

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014806.D
 Acq On : 25 Jul 2023 16:57
 Operator : SY/MD
 Sample : 03742-07
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP-03

Quant Time: Jul 26 01:20:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

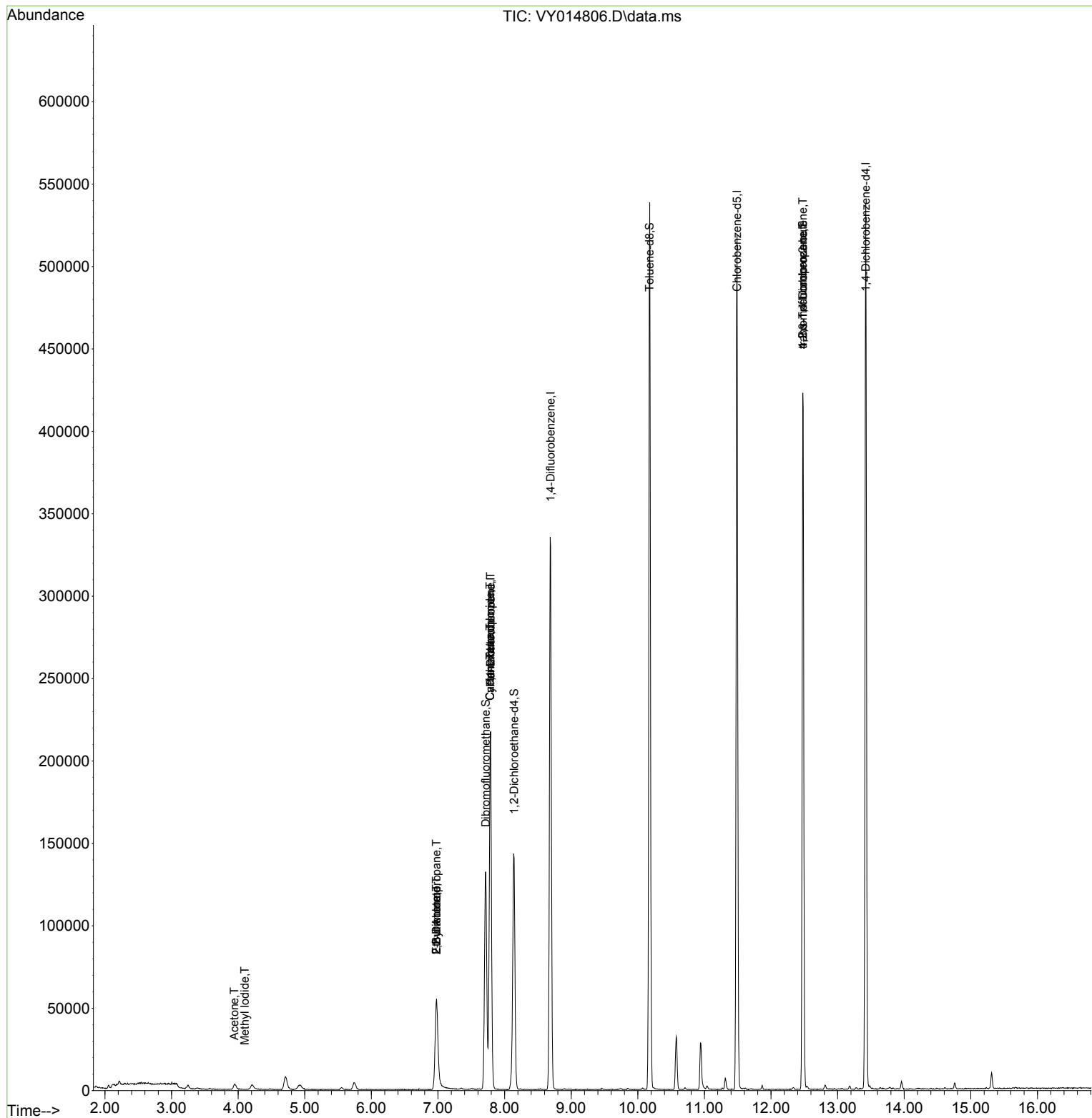
Internal Standards						
1) Pentafluorobenzene	7.789	168	168483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	294319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	280849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	136207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	110393	57.498	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.000%
35) Dibromofluoromethane	7.716	113	92137	49.177	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.360%
50) Toluene-d8	10.179	98	349587	50.610	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.220%
62) 4-Bromofluorobenzene	12.477	95	129531	48.906	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.820%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.101	142	41	2.390	ug/l #	38
11) Tert butyl alcohol	4.930	59	4005	Below Cal	#	89
16) Acetone	3.942	43	6231	10.242	ug/l	94
20) Methylene Chloride	4.716	84	5754	Below Cal		88
25) 2-Butanone	6.978	43	3053	3.430	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	4224	1.293	ug/l #	54
31) Cyclohexane	7.783	56	3593	1.127	ug/l #	7
36) 1,1-Dichloropropene	7.789	75	12832	4.580	ug/l #	51
37) Ethyl Acetate	6.978	43	3053	1.583	ug/l #	1
38) Carbon Tetrachloride	7.783	117	17505	5.910	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	69249	40.255	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	69249	77.941	ug/l #	11

