

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071224\
 Data File : VY018807.D
 Acq On : 12 Jul 2024 19:07
 Operator : SY/MD
 Sample : P3228-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 12 23:44:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

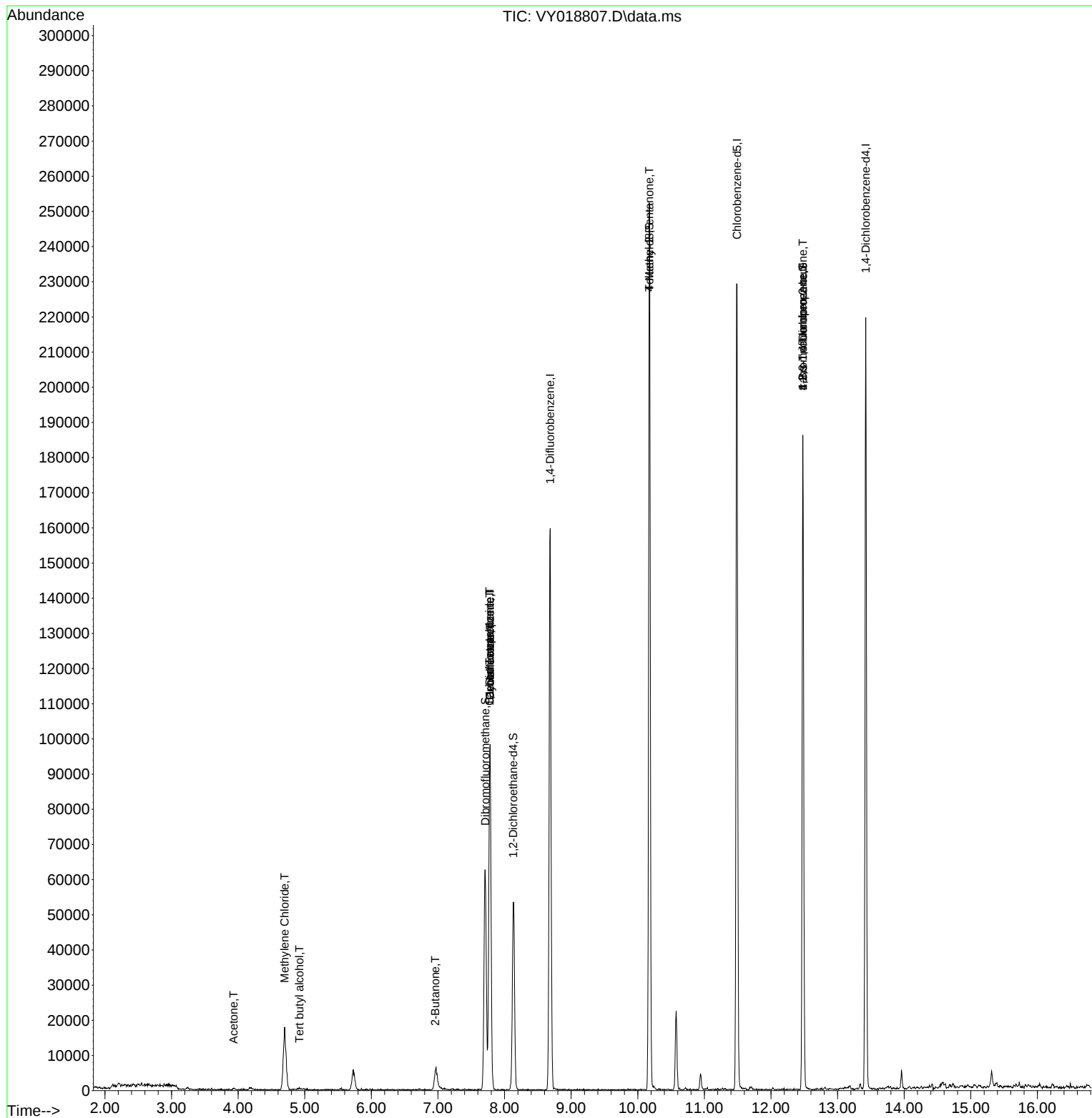
Internal Standards						
1) Pentafluorobenzene	7.783	168	78930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	141904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	131349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	54933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	42596	54.843	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.680%	
35) Dibromofluoromethane	7.710	113	43890	49.383	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.760%	
50) Toluene-d8	10.173	98	162060	48.129	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.260%	
62) 4-Bromofluorobenzene	12.477	95	52967	46.062	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.120%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	284	3.610	ug/l #	88
16) Acetone	3.930	43	749	5.231	ug/l	89
20) Methylene Chloride	4.698	84	12299	11.327	ug/l	96
25) 2-Butanone	6.960	43	441	2.197	ug/l #	41
31) Cyclohexane	7.783	56	1796	1.505	ug/l #	44
36) 1,1-Dichloropropene	7.777	75	5684	4.634	ug/l #	50
38) Carbon Tetrachloride	7.777	117	8070	5.463	ug/l #	16
51) 4-Methyl-2-Pentanone	10.173	43	781	1.508	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	28511	66.267	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	28511	148.309	ug/l #	16

