

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040523\
 Data File : VY013206.D
 Acq On : 05 Apr 2023 12:57
 Operator : KP/MD
 Sample : 02176-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-040323

Quant Time: Apr 06 01:28:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 03 13:40:57 2023
 Response via : Initial Calibration

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

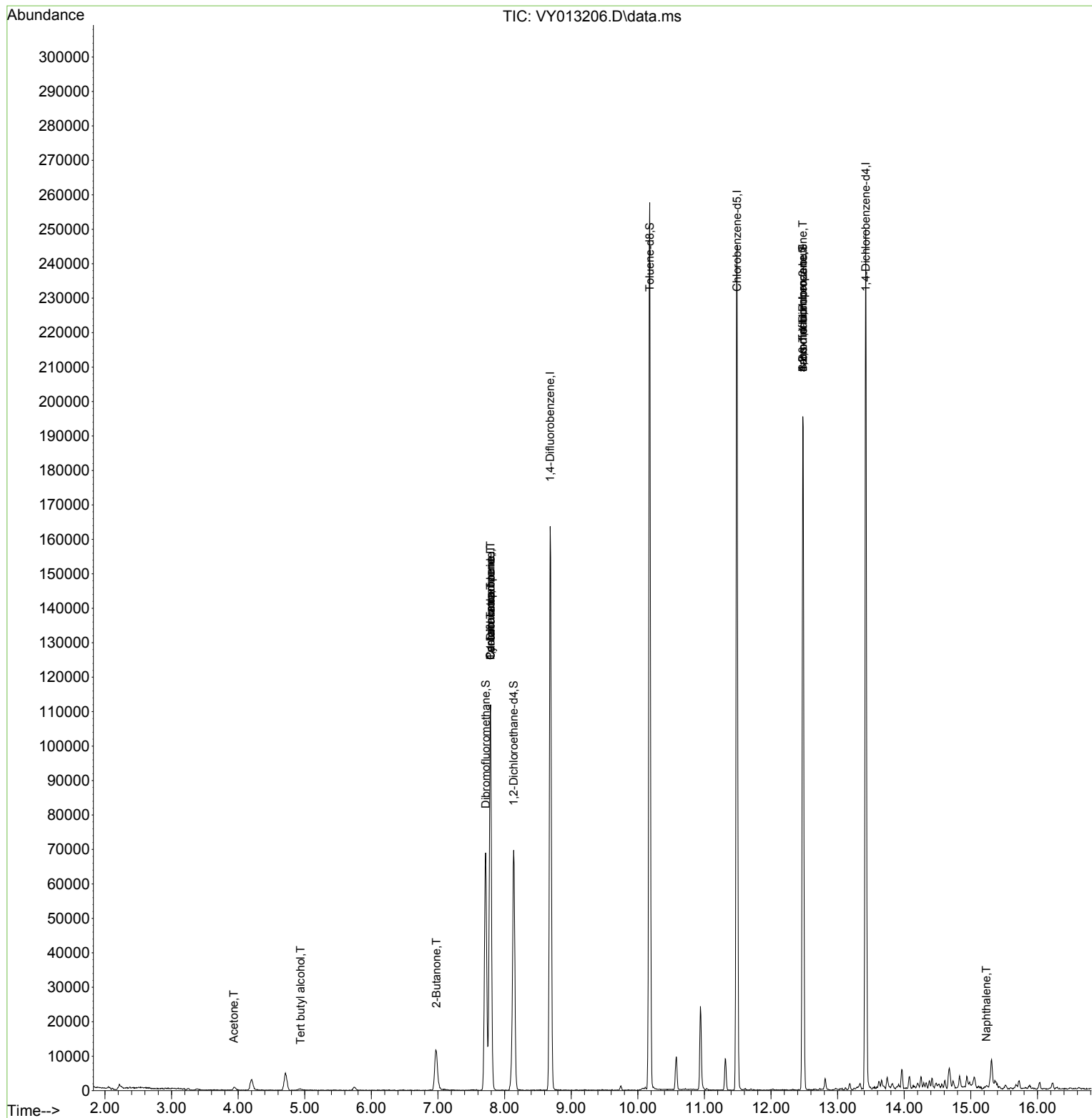
Internal Standards						
1) Pentafluorobenzene	7.789	168	91092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	143482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	135337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	65208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	55374	56.565	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.120%	
35) Dibromofluoromethane	7.716	113	47677	50.865	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.740%	
50) Toluene-d8	10.179	98	163639	46.245	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.480%	
62) 4-Bromofluorobenzene	12.477	95	54321	47.162	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	577	6.540	ug/l #	74
16) Acetone	3.936	43	1721	5.749	ug/l	94
20) Methylene Chloride	4.710	84	3836	Below Cal		89
25) 2-Butanone	6.978	43	681	1.819	ug/l #	49
31) Cyclohexane	7.789	56	1626	1.017	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	6228	4.414	ug/l #	50
38) Carbon Tetrachloride	7.789	117	8423	5.410	ug/l #	17
71) Bromoform	12.477	173	681	1.020	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	27904	38.092	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	27904	84.950	ug/l #	13
95) Naphthalene	15.233	128	649	3.481	ug/l #	69

