

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071624\
 Data File : VY018831.D
 Acq On : 16 Jul 2024 14:40
 Operator : SY/MD
 Sample : P3246-29
 Misc : 7.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 17 01:56:17 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)

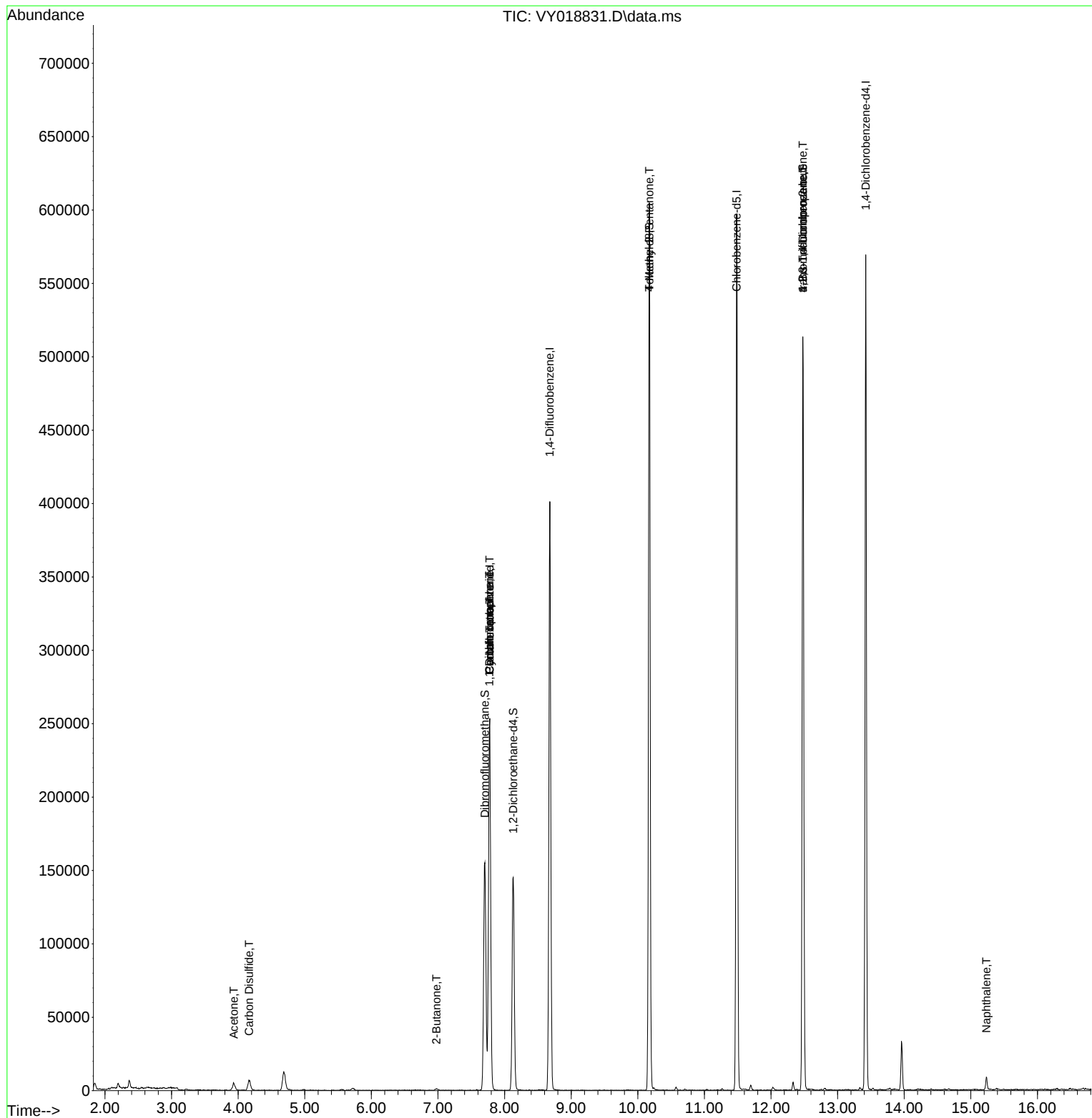
Internal Standards						
1) Pentafluorobenzene	7.777	168	195347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	339724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	320626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	140483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	112595	58.574	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.140%	
35) Dibromofluoromethane	7.703	113	107416	50.483	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.960%	
50) Toluene-d8	10.173	98	387022	48.010	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.020%	
62) 4-Bromofluorobenzene	12.477	95	135628	49.267	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.540%	
Target Compounds						
					Qvalue	
16) Acetone	3.936	43	8250	23.279	ug/l	94
17) Carbon Disulfide	4.161	76	14304	2.707	ug/l #	93
20) Methylene Chloride	4.686	84	9436	Below Cal		92
25) 2-Butanone	6.978	43	1311	2.639	ug/l #	88
31) Cyclohexane	7.777	56	4195	1.420	ug/l #	33
36) 1,1-Dichloropropene	7.771	75	14552	4.956	ug/l #	50
38) Carbon Tetrachloride	7.777	117	19831	5.607	ug/l #	15
51) 4-Methyl-2-Pentanone	10.173	43	1861	1.501	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	74217	67.452	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	74217	150.962	ug/l #	16
95) Naphthalene	15.233	128	7496	1.719	ug/l	98

