

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014807.D
 Acq On : 25 Jul 2023 17:20
 Operator : SY/MD
 Sample : 03742-08
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP-04

Quant Time: Jul 26 01:20:55 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	155517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	270367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	248001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	115060	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	90620	51.135	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.260%
35) Dibromofluoromethane	7.716	113	82771	48.092	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.180%
50) Toluene-d8	10.179	98	317166	49.984	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.960%
62) 4-Bromofluorobenzene	12.477	95	111742	45.927	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.860%

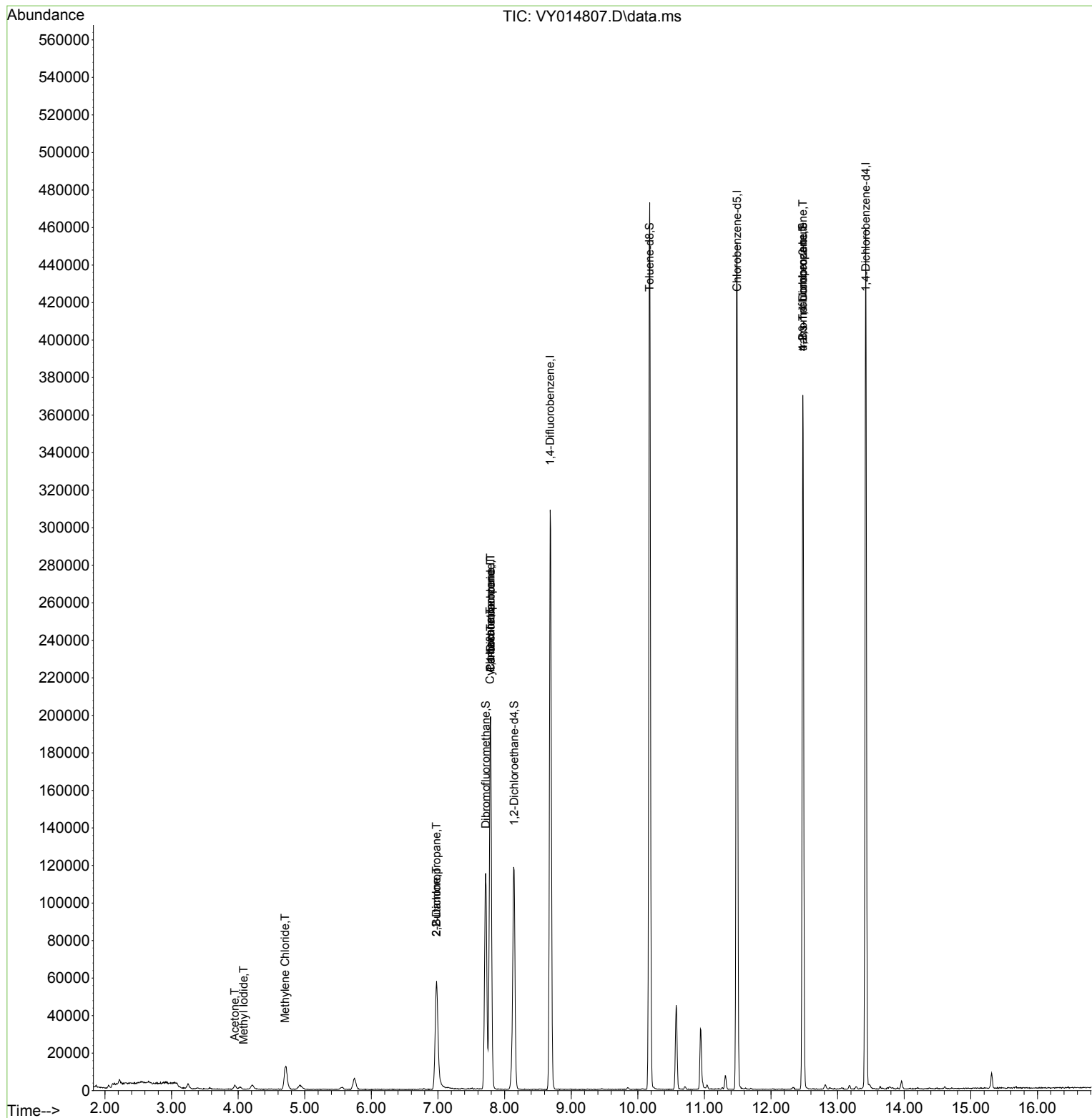
Target Compounds					Qvalue	
10) Methyl Iodide	4.082	142	19	2.380	ug/l #	38
11) Tert butyl alcohol	4.930	59	2926	Below Cal	#	89
16) Acetone	3.948	43	3659	6.516	ug/l #	81
20) Methylene Chloride	4.704	84	9716	1.205	ug/l #	83
25) 2-Butanone	6.978	43	3270	3.980	ug/l #	83
26) 2,2-Dichloropropane	6.978	77	4335	1.438	ug/l #	54
31) Cyclohexane	7.783	56	3399	1.155	ug/l #	15
36) 1,1-Dichloropropene	7.789	75	12933	5.025	ug/l #	49
38) Carbon Tetrachloride	7.789	117	15297	5.622	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	59026	40.619	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	59026	78.645	ug/l #	11

