

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061323\
 Data File : VY014148.D
 Acq On : 13 Jun 2023 18:36
 Operator : KP/MD
 Sample : 03160-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PNNL-B-0609-1

Quant Time: Jun 14 01:39:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

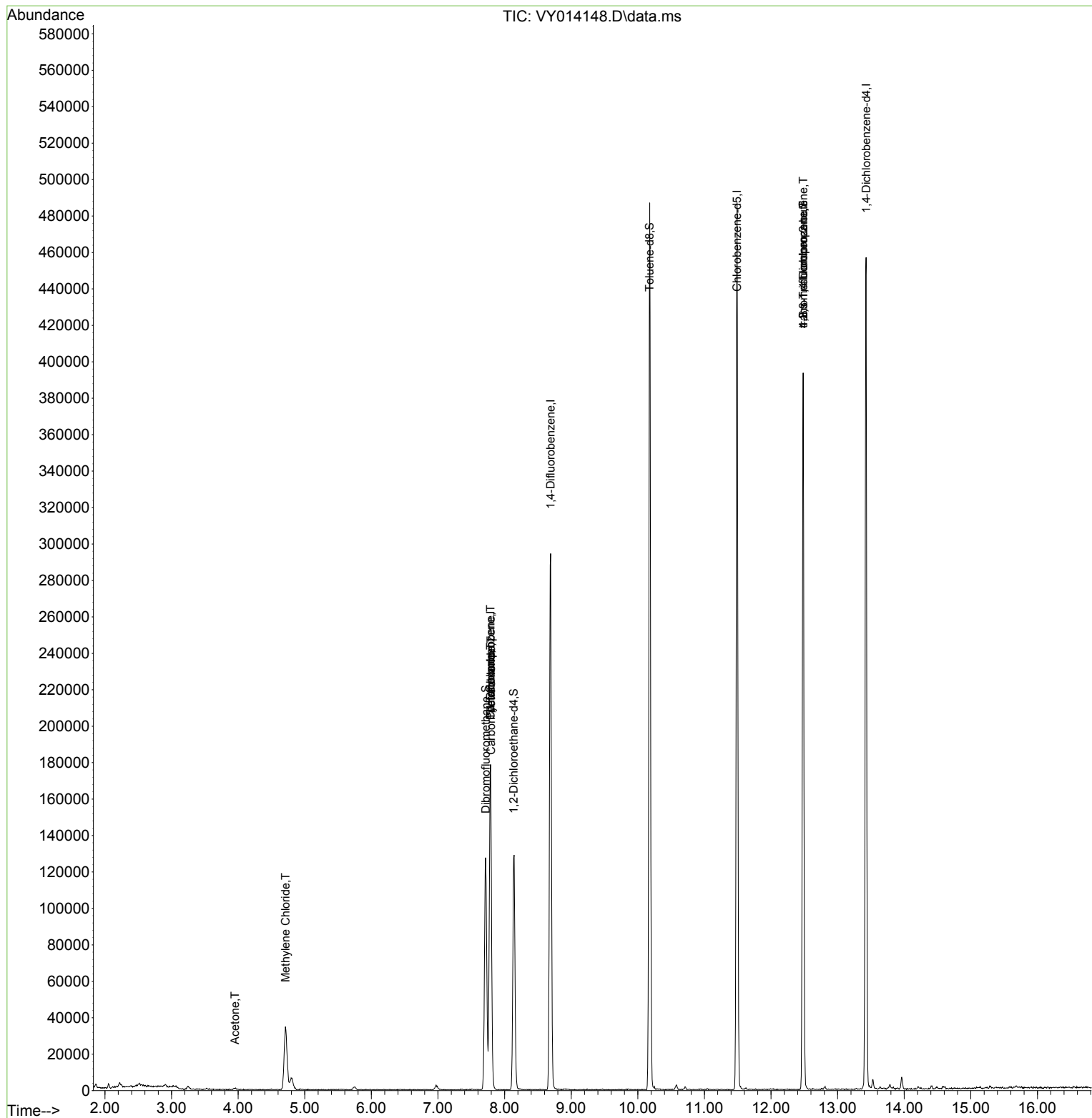
Internal Standards						
1) Pentafluorobenzene	7.789	168	140964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	247584	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	258464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	117259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	107906	54.971	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.940%	
35) Dibromofluoromethane	7.716	113	86637	49.343	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.680%	
50) Toluene-d8	10.179	98	310509	47.303	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.600%	
62) 4-Bromofluorobenzene	12.483	95	106437	45.645	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.300%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.936	59	261	Below Cal	#	89
16) Acetone	3.954	43	1573	2.658	ug/l #	82
20) Methylene Chloride	4.710	84	24996	10.392	ug/l	94
31) Cyclohexane	7.789	56	3240	1.232	ug/l #	18
36) 1,1-Dichloropropene	7.789	75	10683	3.903	ug/l #	51
38) Carbon Tetrachloride	7.795	117	13379	4.235	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	58878	38.272	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	58878	82.729	ug/l #	11

