

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062723\
 Data File : VY014466.D
 Acq On : 27 Jun 2023 18:19
 Operator : KP/MD
 Sample : 03328-01
 Misc : 6.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PNNL-APM-0621-1

Quant Time: Jun 28 02:28:12 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)

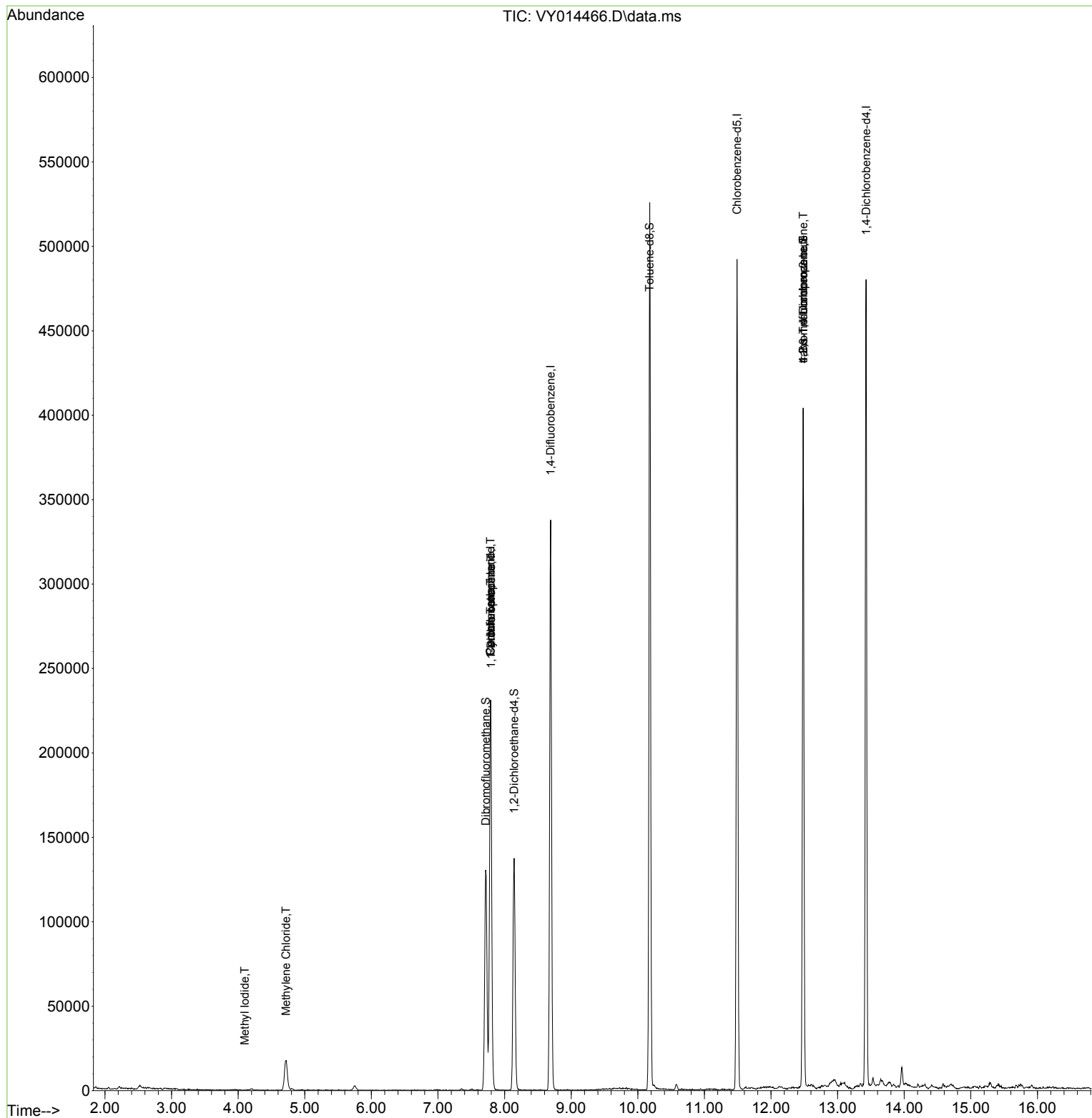
Internal Standards						
1) Pentafluorobenzene	7.789	168	182625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	281368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	264981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	122962	54.229	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.460%			
35) Dibromofluoromethane	7.716	113	88174	50.723	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.440%			
50) Toluene-d8	10.179	98	336367	48.677	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.360%			
62) 4-Bromofluorobenzene	12.483	95	108229	43.871	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.740%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.101	142	64	2.902	ug/l #	38
11) Tert butyl alcohol	4.954	59	128	Below Cal	#	89
20) Methylene Chloride	4.716	84	13892	1.333	ug/l	87
31) Cyclohexane	7.789	56	3894	1.390	ug/l #	45
36) 1,1-Dichloropropene	7.795	75	13025	4.862	ug/l #	51
38) Carbon Tetrachloride	7.789	117	17531	5.200	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	60768	38.489	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	60768	87.627	ug/l #	11