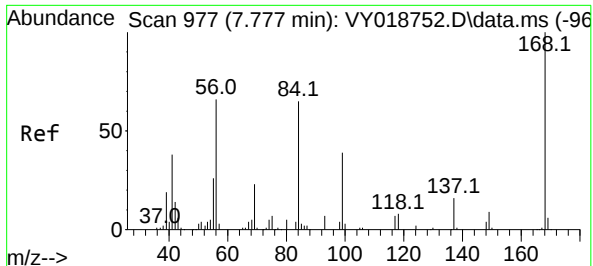
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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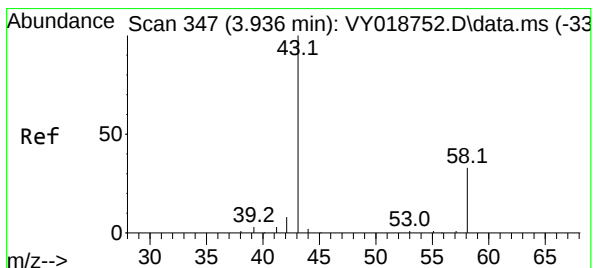
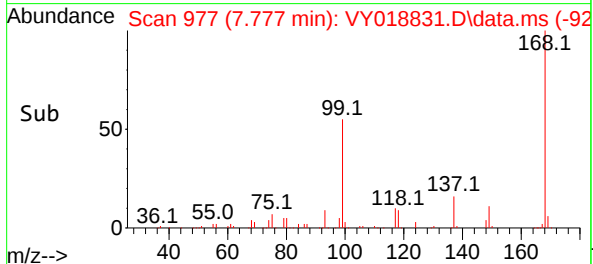
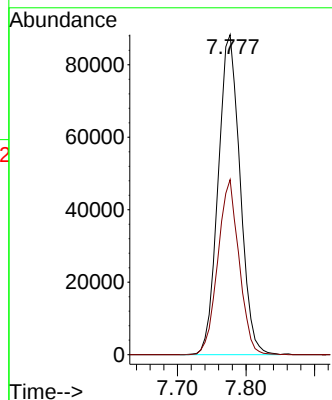
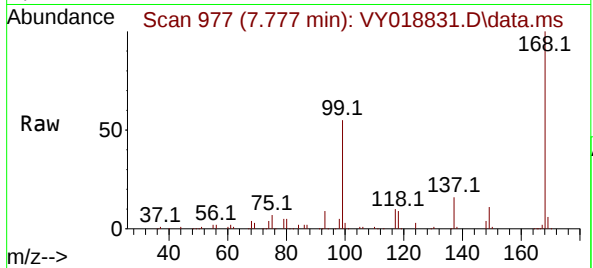




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018831.D
Acq: 16 Jul 2024 14:40