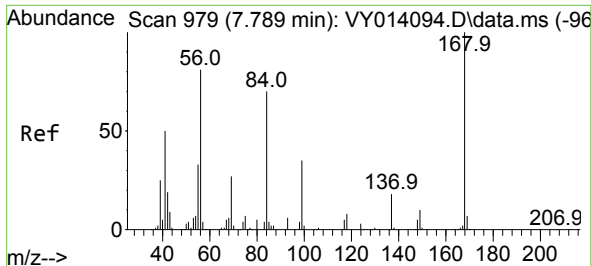
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PNNL-B-0609-1

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Quant Title : SW846 8260
QLast Update : Fri Jun 09 18:07:13 2023
Response via : Initial Calibration

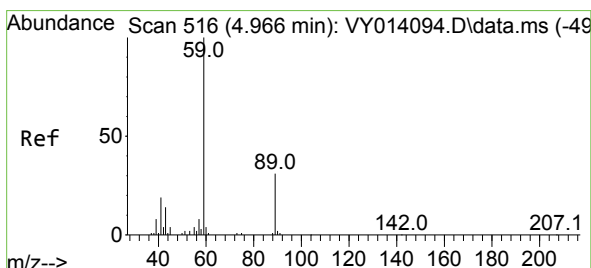
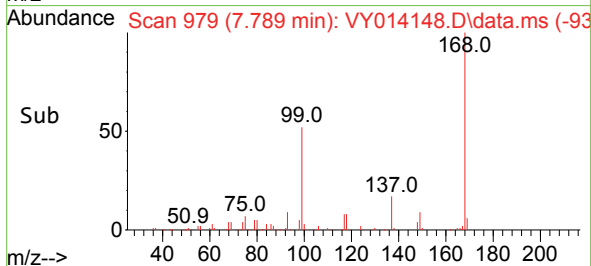
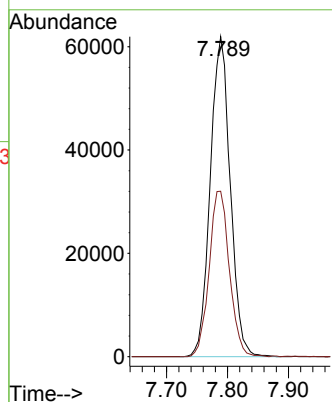
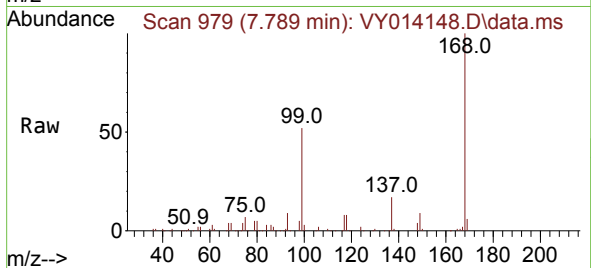




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014148.D
Acq: 13 Jun 2023 18:36

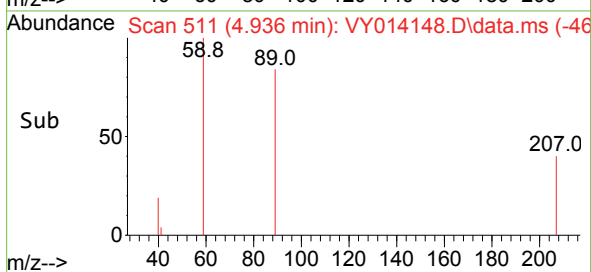
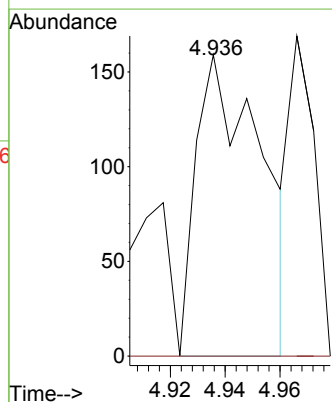
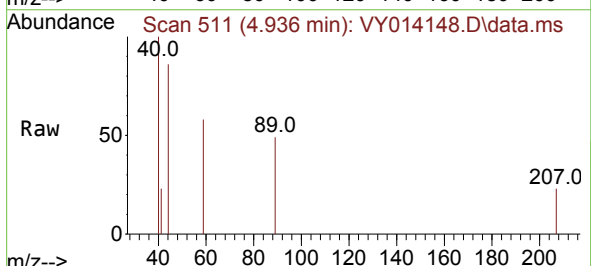
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-B-0609-1

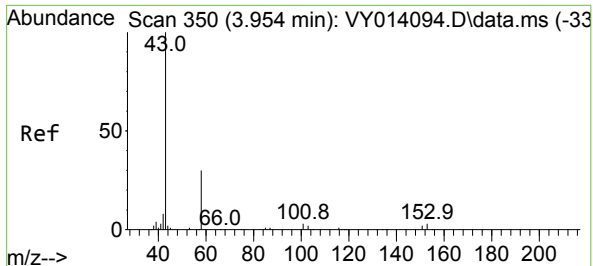
Tgt Ion:168 Resp: 140964
Ion Ratio Lower Upper
168 100
99 51.7 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY014148.D
Acq: 13 Jun 2023 18:36