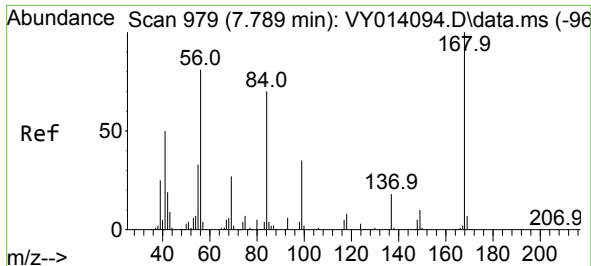
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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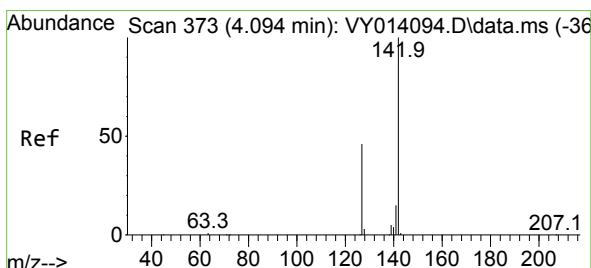
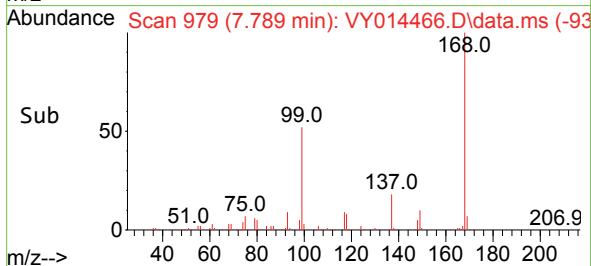
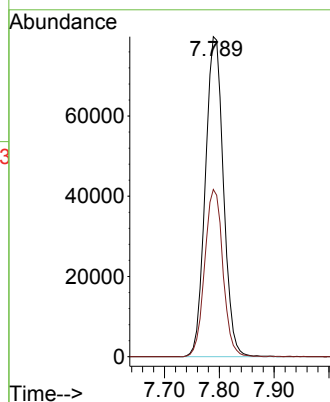
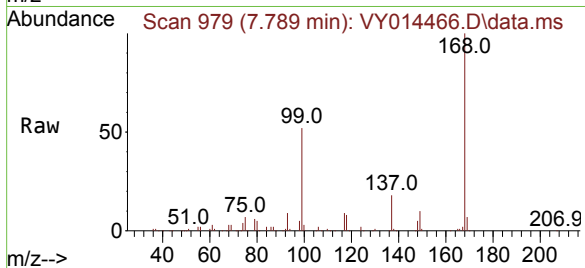




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014466.D
Acq: 27 Jun 2023 18:19

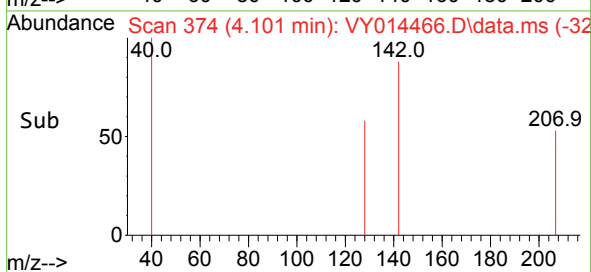
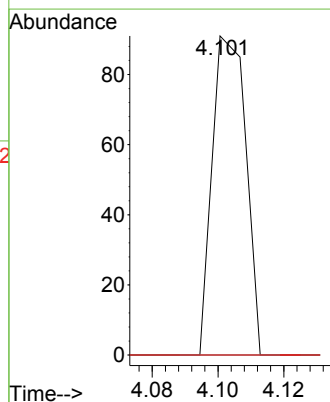
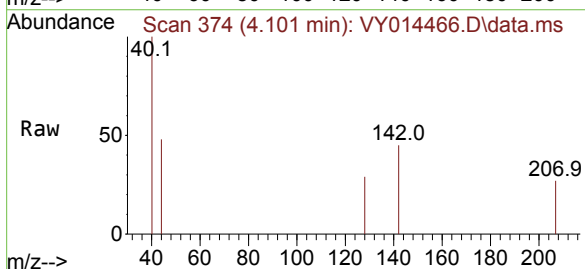
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-APM-0621-1

