

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063023\
 Data File : VY014522.D
 Acq On : 30 Jun 2023 17:53
 Operator : KP/MD
 Sample : 03428-03RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PNNL-APM-0621-2

Quant Time: Jun 30 23:19:57 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)

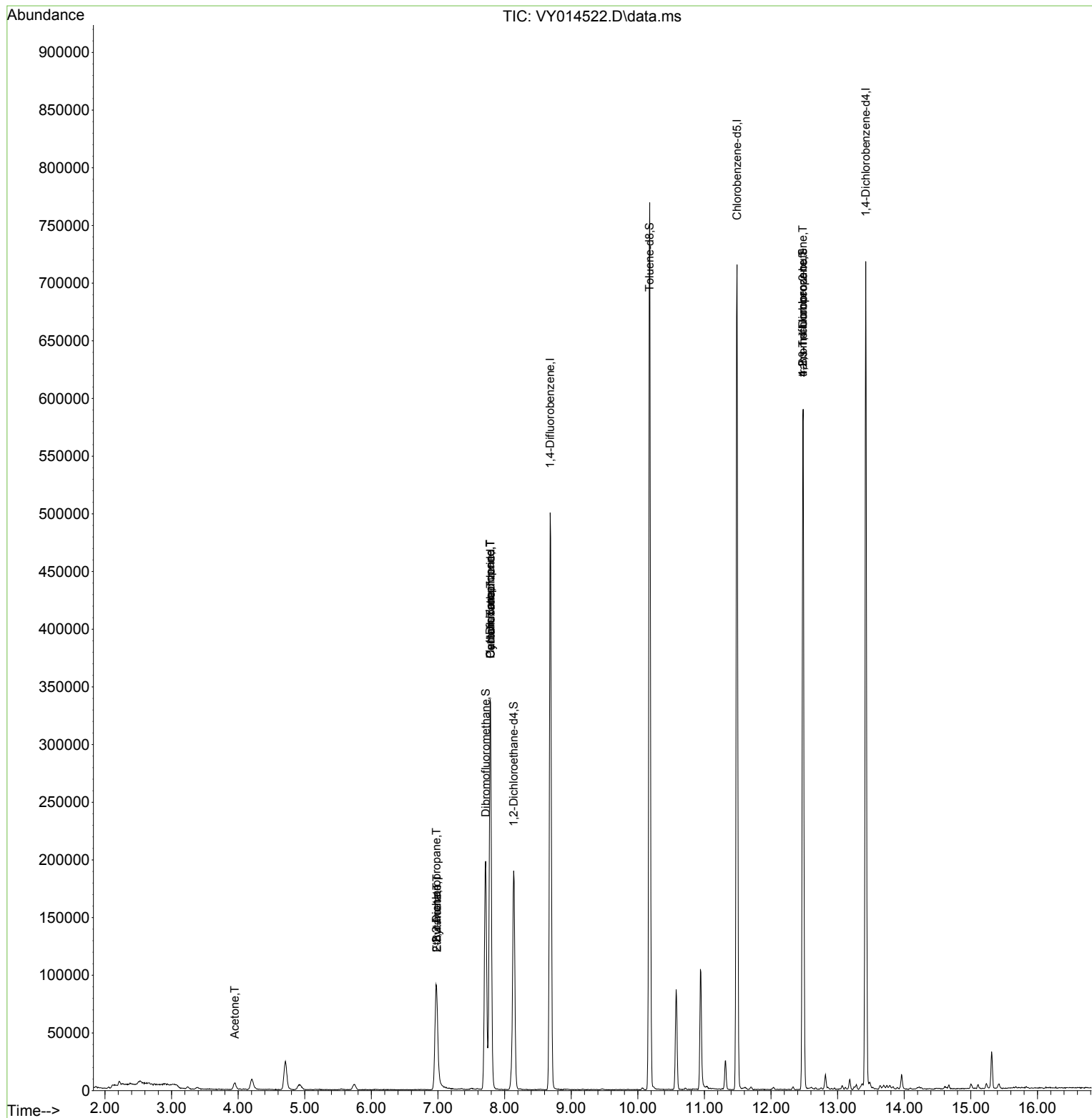
Internal Standards						
1) Pentafluorobenzene	7.789	168	289964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	448093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	426064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	198842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	147694	51.202	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.400%	
35) Dibromofluoromethane	7.715	113	142151	51.515	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.040%	
50) Toluene-d8	10.178	98	524847	48.115	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.240%	
62) 4-Bromofluorobenzene	12.477	95	170161	44.924	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.840%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	182	Below Cal	#	43
11) Tert butyl alcohol	4.929	59	5444	Below Cal	#	89
13) Acrolein	3.728	56	86	Below Cal	#	55
16) Acetone	3.948	43	10434	11.583	ug/l	94
25) 2-Butanone	6.984	43	4730	3.546	ug/l #	72
26) 2,2-Dichloropropane	6.978	77	7069	1.564	ug/l #	54
31) Cyclohexane	7.789	56	4648	1.027	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	18275	4.325	ug/l #	50
37) Ethyl Acetate	6.984	43	4730	1.632	ug/l #	71
38) Carbon Tetrachloride	7.789	117	24260	5.500	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	80273	34.403	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	80273	66.962	ug/l #	11