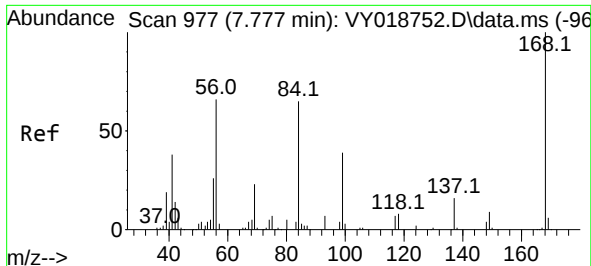
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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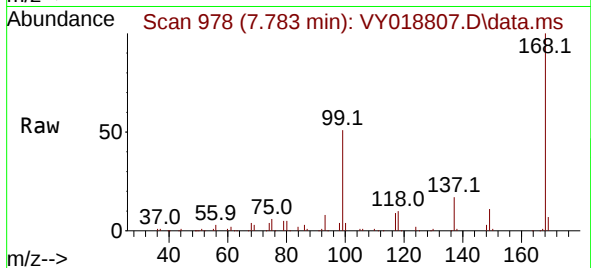
Quant Time: Jul 12 23:44:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
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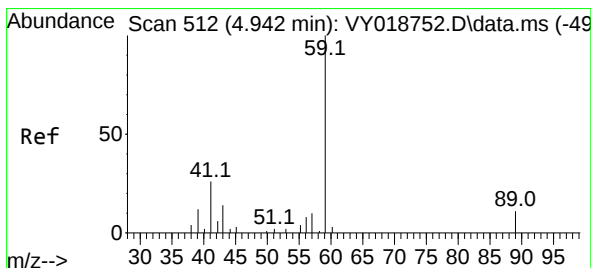
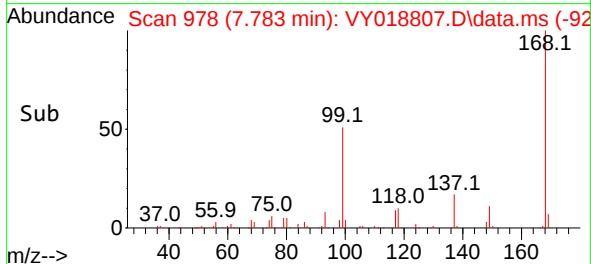
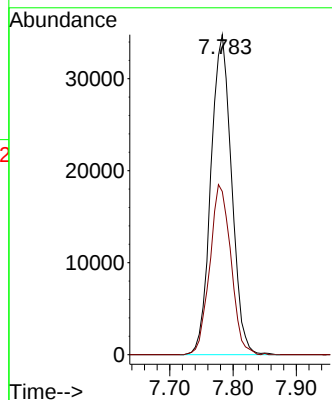


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018807.D
Acq: 12 Jul 2024 19:07

Instrument :
MSVOA_Y
ClientSampleId :

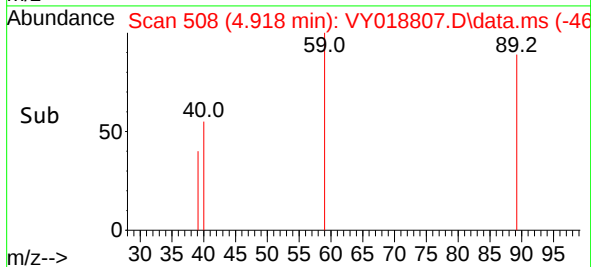
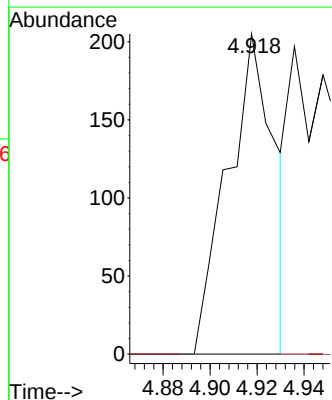
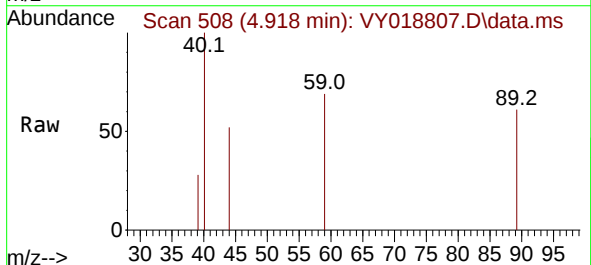


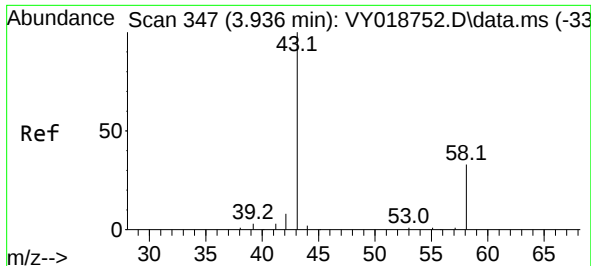
Tgt Ion:168 Resp: 78930
Ion Ratio Lower Upper
168 100
99 51.0 39.1 58.7



#11
Tert butyl alcohol
Concen: 3.610 ug/l
RT: 4.918 min Scan# 508
Delta R.T. -0.024 min
Lab File: VY018807.D
Acq: 12 Jul 2024 19:07

Tgt Ion: 59 Resp: 284
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 5.231 ug/l

RT: 3.930 min Scan# 347

Delta R.T. -0.006 min

Lab File: VY018807.D

Acq: 12 Jul 2024 19:07

Instrument :