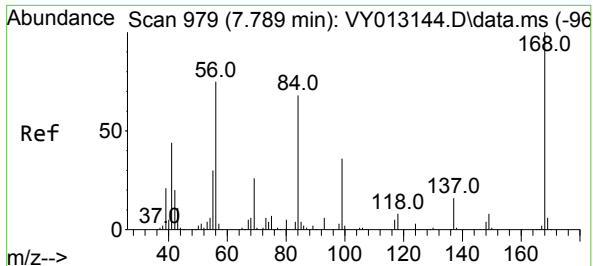
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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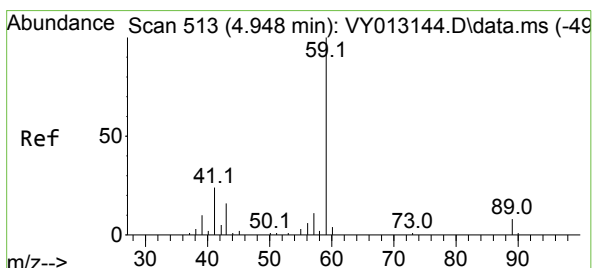
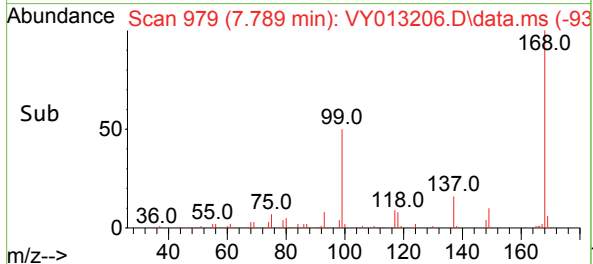
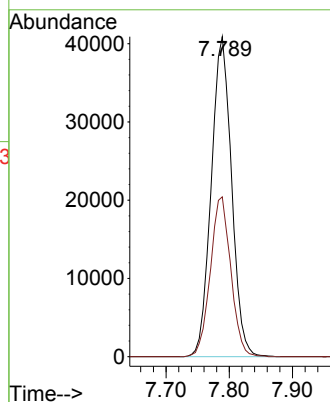
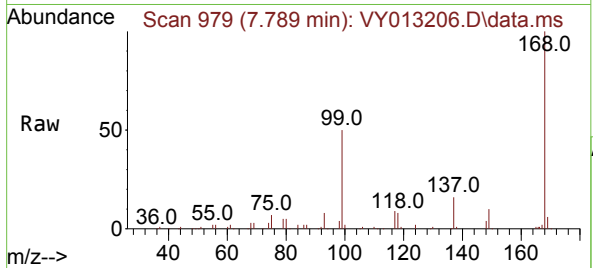




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013206.D
Acq: 05 Apr 2023 12:57

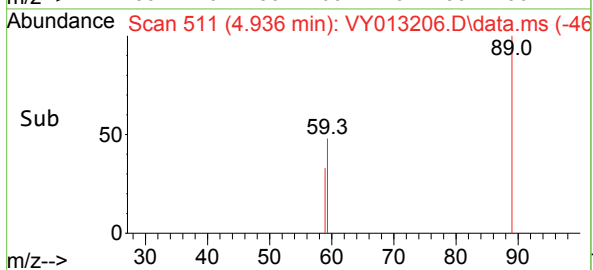
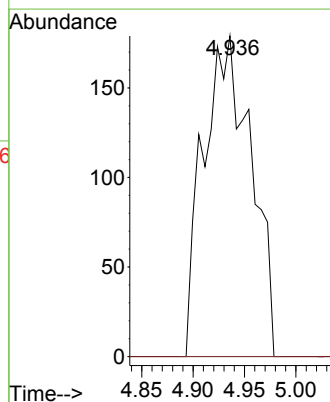
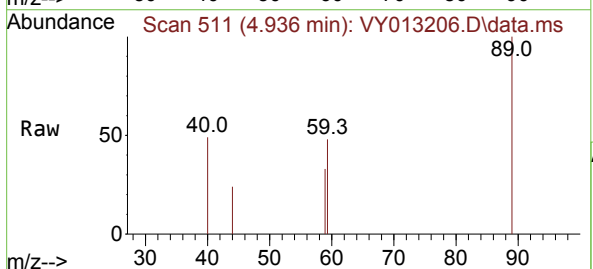
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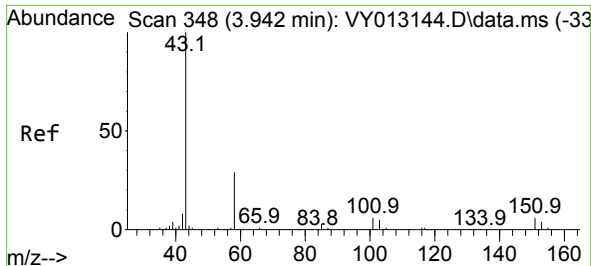
Tgt Ion:168 Resp: 91092
Ion Ratio Lower Upper
168 100
99 49.9 41.7 62.5



#11
Tert butyl alcohol
Concen: 6.540 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY013206.D
Acq: 05 Apr 2023 12:57

Tgt Ion: 59 Resp: 577
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

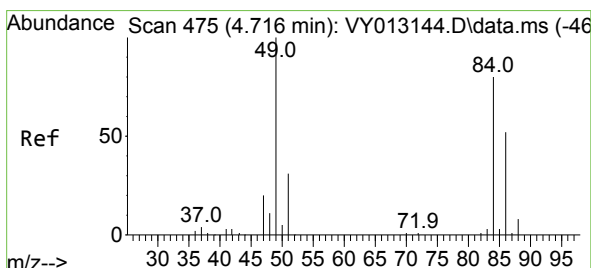
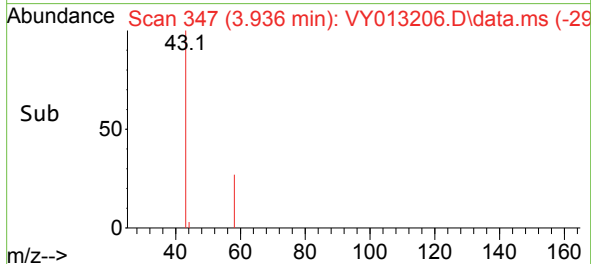
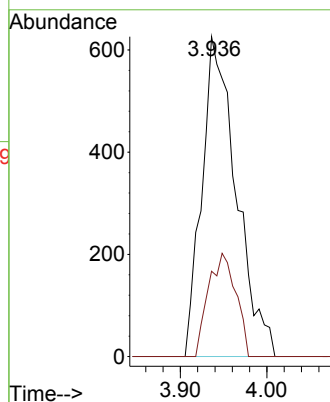
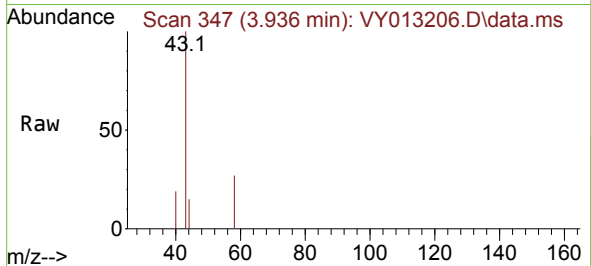