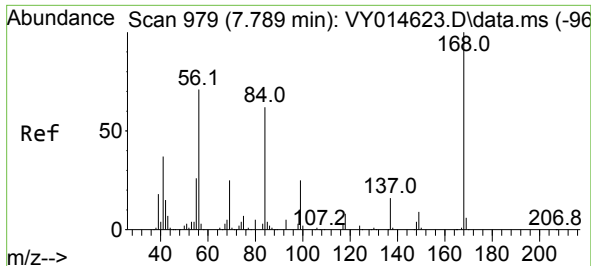
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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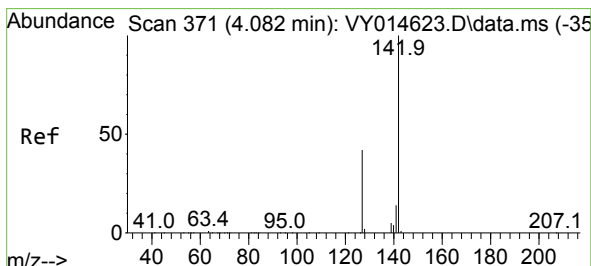
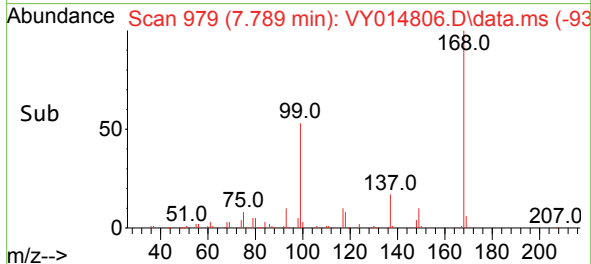
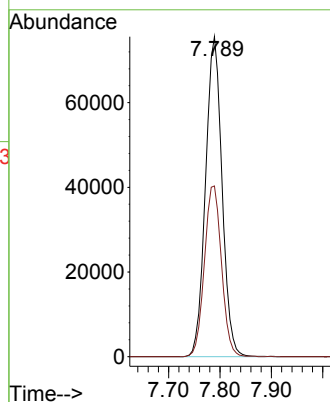
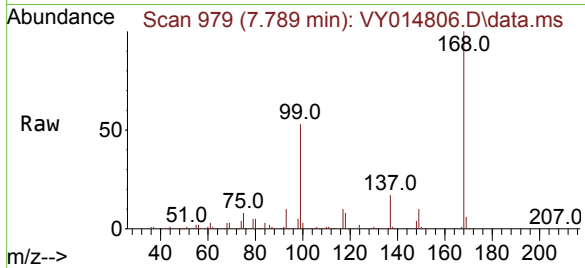




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014806.D
Acq: 25 Jul 2023 16:57

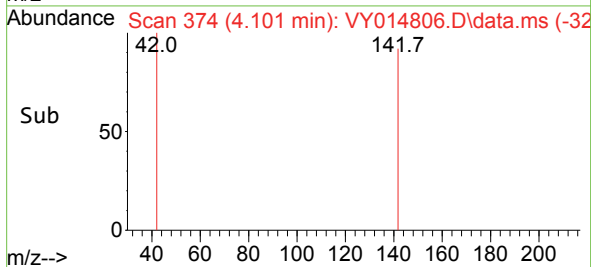
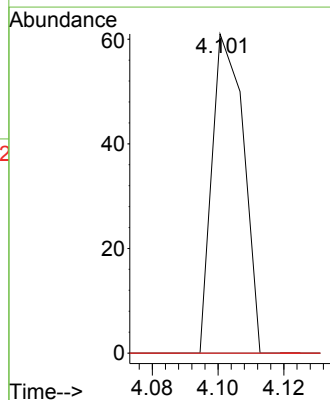
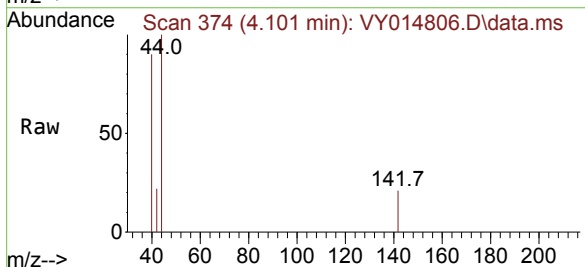
Instrument :
MSVOA_Y
ClientSampleId :
DUP-03

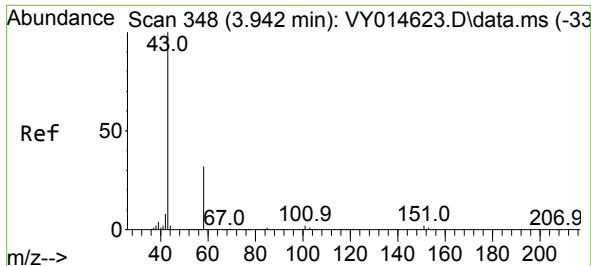
Tgt Ion:168 Resp: 168483
Ion Ratio Lower Upper
168 100
99 53.4 43.4 65.0



#10
Methyl Iodide
Concen: 2.390 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.019 min
Lab File: VY014806.D
Acq: 25 Jul 2023 16:57

Tgt Ion:142 Resp: 41
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 10.242 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY014806.D

Acq: 25 Jul 2023 16:57

Instrument :

MSVOA_Y

ClientSampleId :

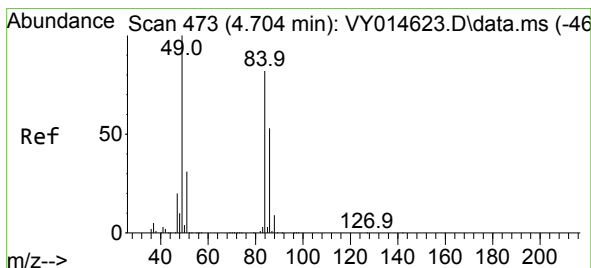
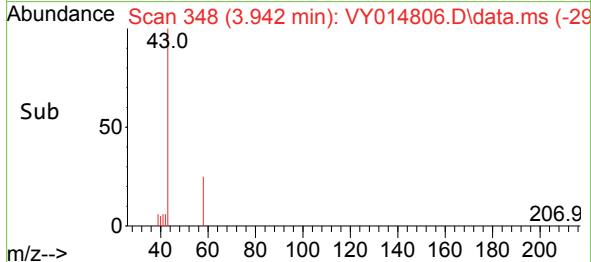
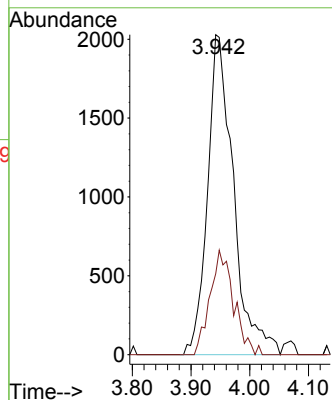
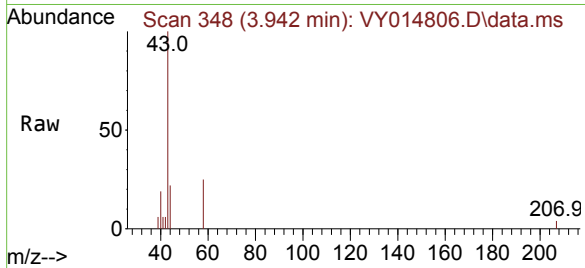
DUP-03