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

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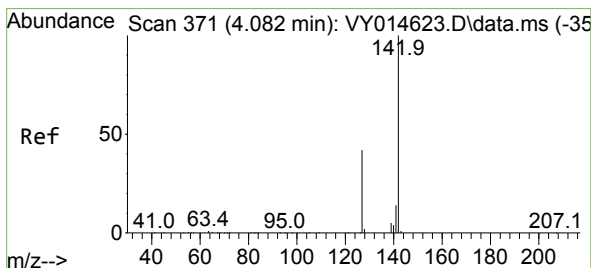
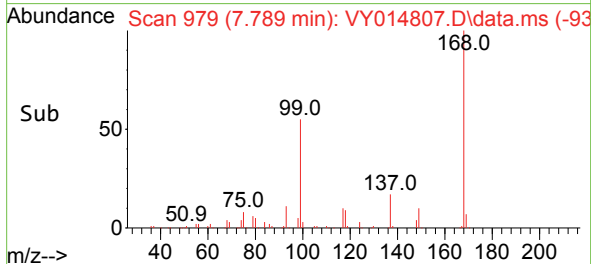
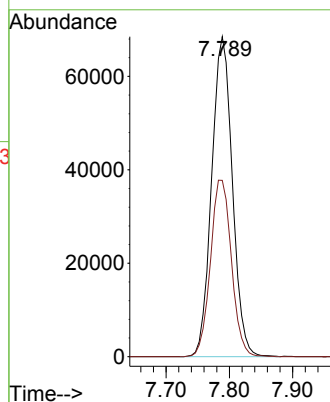
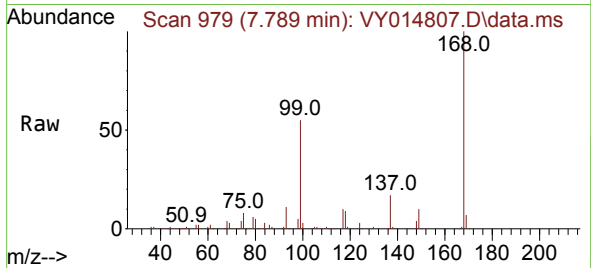




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014807.D
Acq: 25 Jul 2023 17:20

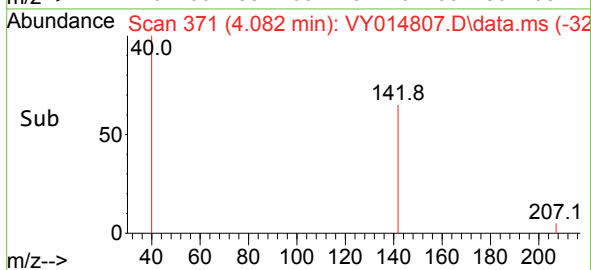
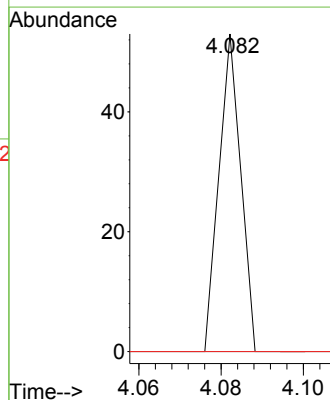
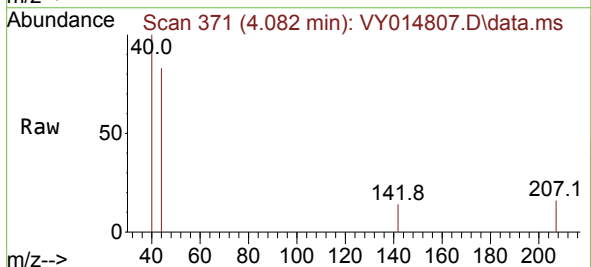
Instrument :
MSVOA_Y
ClientSampleId :
DUP-04

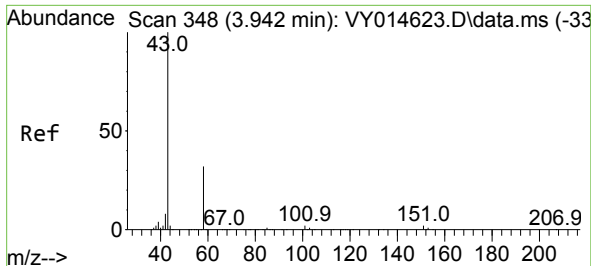
Tgt Ion:168 Resp: 155517
Ion Ratio Lower Upper
168 100
99 55.1 43.4 65.0



#10
Methyl Iodide
Concen: 2.380 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014807.D
Acq: 25 Jul 2023 17:20

Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 6.516 ug/l

RT: 3.948 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY014807.D

Acq: 25 Jul 2023 17:20

Instrument :

MSVOA_Y

ClientSampleId :

