

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062723\
 Data File : VY014467.D
 Acq On : 27 Jun 2023 18:43
 Operator : KP/MD
 Sample : 03328-03
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jun 28 02:28:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

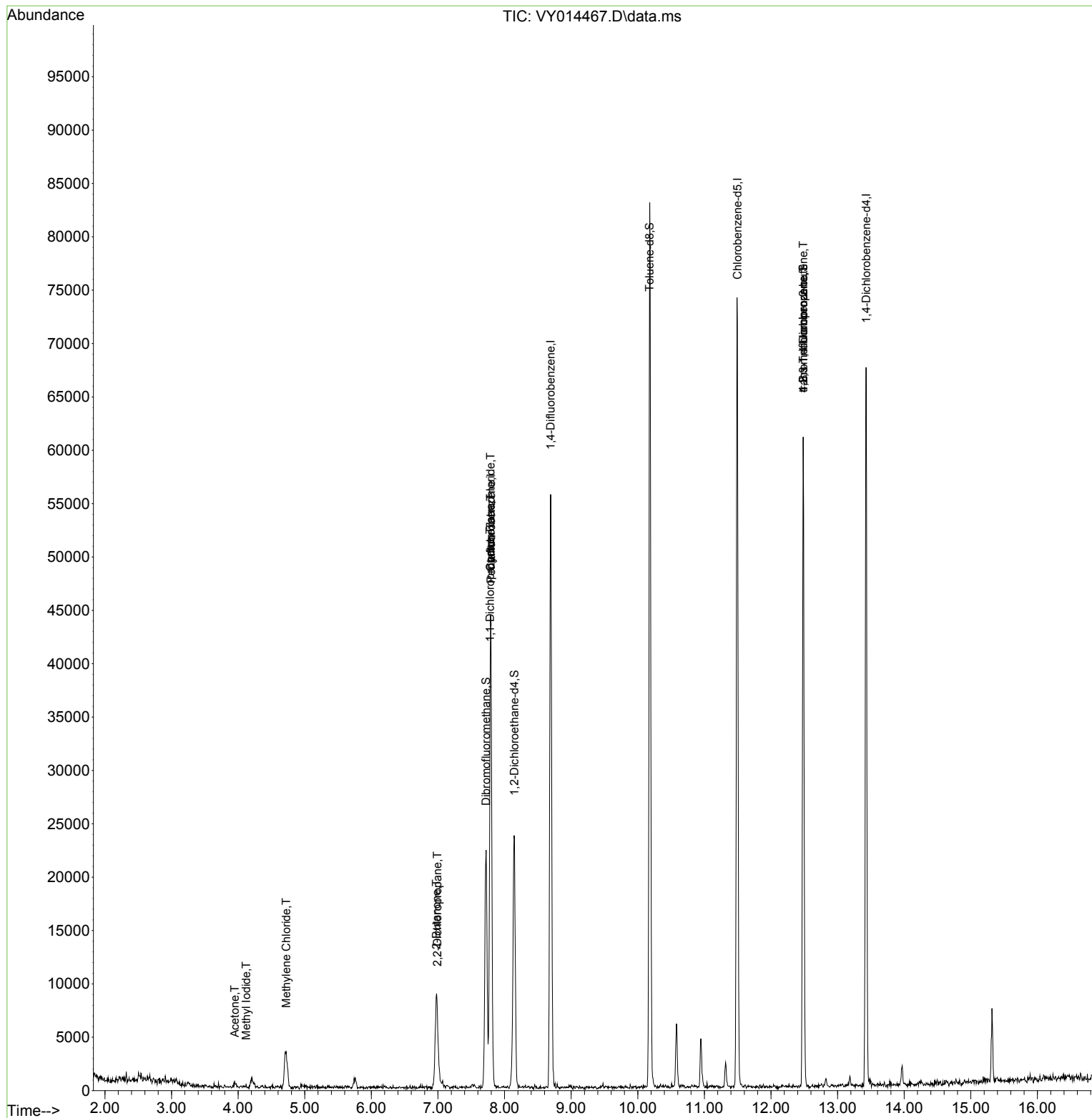
Internal Standards						
1) Pentafluorobenzene	7.795	168	35872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	49027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	42210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	19001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	20790	46.679	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.360%
35) Dibromofluoromethane	7.722	113	15178	50.109	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.220%
50) Toluene-d8	10.179	98	56436	46.871	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.740%
62) 4-Bromofluorobenzene	12.483	95	15569	36.219	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.440%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.119	142	25	2.928	ug/l #	38
11) Tert butyl alcohol	4.954	59	91	Below Cal	#	89
16) Acetone	3.948	43	885	6.315	ug/l #	46
20) Methylene Chloride	4.723	84	2959	1.973	ug/l #	77
25) 2-Butanone	6.978	43	281	1.610	ug/l #	49
26) 2,2-Dichloropropane	6.990	77	697	1.058	ug/l #	54
31) Cyclohexane	7.789	56	735	1.336	ug/l #	56
36) 1,1-Dichloropropene	7.783	75	2319	4.968	ug/l #	47
38) Carbon Tetrachloride	7.789	117	3329	5.667	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	8799	36.916	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	8799	84.045	ug/l #	10