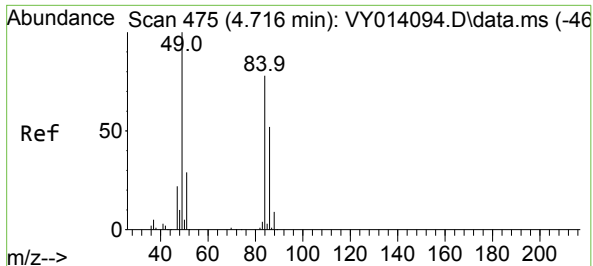
Tgt Ion:168 Resp: 182625
Ion Ratio Lower Upper
168 100
99 52.3 43.4 65.0



#10
Methyl Iodide
Concen: 2.902 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.007 min
Lab File: VY014466.D
Acq: 27 Jun 2023 18:19

Tgt Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

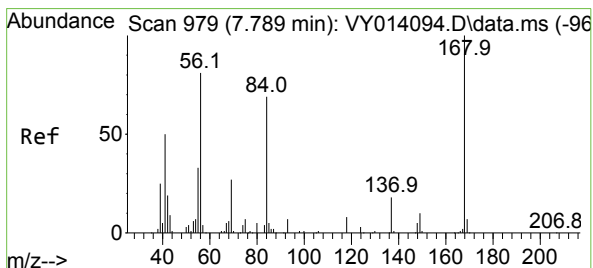
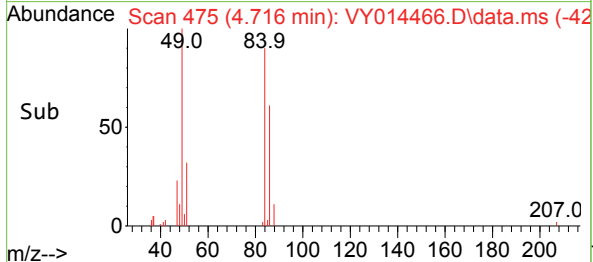
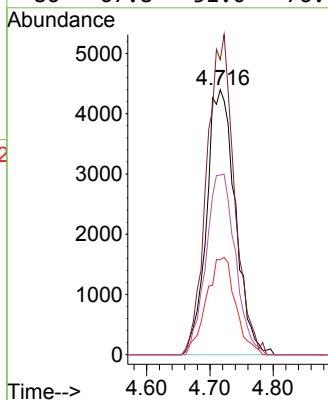
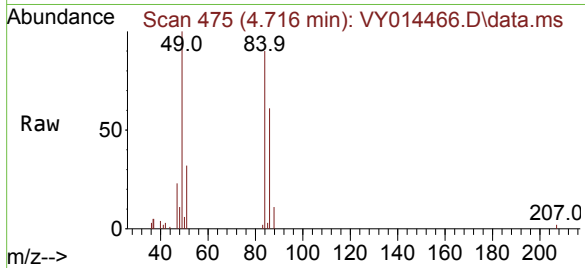




#20
Methylene Chloride
Concen: 1.333 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014466.D
Acq: 27 Jun 2023 18:19

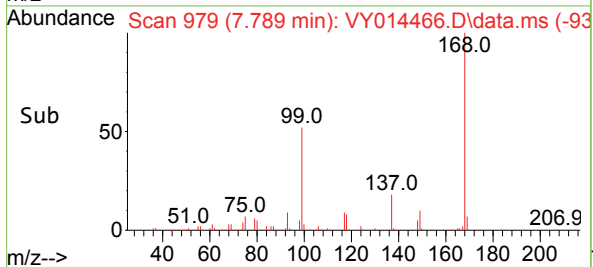
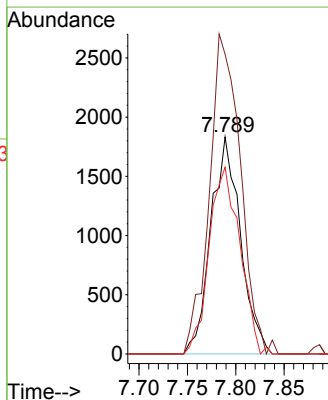
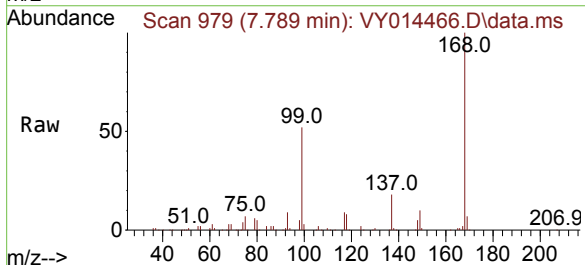
Instrument :
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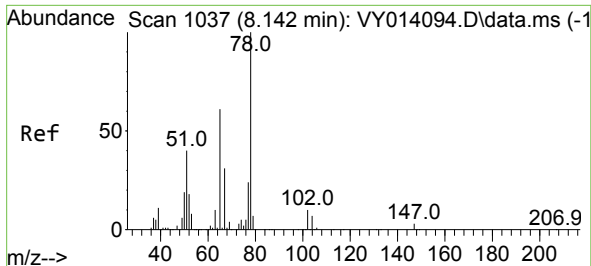
Tgt Ion:	84	Resp:	13892
Ion	Ratio	Lower	Upper
84	100		
49	111.3	106.9	160.3
51	35.8	33.2	49.8
86	67.8	51.0	76.6