#16
Acetone
Concen: 5.749 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY013206.D
Acq: 05 Apr 2023 12:57

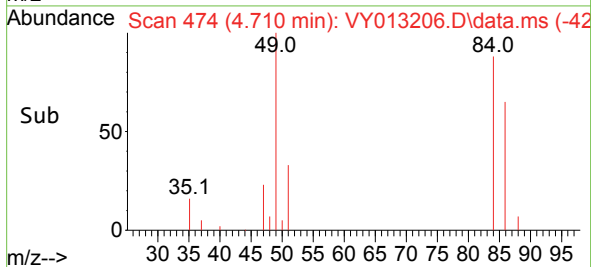
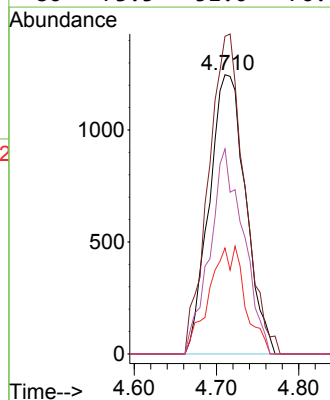
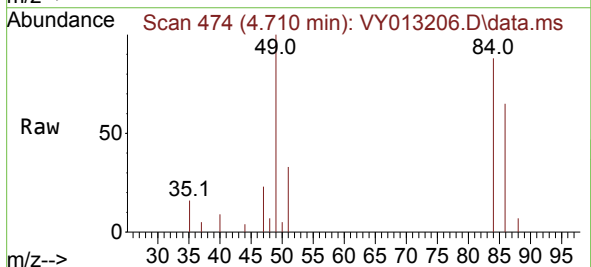
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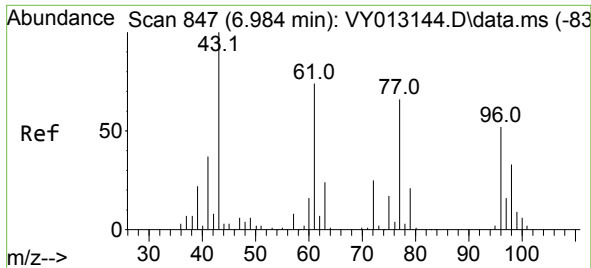
Tgt Ion: 43 Resp: 1721
Ion Ratio Lower Upper
43 100
58 26.7 24.2 36.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY013206.D
Acq: 05 Apr 2023 12:57

Tgt Ion: 84 Resp: 3836
Ion Ratio Lower Upper
84 100
49 113.7 102.6 154.0
51 37.9 31.9 47.9
86 73.5 51.0 76.6

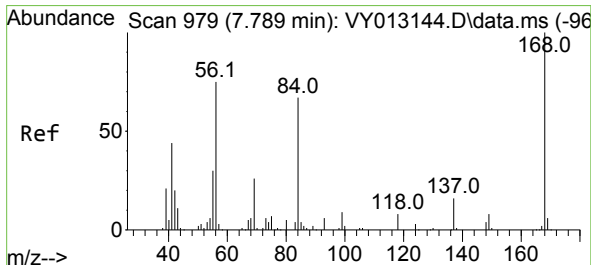
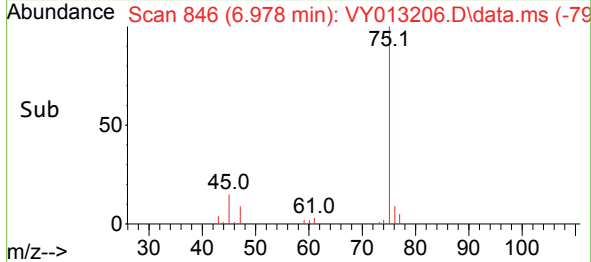
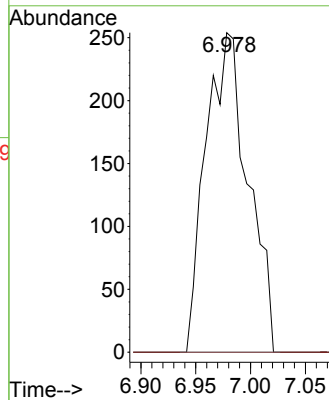
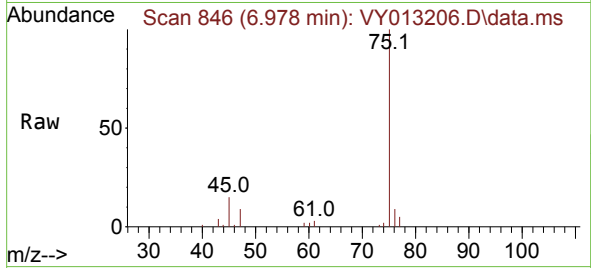




#25
2-Butanone
Concen: 1.819 ug/l
RT: 6.978 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY013206.D
Acq: 05 Apr 2023 12:57