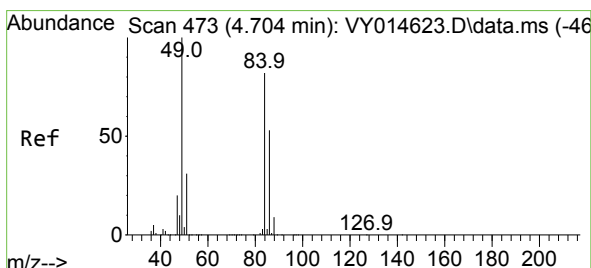
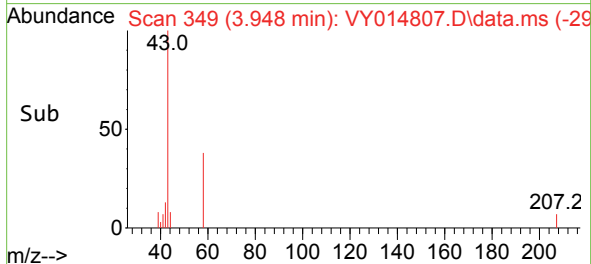
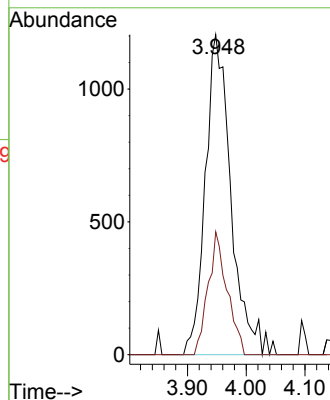
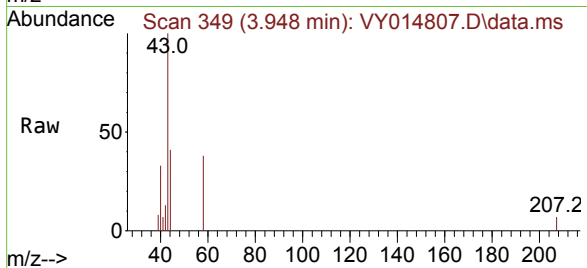
DUP-04

Tgt Ion: 43 Resp: 3659

Ion Ratio Lower Upper

43 100

58 38.4 22.7 34.1#



#20

Methylene Chloride

Concen: 1.205 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY014807.D

Acq: 25 Jul 2023 17:20

Tgt Ion: 84 Resp: 9716

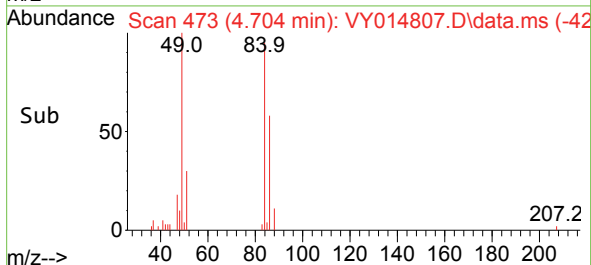
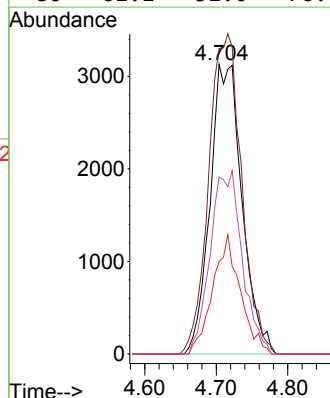
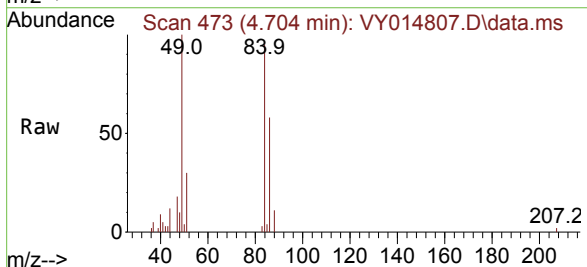
Ion Ratio Lower Upper

84 100

49 105.6 106.9 160.3#

51 31.8 33.2 49.8#

86 61.1 51.0 76.6

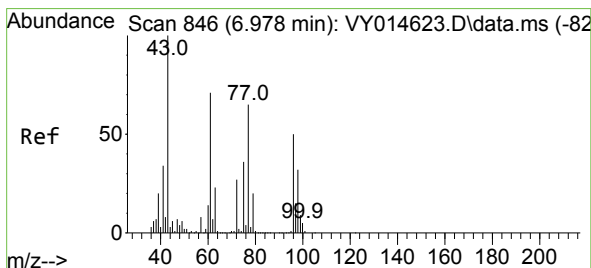
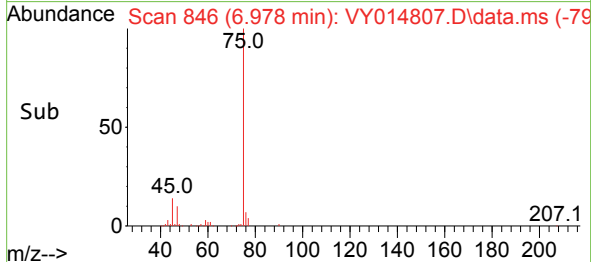
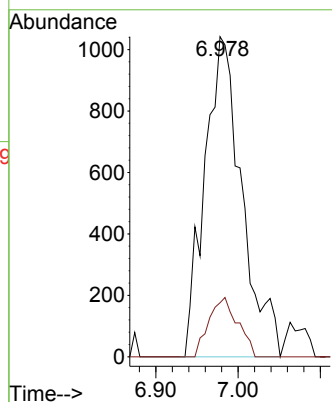
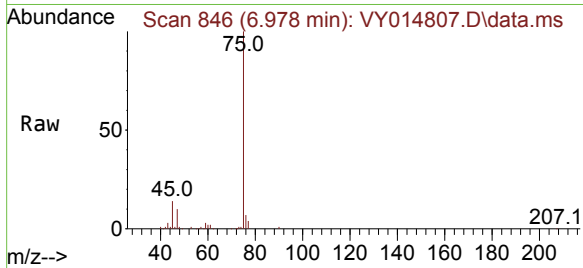




#25
2-Butanone
Concen: 3.980 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY014807.D
Acq: 25 Jul 2023 17:20