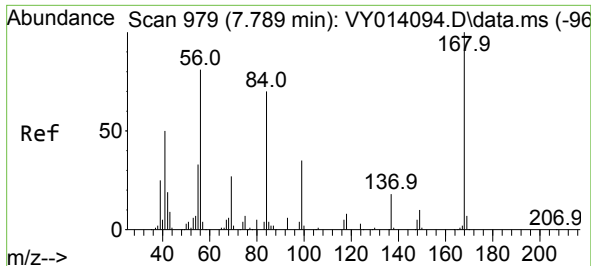
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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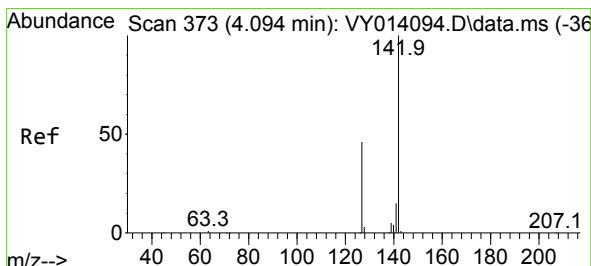
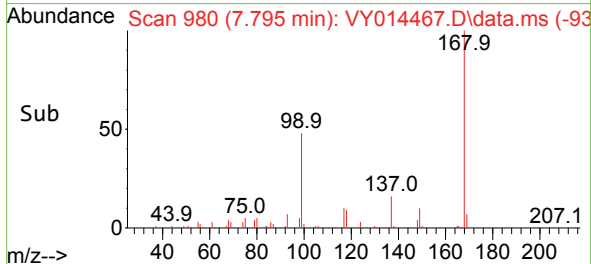
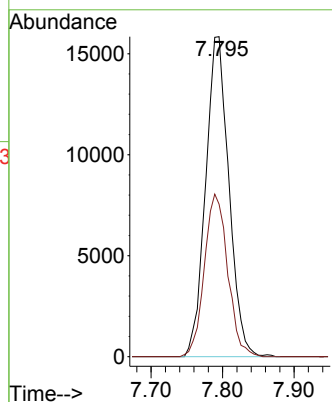
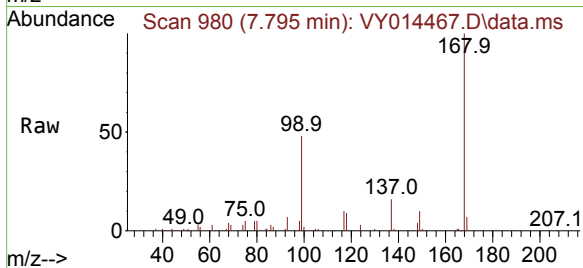




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

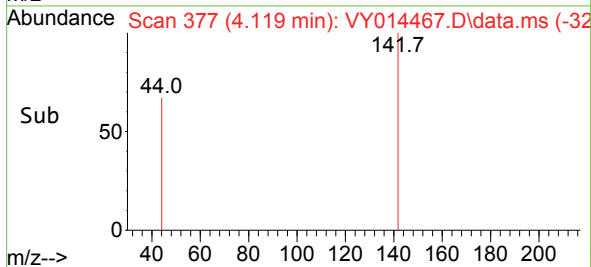
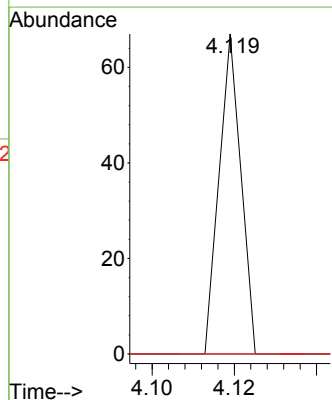
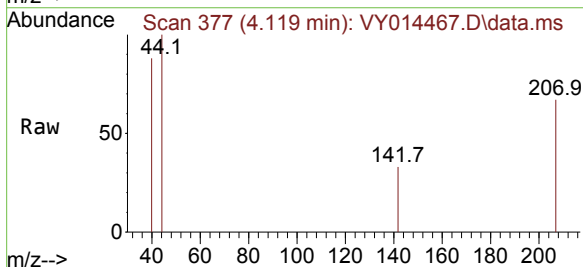
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM-0621-2

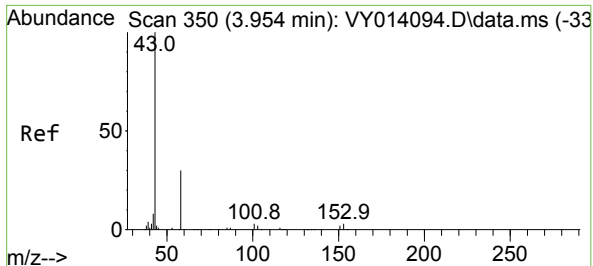
Tgt Ion:168 Resp: 35872
Ion Ratio Lower Upper
168 100
99 47.7 43.4 65.0



#10
Methyl Iodide
Concen: 2.928 ug/l
RT: 4.119 min Scan# 377
Delta R.T. 0.025 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