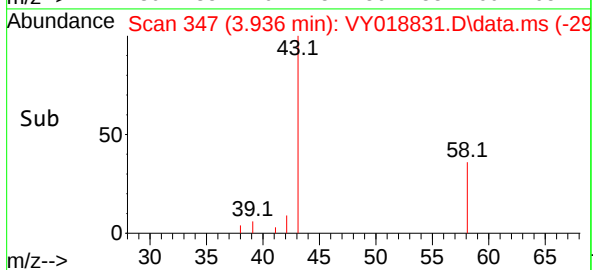
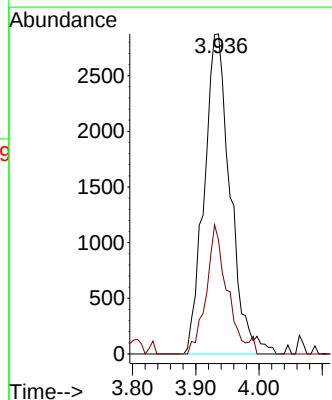
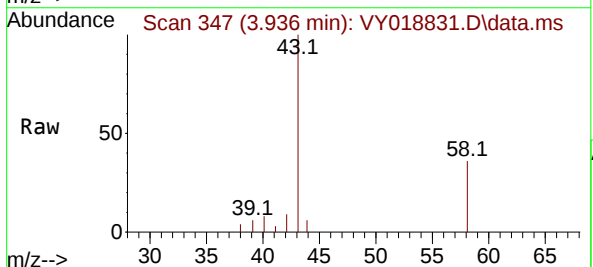
Instrument :
MSVOA_Y
ClientSampleId :

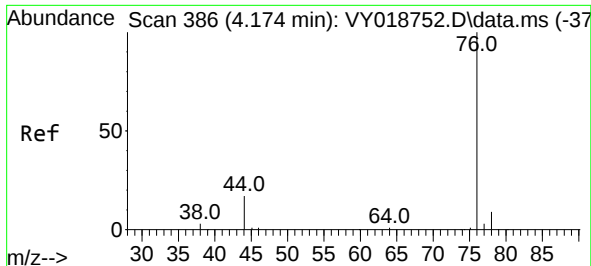
Tgt Ion:168 Resp: 195347
Ion Ratio Lower Upper
168 100
99 54.7 39.1 58.7



#16
Acetone
Concen: 23.279 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY018831.D
Acq: 16 Jul 2024 14:40

Tgt Ion: 43 Resp: 8250
Ion Ratio Lower Upper
43 100
58 35.7 31.7 47.5

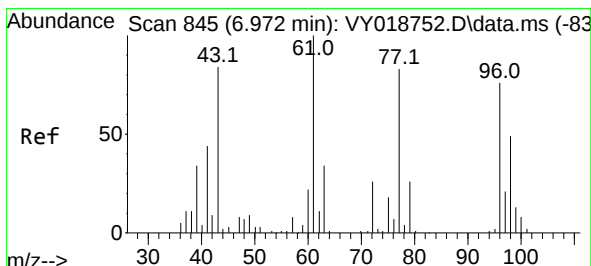
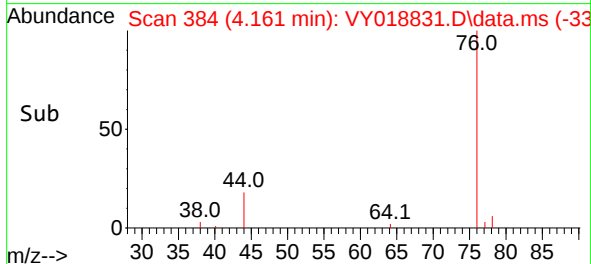
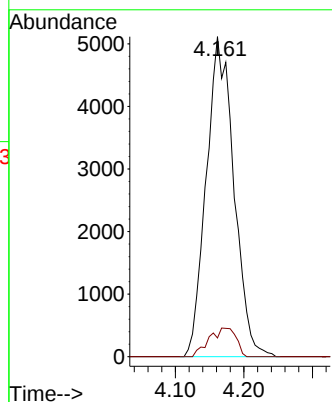
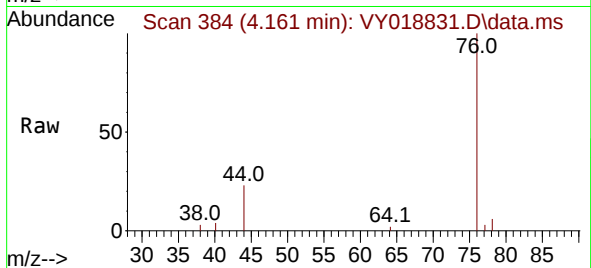