Tgt Ion: 59 Resp: 261
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 2.658 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY014148.D

Acq: 13 Jun 2023 18:36

Instrument :

MSVOA_Y

ClientSampleId :

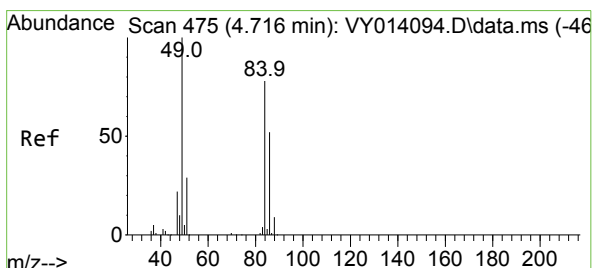
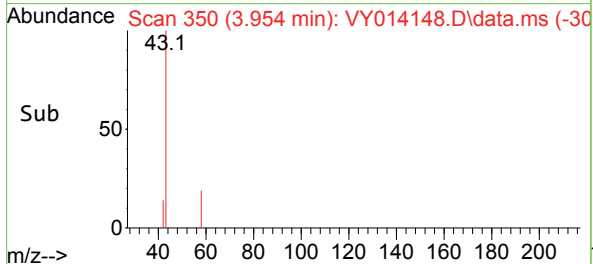
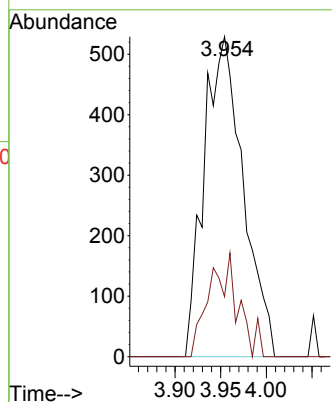
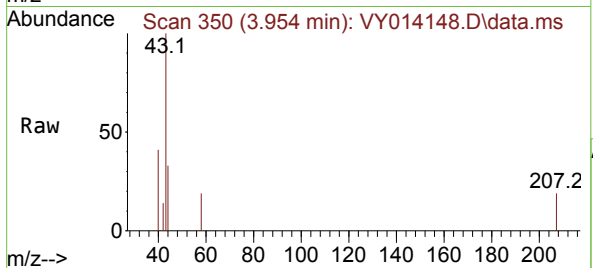
PNNL-B-0609-1

Tgt Ion: 43 Resp: 1573

Ion Ratio Lower Upper

43 100

58 18.7 22.7 34.1#



#20

Methylene Chloride

Concen: 10.392 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014148.D

Acq: 13 Jun 2023 18:36

Tgt Ion: 84 Resp: 24996

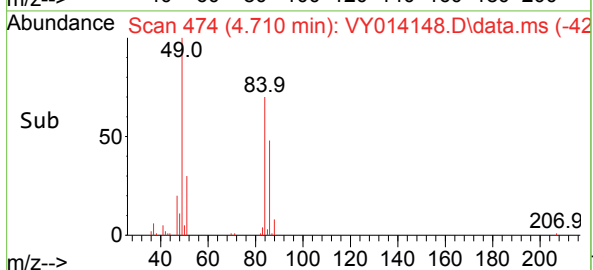
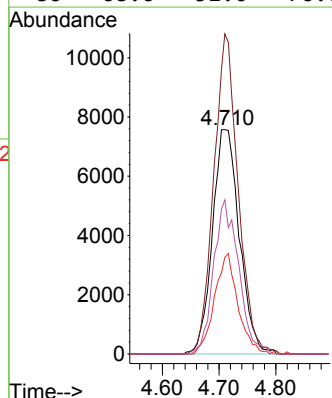
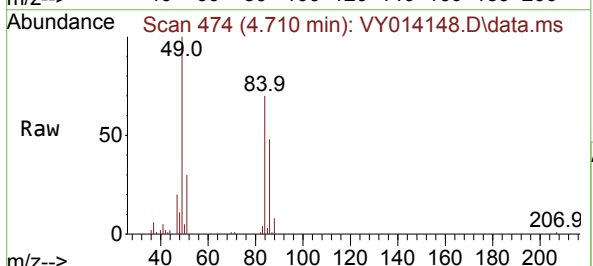
Ion Ratio Lower Upper