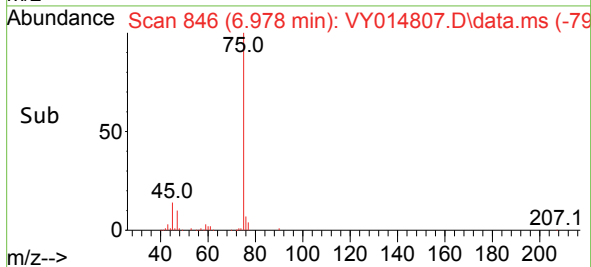
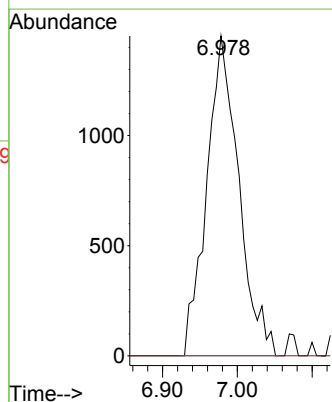
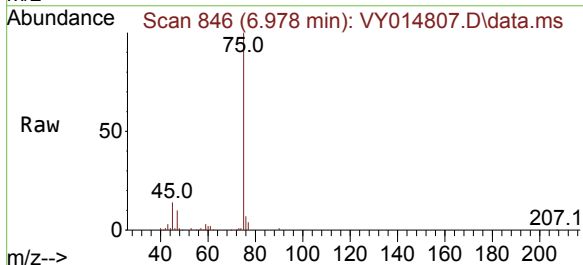
Instrument :
MSVOA_Y
ClientSampleId :
DUP-04

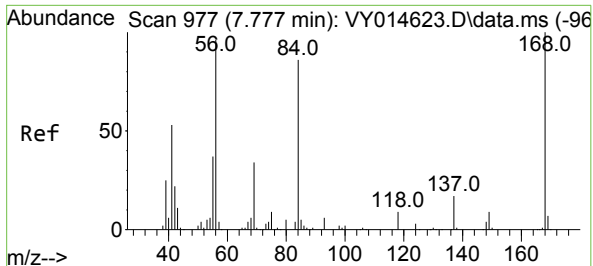
Tgt Ion: 43 Resp: 3270
Ion Ratio Lower Upper
43 100
72 16.9 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.438 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY014807.D
Acq: 25 Jul 2023 17:20

Tgt Ion: 77 Resp: 4335
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

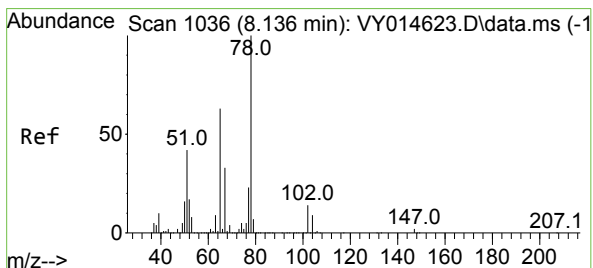
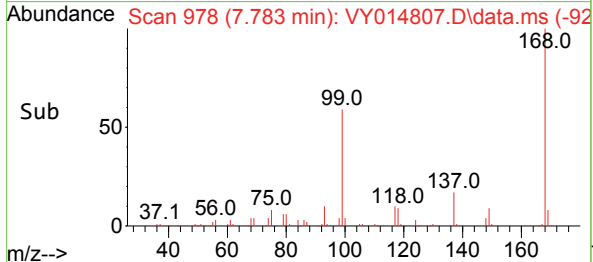
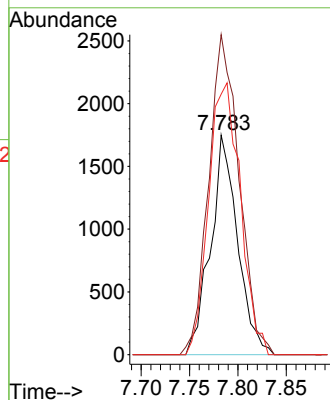
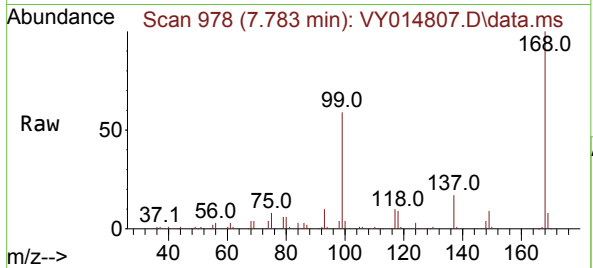




#31
Cyclohexane
Concen: 1.155 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014807.D
Acq: 25 Jul 2023 17:20

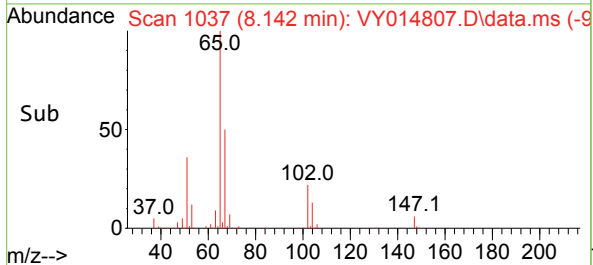
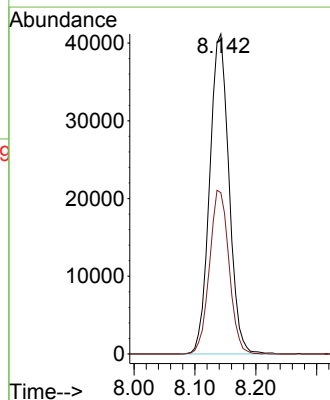
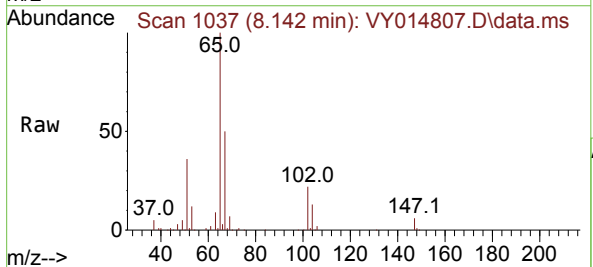
Instrument :
MSVOA_Y
ClientSampleId :
DUP-04