Tgt Ion:142 Resp: 25
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

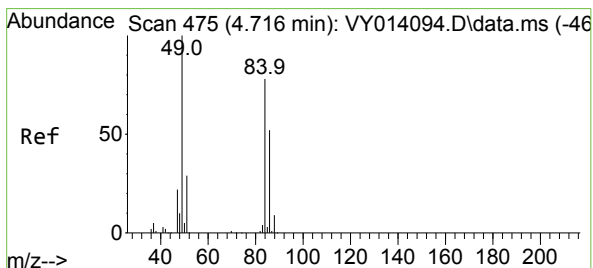
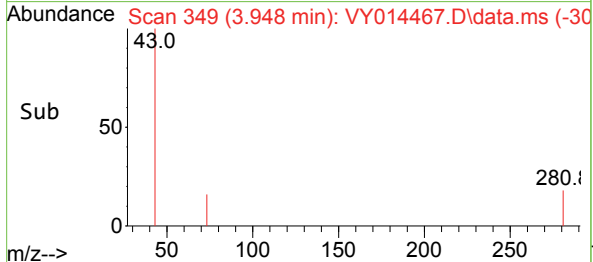
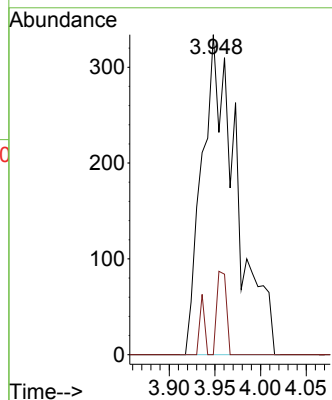
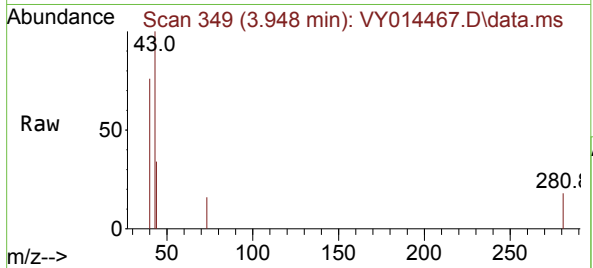




#16
Acetone
Concen: 6.315 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

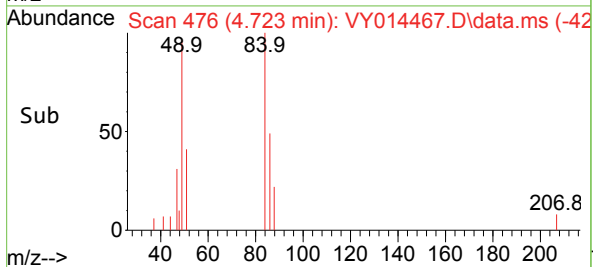
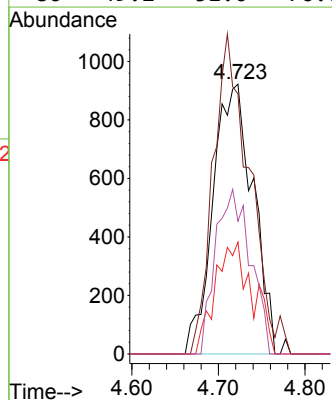
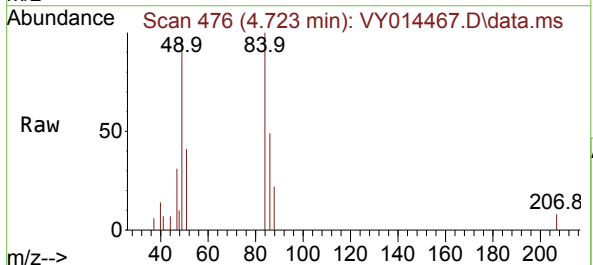
Instrument :
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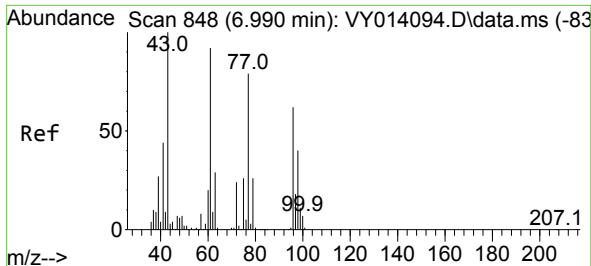
Tgt Ion: 43 Resp: 885
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#20
Methylene Chloride
Concen: 1.973 ug/l
RT: 4.723 min Scan# 476
Delta R.T. 0.007 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

Tgt Ion: 84 Resp: 2959
Ion Ratio Lower Upper
84 100
49 96.4 106.9 160.3#
51 41.4 33.2 49.8
86 49.2 51.0 76.6#

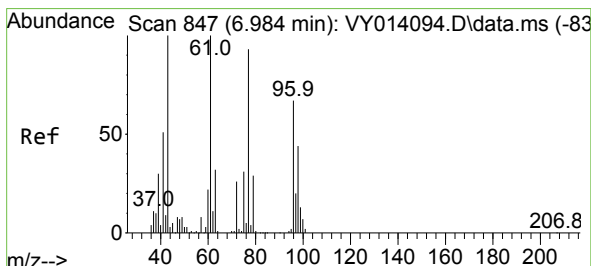
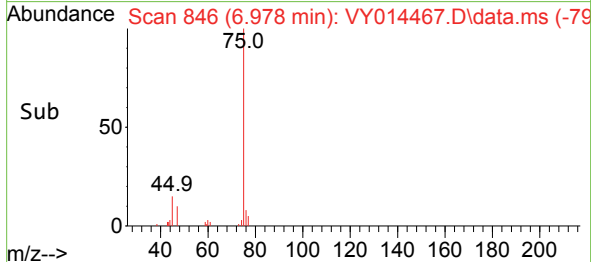
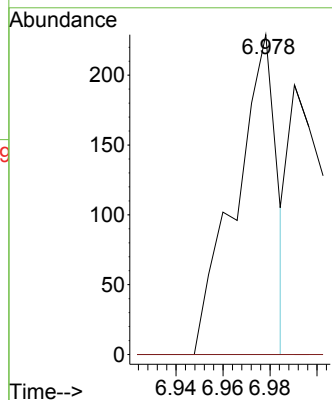
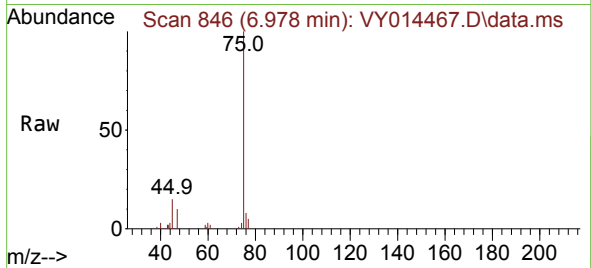