#17
Carbon Disulfide
Concen: 2.707 ug/l
RT: 4.161 min Scan# 386
Delta R.T. -0.012 min
Lab File: VY018831.D
Acq: 16 Jul 2024 14:40

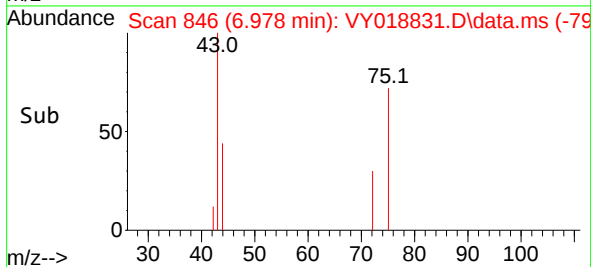
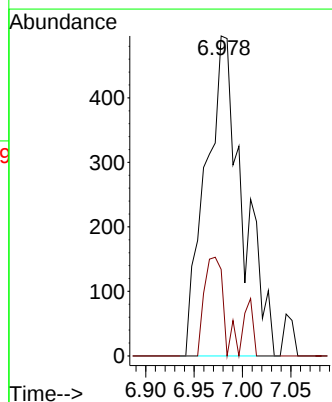
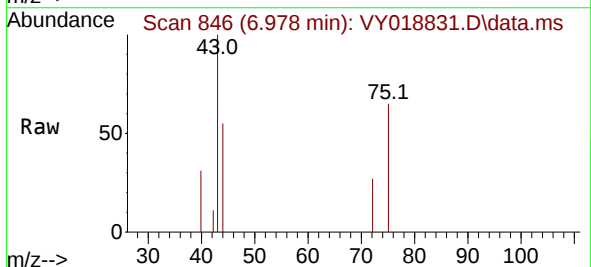
Instrument :
MSVOA_Y
ClientSampleId :

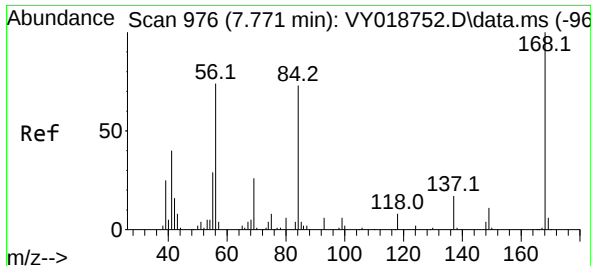
Tgt Ion: 76 Resp: 14304
Ion Ratio Lower Upper
76 100
78 5.9 6.8 10.2#



#25
2-Butanone
Concen: 2.639 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY018831.D
Acq: 16 Jul 2024 14:40

Tgt Ion: 43 Resp: 1311
Ion Ratio Lower Upper
43 100
72 27.0 27.3 40.9#

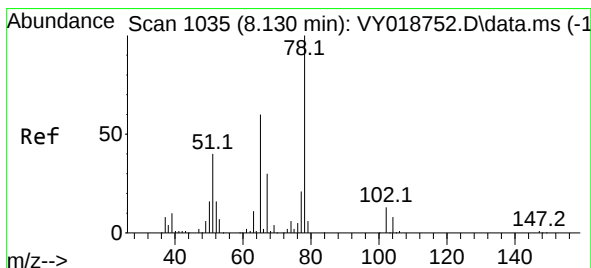
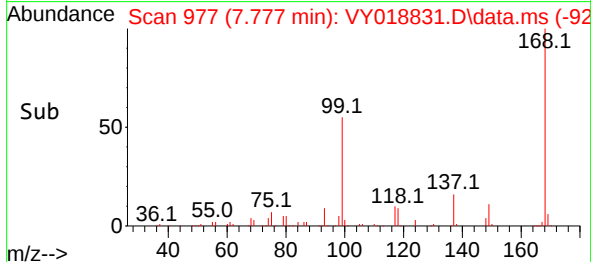
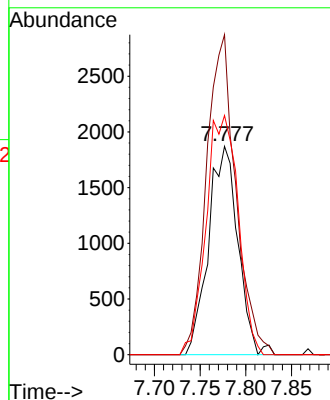
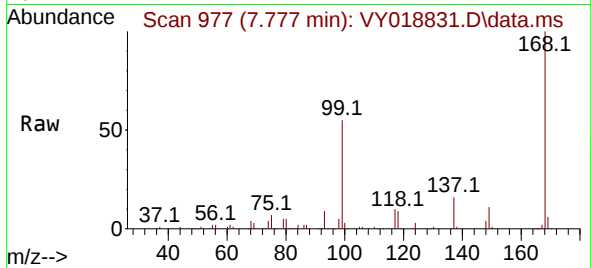