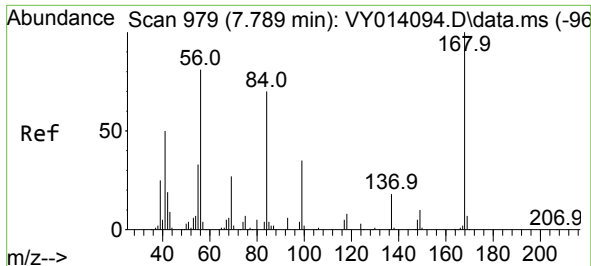
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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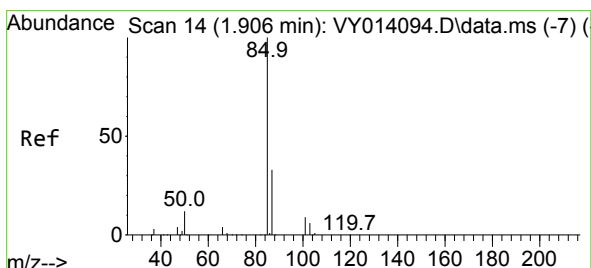
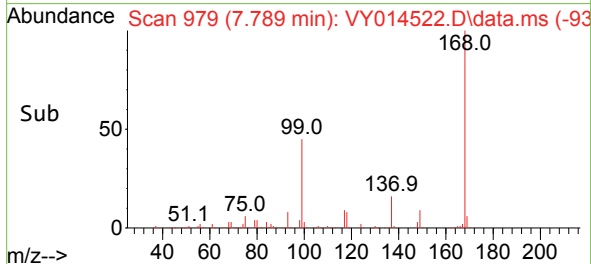
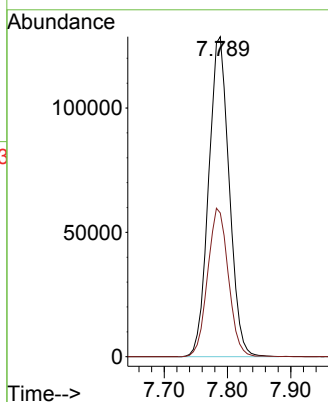
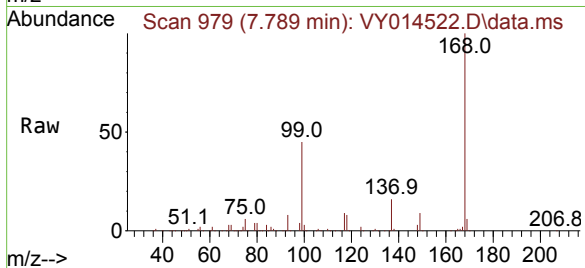




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014522.D
Acq: 30 Jun 2023 17:53

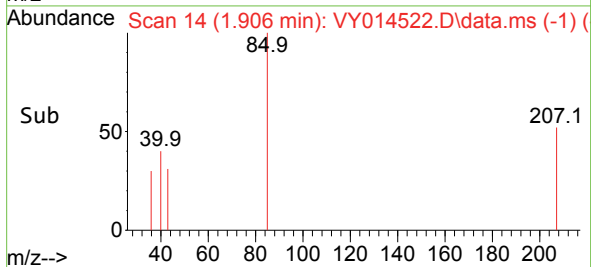
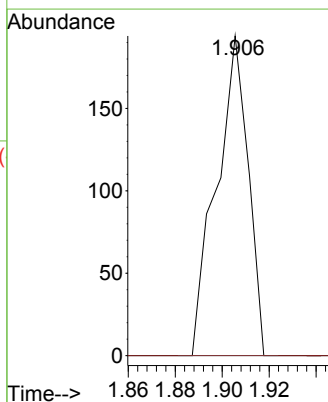
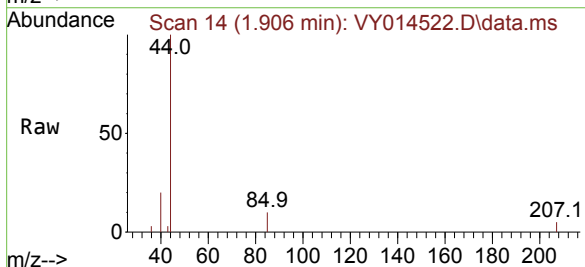
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM-0621-2

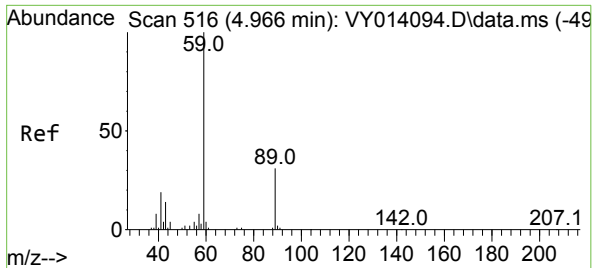
Tgt Ion:168 Resp: 289964
Ion Ratio Lower Upper
168 100
99 44.9 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY014522.D
Acq: 30 Jun 2023 17:53

Tgt Ion: 85 Resp: 182
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

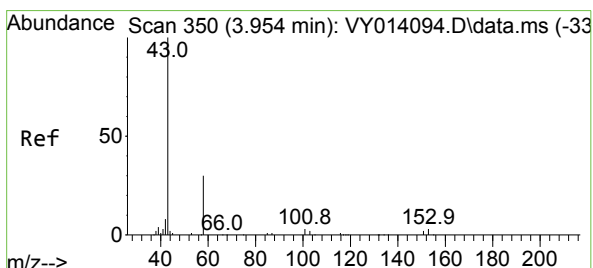
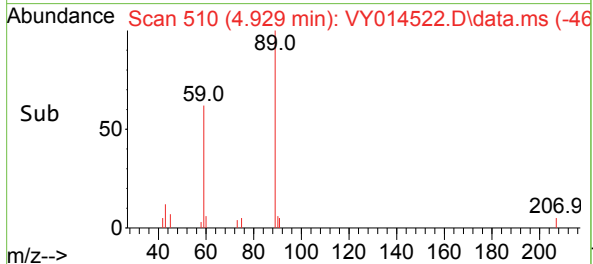
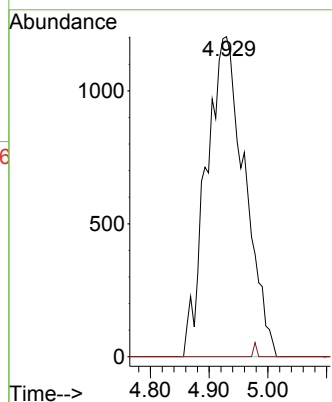
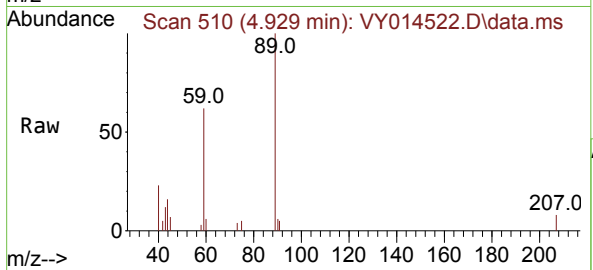




