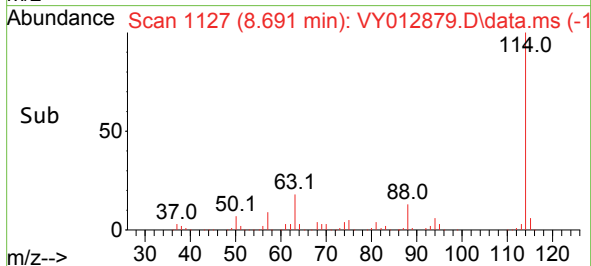
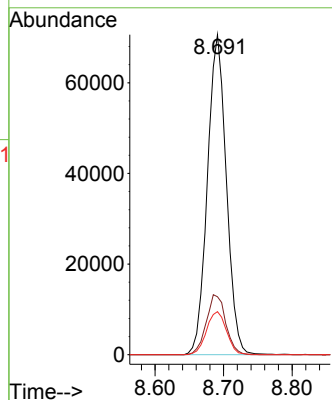
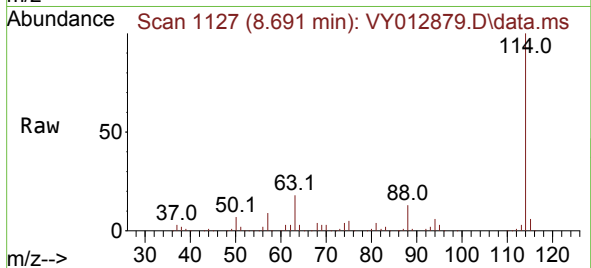
Tgt Ion:114 Resp: 135700

Ion Ratio Lower Upper

114 100

63 18.1 0.0 37.4

88 13.5 0.0 28.6



#35

Dibromofluoromethane

Concen: 57.514 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012879.D

Acq: 08 Mar 2023 18:23

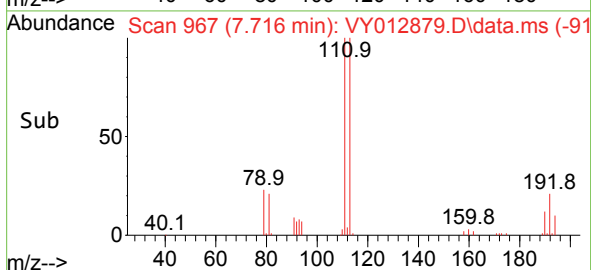
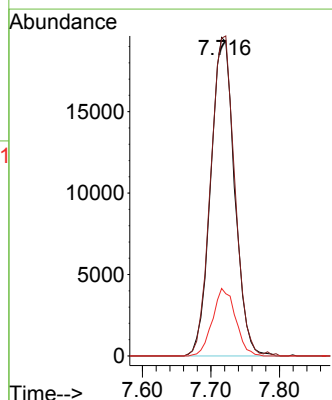
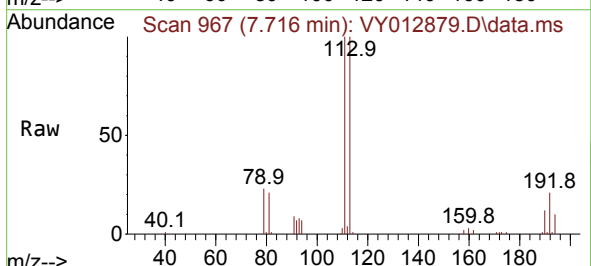
Tgt Ion:113 Resp: 47101

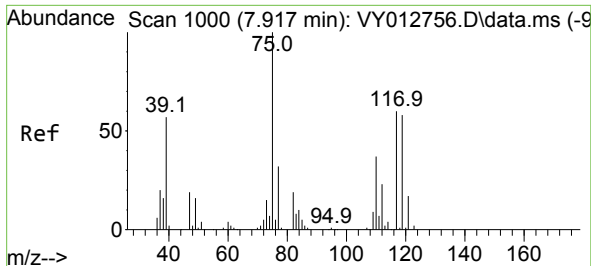
Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.2