MSVOA_Y

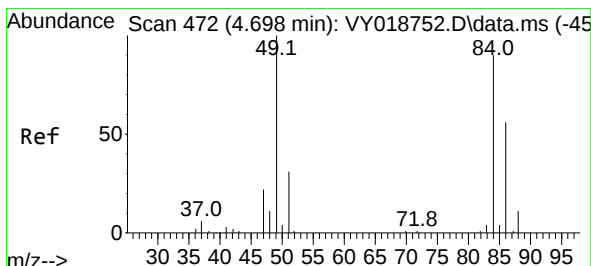
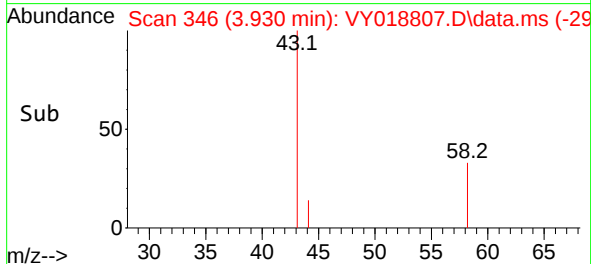
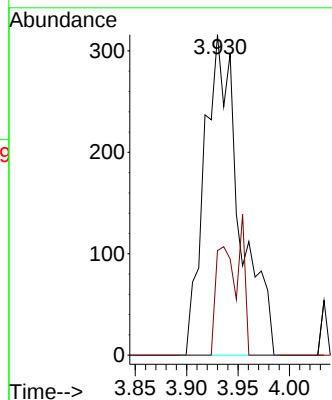
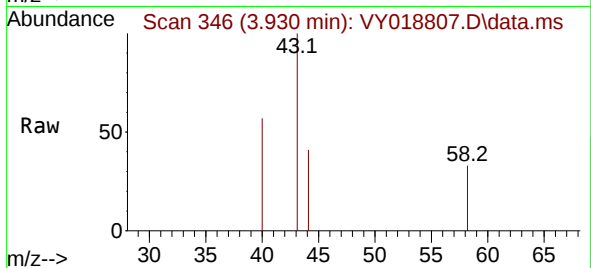
ClientSampleId :

Tgt Ion: 43 Resp: 749

Ion Ratio Lower Upper

43 100

58 32.6 31.7 47.5



#20

Methylene Chloride

Concen: 11.327 ug/l

RT: 4.698 min Scan# 472

Delta R.T. 0.000 min

Lab File: VY018807.D

Acq: 12 Jul 2024 19:07

Tgt Ion: 84 Resp: 12299

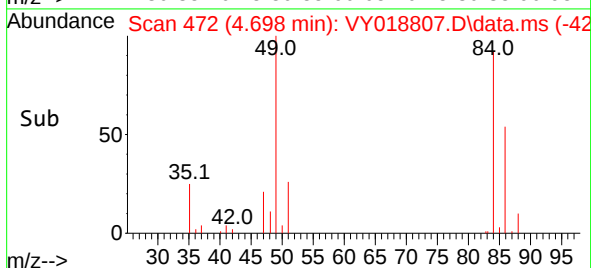
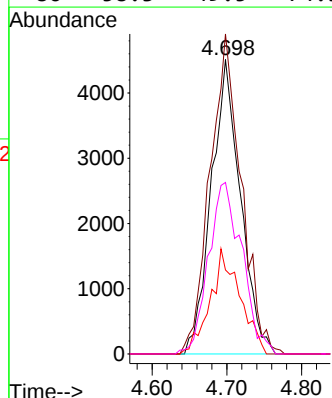
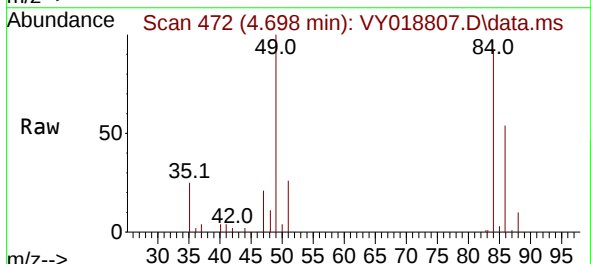
Ion Ratio Lower Upper

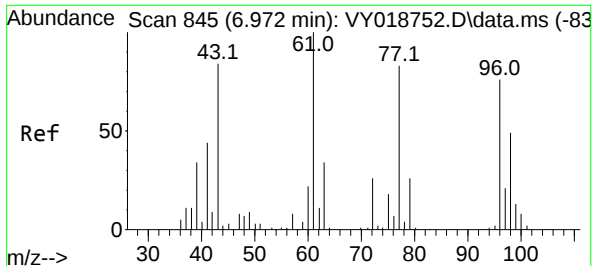
84 100

49 108.7 84.4 126.6

51 28.5 26.0 39.0

86 58.3 49.5 74.3

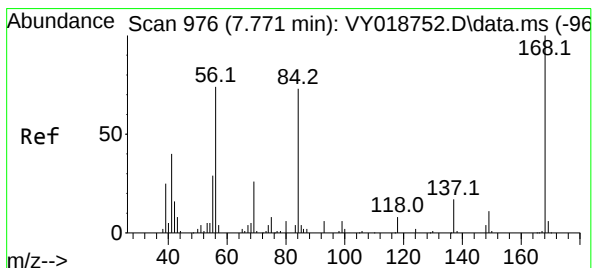
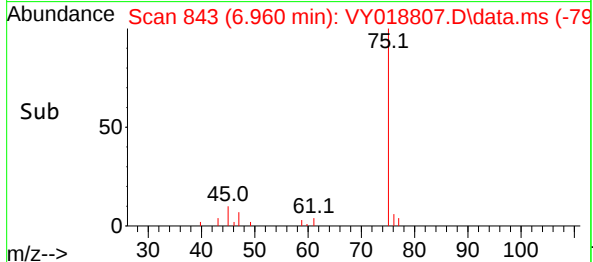
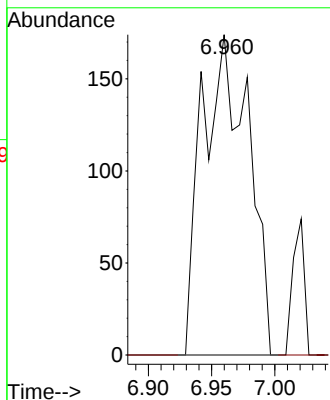
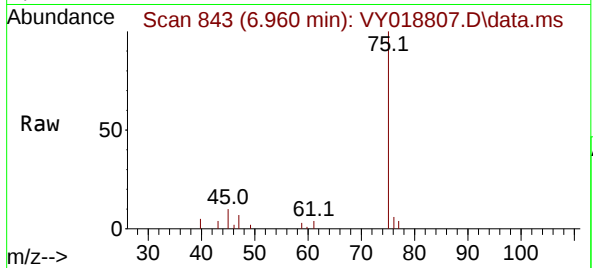