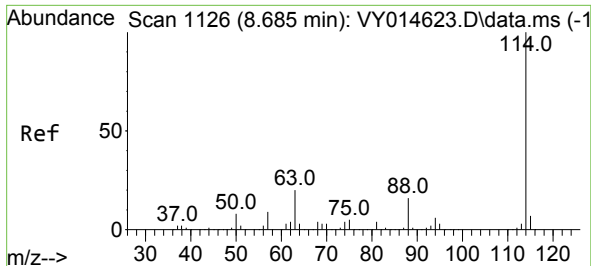
Tgt Ion: 56 Resp: 3399
Ion Ratio Lower Upper
56 100
69 145.8 27.8 41.6#
84 118.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 51.135 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014807.D
Acq: 25 Jul 2023 17:20

Tgt Ion: 65 Resp: 90620
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.8

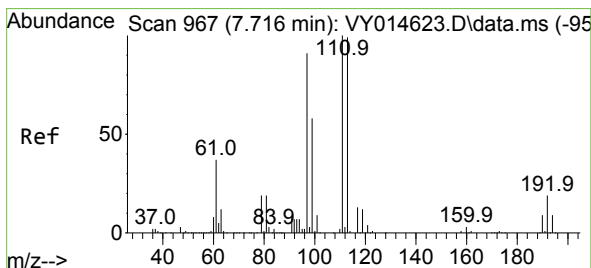
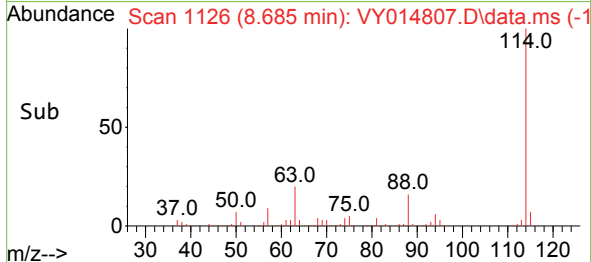
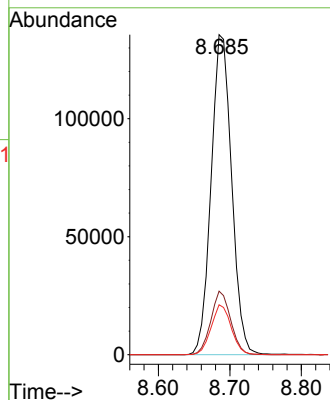
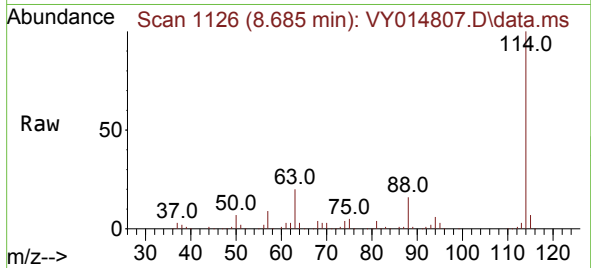




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY014807.D
Acq: 25 Jul 2023 17:20

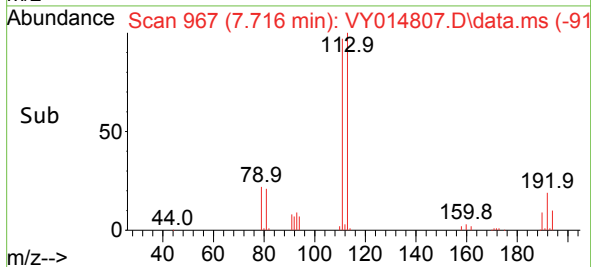
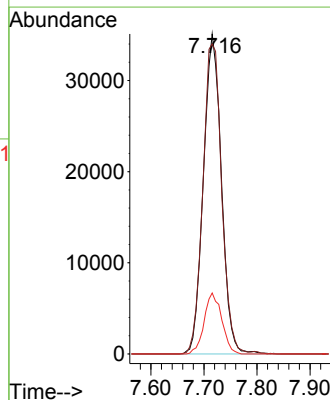
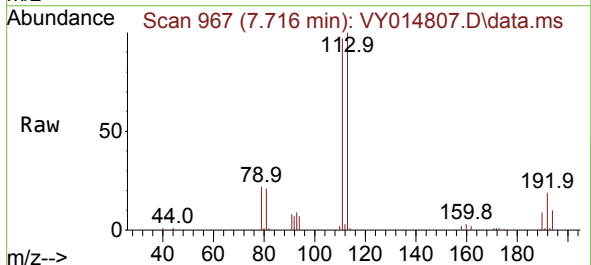
Instrument :
MSVOA_Y
ClientSampleId :
DUP-04

Tgt Ion:114 Resp: 270367
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.4
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.092 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014807.D
Acq: 25 Jul 2023 17:20

Tgt Ion:113 Resp: 82771
Ion Ratio Lower Upper
113 100
111 101.2 81.3 121.9
192 18.6 16.9 25.3