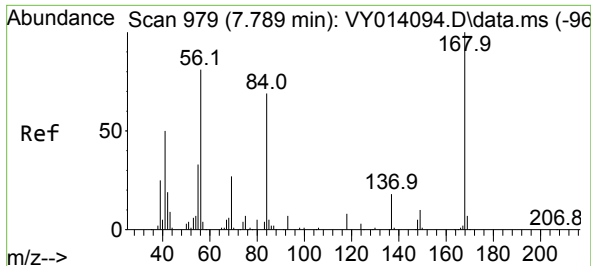
84 100

49 142.6 106.9 160.3

51 43.1 33.2 49.8

86 68.6 51.0 76.6

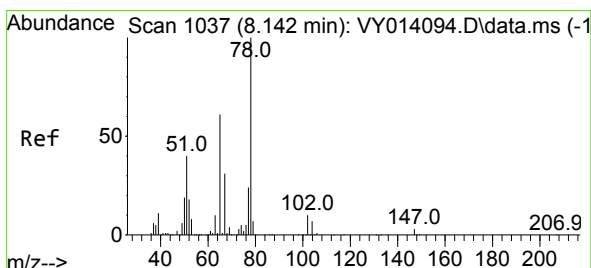
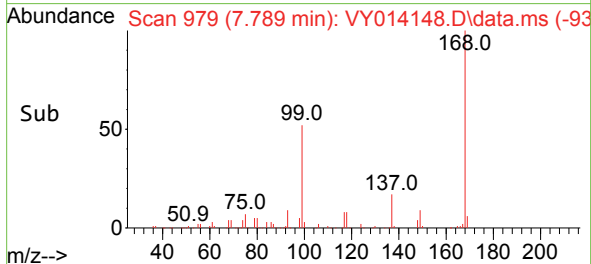
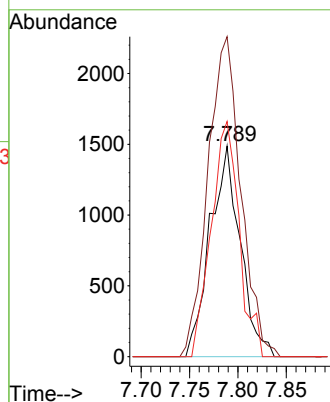
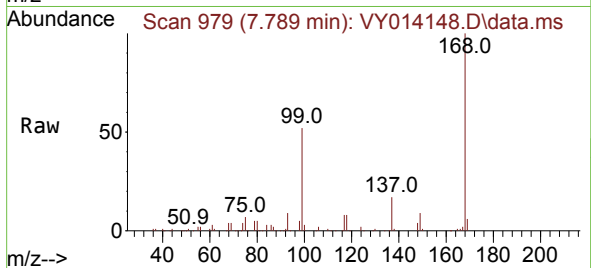




#31
Cyclohexane
Concen: 1.232 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014148.D
Acq: 13 Jun 2023 18:36

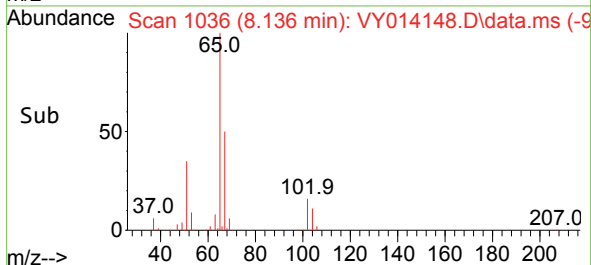
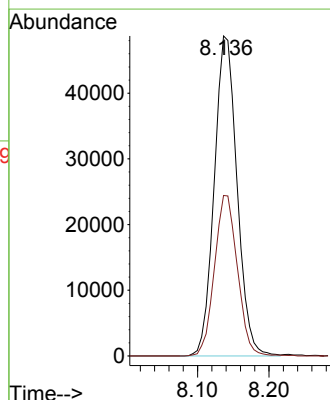
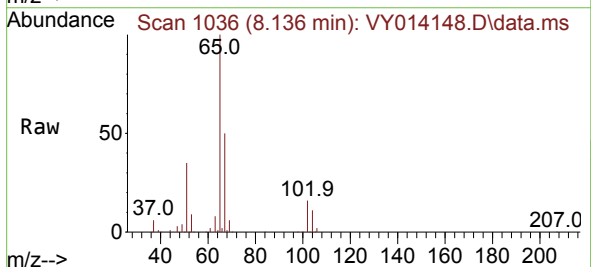
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-B-0609-1

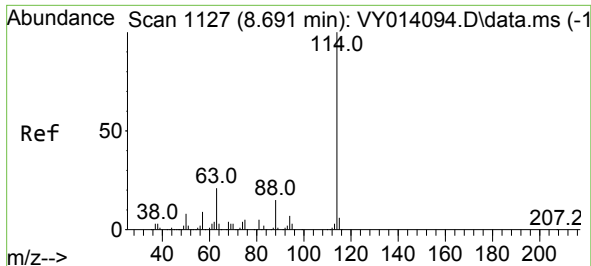
Tgt Ion: 56 Resp: 3240
Ion Ratio Lower Upper
56 100
69 152.0 27.8 41.6#
84 111.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.971 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014148.D
Acq: 13 Jun 2023 18:36