#25
2-Butanone
Concen: 2.197 ug/l
RT: 6.960 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY018807.D
Acq: 12 Jul 2024 19:07

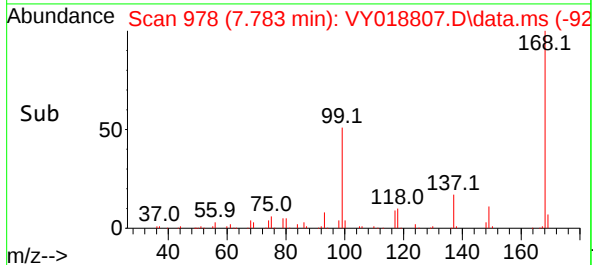
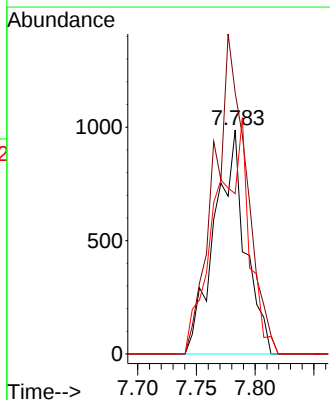
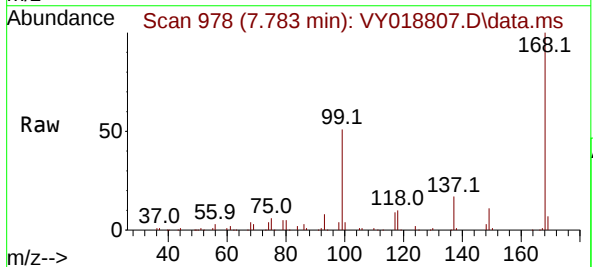
Instrument :
MSVOA_Y
ClientSampleId :

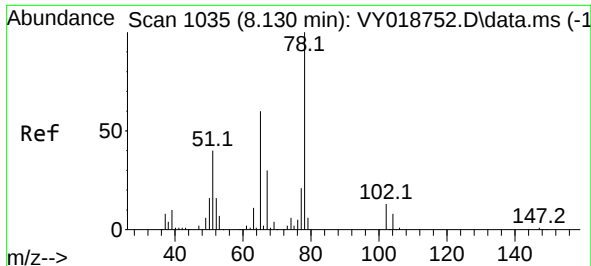
Tgt Ion: 43 Resp: 441
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#31
Cyclohexane
Concen: 1.505 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.012 min
Lab File: VY018807.D
Acq: 12 Jul 2024 19:07

Tgt Ion: 56 Resp: 1796
Ion Ratio Lower Upper
56 100
69 116.7 28.7 43.1#
84 71.6 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 54.843 ug/l

RT: 8.130 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY018807.D

Acq: 12 Jul 2024 19:07

Instrument :

MSVOA_Y

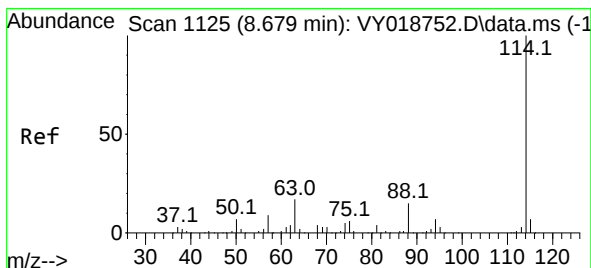
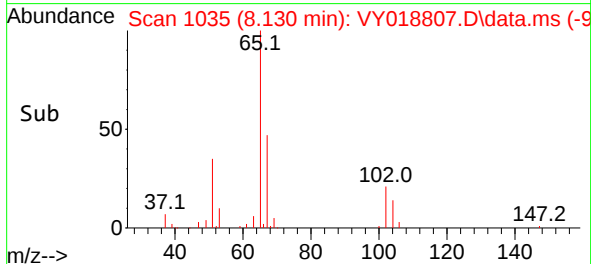
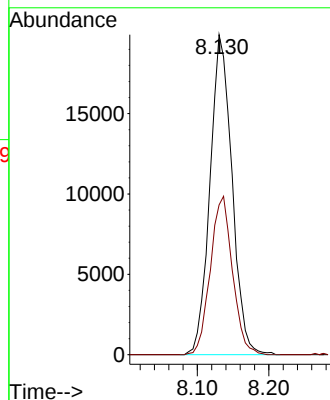
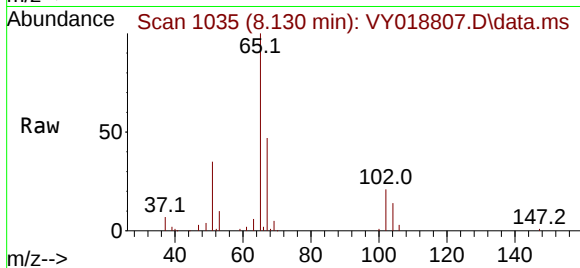
ClientSampleId :