#25
2-Butanone
Concen: 1.610 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

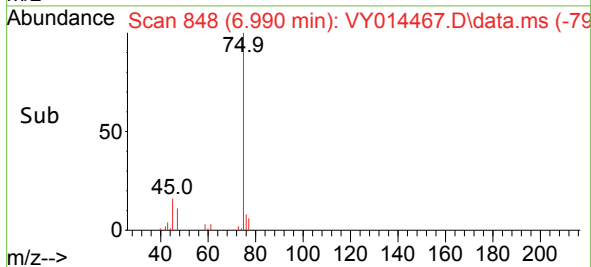
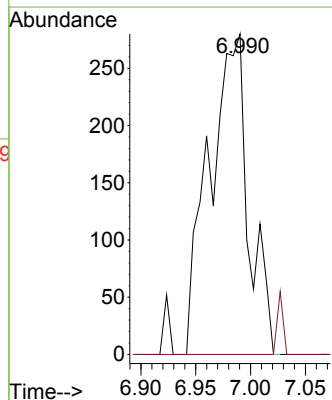
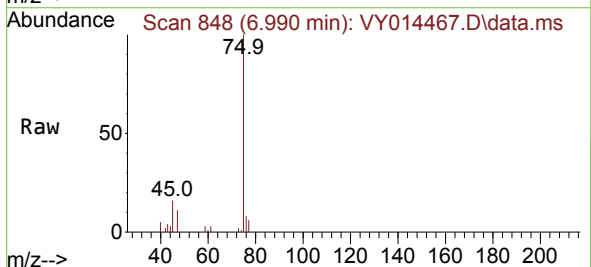
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM-0621-2

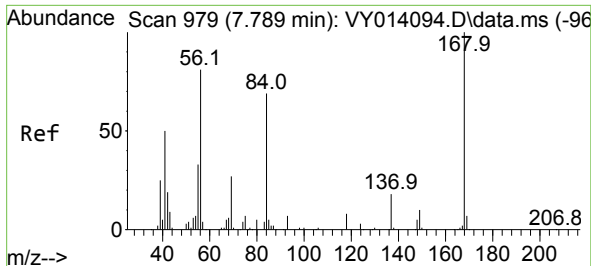
Tgt Ion: 43 Resp: 281
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.058 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

Tgt Ion: 77 Resp: 697
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

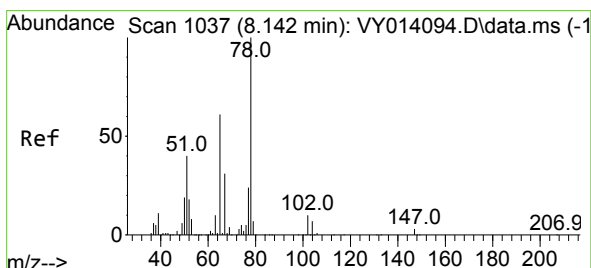
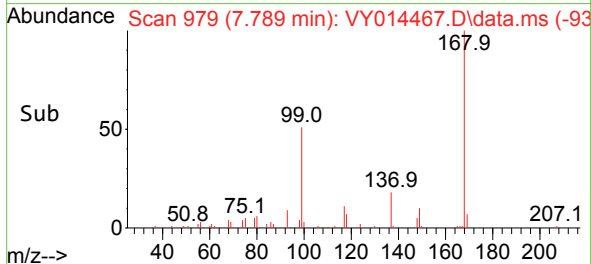
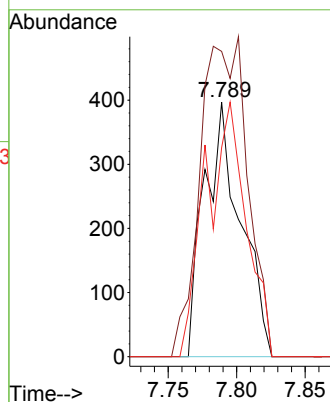
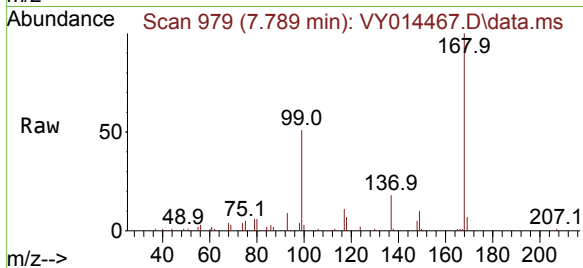




#31
Cyclohexane
Concen: 1.336 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