Tgt Ion: 65 Resp: 107906
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.8

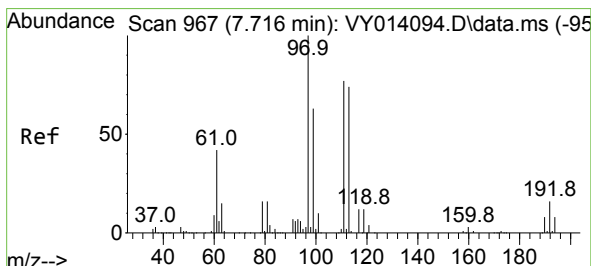
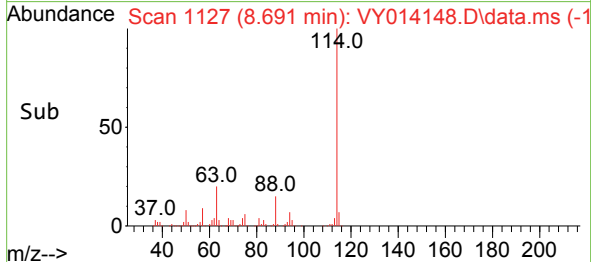
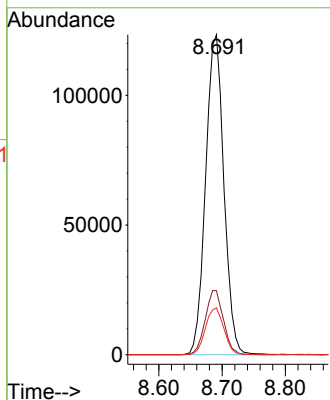
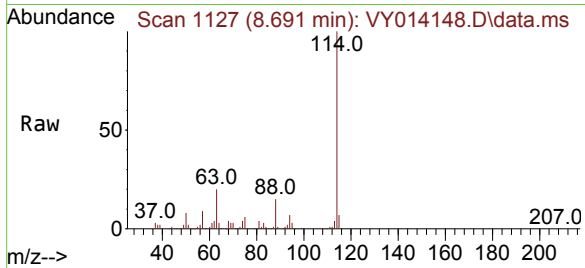




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014148.D
Acq: 13 Jun 2023 18:36

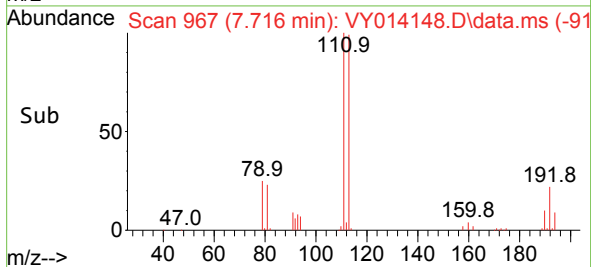
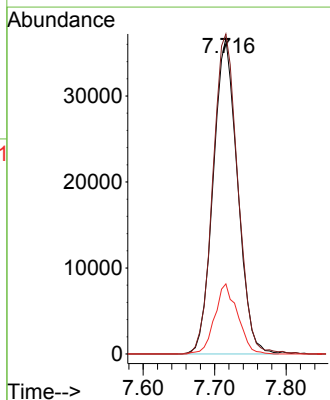
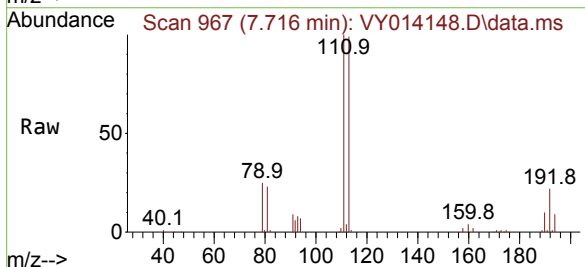
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-B-0609-1

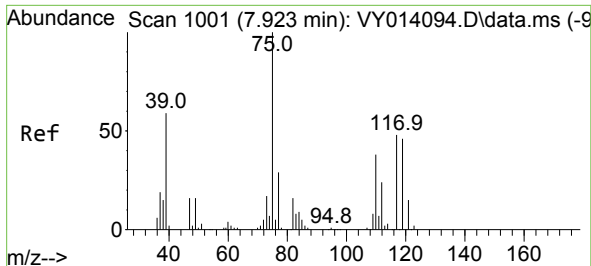
Tgt Ion:114 Resp: 247584
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.4
88 14.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.343 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014148.D
Acq: 13 Jun 2023 18:36

Tgt Ion:113 Resp: 86637
Ion Ratio Lower Upper
113 100
111 103.5 81.3 121.9
192 20.9 16.9 25.3

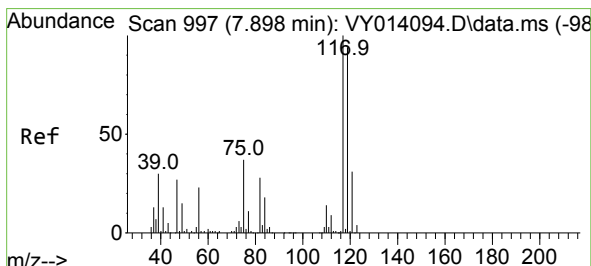
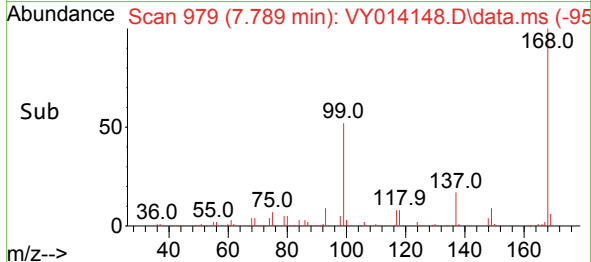
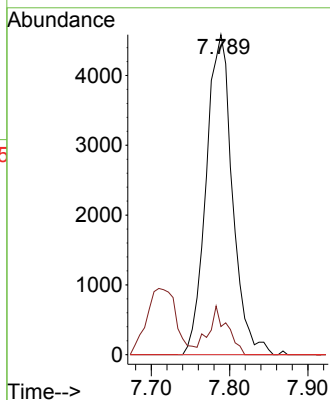
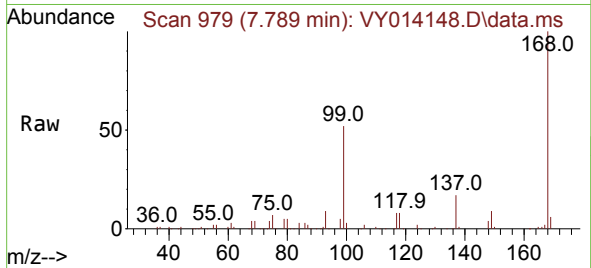