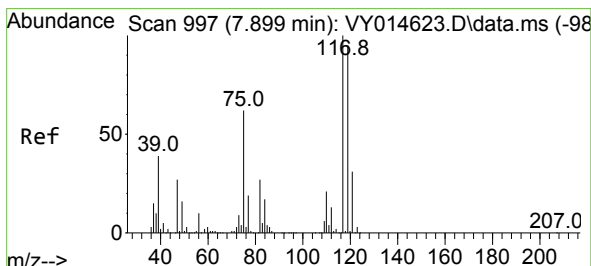
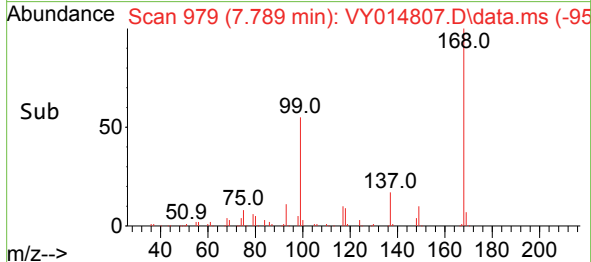
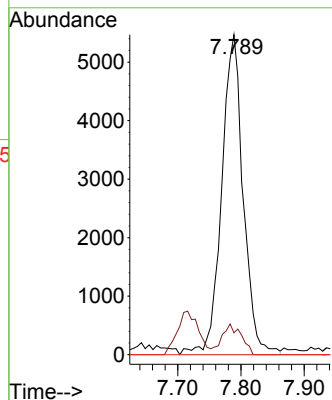
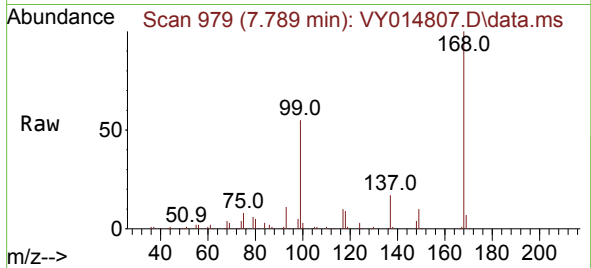




#36
1,1-Dichloropropene
Concen: 5.025 ug/l
RT: 7.789 min Scan# 919
Delta R.T. -0.122 min
Lab File: VY014807.D
Acq: 25 Jul 2023 17:20

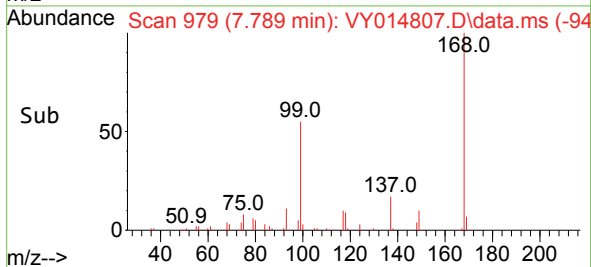
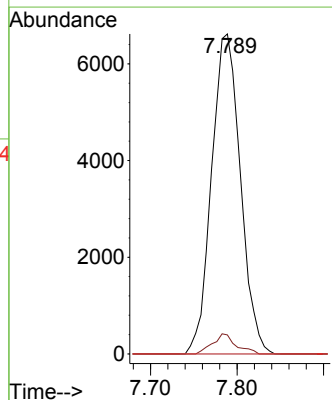
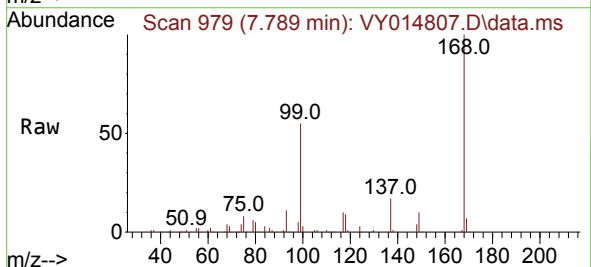
Instrument :
MSVOA_Y
ClientSampleId :
DUP-04

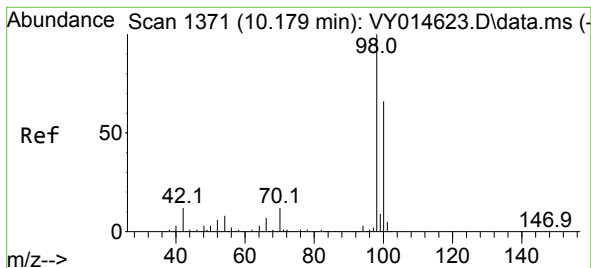
Tgt Ion: 75 Resp: 12933
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.622 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY014807.D
Acq: 25 Jul 2023 17:20

Tgt Ion: 117 Resp: 15297
Ion Ratio Lower Upper
117 100
119 6.0 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 49.984 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014807.D

Acq: 25 Jul 2023 17:20

Instrument :

MSVOA_Y

ClientSampleId :