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.929 min Scan# 516
Delta R.T. -0.037 min
Lab File: VY014522.D
Acq: 30 Jun 2023 17:53

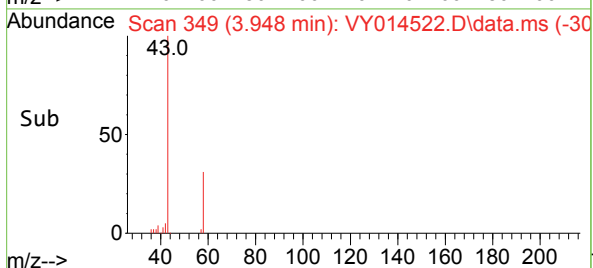
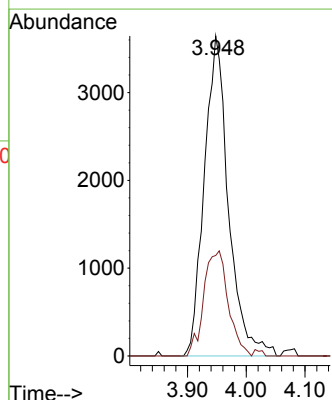
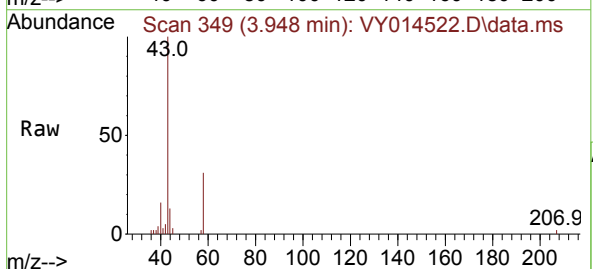
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM-0621-2

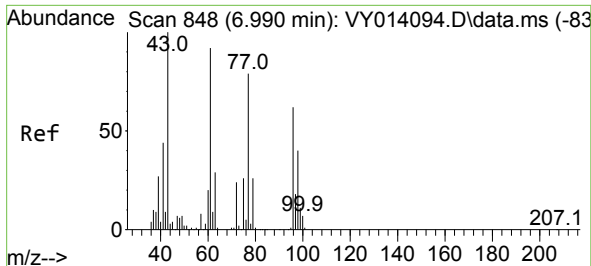
Tgt Ion: 59 Resp: 5444
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 11.583 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014522.D
Acq: 30 Jun 2023 17:53

Tgt Ion: 43 Resp: 10434
Ion Ratio Lower Upper
43 100
58 31.4 22.7 34.1

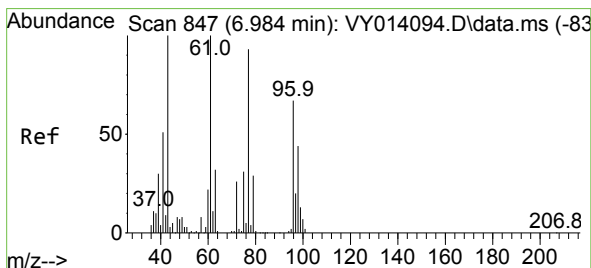
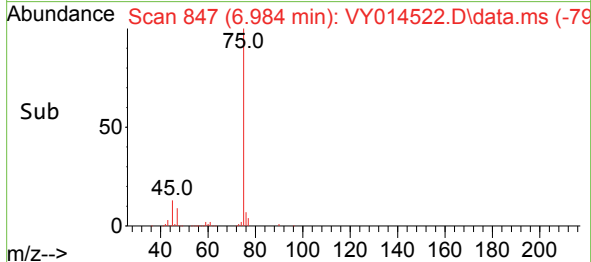
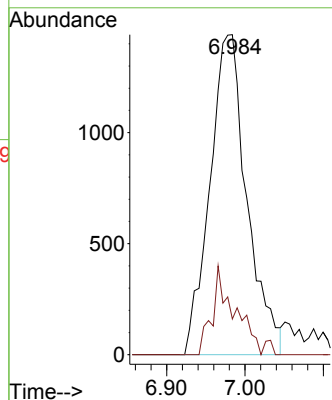
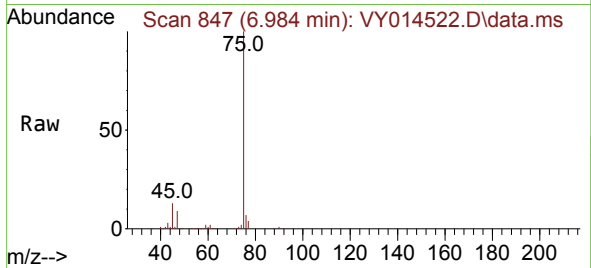




#25
2-Butanone
Concen: 3.546 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014522.D
Acq: 30 Jun 2023 17:53