192 20.6 16.8 25.2

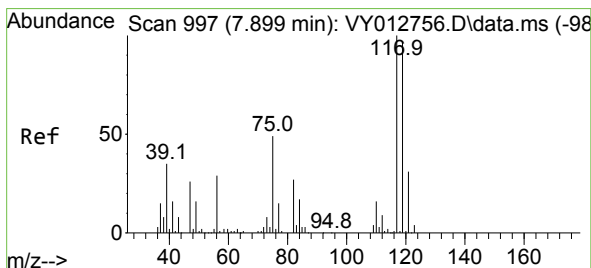
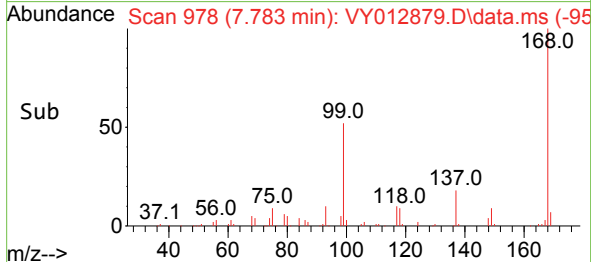
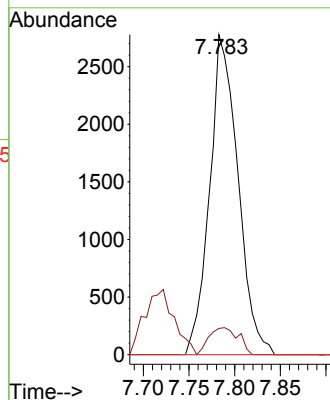
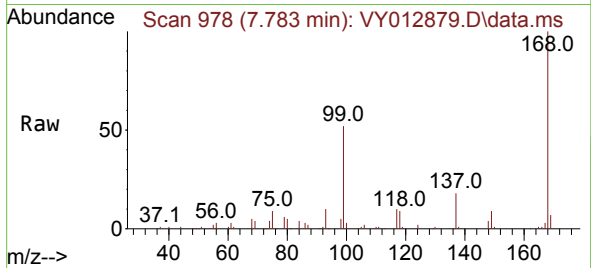




#36
1,1-Dichloropropene
Concen: 4.367 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY012879.D
Acq: 08 Mar 2023 18:23

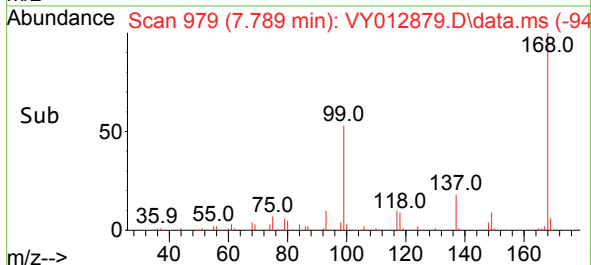
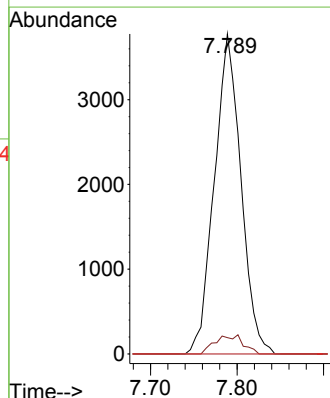
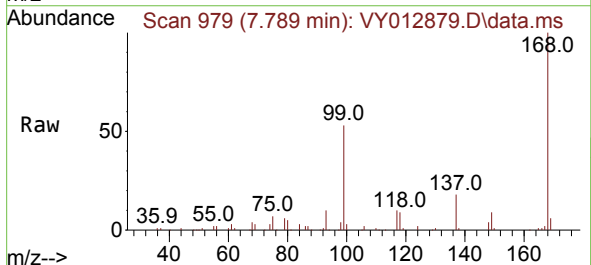
Instrument :
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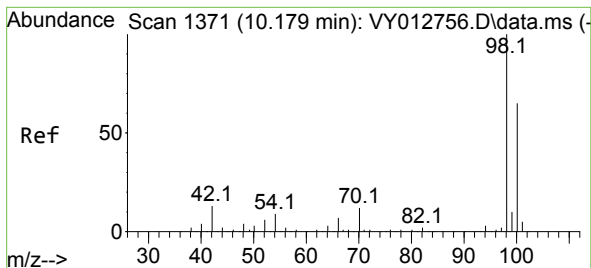
Tgt Ion: 75 Resp: 5993
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.673 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY012879.D
Acq: 08 Mar 2023 18:23