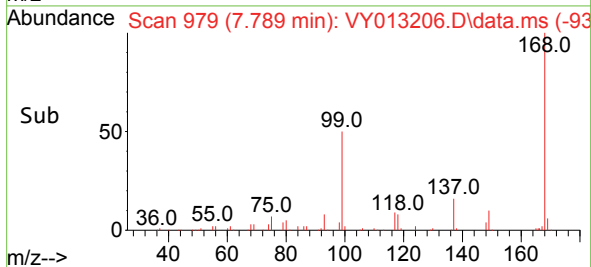
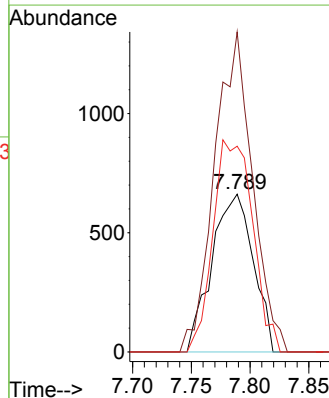
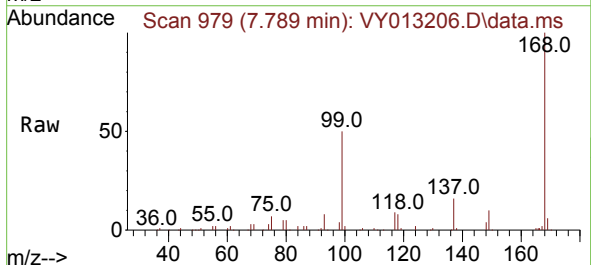
Instrument :
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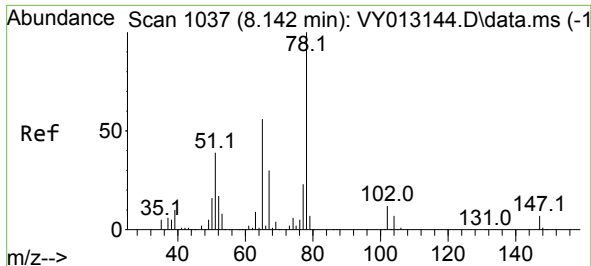
Tgt Ion: 43 Resp: 681
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#



#31
Cyclohexane
Concen: 1.017 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY013206.D
Acq: 05 Apr 2023 12:57

Tgt Ion: 56 Resp: 1626
Ion Ratio Lower Upper
56 100
69 202.7 25.7 38.5#
84 130.4 64.3 96.5#

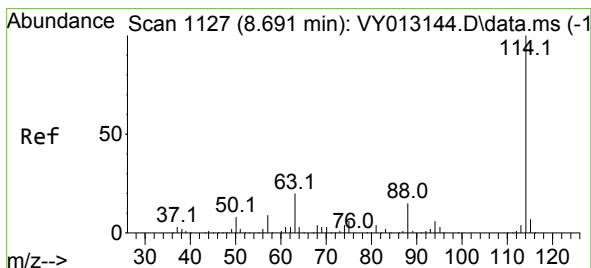
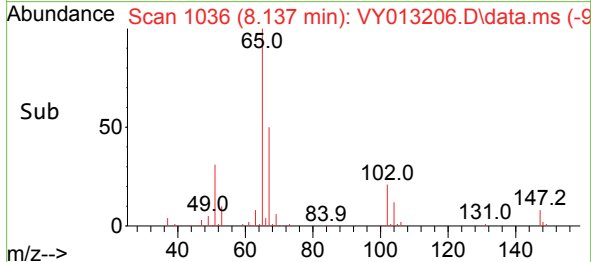
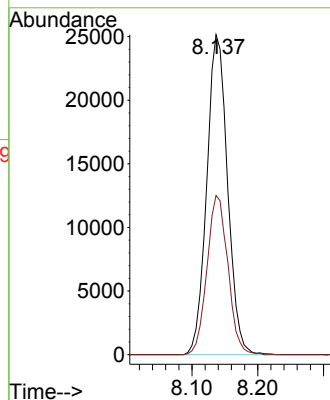
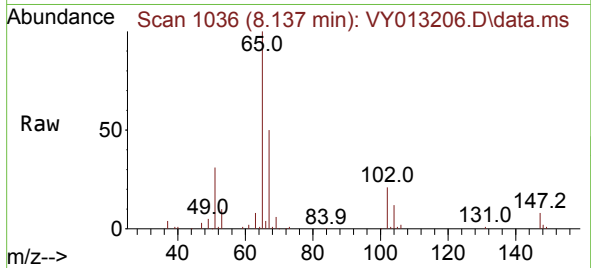




#33
 1,2-Dichloroethane-d4
 Concen: 56.565 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. -0.005 min
 Lab File: VY013206.D
 Acq: 05 Apr 2023 12:57

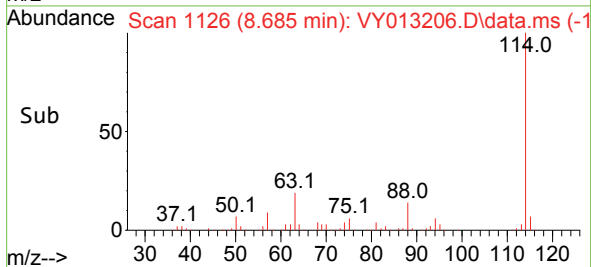
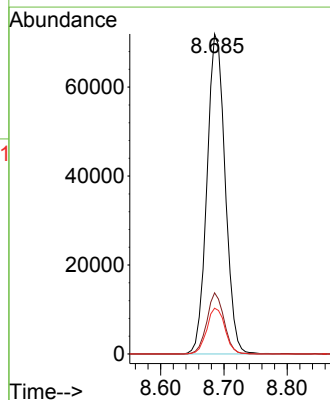
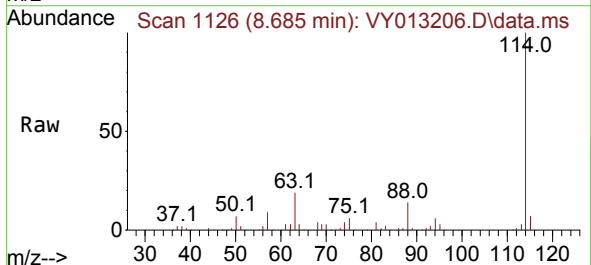
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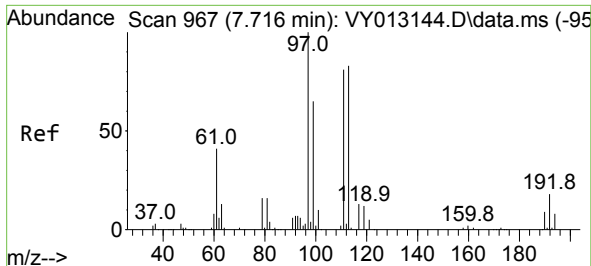
Tgt Ion: 65 Resp: 55374
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY013206.D
 Acq: 05 Apr 2023 12:57