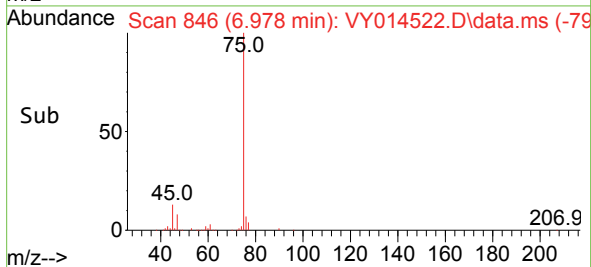
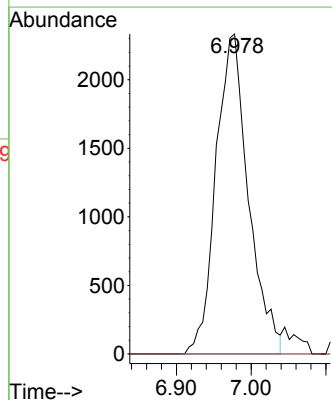
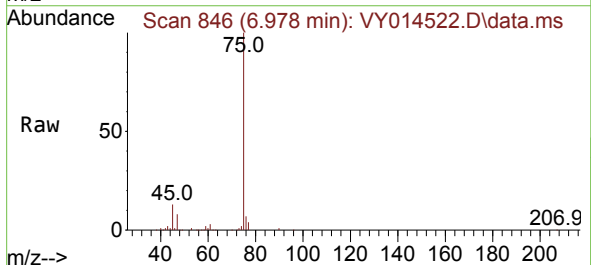
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM-0621-2

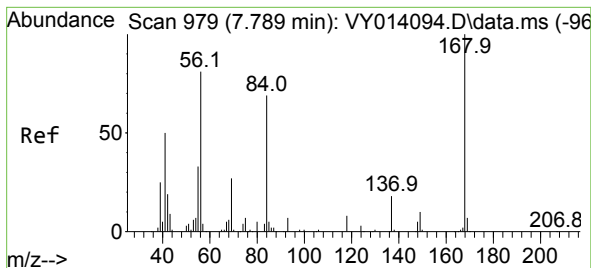
Tgt Ion: 43 Resp: 4730
Ion Ratio Lower Upper
43 100
72 11.2 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.564 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014522.D
Acq: 30 Jun 2023 17:53

Tgt Ion: 77 Resp: 7069
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#31

Cyclohexane

Concen: 1.027 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY014522.D

Acq: 30 Jun 2023 17:53

Instrument :

MSVOA_Y

ClientSampleId :

PNNL-APM-0621-2

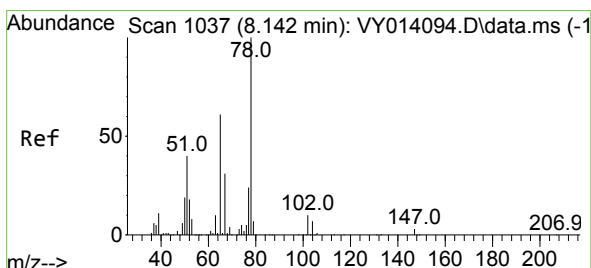
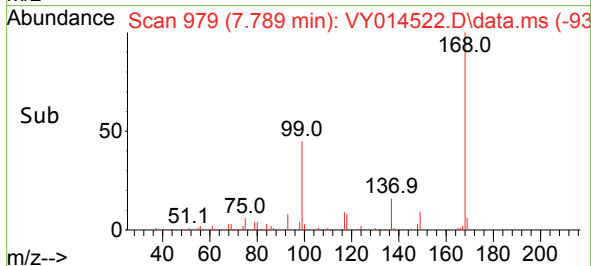
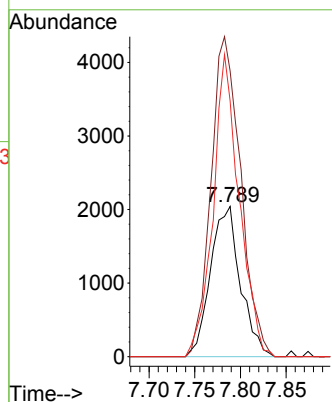
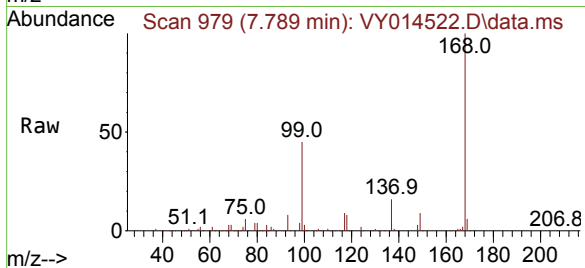
Tgt Ion: 56 Resp: 4648

Ion Ratio Lower Upper

56 100

69 190.3 27.8 41.6#

84 182.5 66.4 99.6#



#33

1,2-Dichloroethane-d4

Concen: 51.202 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014522.D

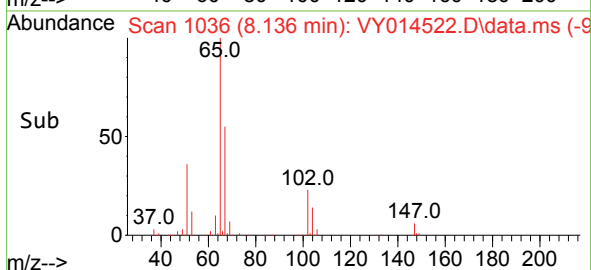
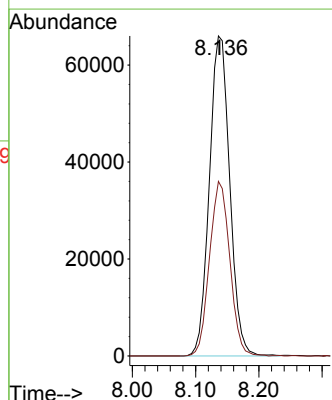
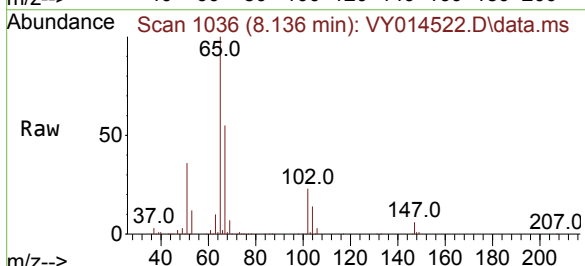
Acq: 30 Jun 2023 17:53