#36
 1,1-Dichloropropene
 Concen: 3.903 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY014148.D
 Acq: 13 Jun 2023 18:36

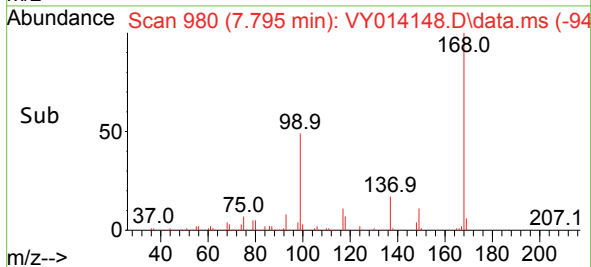
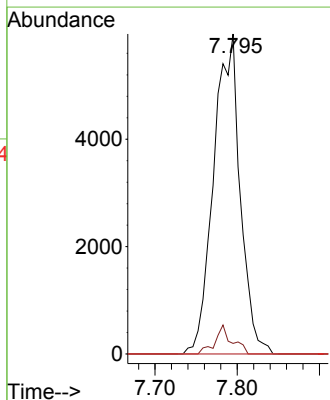
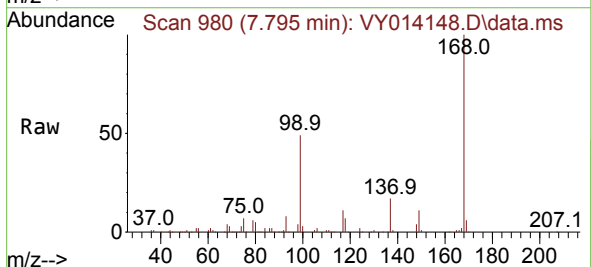
Instrument :
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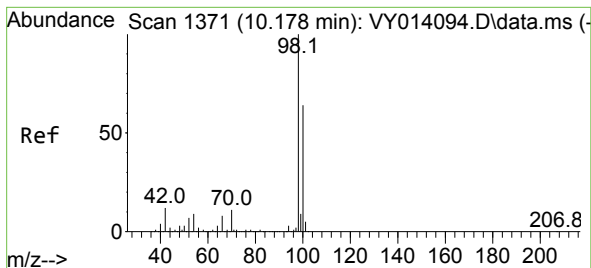
Tgt Ion: 75 Resp: 10683
 Ion Ratio Lower Upper
 75 100
 110 10.6 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.235 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.103 min
 Lab File: VY014148.D
 Acq: 13 Jun 2023 18:36

Tgt Ion: 117 Resp: 13379
 Ion Ratio Lower Upper
 117 100
 119 3.3 76.4 114.6#
 121 0.0 25.8 38.6#

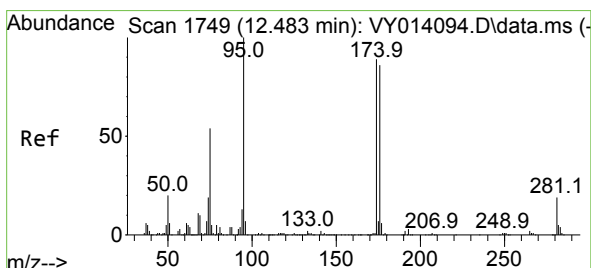
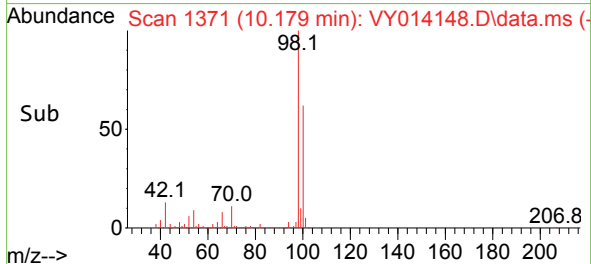
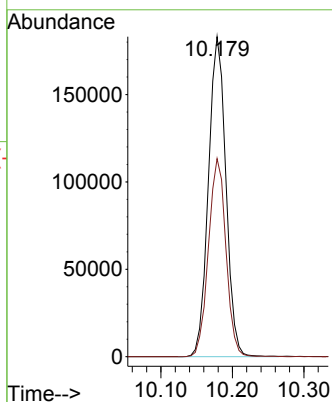
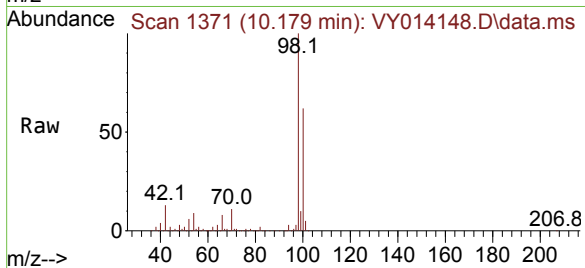