Tgt Ion: 117 Resp: 8040
Ion Ratio Lower Upper
117 100
119 5.1 77.2 115.8#
121 0.0 24.7 37.1#

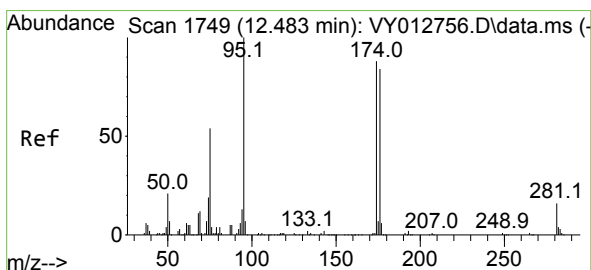
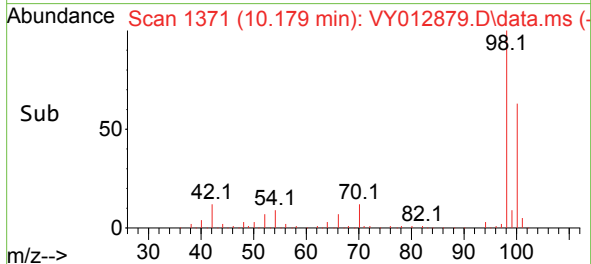
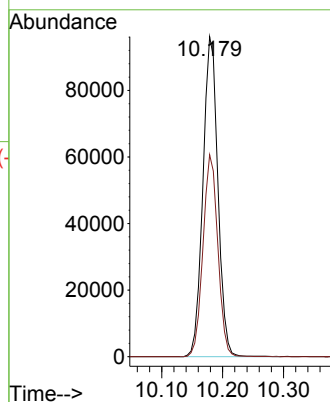
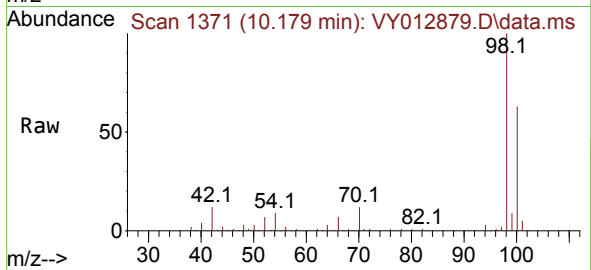




#50
Toluene-d8
Concen: 54.775 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012879.D
Acq: 08 Mar 2023 18:23

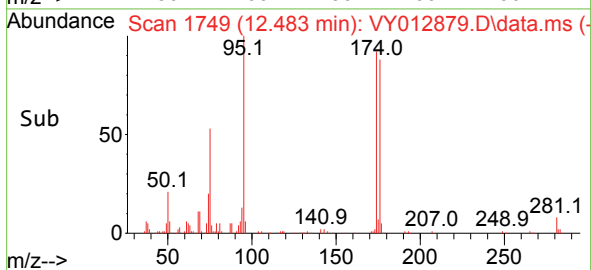
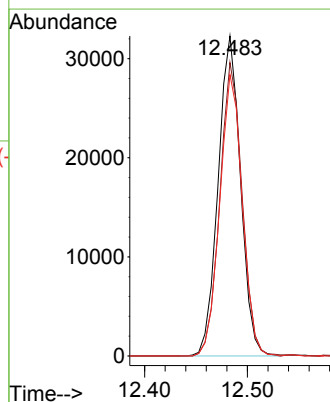
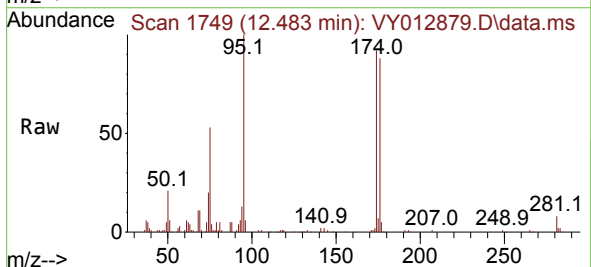
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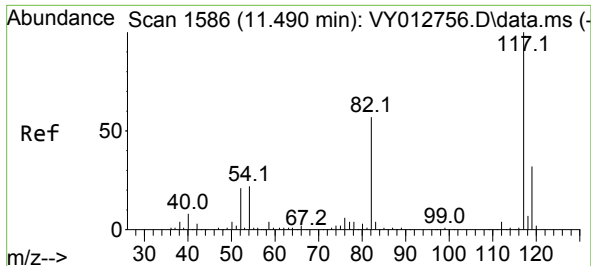
Tgt Ion: 98 Resp: 163991
Ion Ratio Lower Upper
98 100
100 62.6 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 48.295 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012879.D
Acq: 08 Mar 2023 18:23