Tgt Ion: 114 Resp: 143482
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.4
 88 14.3 0.0 28.6

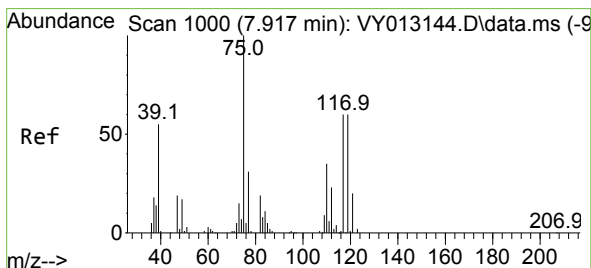
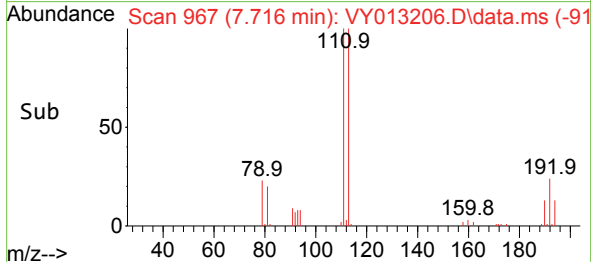
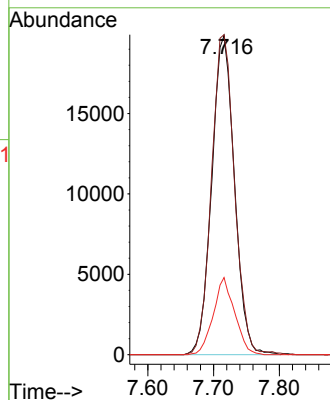
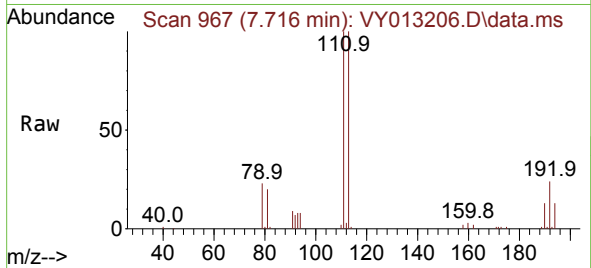




#35
Dibromofluoromethane
Concen: 50.865 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013206.D
Acq: 05 Apr 2023 12:57

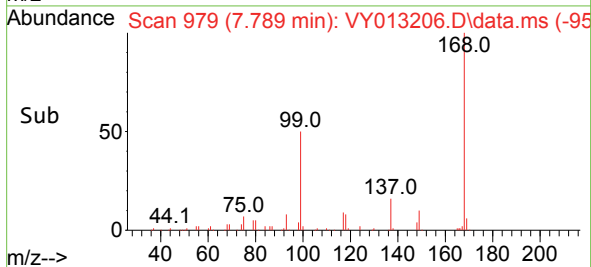
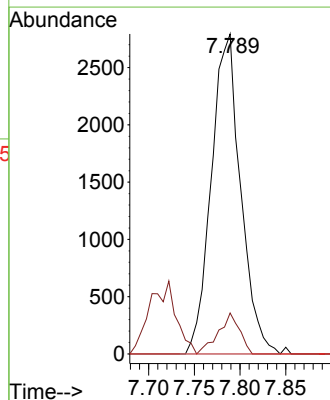
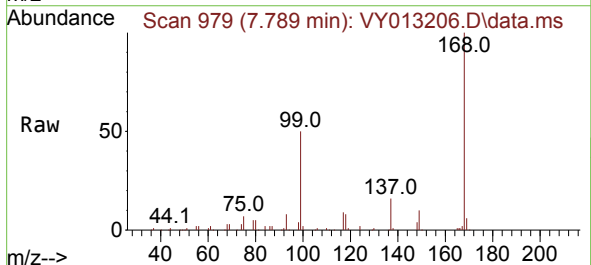
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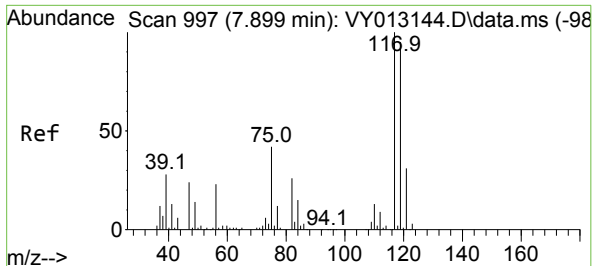
Tgt Ion:113 Resp: 47677
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.2
192 22.7 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.414 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013206.D
Acq: 05 Apr 2023 12:57

Tgt Ion: 75 Resp: 6228
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.3#
77 0.0 25.0 37.4#

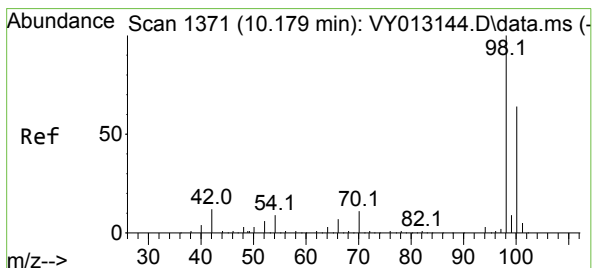
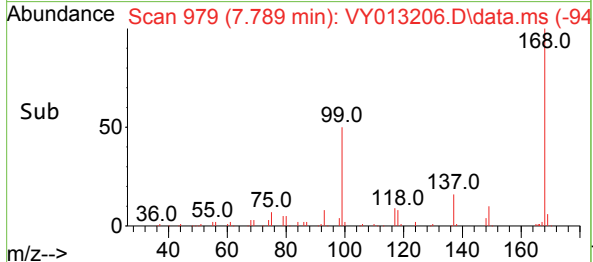
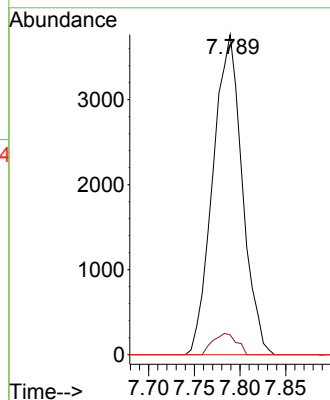
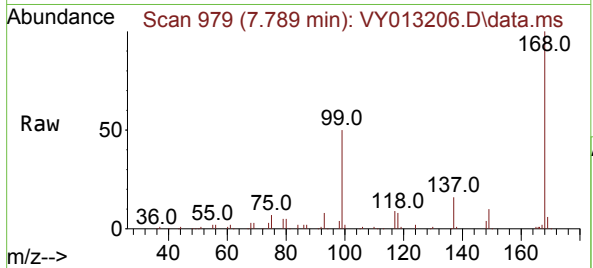