#50
Toluene-d8
Concen: 47.303 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014148.D
Acq: 13 Jun 2023 18:36

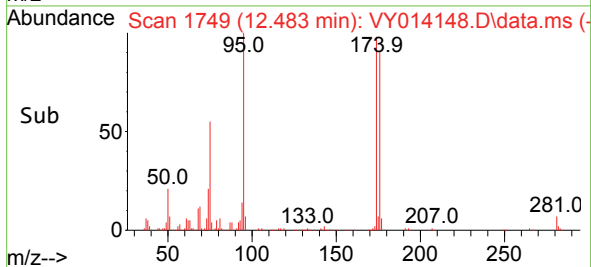
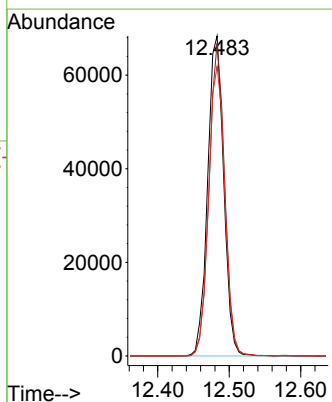
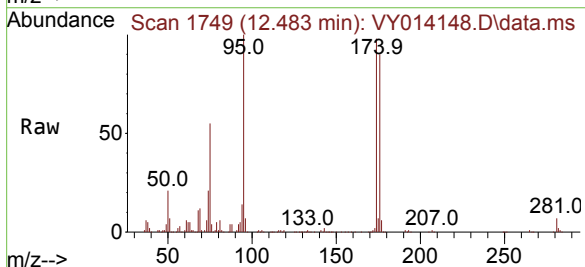
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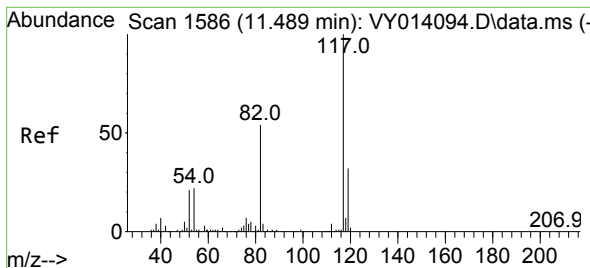
Tgt Ion: 98 Resp: 310509
Ion Ratio Lower Upper
98 100
100 62.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 45.645 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014148.D
Acq: 13 Jun 2023 18:36

Tgt Ion: 95 Resp: 106437
Ion Ratio Lower Upper
95 100
174 95.1 0.0 178.2
176 92.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014148.D

Acq: 13 Jun 2023 18:36

Instrument :

MSVOA_Y

ClientSampleId :

PNNL-B-0609-1

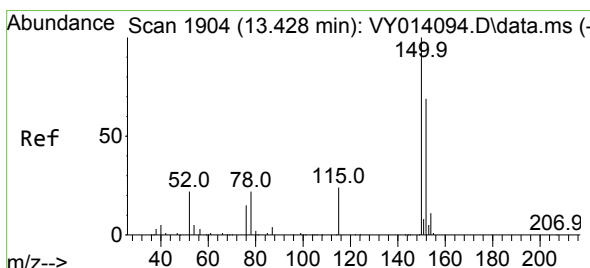
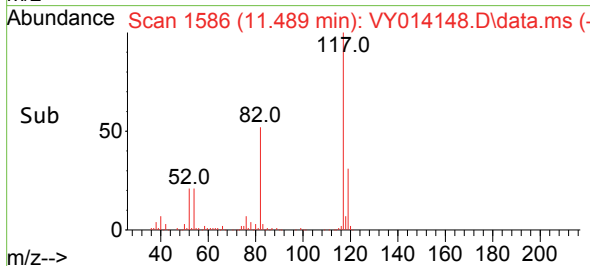
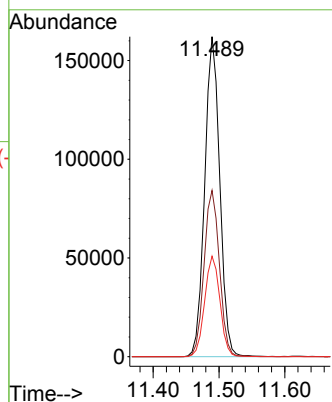
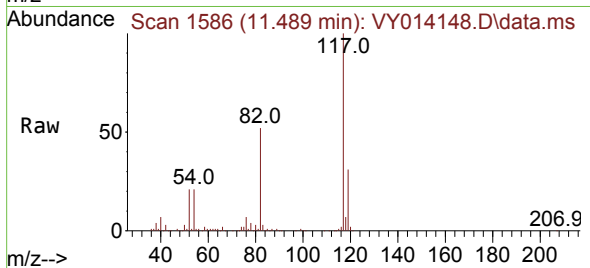
Tgt Ion:117 Resp: 258464