Tgt Ion: 95 Resp: 48803
Ion Ratio Lower Upper
95 100
174 91.5 0.0 176.6
176 88.2 0.0 170.2

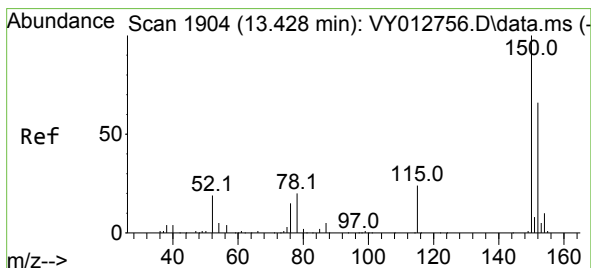
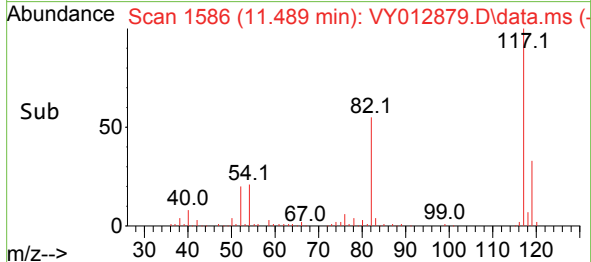
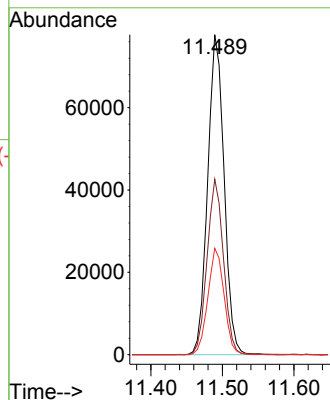
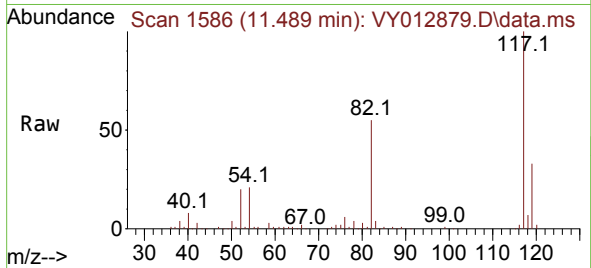




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012879.D
Acq: 08 Mar 2023 18:23