Tgt Ion: 65 Resp: 42596

Ion Ratio Lower Upper

65 100

67 49.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY018807.D

Acq: 12 Jul 2024 19:07

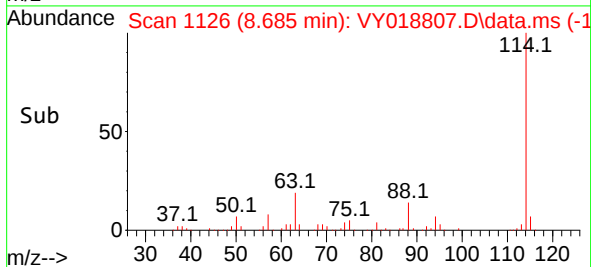
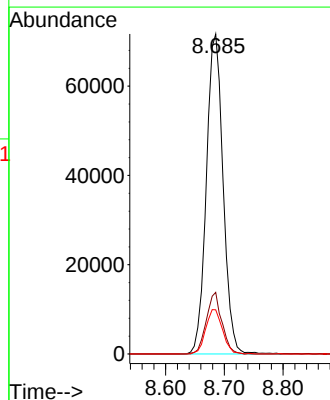
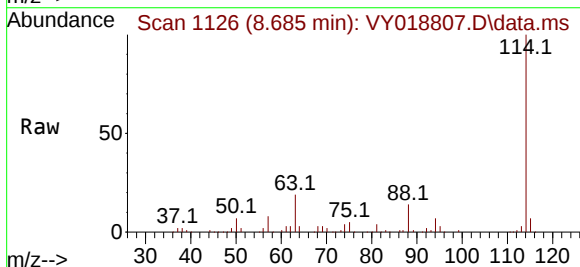
Tgt Ion: 114 Resp: 141904

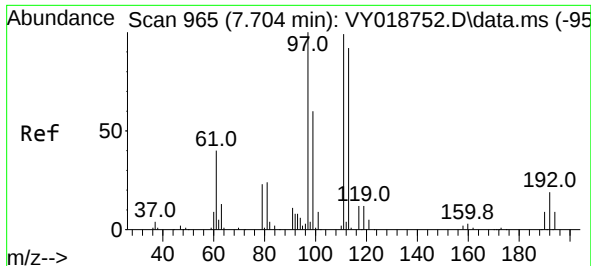
Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.0

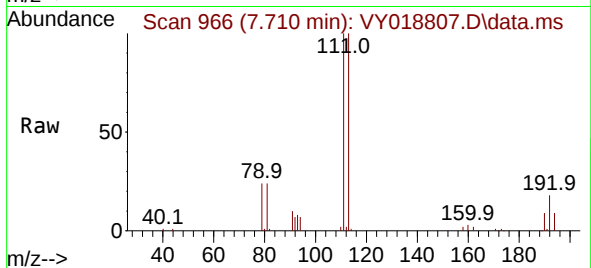
88 13.8 0.0 27.2



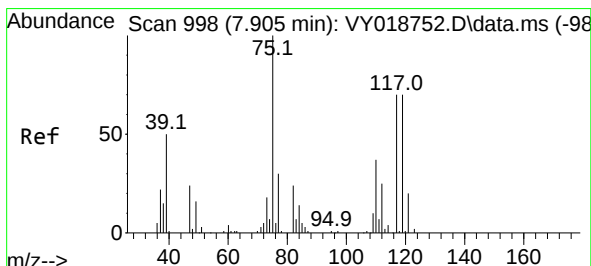
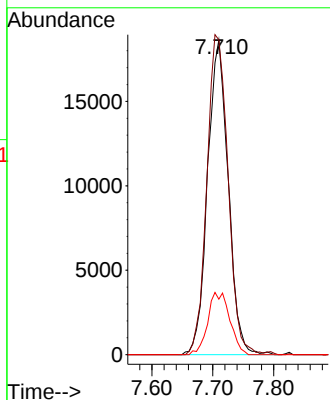
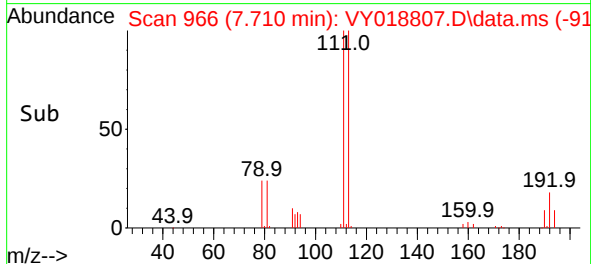


#35
Dibromofluoromethane
Concen: 49.383 ug/l
RT: 7.710 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY018807.D
Acq: 12 Jul 2024 19:07

Instrument :
MSVOA_Y
ClientSampleId :

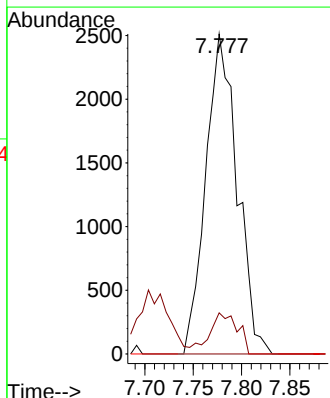
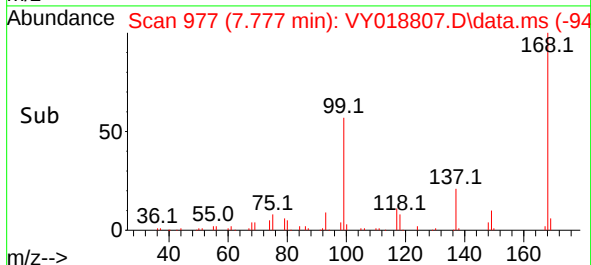
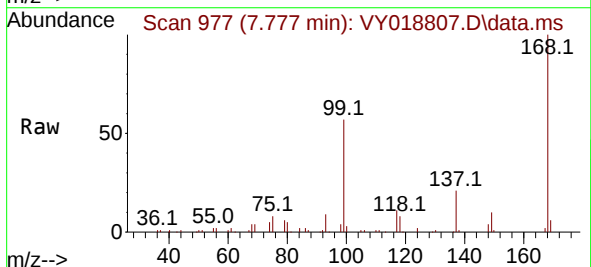