Ion Ratio Lower Upper

117 100

82 51.9 43.4 65.0

119 31.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014148.D

Acq: 13 Jun 2023 18:36

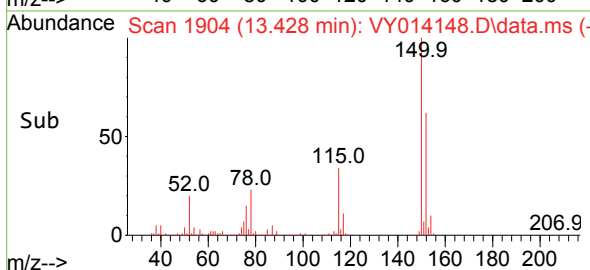
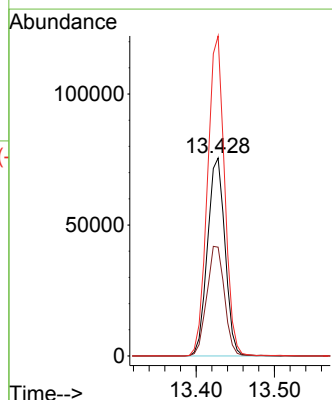
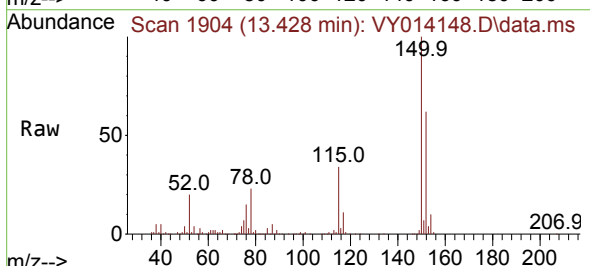
Tgt Ion:152 Resp: 117259

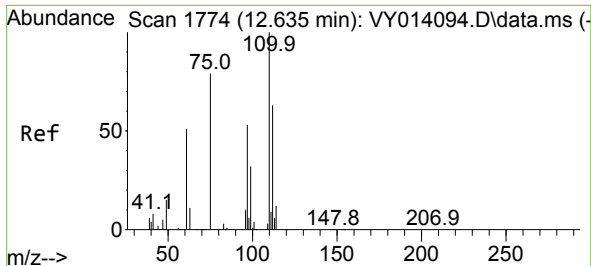
Ion Ratio Lower Upper

152 100

115 56.0 28.8 86.5

150 158.2 0.0 348.8

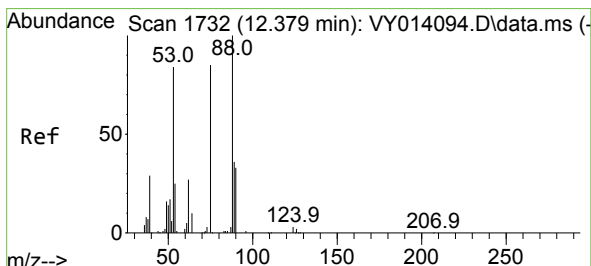
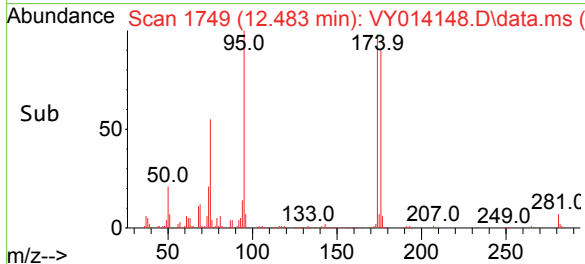
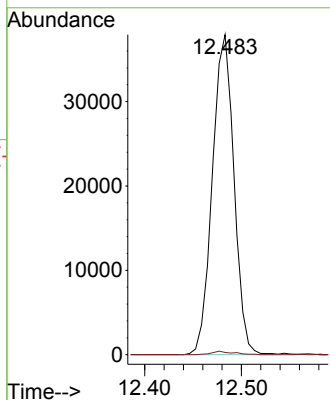
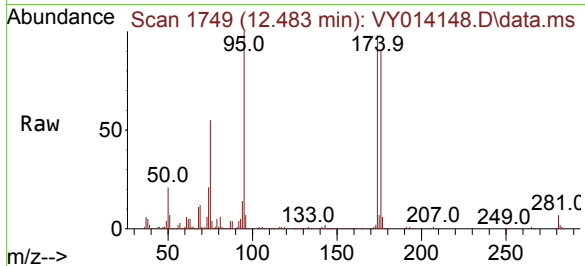




#76
1,2,3-Trichloropropane
Concen: 38.272 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014148.D
Acq: 13 Jun 2023 18:36

Instrument :
MSVOA_Y
ClientSampleId :
PNNL-B-0609-1

Tgt Ion: 75 Resp: 58878
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.729 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014148.D
Acq: 13 Jun 2023 18:36

Tgt Ion: 75 Resp: 58878
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.1 37.4 56.0#