#38
Carbon Tetrachloride
Concen: 5.410 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013206.D
Acq: 05 Apr 2023 12:57

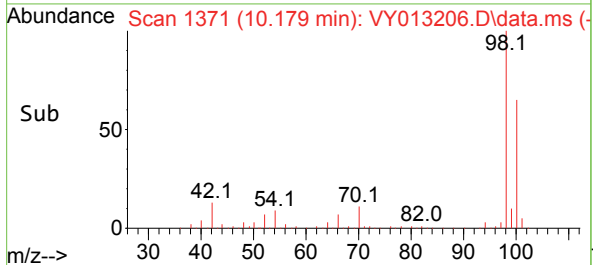
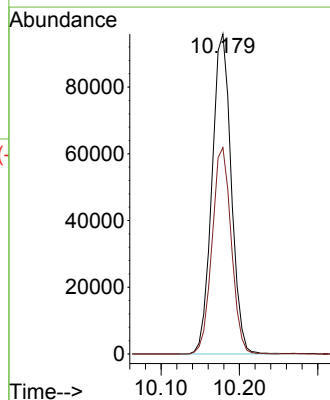
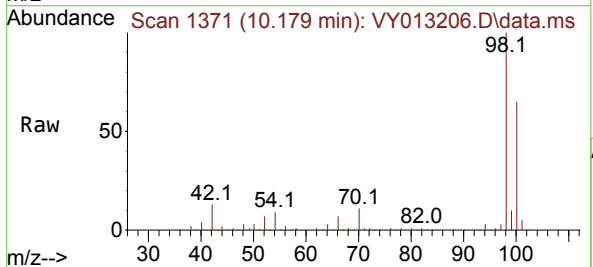
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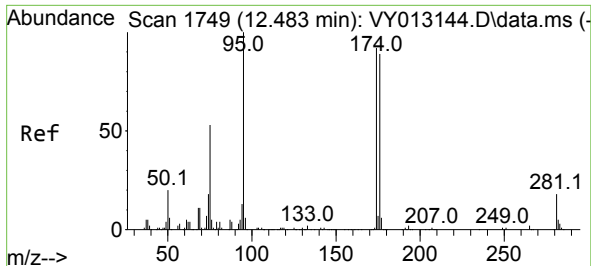
Tgt Ion:117 Resp: 8423
Ion Ratio Lower Upper
117 100
119 6.2 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 46.245 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013206.D
Acq: 05 Apr 2023 12:57

Tgt Ion: 98 Resp: 163639
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3

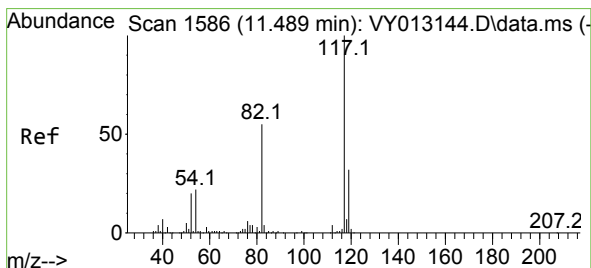
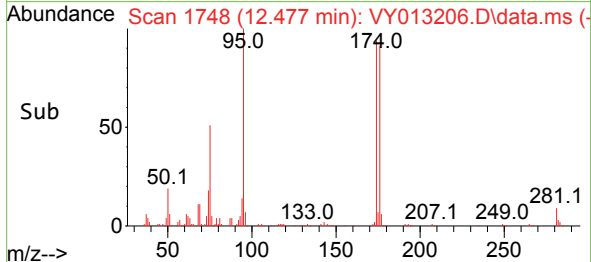
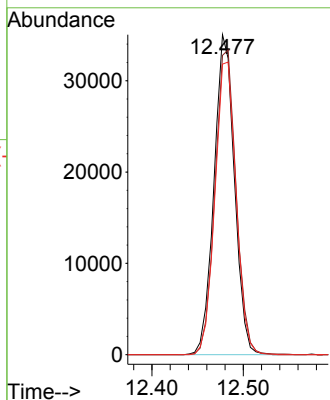
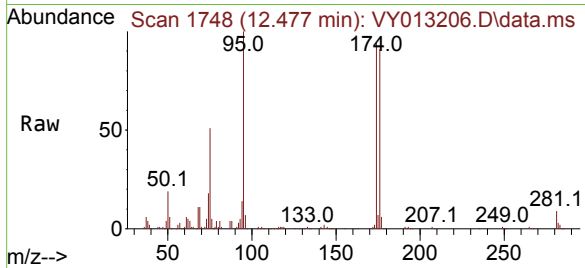




#62
4-Bromofluorobenzene
Concen: 47.162 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013206.D
Acq: 05 Apr 2023 12:57