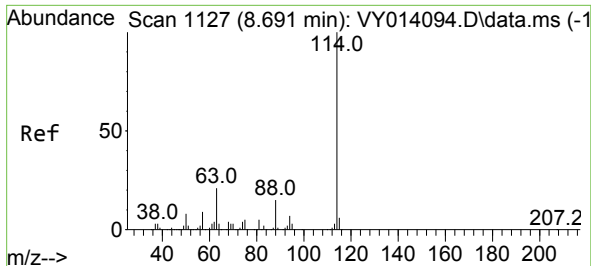
Tgt Ion: 65 Resp: 147694

Ion Ratio Lower Upper

65 100

67 54.3 0.0 101.8

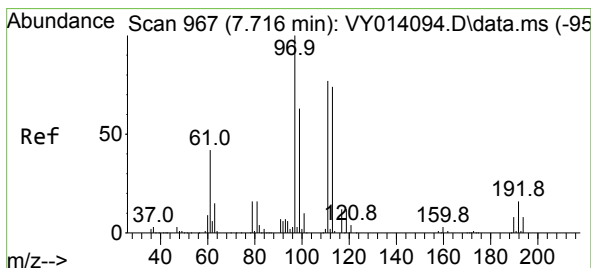
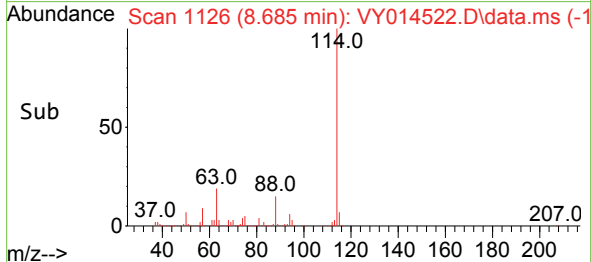
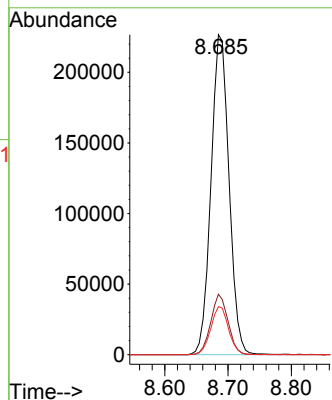
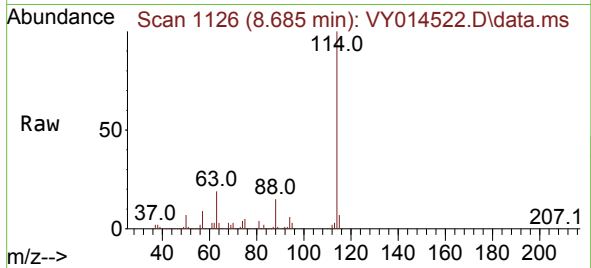




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY014522.D
Acq: 30 Jun 2023 17:53

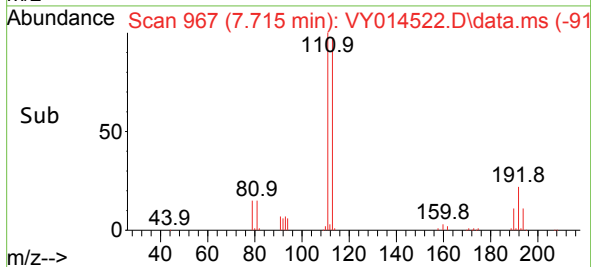
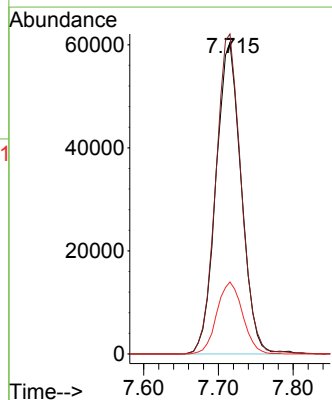
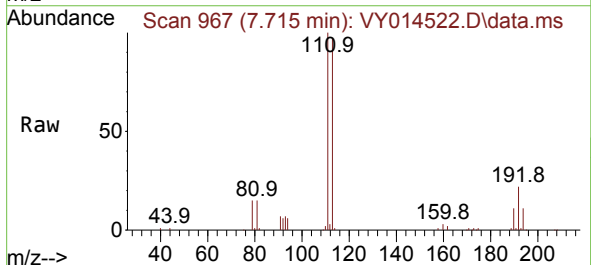
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM-0621-2

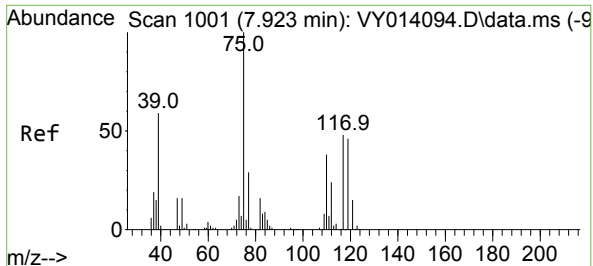
Tgt Ion:114 Resp: 448093
Ion Ratio Lower Upper
114 100
63 18.9 0.0 42.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.515 ug/l
RT: 7.715 min Scan# 967
Delta R.T. -0.001 min
Lab File: VY014522.D
Acq: 30 Jun 2023 17:53

Tgt Ion:113 Resp: 142151
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 23.6 16.9 25.3