#31
Cyclohexane
Concen: 1.390 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY014466.D
Acq: 27 Jun 2023 18:19

Tgt Ion:	56	Resp:	3894
Ion	Ratio	Lower	Upper
56	100		
69	138.1	27.8	41.6#
84	86.0	66.4	99.6

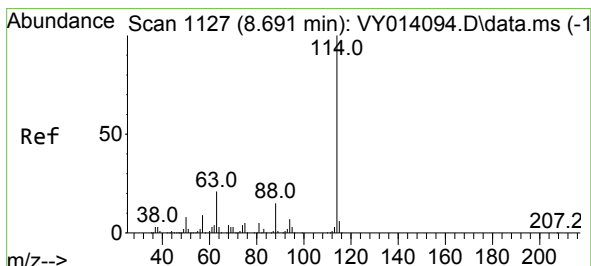
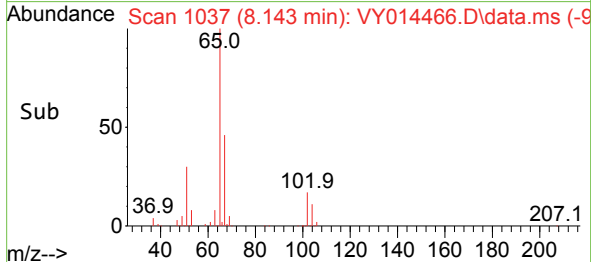
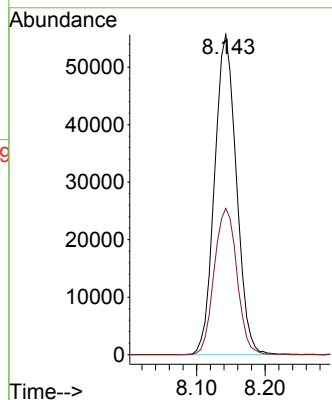
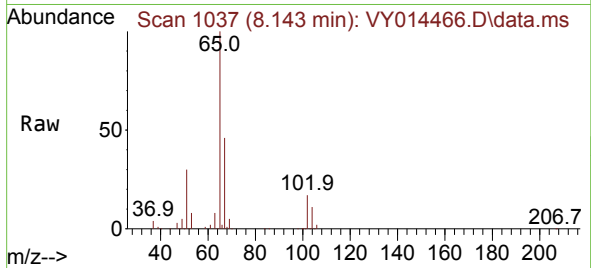




#33
 1,2-Dichloroethane-d4
 Concen: 54.229 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. 0.001 min
 Lab File: VY014466.D
 Acq: 27 Jun 2023 18:19

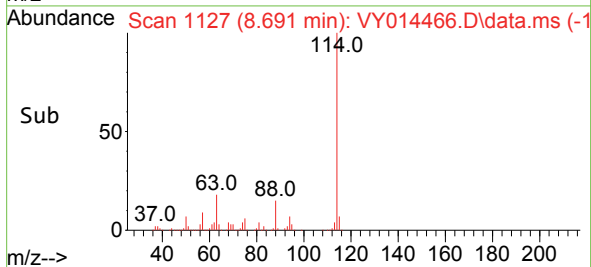
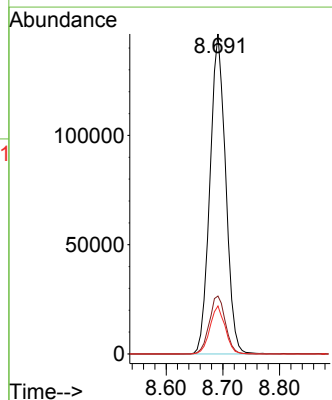
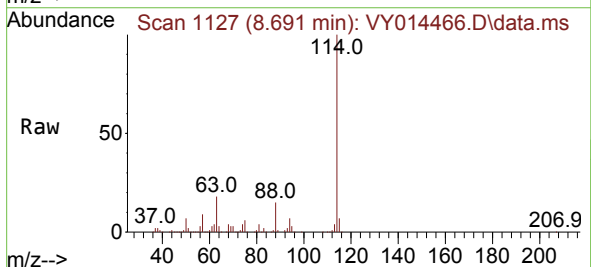
Instrument :
 MSVOA_Y
 ClientSampleId :
 PNNL-APM-0621-1