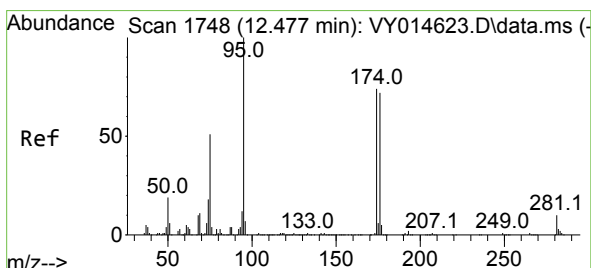
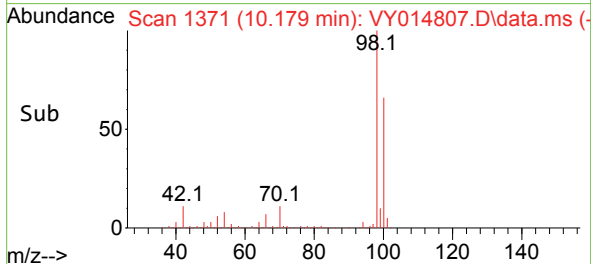
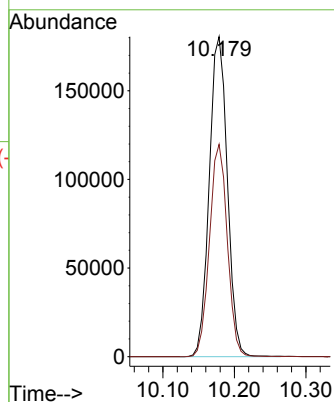
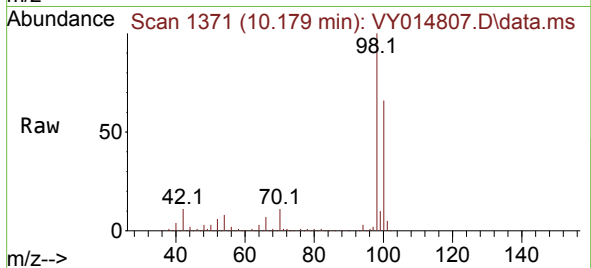
DUP-04

Tgt Ion: 98 Resp: 317166

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 45.927 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY014807.D

Acq: 25 Jul 2023 17:20

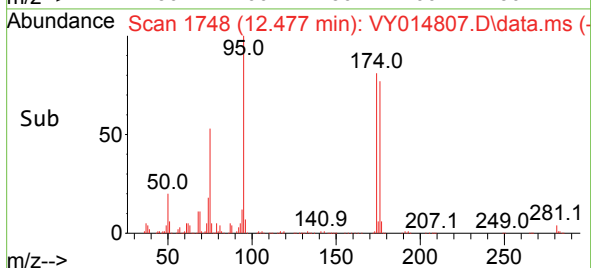
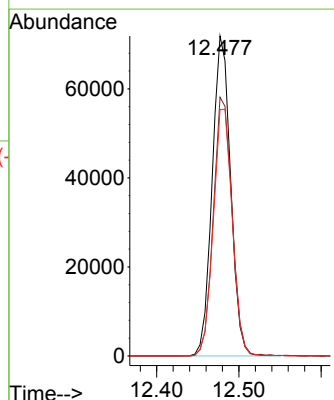
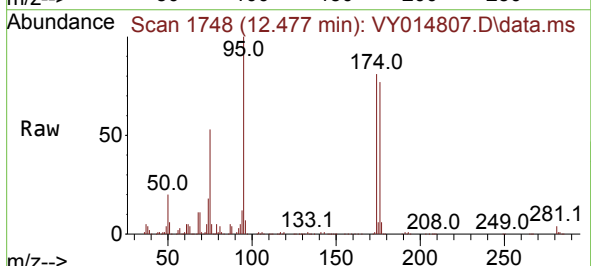
Tgt Ion: 95 Resp: 111742

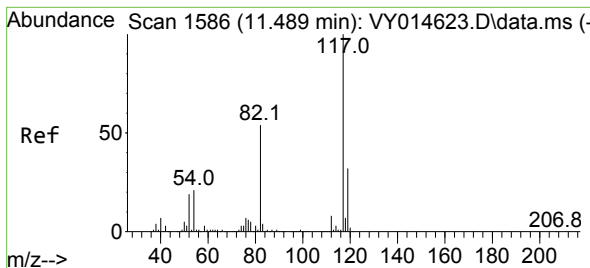
Ion Ratio Lower Upper

95 100

174 82.1 0.0 178.2

176 79.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014807.D

Acq: 25 Jul 2023 17:20

Instrument :

MSVOA_Y

ClientSampleId :

DUP-04

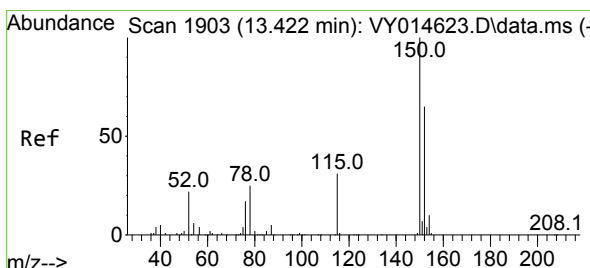
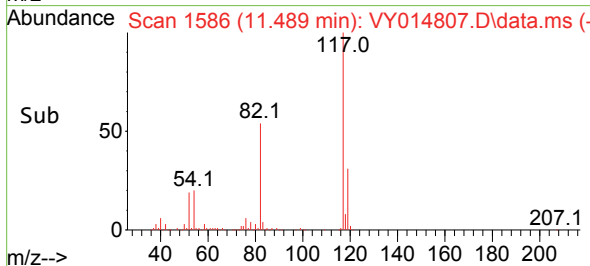
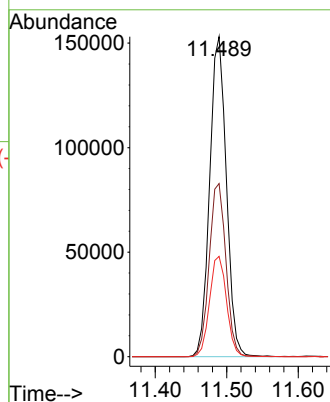
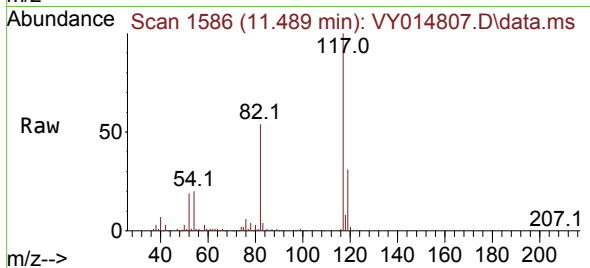
Tgt Ion:117 Resp: 248001