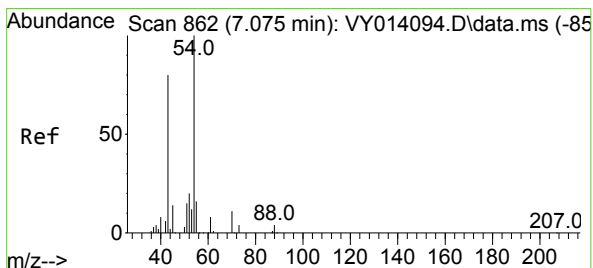
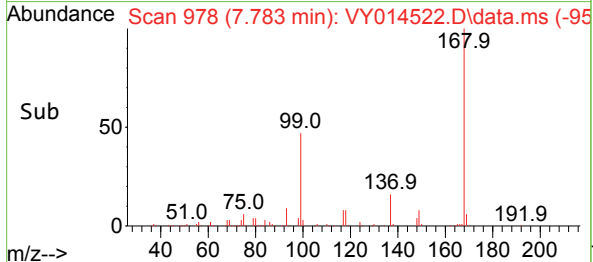
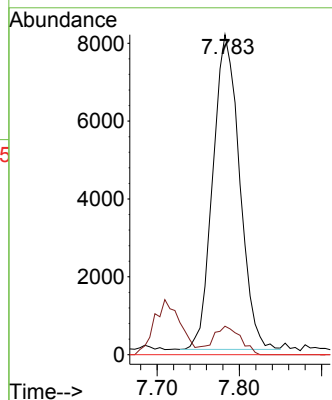
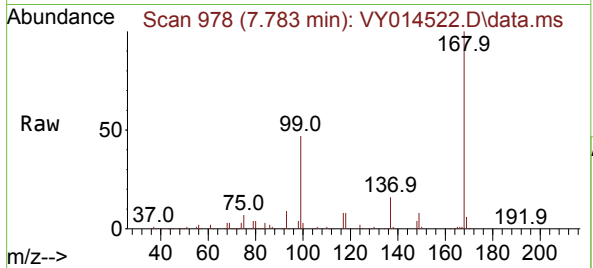




#36
1,1-Dichloropropene
Concen: 4.325 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014522.D
Acq: 30 Jun 2023 17:53

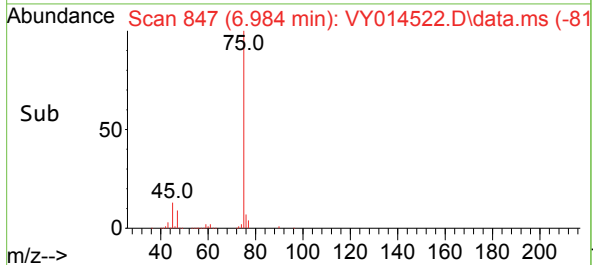
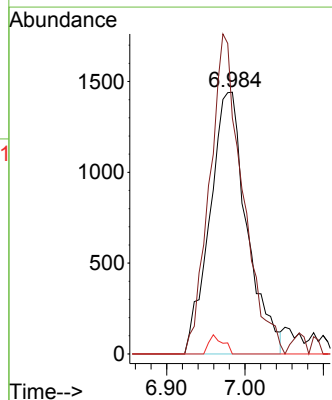
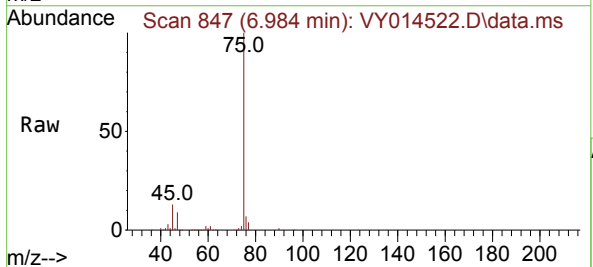
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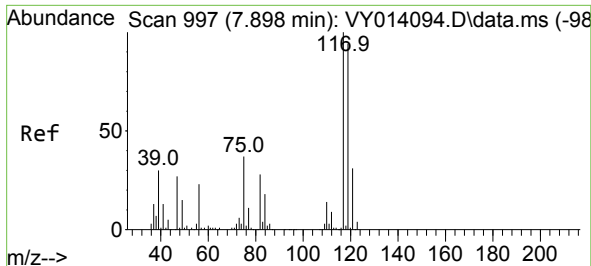
Tgt Ion: 75 Resp: 18275
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.632 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.091 min
Lab File: VY014522.D
Acq: 30 Jun 2023 17:53

Tgt Ion: 43 Resp: 4730
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#

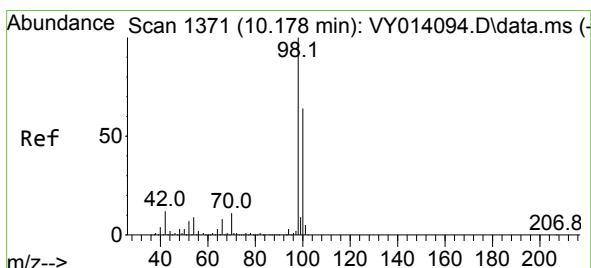
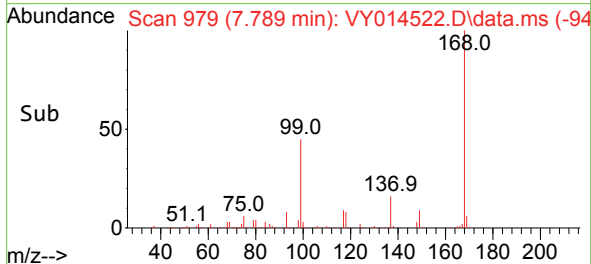
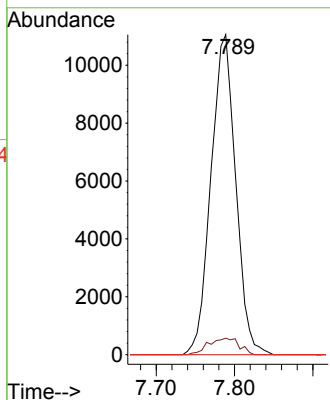
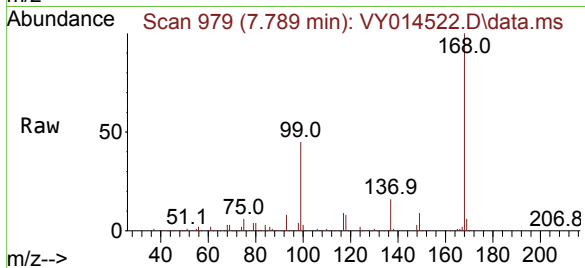