Tgt Ion: 43 Resp: 6231

Ion Ratio Lower Upper

43 100

58 25.3 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.012 min

Lab File: VY014806.D

Acq: 25 Jul 2023 16:57

Tgt Ion: 84 Resp: 5754

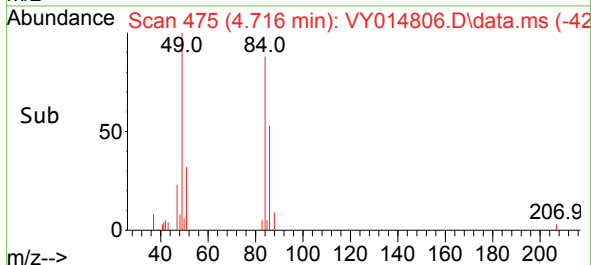
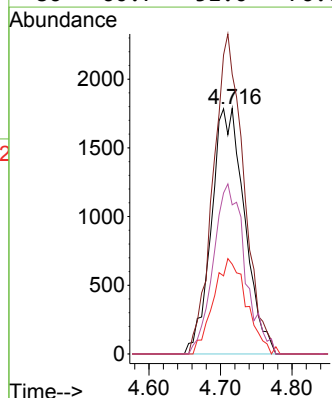
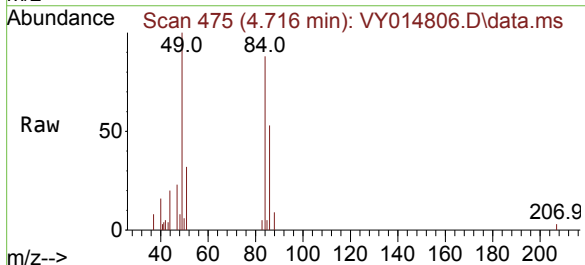
Ion Ratio Lower Upper

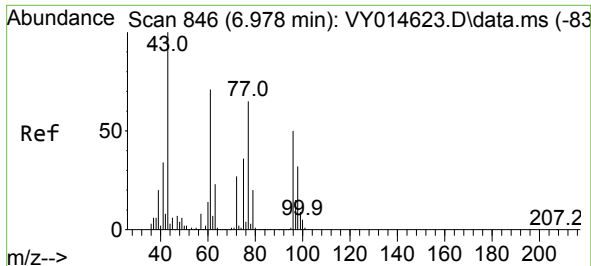
84 100

49 113.9 106.9 160.3

51 36.5 33.2 49.8

86 60.7 51.0 76.6

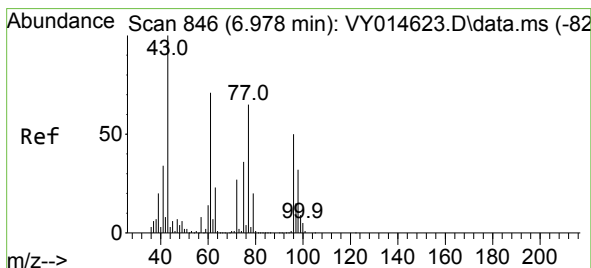
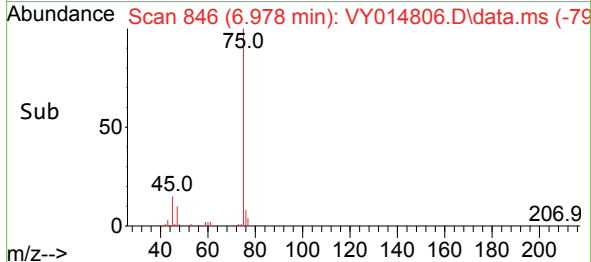
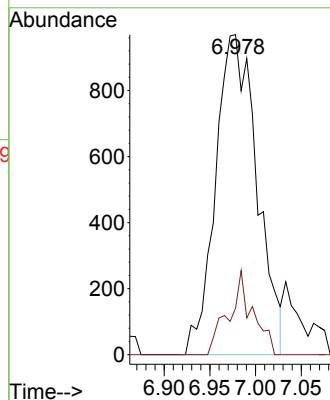
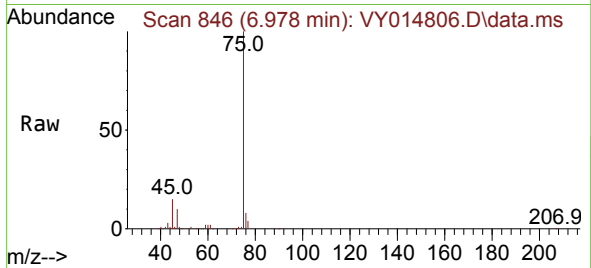




#25
2-Butanone
Concen: 3.430 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014806.D
Acq: 25 Jul 2023 16:57