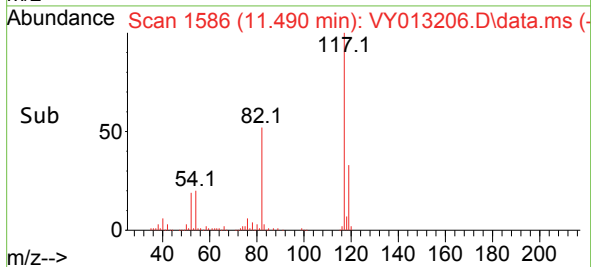
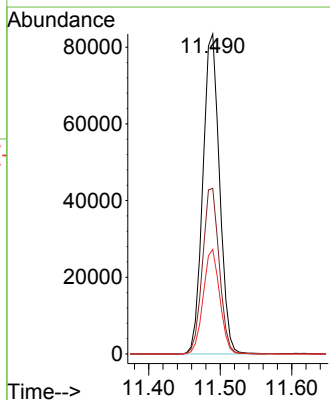
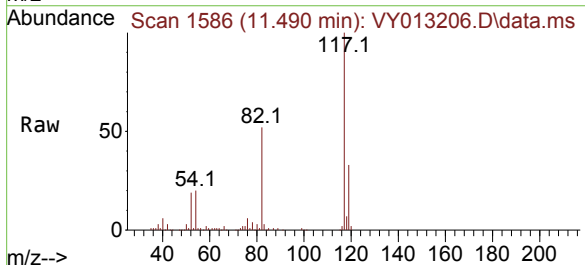
Instrument :
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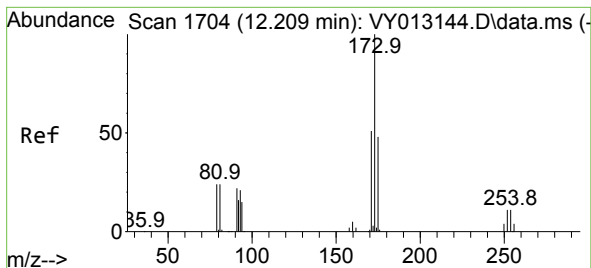
Tgt Ion: 95 Resp: 54321
Ion Ratio Lower Upper
95 100
174 98.7 0.0 176.6
176 94.9 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013206.D
Acq: 05 Apr 2023 12:57

Tgt Ion: 117 Resp: 135337
Ion Ratio Lower Upper
117 100
82 51.8 45.4 68.0
119 32.6 25.6 38.4





#71

Bromoform

Concen: 1.020 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.268 min

Lab File: VY013206.D

Acq: 05 Apr 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-040323

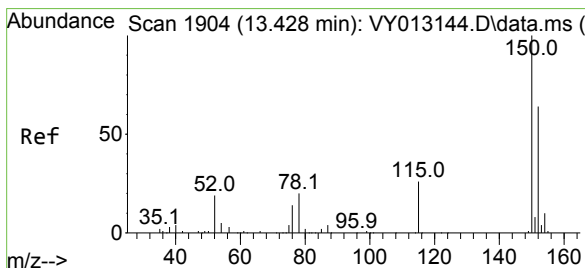
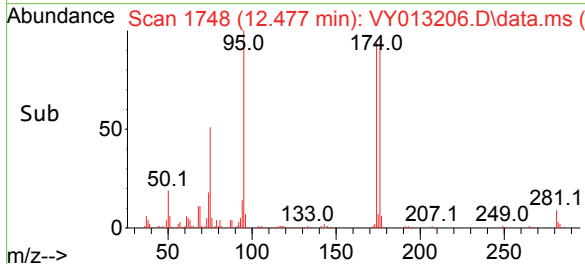
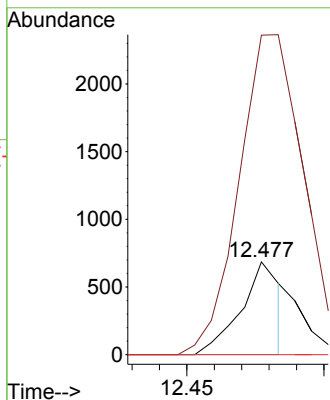
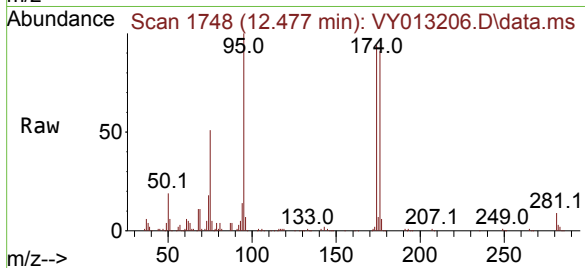
Tgt Ion:173 Resp: 681

Ion Ratio Lower Upper

173 100

175 0.0 25.0 75.0#

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY013206.D

Acq: 05 Apr 2023 12:57

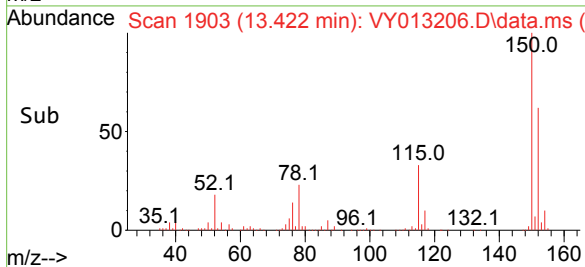
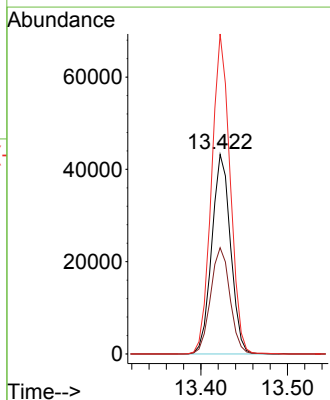
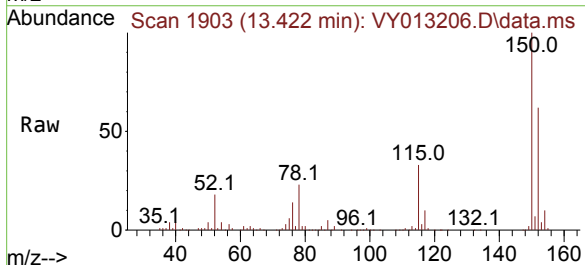
Tgt Ion:152 Resp: 65208