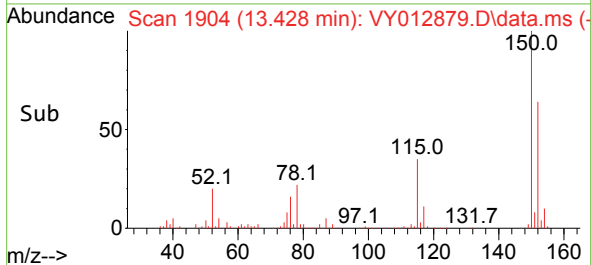
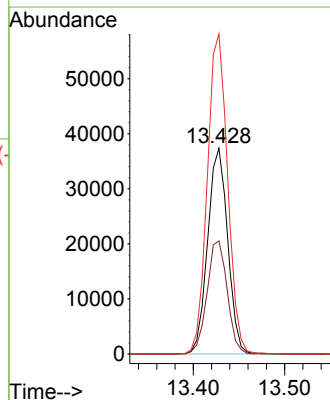
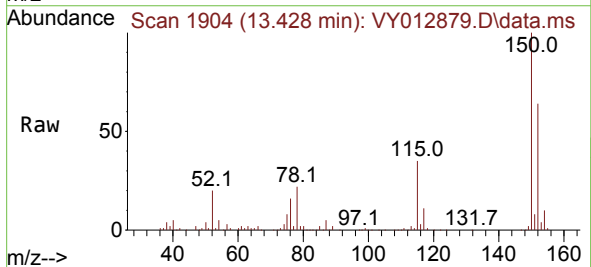
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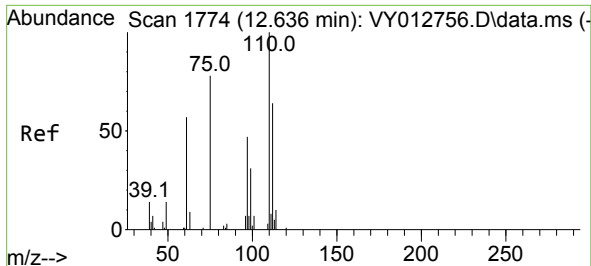
Tgt Ion:117 Resp: 124018
Ion Ratio Lower Upper
117 100
82 54.9 45.4 68.0
119 33.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY012879.D
Acq: 08 Mar 2023 18:23

Tgt Ion:152 Resp: 56774
Ion Ratio Lower Upper
152 100
115 55.4 27.1 81.3
150 157.6 0.0 347.8

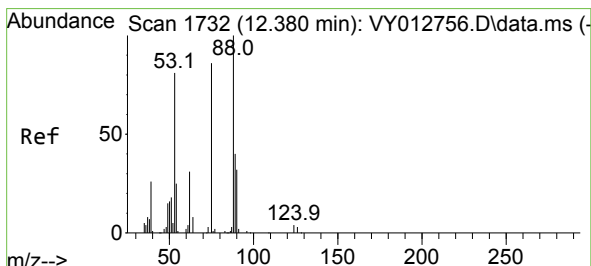
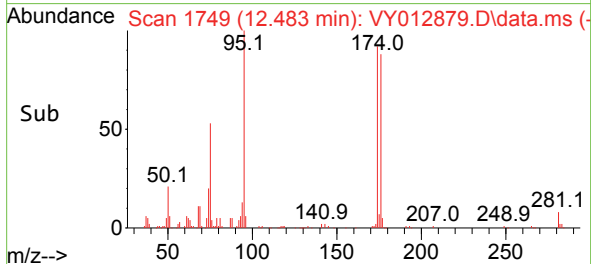
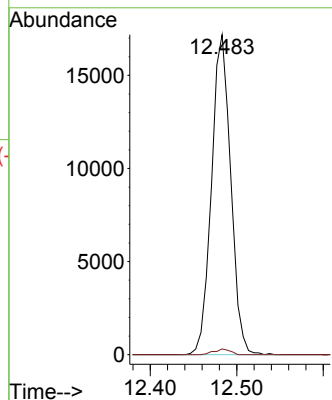
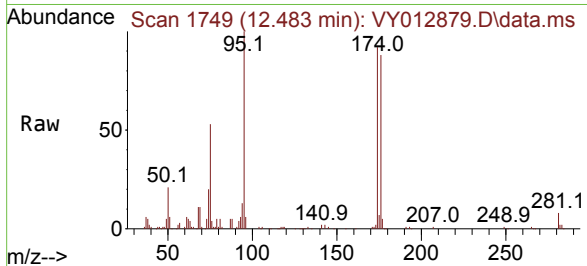




#76
1,2,3-Trichloropropane
Concen: 39.069 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012879.D
Acq: 08 Mar 2023 18:23

Instrument :
MSVOA_Y
ClientSampleId :
SS-09-20230306

Tgt Ion: 75 Resp: 26488
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.953 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY012879.D
Acq: 08 Mar 2023 18:23

Tgt Ion: 75 Resp: 26488
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#