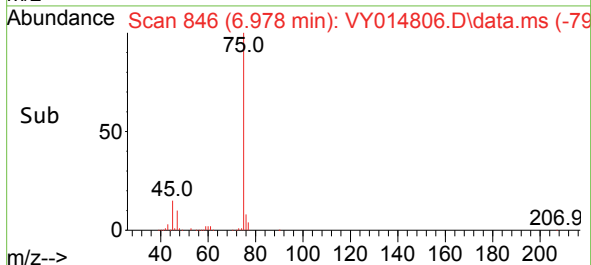
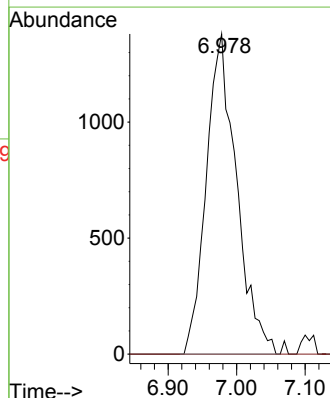
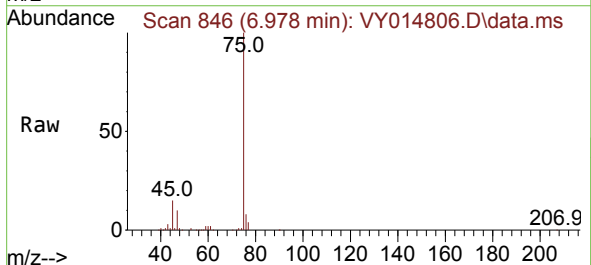
Instrument :
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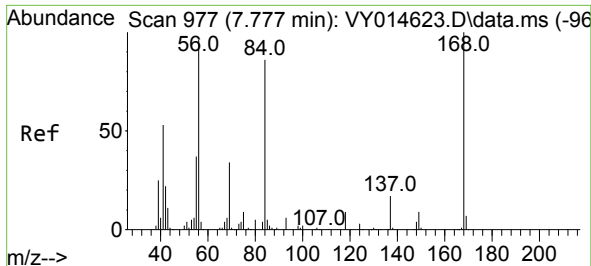
Tgt Ion: 43 Resp: 3053
Ion Ratio Lower Upper
43 100
72 14.6 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.293 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014806.D
Acq: 25 Jul 2023 16:57

Tgt Ion: 77 Resp: 4224
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

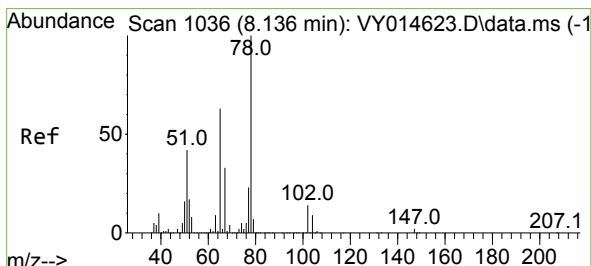
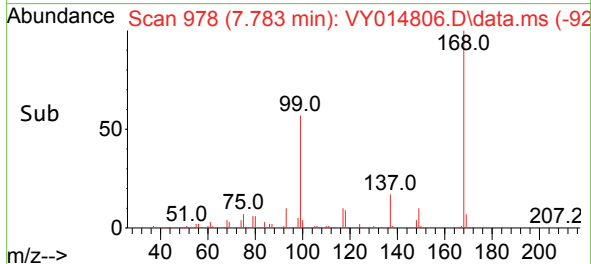
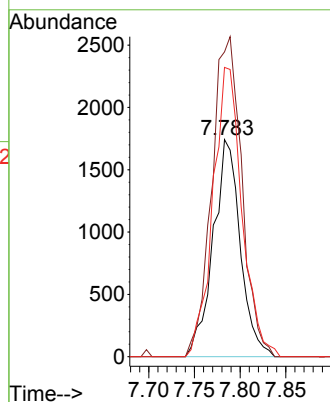
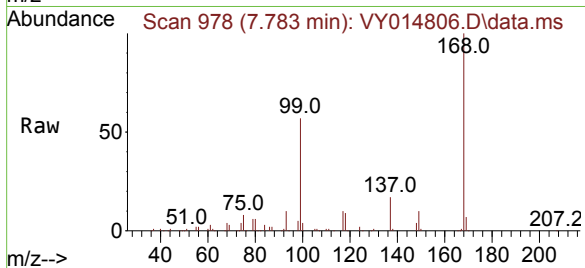




#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014806.D
Acq: 25 Jul 2023 16:57

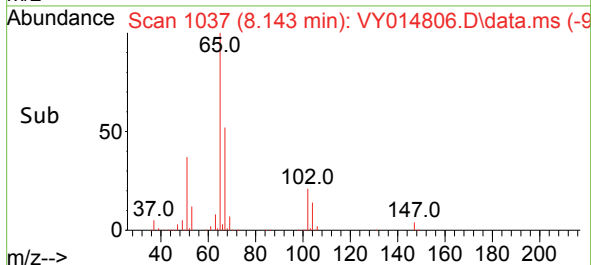
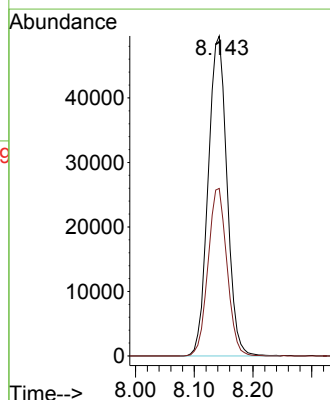
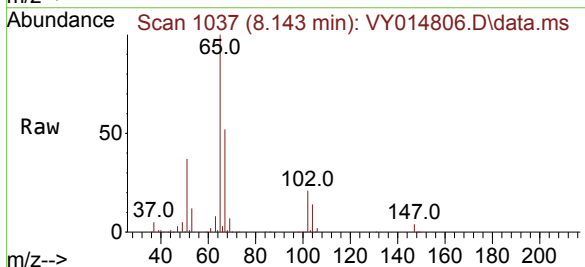
Instrument :
MSVOA_Y
ClientSampleId :
DUP-03