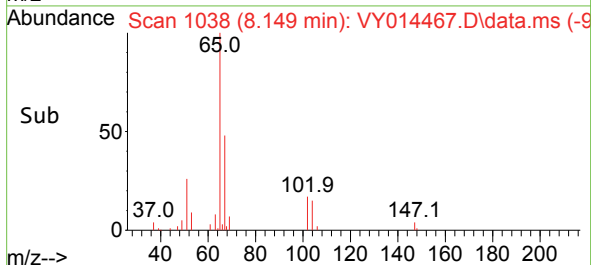
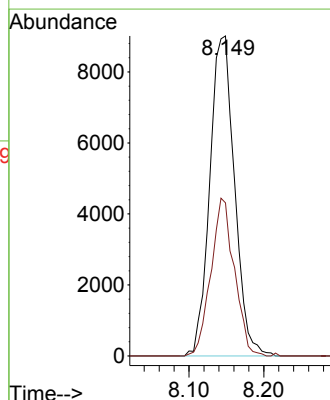
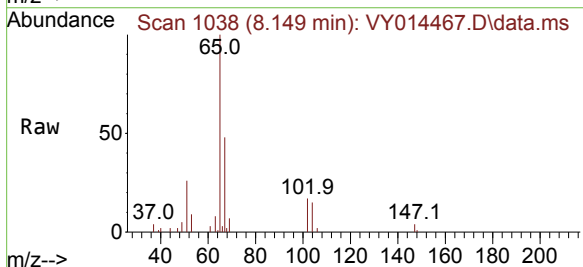
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM-0621-2

Tgt Ion: 56 Resp: 735
Ion Ratio Lower Upper
56 100
69 119.9 27.8 41.6#
84 82.1 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 46.679 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

Tgt Ion: 65 Resp: 20790
Ion Ratio Lower Upper
65 100
67 46.7 0.0 101.8

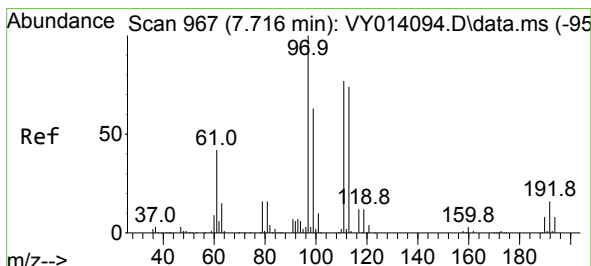
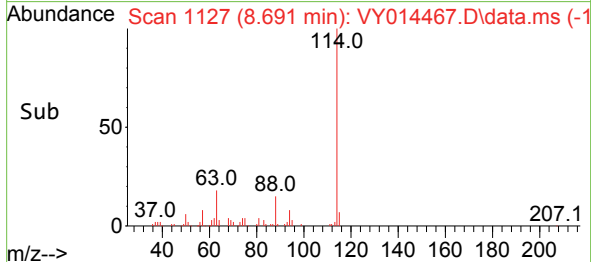
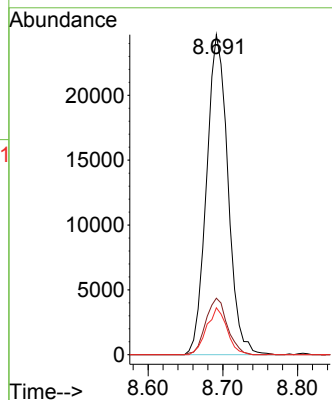
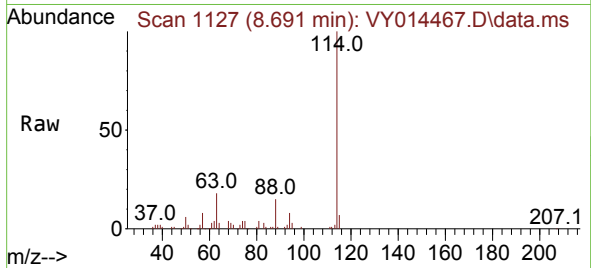




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

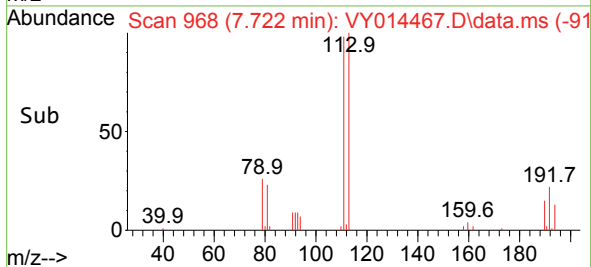
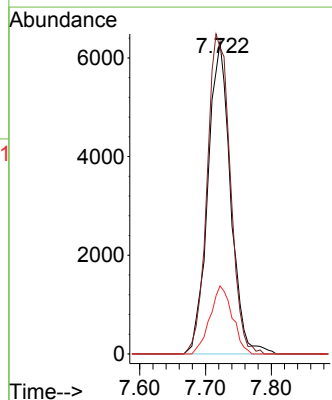
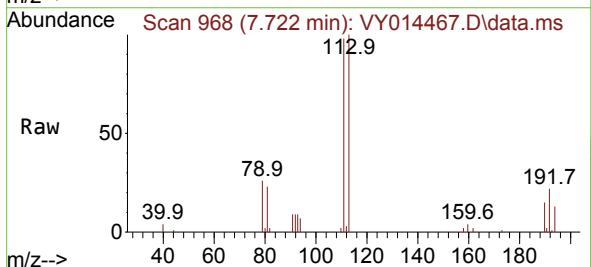
Instrument :
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ClientSampleId :
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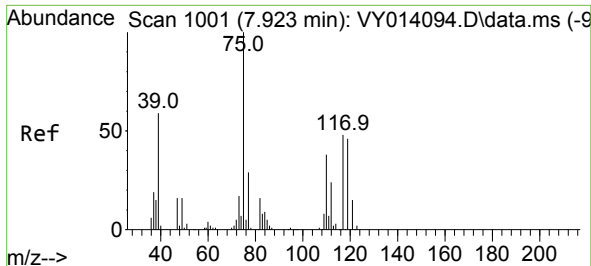
Tgt Ion:	114	Resp:	49027
Ion Ratio	Lower	Upper	
114	100		
63	17.6	0.0	42.4
88	14.7	0.0	30.6