#38
Carbon Tetrachloride
Concen: 5.500 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014522.D
Acq: 30 Jun 2023 17:53

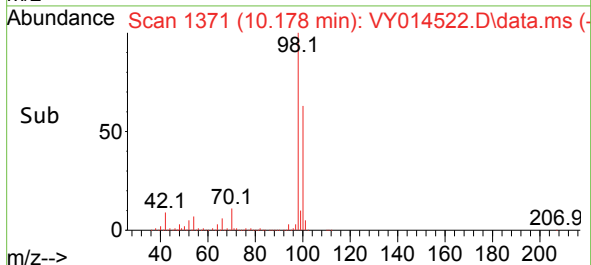
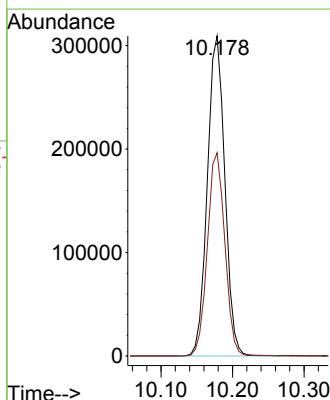
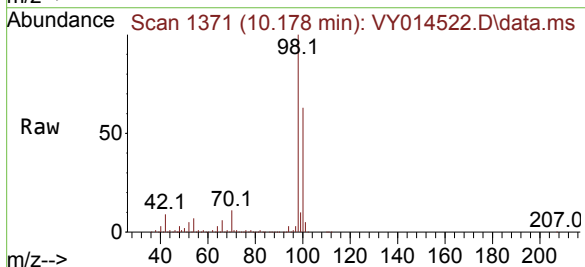
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM-0621-2

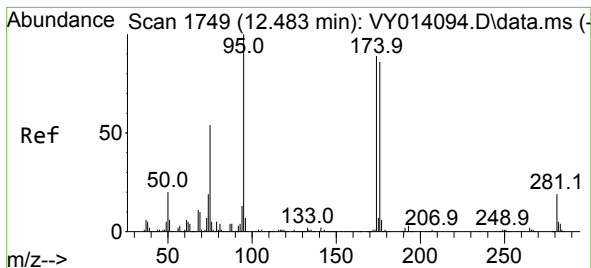
Tgt Ion:117 Resp: 24260
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.115 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY014522.D
Acq: 30 Jun 2023 17:53

Tgt Ion: 98 Resp: 524847
Ion Ratio Lower Upper
98 100
100 63.5 50.1 75.1

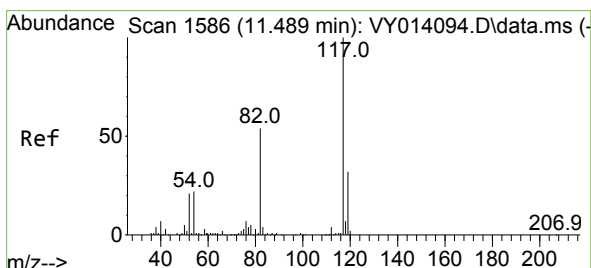
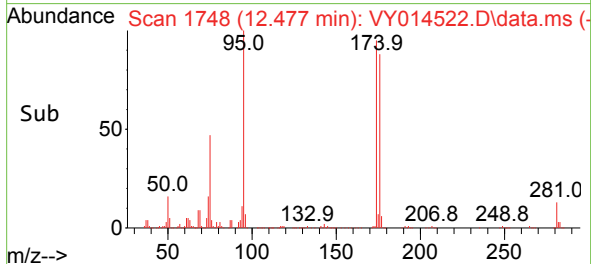
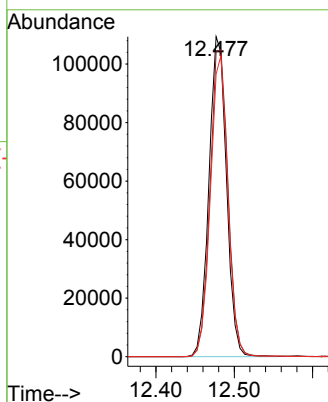
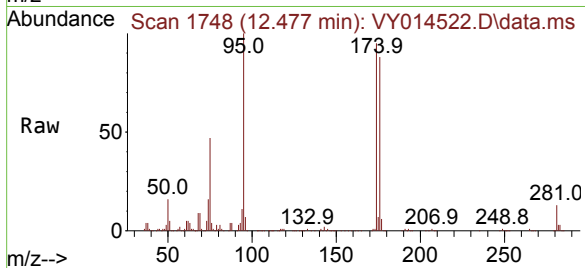




#62
4-Bromofluorobenzene
Concen: 44.924 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014522.D
Acq: 30 Jun 2023 17:53

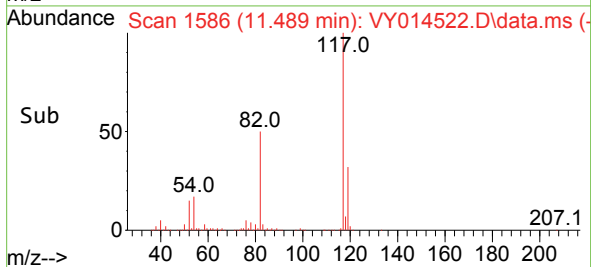
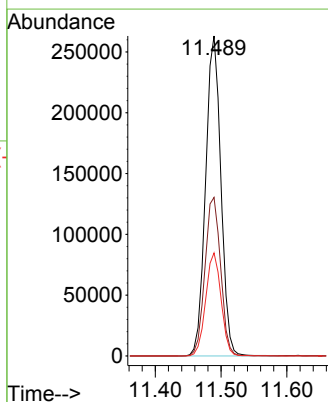
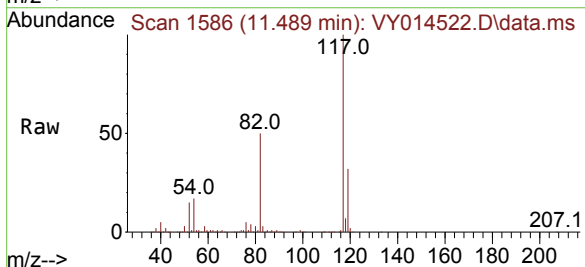
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM-0621-2