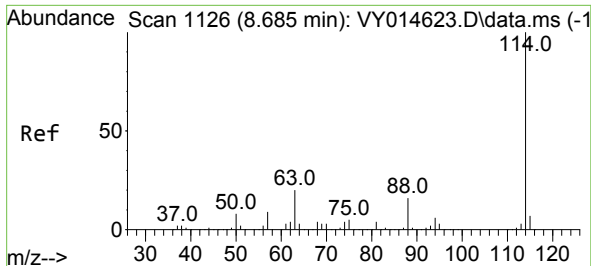
Tgt Ion: 56 Resp: 3593
Ion Ratio Lower Upper
56 100
69 140.3 27.8 41.6#
84 133.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 57.498 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY014806.D
Acq: 25 Jul 2023 16:57

Tgt Ion: 65 Resp: 110393
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.8

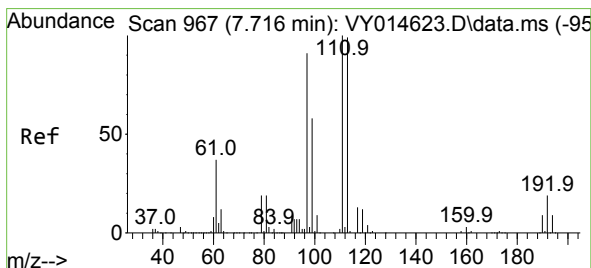
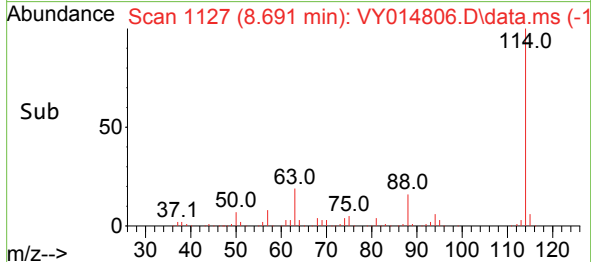
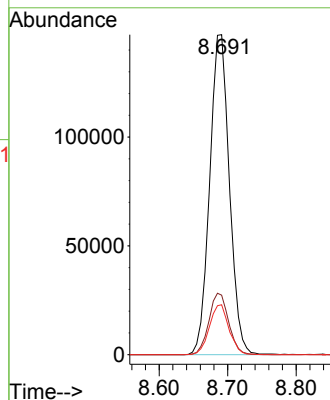
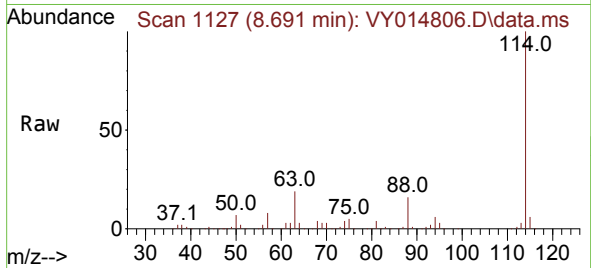




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014806.D
Acq: 25 Jul 2023 16:57

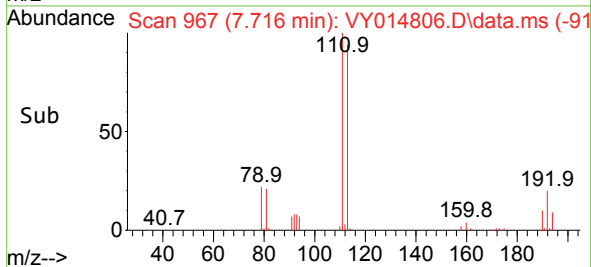
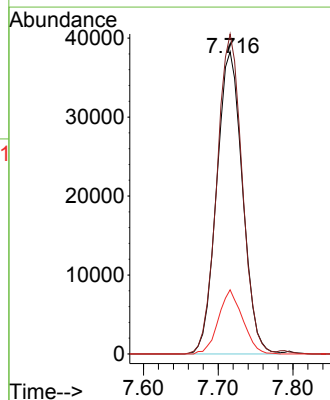
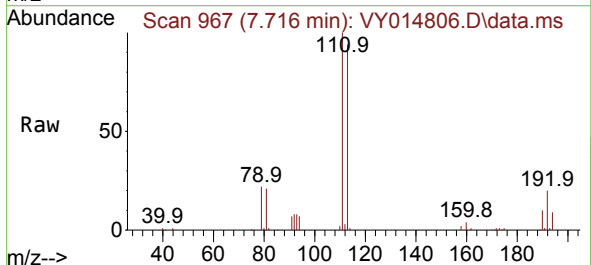
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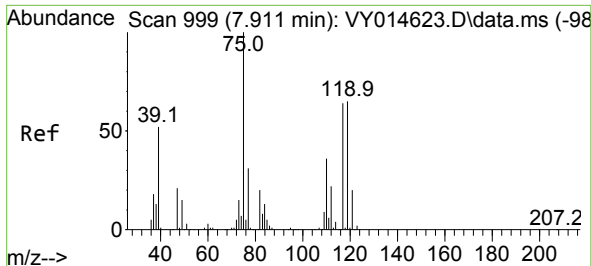
Tgt Ion:114 Resp: 294319
Ion Ratio Lower Upper
114 100
63 18.6 0.0 42.4
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.177 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014806.D
Acq: 25 Jul 2023 16:57

Tgt Ion:113 Resp: 92137
Ion Ratio Lower Upper
113 100
111 103.8 81.3 121.9
192 19.8 16.9 25.3