#35
Dibromofluoromethane
Concen: 50.109 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

Tgt Ion:	113	Resp:	15178
Ion Ratio	Lower	Upper	
113	100		
111	104.5	81.3	121.9
192	21.5	16.9	25.3

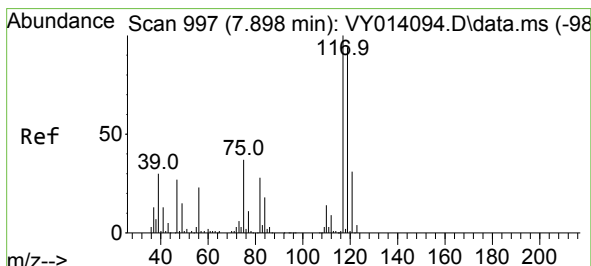
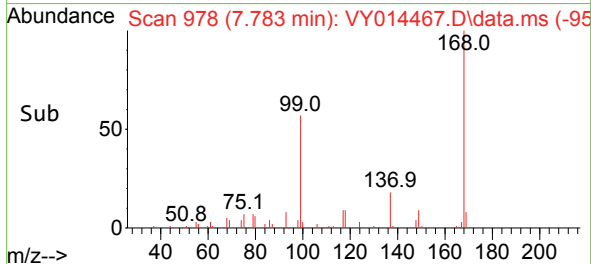
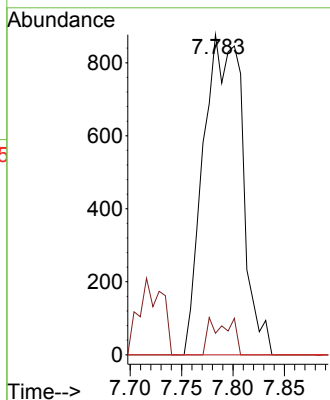
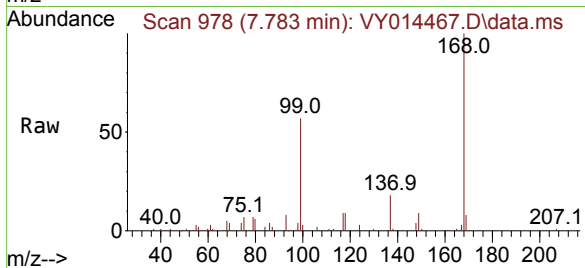




#36
1,1-Dichloropropene
Concen: 4.968 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

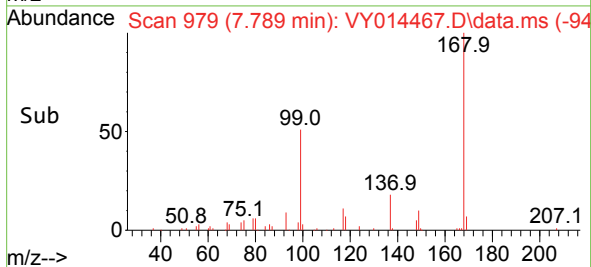
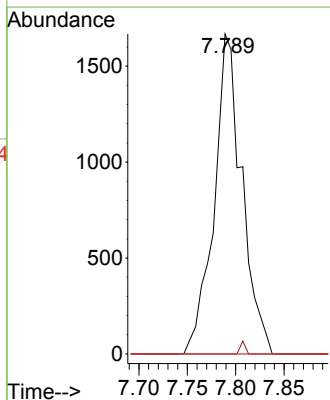
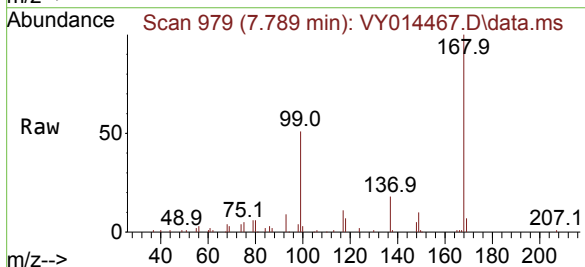
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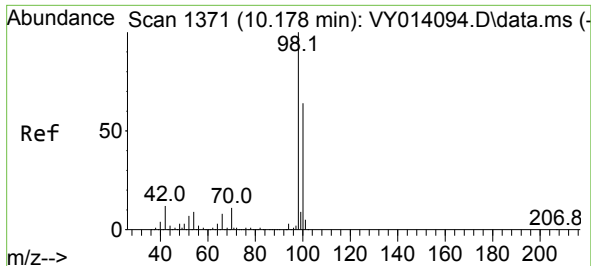
Tgt Ion: 75 Resp: 2319
Ion Ratio Lower Upper
75 100
110 6.4 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.667 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.109 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