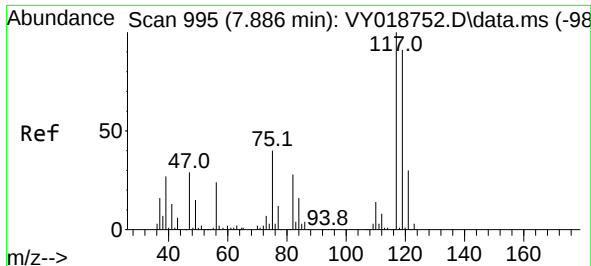
Tgt Ion:113 Resp: 43890
Ion Ratio Lower Upper
113 100
111 104.1 82.2 123.4
192 21.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.634 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.128 min
Lab File: VY018807.D
Acq: 12 Jul 2024 19:07

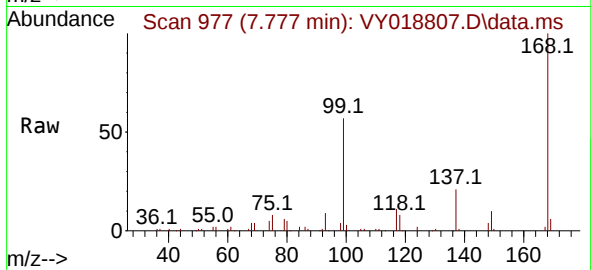
Tgt Ion: 75 Resp: 5684
Ion Ratio Lower Upper
75 100
110 11.5 19.0 57.0#
77 0.0 25.3 37.9#



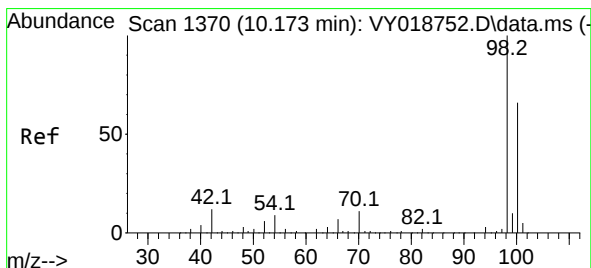
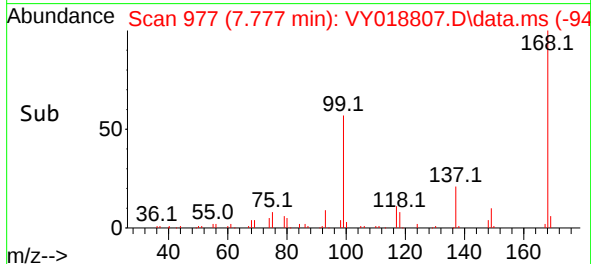
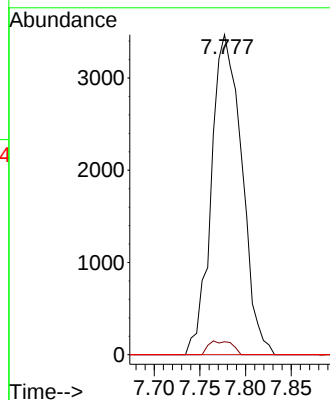


#38
Carbon Tetrachloride
Concen: 5.463 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY018807.D
Acq: 12 Jul 2024 19:07

Instrument :
MSVOA_Y
ClientSampleId :

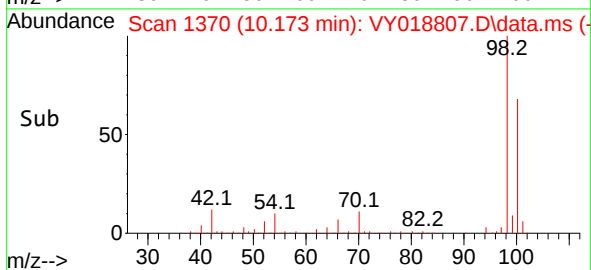
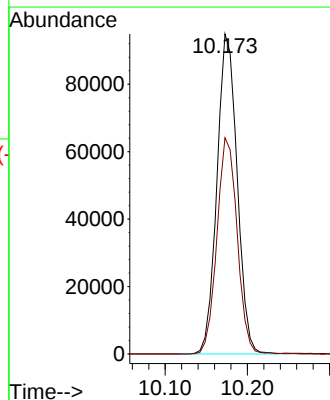
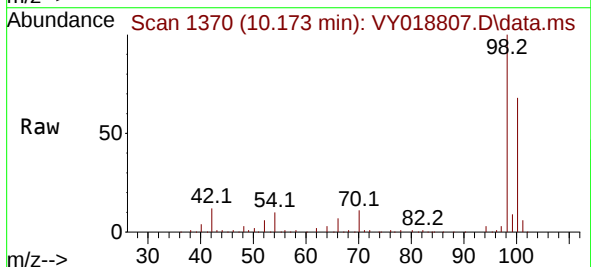


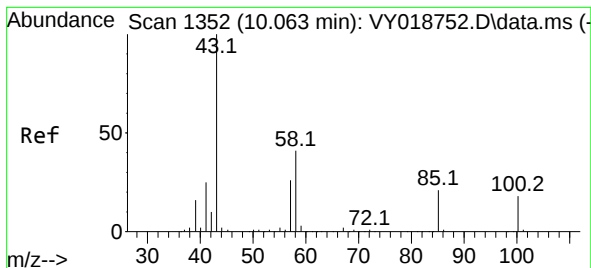
Tgt Ion:117 Resp: 8070
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.129 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VY018807.D
Acq: 12 Jul 2024 19:07