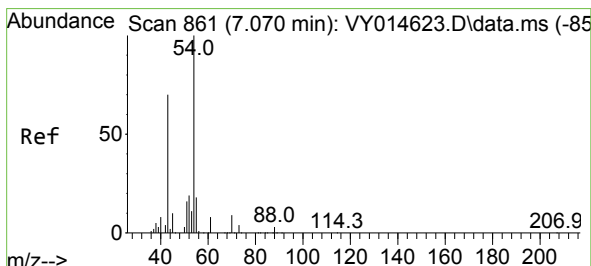
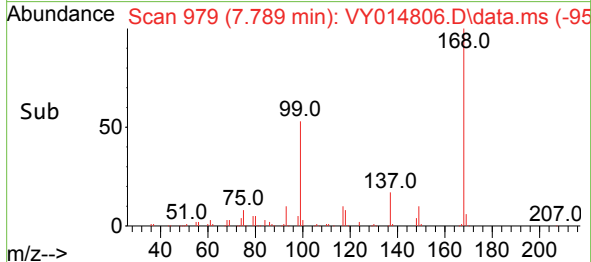
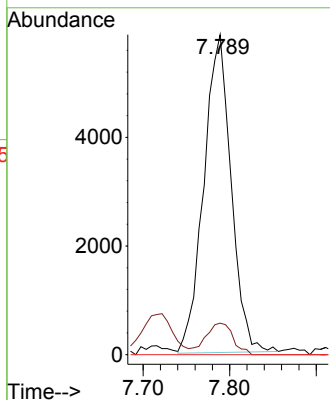
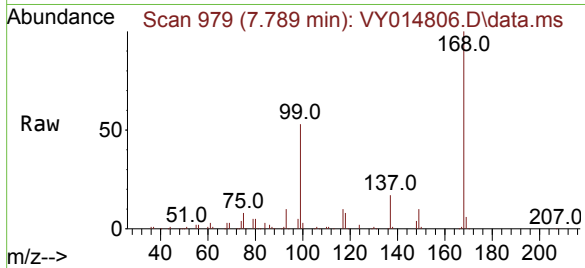




#36
1,1-Dichloropropene
Concen: 4.580 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY014806.D
Acq: 25 Jul 2023 16:57

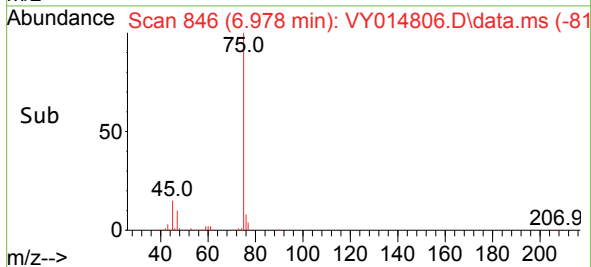
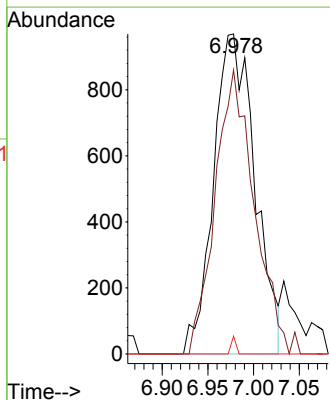
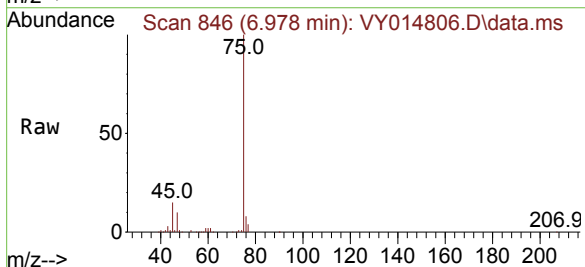
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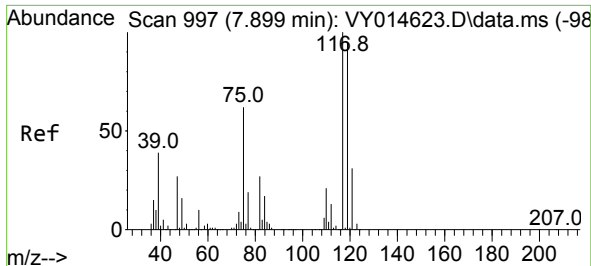
Tgt Ion: 75 Resp: 12832
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.583 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY014806.D
Acq: 25 Jul 2023 16:57

Tgt Ion: 43 Resp: 3053
Ion Ratio Lower Upper
43 100
61 84.3 10.1 15.1#
70 0.7 7.1 10.7#

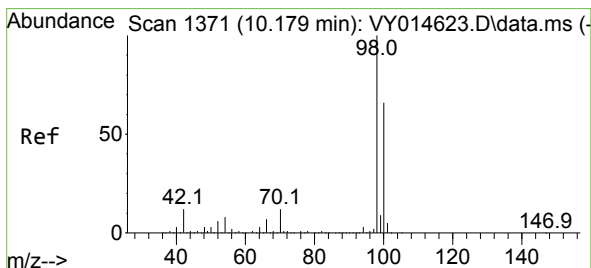
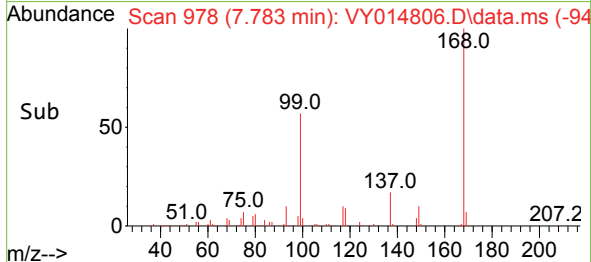
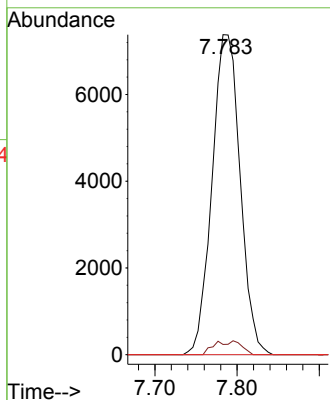
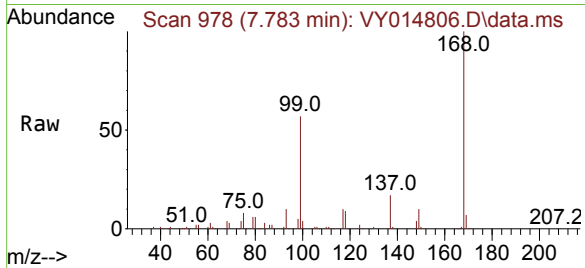




#38
Carbon Tetrachloride
Concen: 5.910 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014806.D
Acq: 25 Jul 2023 16:57