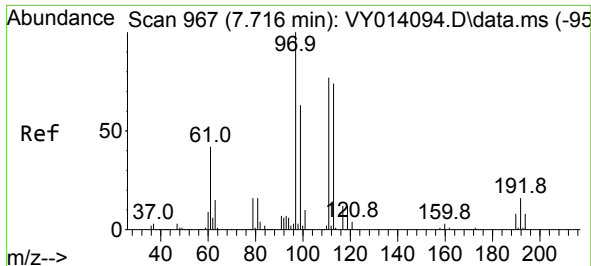
Tgt Ion: 65 Resp: 122962
 Ion Ratio Lower Upper
 65 100
 67 47.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014466.D
 Acq: 27 Jun 2023 18:19

Tgt Ion: 114 Resp: 281368
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 42.4
 88 15.0 0.0 30.6

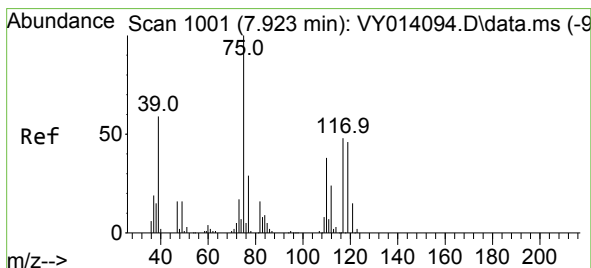
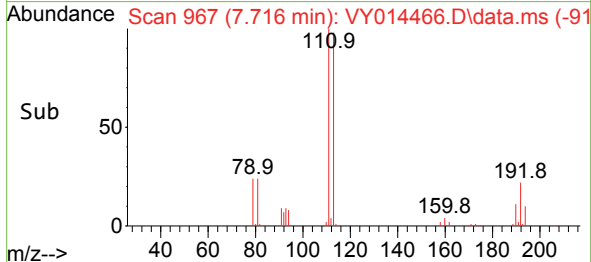
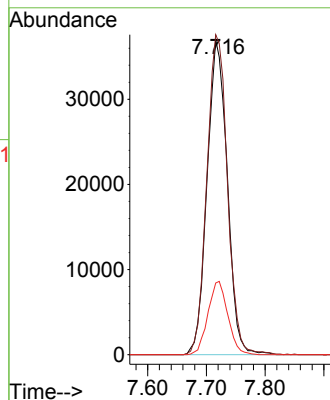
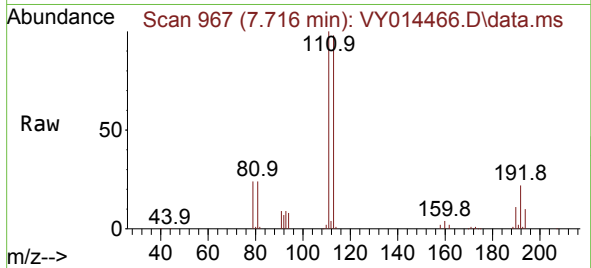




#35
Dibromofluoromethane
Concen: 50.723 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014466.D
Acq: 27 Jun 2023 18:19

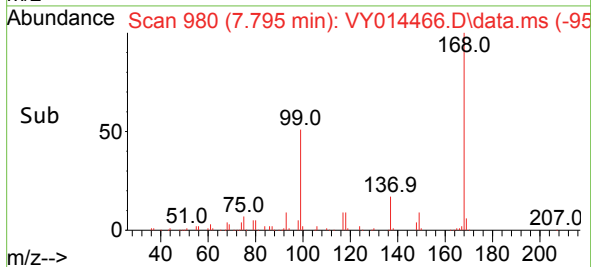
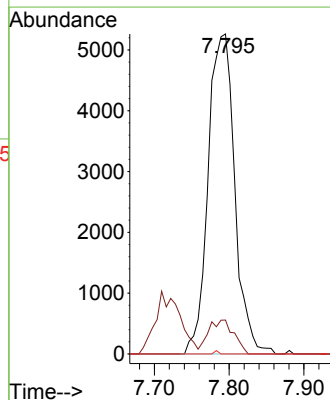
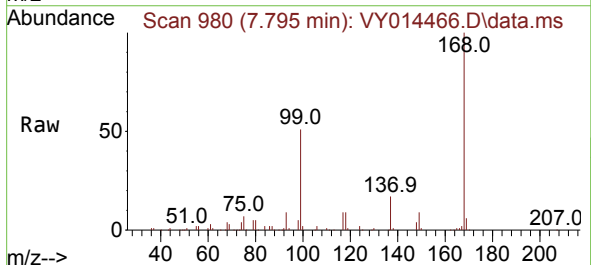
Instrument :
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ClientSampleId :
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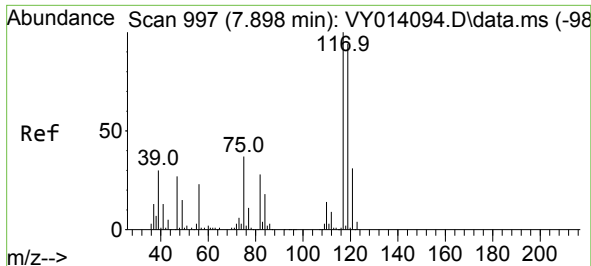
Tgt Ion:113 Resp: 88174
Ion Ratio Lower Upper
113 100
111 103.7 81.3 121.9
192 23.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.862 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY014466.D
Acq: 27 Jun 2023 18:19