Tgt Ion: 98 Resp: 162060
Ion Ratio Lower Upper
98 100
100 67.7 52.0 78.0

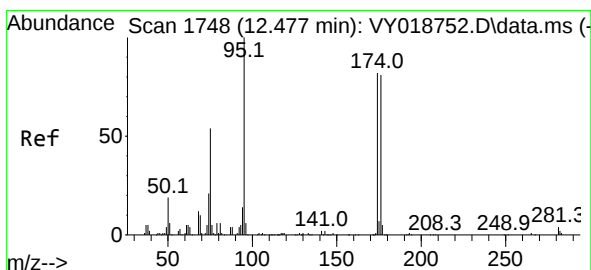
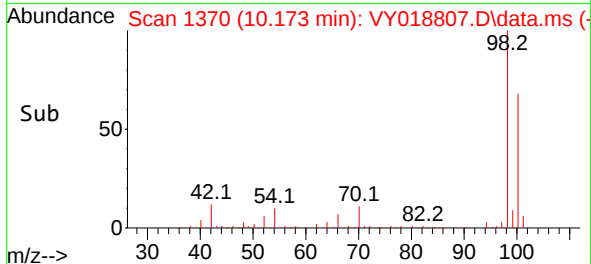
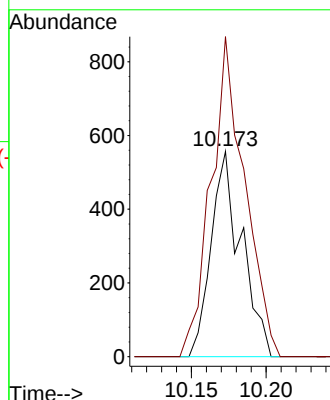
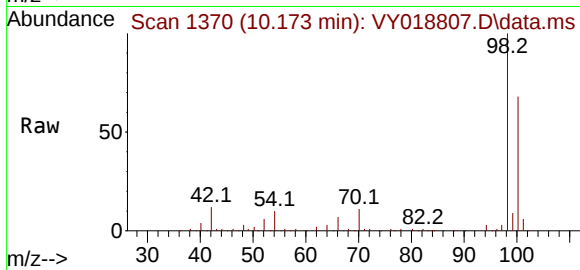




#51
4-Methyl-2-Pentanone
Concen: 1.508 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY018807.D
Acq: 12 Jul 2024 19:07

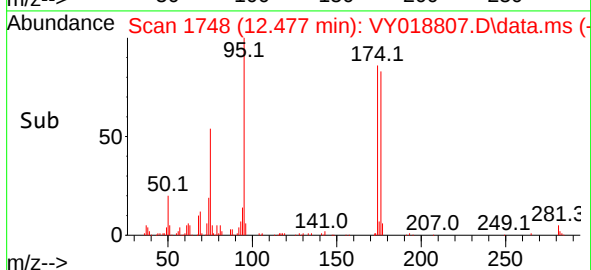
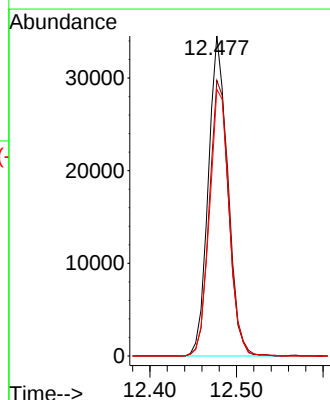
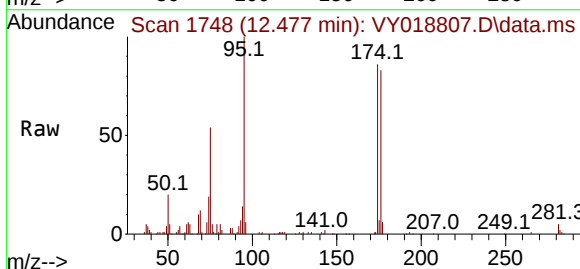
Instrument :
MSVOA_Y
ClientSampleId :

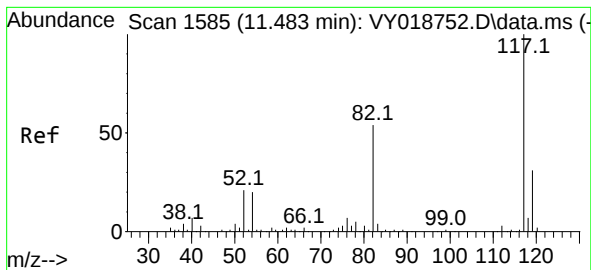
Tgt Ion: 43 Resp: 781
Ion Ratio Lower Upper
43 100
58 174.8 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 46.062 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY018807.D
Acq: 12 Jul 2024 19:07

Tgt Ion: 95 Resp: 52967
Ion Ratio Lower Upper
95 100
174 90.1 0.0 175.6
176 85.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018807.D

Acq: 12 Jul 2024 19:07

Instrument :

MSVOA_Y

ClientSampleId :

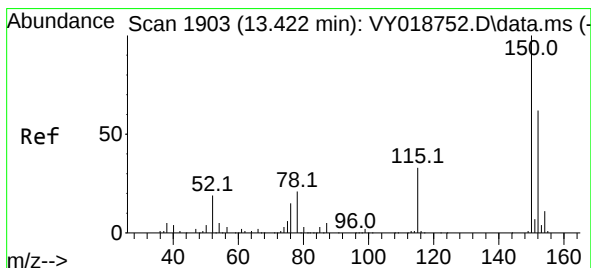
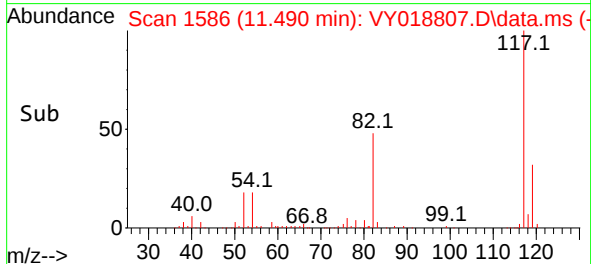
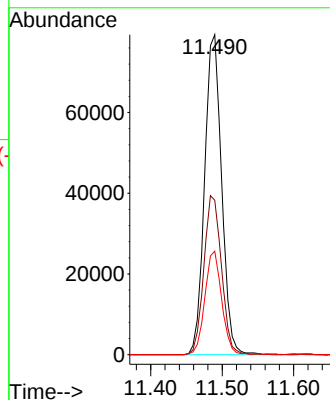
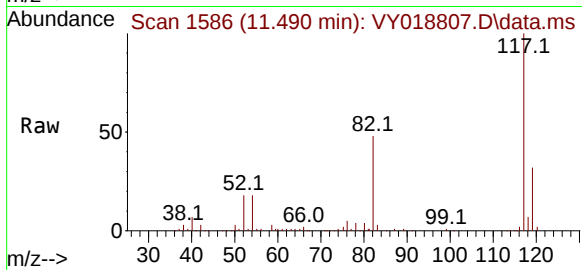
Tgt Ion:117 Resp: 131349