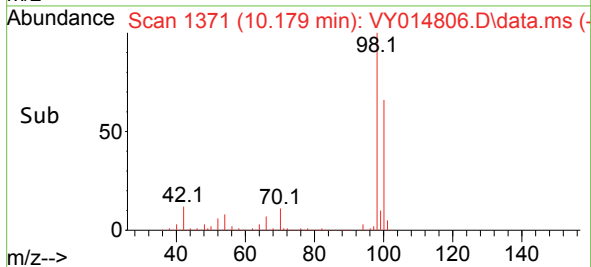
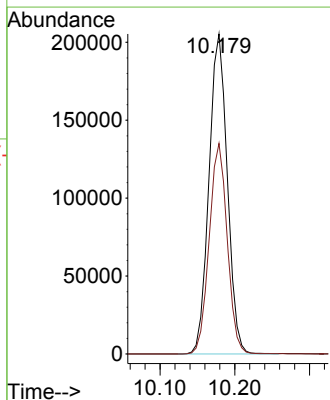
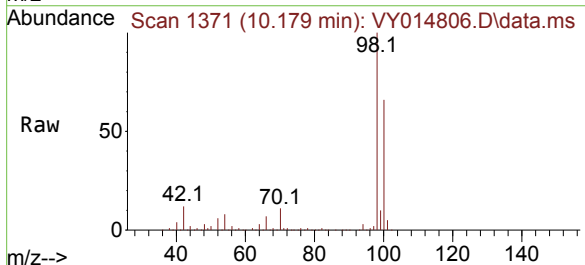
Instrument :
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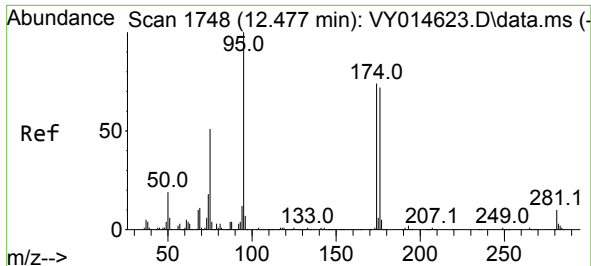
Tgt Ion:117 Resp: 17505
Ion Ratio Lower Upper
117 100
119 3.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.610 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014806.D
Acq: 25 Jul 2023 16:57

Tgt Ion: 98 Resp: 349587
Ion Ratio Lower Upper
98 100
100 64.7 50.1 75.1

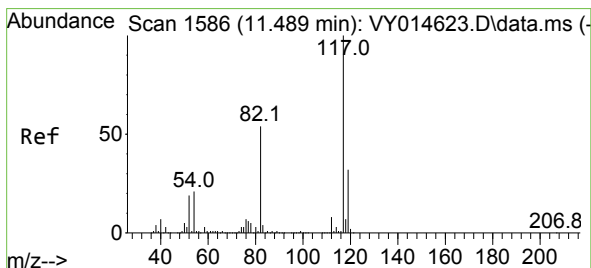
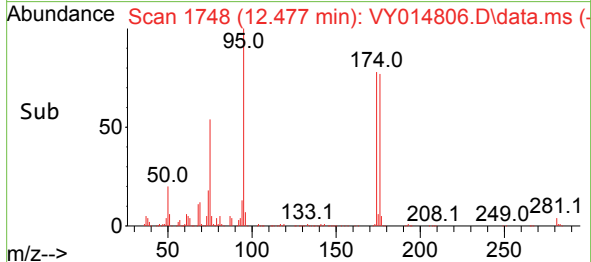
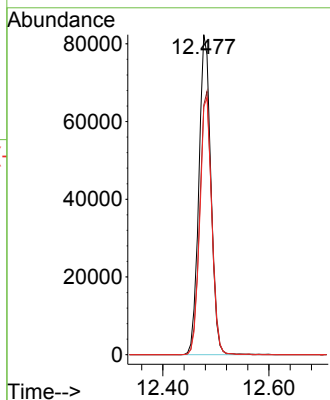
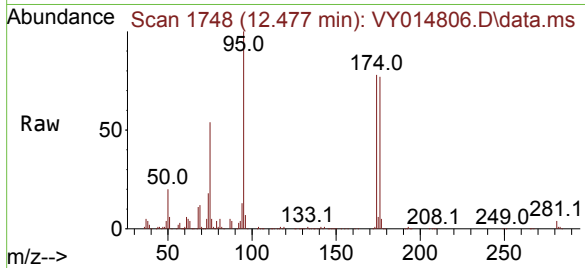




#62
4-Bromofluorobenzene
Concen: 48.906 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014806.D
Acq: 25 Jul 2023 16:57

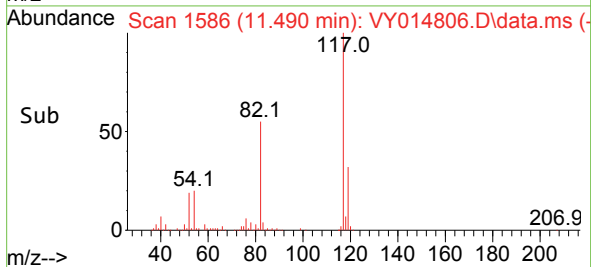
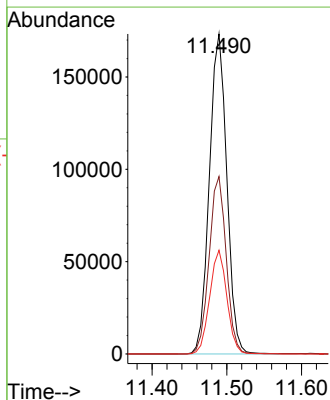
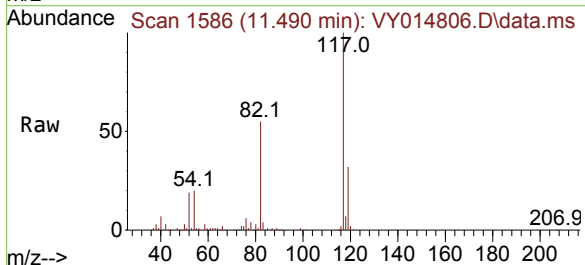
Instrument :
MSVOA_Y
ClientSampleId :
DUP-03