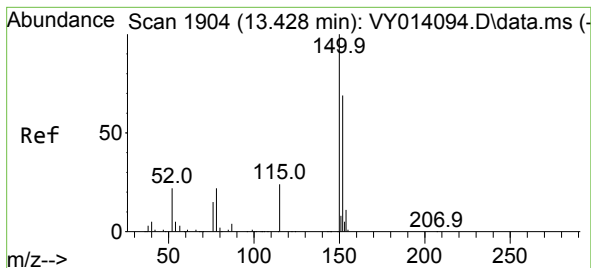
Tgt Ion: 95 Resp: 170161
Ion Ratio Lower Upper
95 100
174 98.8 0.0 178.2
176 93.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014522.D
Acq: 30 Jun 2023 17:53

Tgt Ion: 117 Resp: 426064
Ion Ratio Lower Upper
117 100
82 49.5 43.4 65.0
119 32.2 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: VY014522.D

Acq: 30 Jun 2023 17:53

Instrument :

MSVOA_Y

ClientSampleId :

PNNL-APM-0621-2

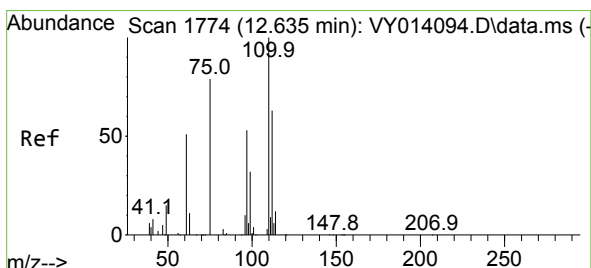
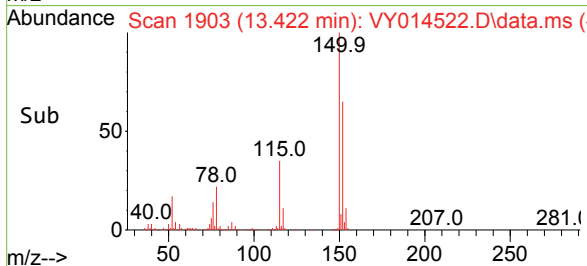
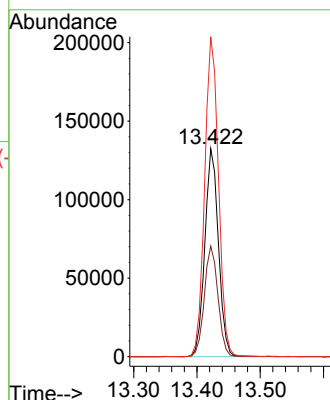
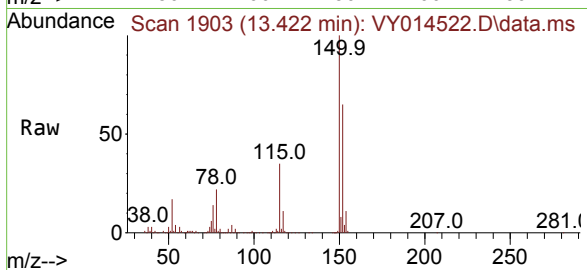
Tgt Ion:152 Resp: 198842

Ion Ratio Lower Upper

152 100

115 53.2 28.8 86.5

150 155.9 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 34.403 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014522.D

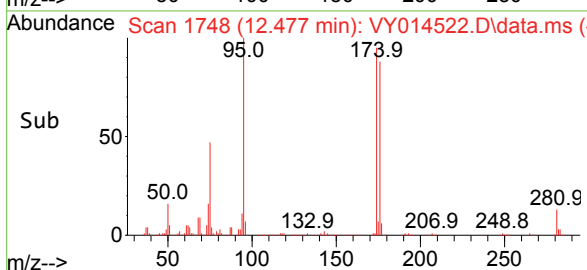
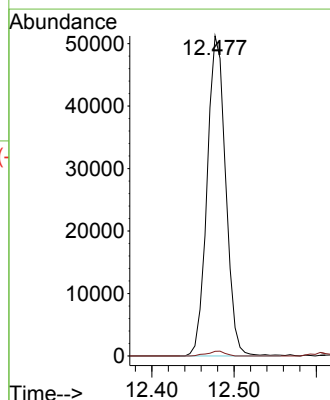
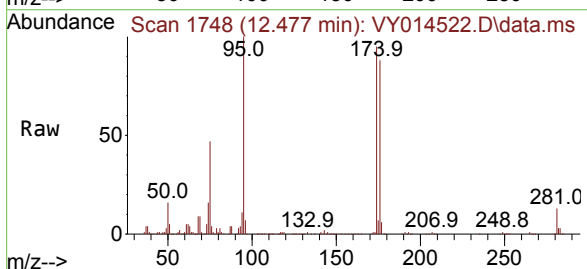
Acq: 30 Jun 2023 17:53

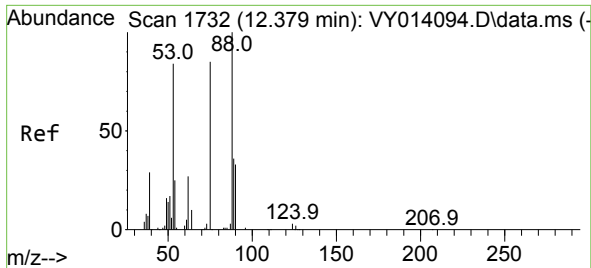
Tgt Ion: 75 Resp: 80273

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.962 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014522.D
 Acq: 30 Jun 2023 17:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 PNNL-APM-0621-2

Tgt Ion: 75 Resp: 80273
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 37.4 56.0#