Tgt Ion: 117 Resp: 3329
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

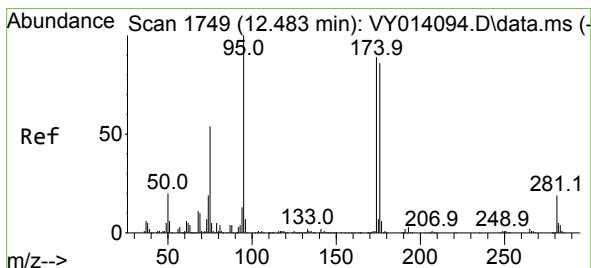
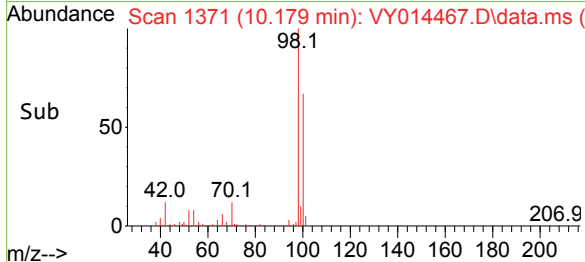
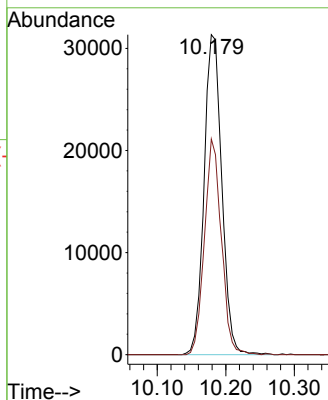
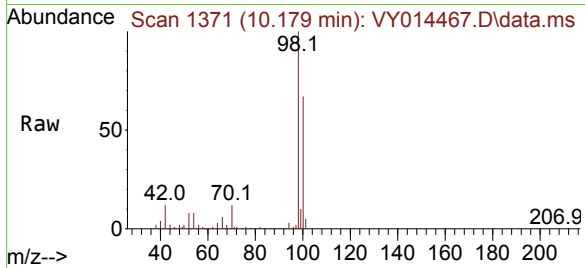




#50
Toluene-d8
Concen: 46.871 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

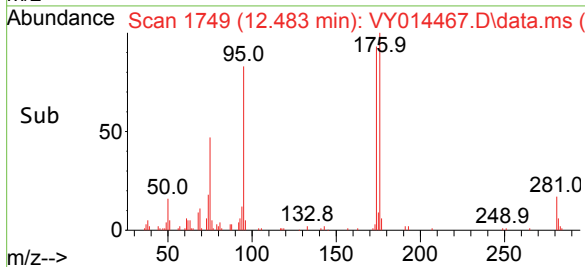
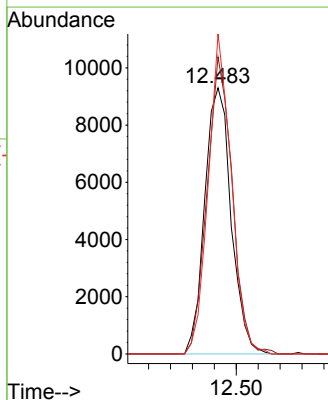
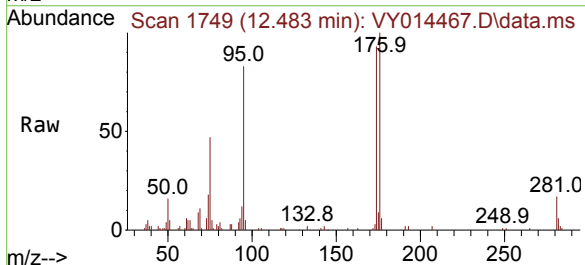
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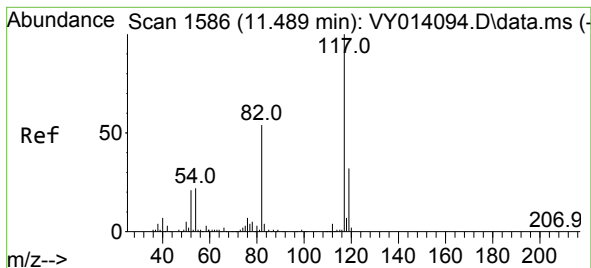
Tgt Ion: 98 Resp: 56436
Ion Ratio Lower Upper
98 100
100 64.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 36.219 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

Tgt Ion: 95 Resp: 15569
Ion Ratio Lower Upper
95 100
174 106.4 0.0 178.2
176 104.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014467.D

Acq: 27 Jun 2023 18:43

Instrument :

MSVOA_Y

ClientSampleId :

PNNL-APM-0621-2

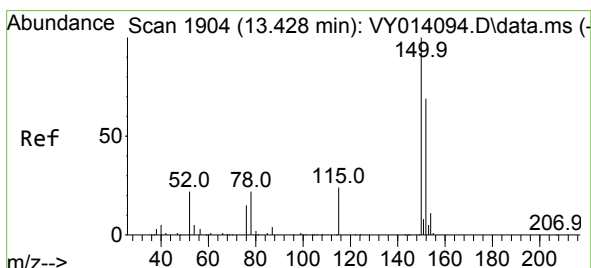
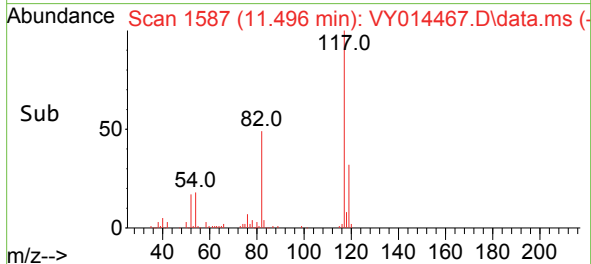
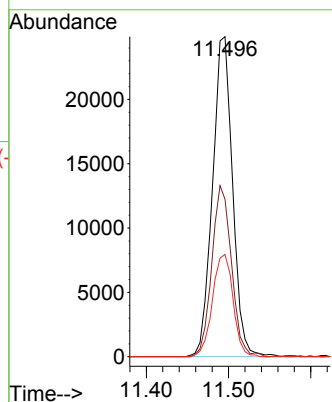
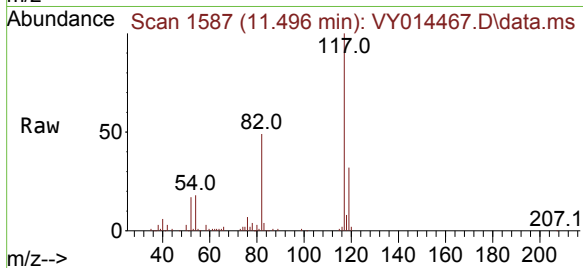
Tgt Ion:117 Resp: 42210