Ion Ratio Lower Upper

117 100

82 54.1 43.4 65.0

119 31.4 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: VY014807.D

Acq: 25 Jul 2023 17:20

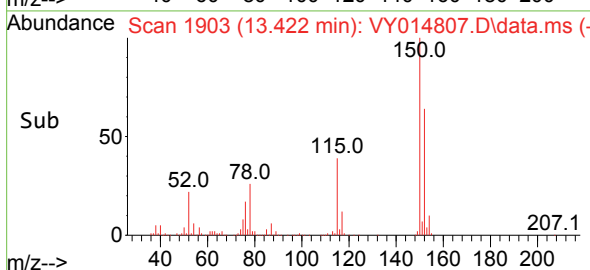
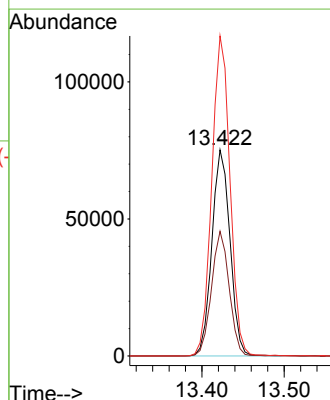
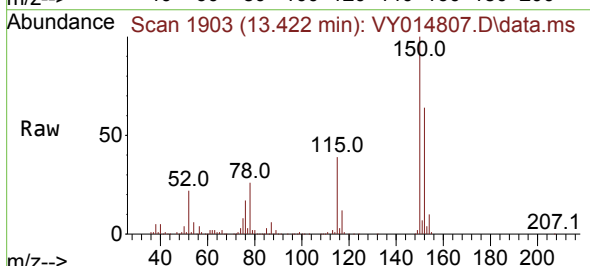
Tgt Ion:152 Resp: 115060

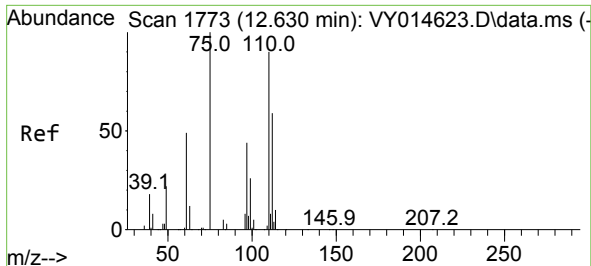
Ion Ratio Lower Upper

152 100

115 59.2 28.8 86.5

150 156.0 0.0 348.8

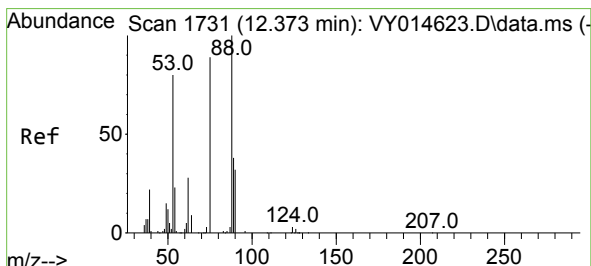
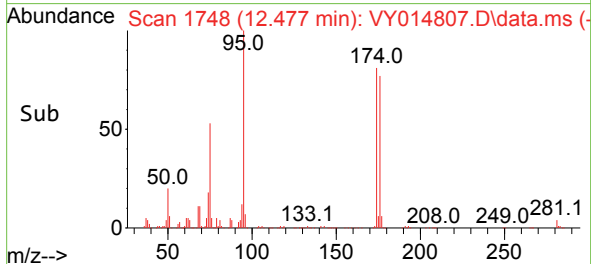
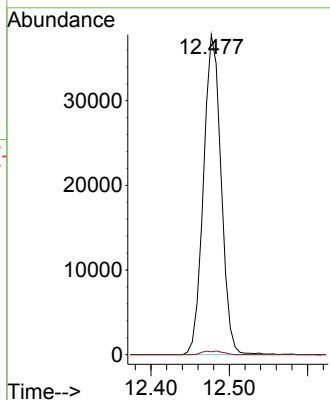
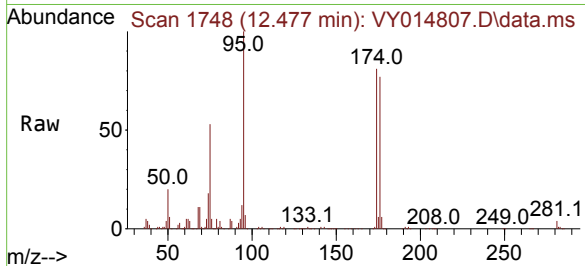




#76
1,2,3-Trichloropropane
Concen: 40.619 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014807.D
Acq: 25 Jul 2023 17:20

Instrument :
MSVOA_Y
ClientSampleId :
DUP-04

Tgt Ion: 75 Resp: 59026
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.645 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014807.D
Acq: 25 Jul 2023 17:20

Tgt Ion: 75 Resp: 59026
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