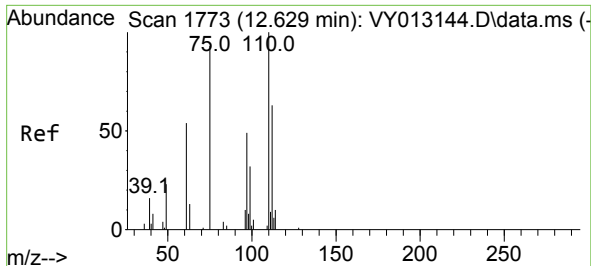
Ion Ratio Lower Upper

152 100

115 54.8 27.1 81.3

150 158.3 0.0 347.8

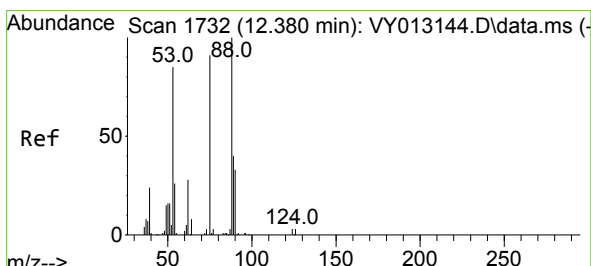
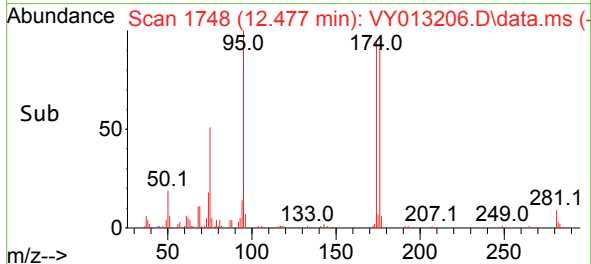
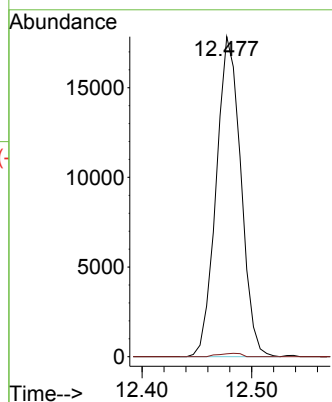
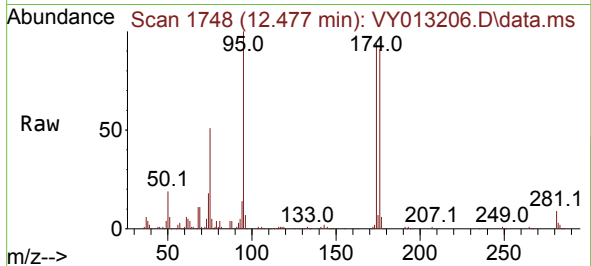




#76
1,2,3-Trichloropropane
Concen: 38.092 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013206.D
Acq: 05 Apr 2023 12:57

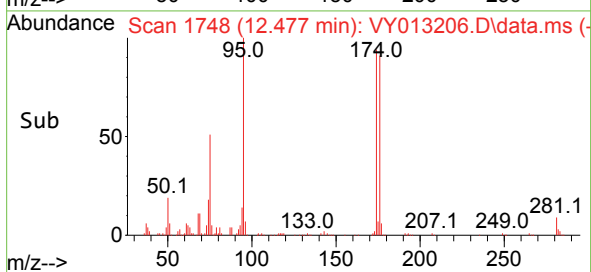
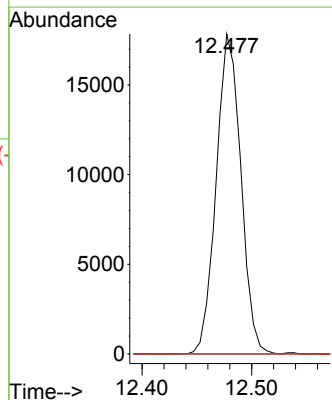
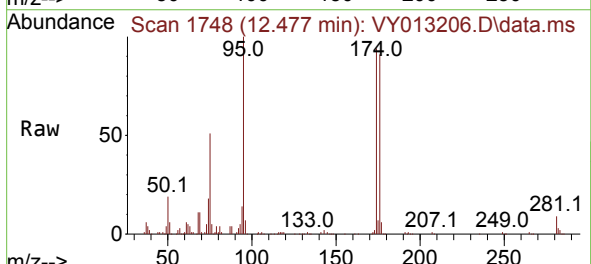
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-040323

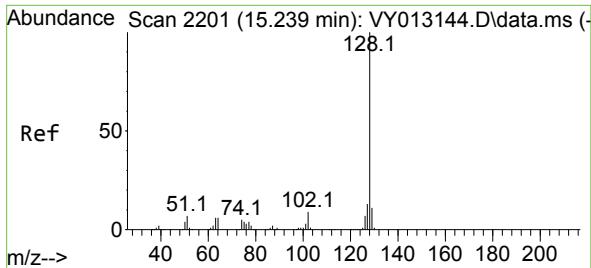
Tgt Ion: 75 Resp: 27904
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.950 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY013206.D
Acq: 05 Apr 2023 12:57

Tgt Ion: 75 Resp: 27904
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#





#95

Naphthalene

Concen: 3.481 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY013206.D

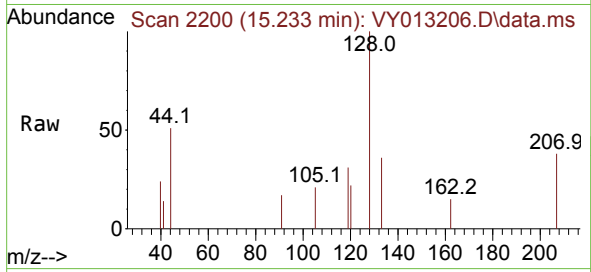
Acq: 05 Apr 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-040323



Tgt Ion:128 Resp: 649

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