Ion Ratio Lower Upper

117 100

82 49.2 43.4 65.0

119 32.0 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: VY014467.D

Acq: 27 Jun 2023 18:43

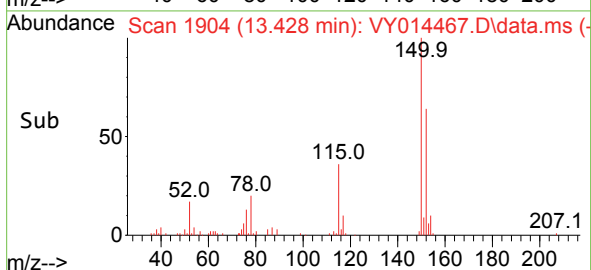
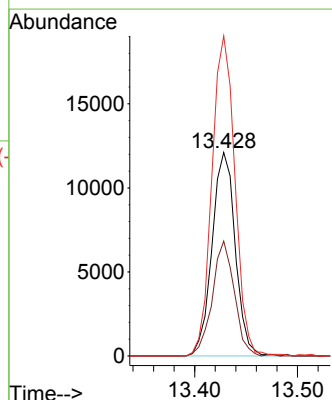
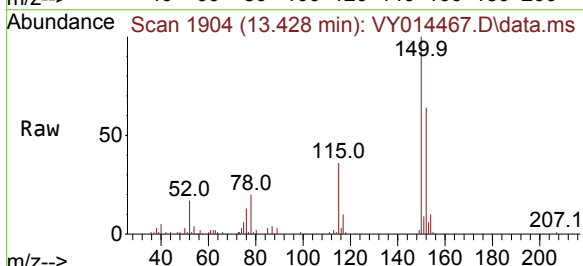
Tgt Ion:152 Resp: 19001

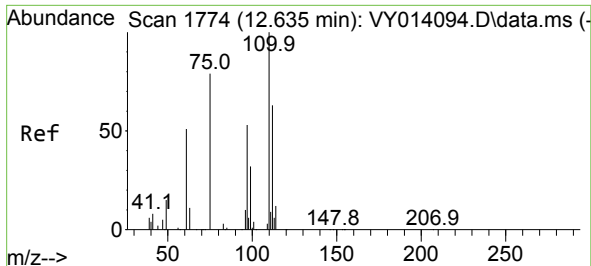
Ion Ratio Lower Upper

152 100

115 53.8 28.8 86.5

150 155.8 0.0 348.8

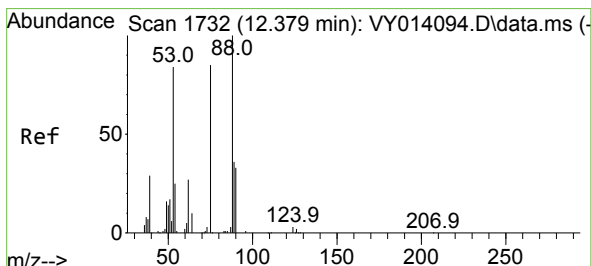
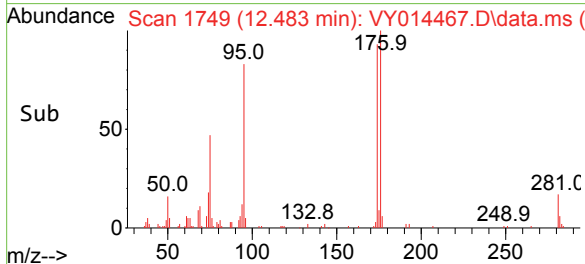
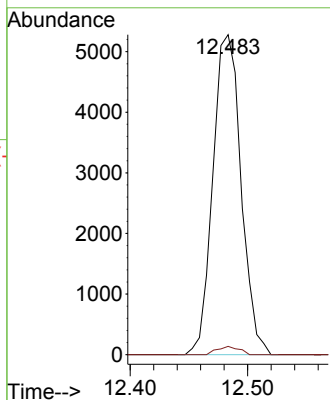
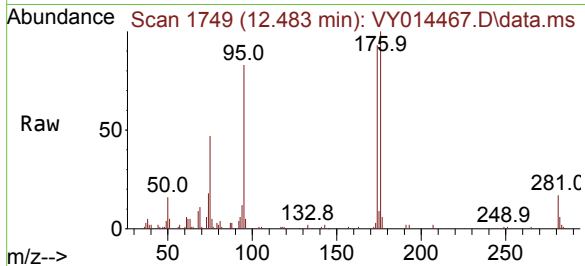




#76
1,2,3-Trichloropropane
Concen: 36.916 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

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

Tgt Ion: 75 Resp: 8799
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.045 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014467.D
Acq: 27 Jun 2023 18:43

Tgt Ion: 75 Resp: 8799
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