Tgt Ion: 75 Resp: 13025
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.5#
77 0.2 24.4 36.6#

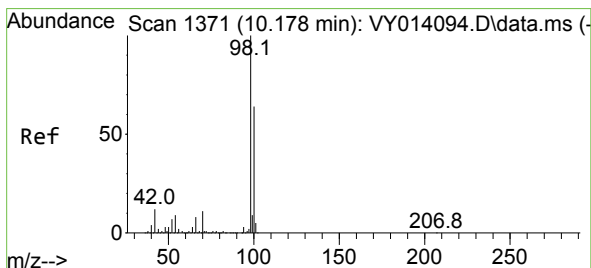
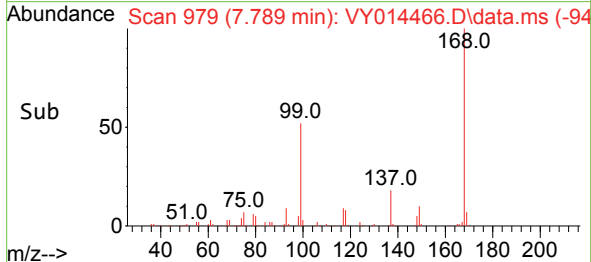
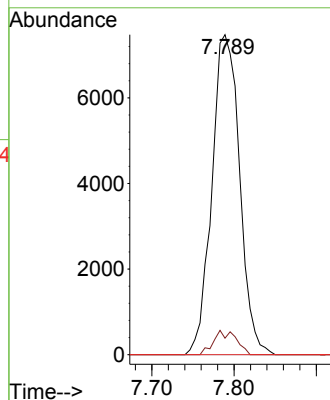
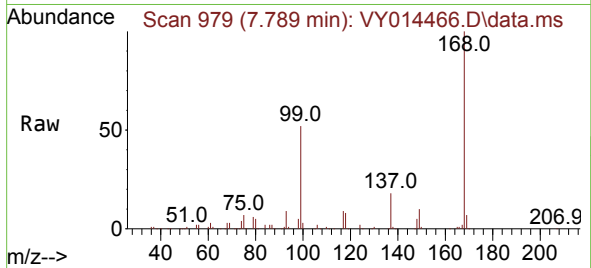




#38
Carbon Tetrachloride
Concen: 5.200 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014466.D
Acq: 27 Jun 2023 18:19

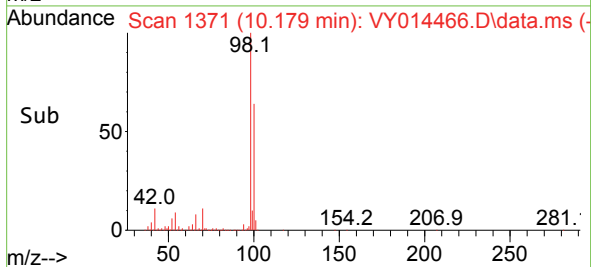
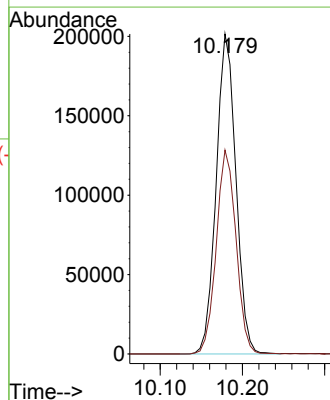
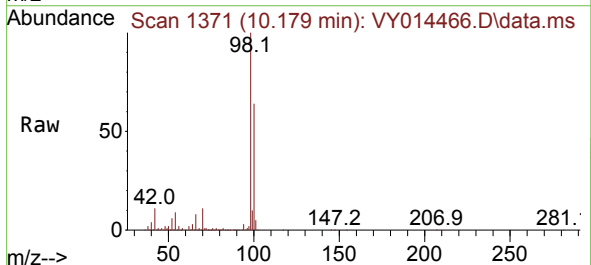
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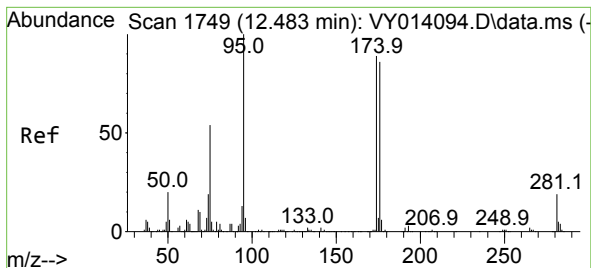
Tgt Ion:117 Resp: 17531
Ion Ratio Lower Upper
117 100
119 5.1 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.677 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014466.D
Acq: 27 Jun 2023 18:19