Ion Ratio Lower Upper

117 100

82 48.3 42.4 63.6

119 32.3 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018807.D

Acq: 12 Jul 2024 19:07

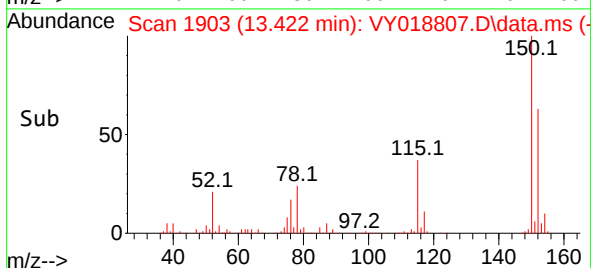
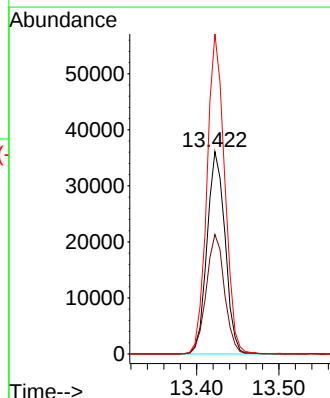
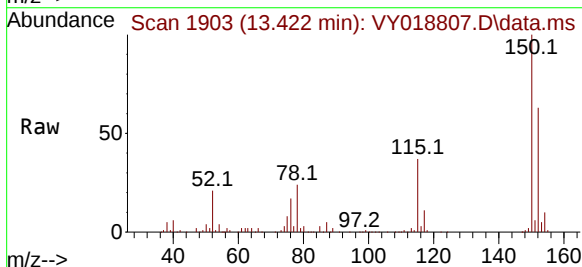
Tgt Ion:152 Resp: 54933

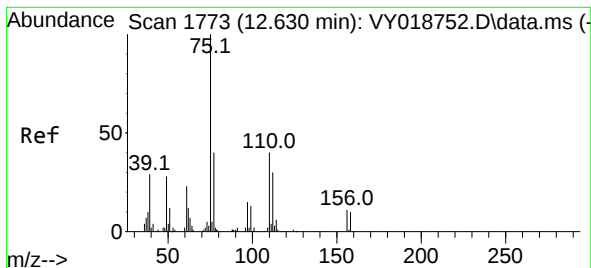
Ion Ratio Lower Upper

152 100

115 60.0 28.2 84.7

150 155.6 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 66.267 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY018807.D

Acq: 12 Jul 2024 19:07

Instrument :

MSVOA_Y

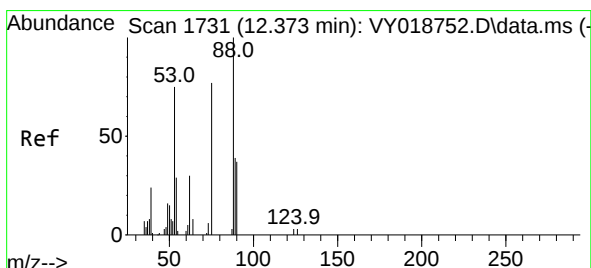
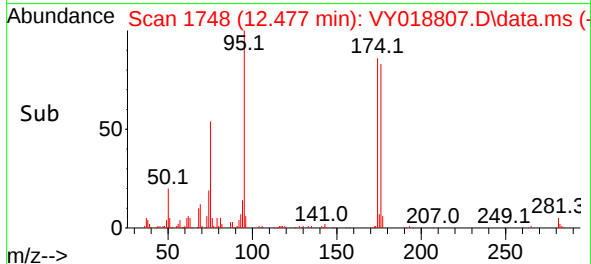
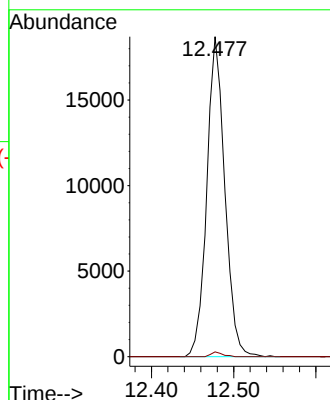
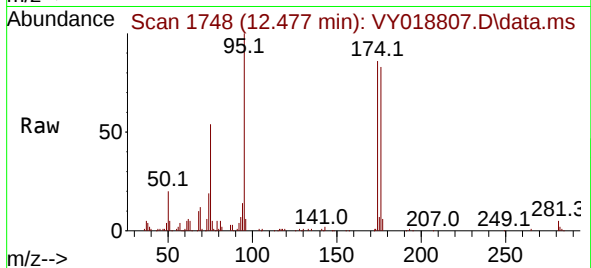
ClientSampleId :

Tgt Ion: 75 Resp: 28511

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 148.309 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY018807.D

Acq: 12 Jul 2024 19:07

Tgt Ion: 75 Resp: 28511

Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.1 35.8 53.6#