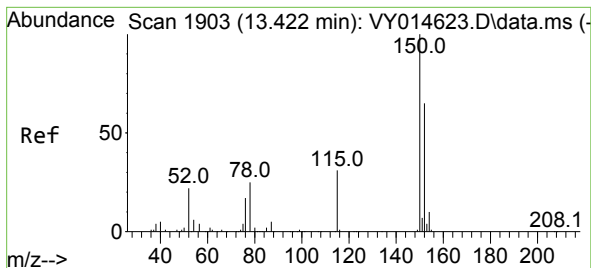
Tgt Ion: 95 Resp: 129531
Ion Ratio Lower Upper
95 100
174 82.4 0.0 178.2
176 79.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014806.D
Acq: 25 Jul 2023 16:57

Tgt Ion: 117 Resp: 280849
Ion Ratio Lower Upper
117 100
82 55.5 43.4 65.0
119 32.4 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014806.D

Acq: 25 Jul 2023 16:57

Instrument :

MSVOA_Y

ClientSampleId :

DUP-03

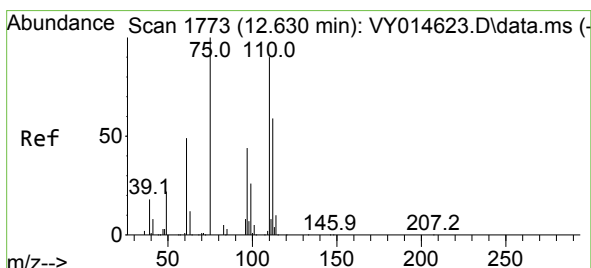
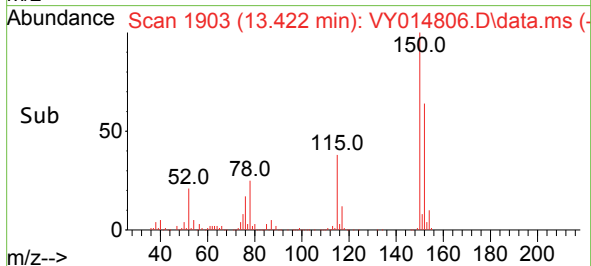
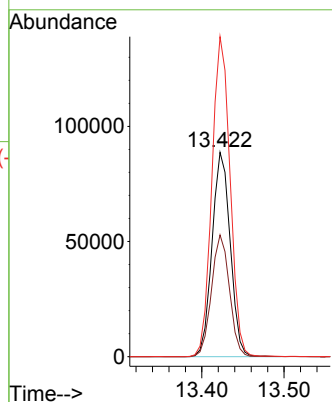
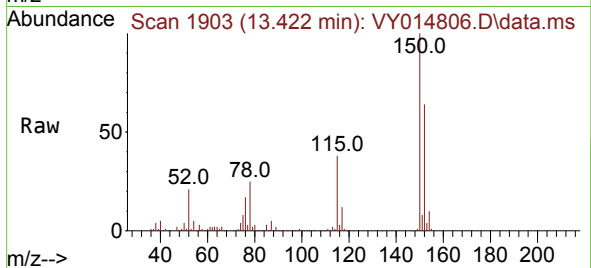
Tgt Ion:152 Resp: 136207

Ion Ratio Lower Upper

152 100

115 58.9 28.8 86.5

150 156.9 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.255 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014806.D

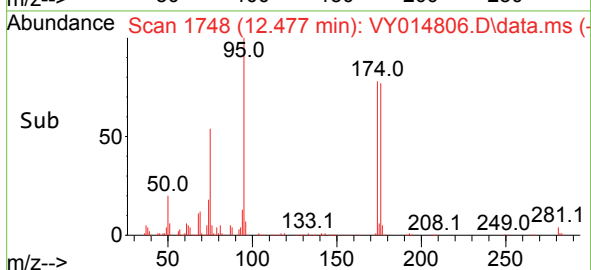
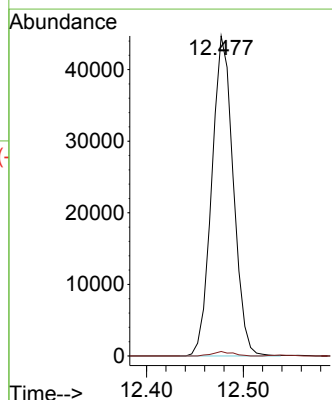
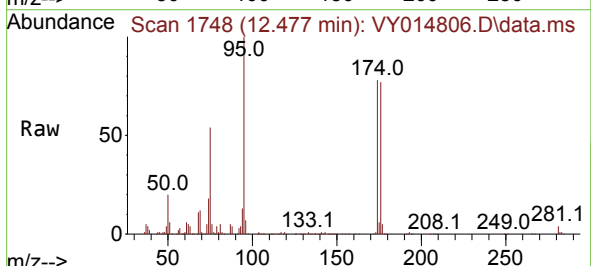
Acq: 25 Jul 2023 16:57

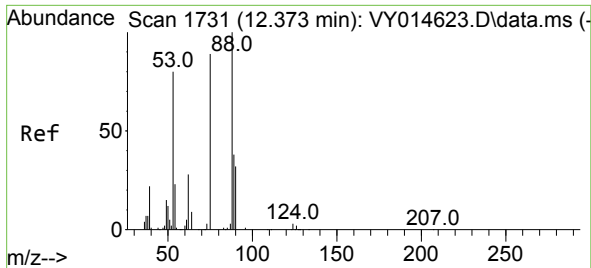
Tgt Ion: 75 Resp: 69249

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.941 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014806.D
 Acq: 25 Jul 2023 16:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP-03

Tgt Ion: 75 Resp: 69249
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