Tgt Ion: 98 Resp: 336367
Ion Ratio Lower Upper
98 100
100 63.8 50.1 75.1

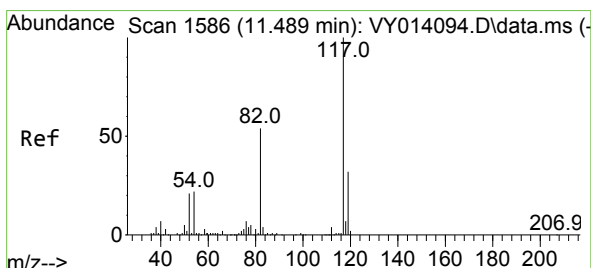
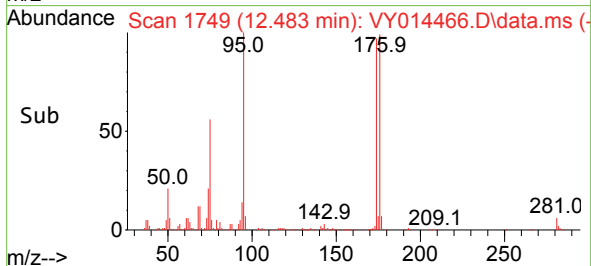
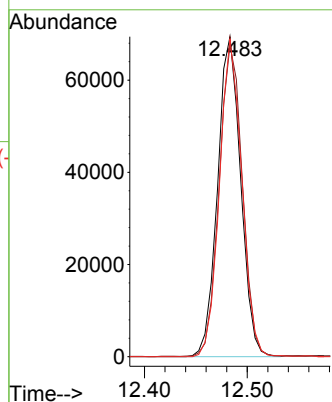
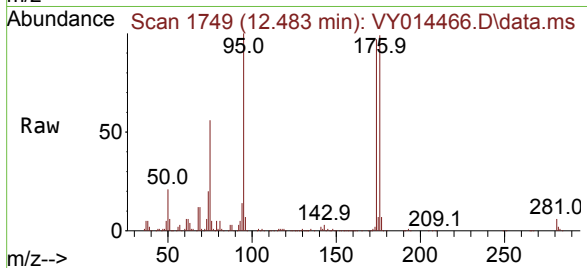




#62
4-Bromofluorobenzene
Concen: 43.871 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014466.D
Acq: 27 Jun 2023 18:19

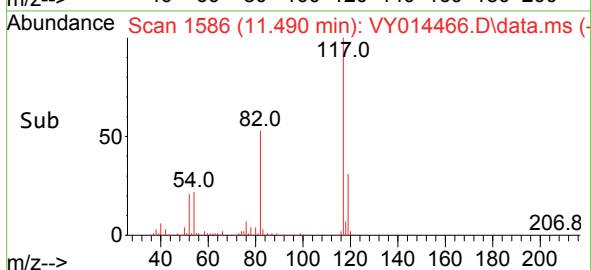
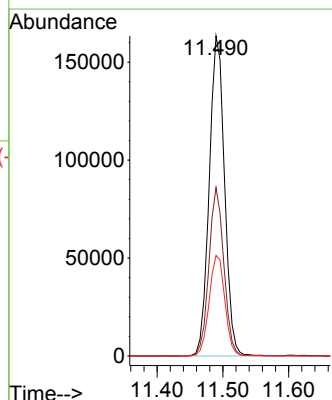
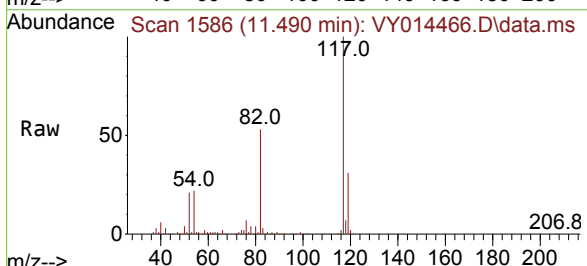
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PNNL-APM-0621-1

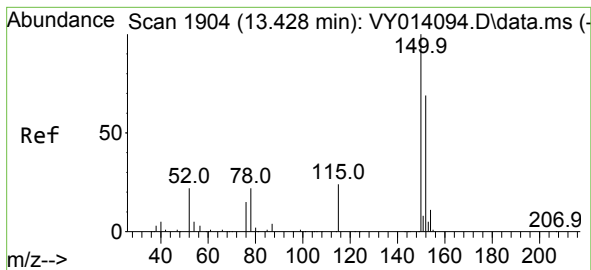
Tgt Ion: 95 Resp: 108229
Ion Ratio Lower Upper
95 100
174 97.8 0.0 178.2
176 95.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014466.D
Acq: 27 Jun 2023 18:19

Tgt Ion: 117 Resp: 264981
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.0
119 31.4 26.3 39.5

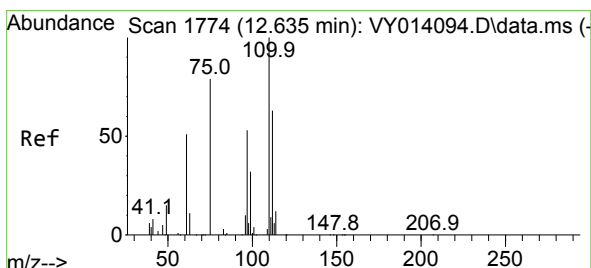
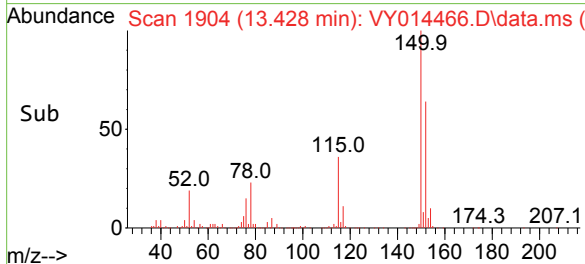
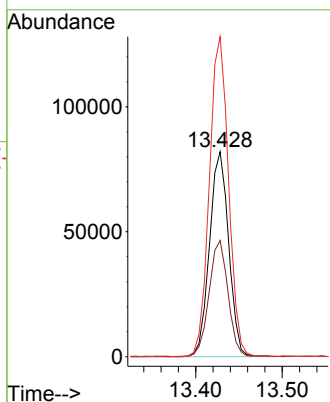
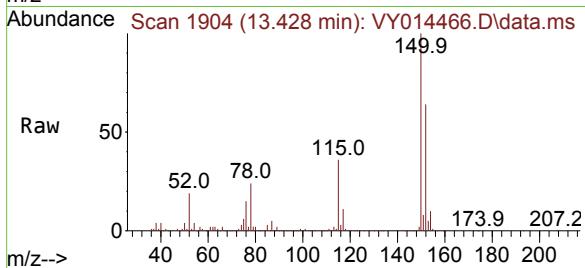




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY014466.D
 Acq: 27 Jun 2023 18:19

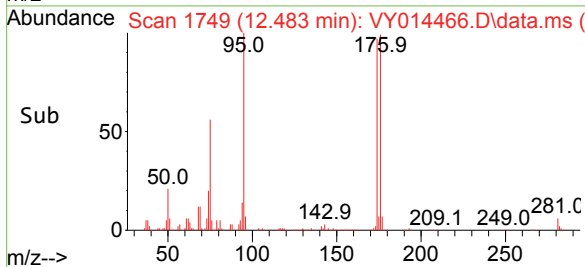
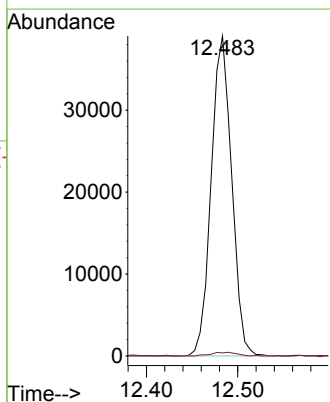
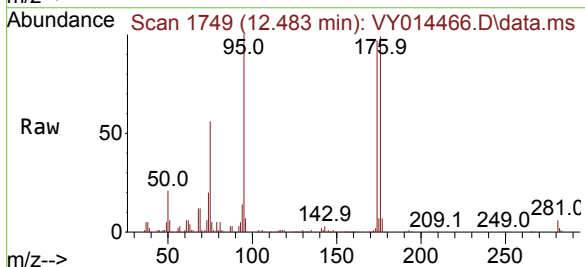
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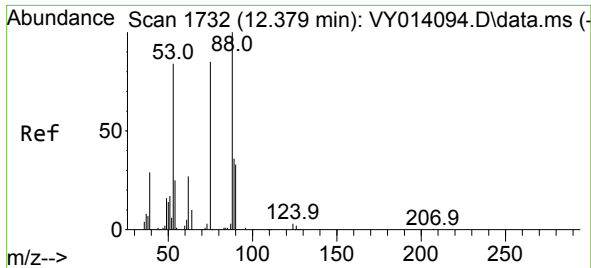
Tgt Ion:152 Resp: 125862
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.8 86.5
 150 156.2 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 38.489 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY014466.D
 Acq: 27 Jun 2023 18:19

Tgt Ion: 75 Resp: 60768
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.627 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014466.D
 Acq: 27 Jun 2023 18:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 PNNL-APM-0621-1

Tgt Ion: 75 Resp: 60768
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.1 37.4 56.0#