#31
Cyclohexane
Concen: 1.420 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018831.D
Acq: 16 Jul 2024 14:40

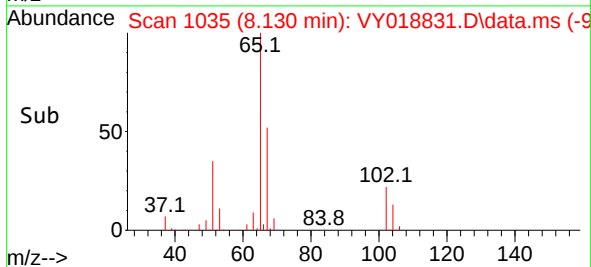
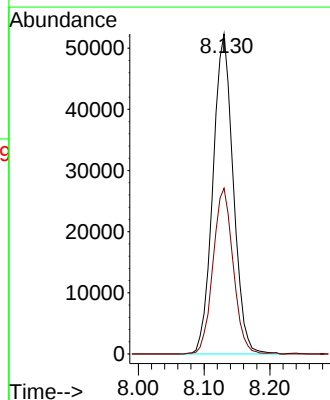
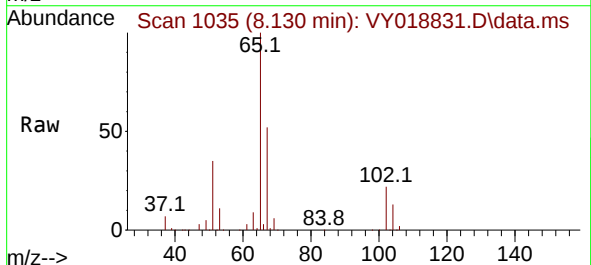
Instrument :
MSVOA_Y
ClientSampleId :

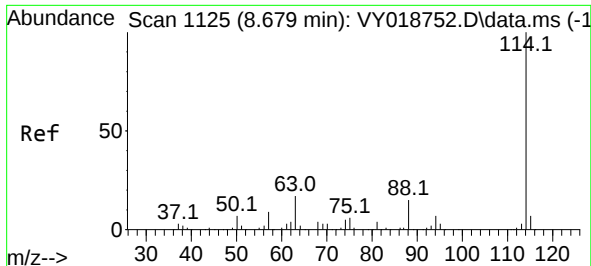
Tgt Ion: 56 Resp: 4195
Ion Ratio Lower Upper
56 100
69 153.6 28.7 43.1#
84 114.8 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 58.574 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VY018831.D
Acq: 16 Jul 2024 14:40

Tgt Ion: 65 Resp: 112595
Ion Ratio Lower Upper
65 100
67 51.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VY018831.D

Acq: 16 Jul 2024 14:40

Instrument :

MSVOA_Y

ClientSampleId :

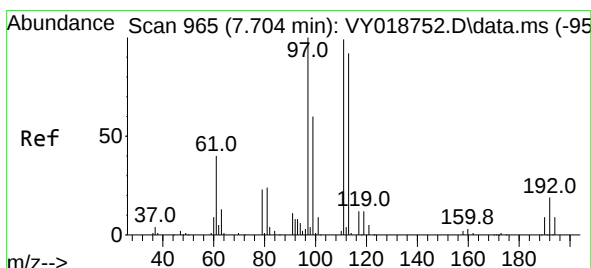
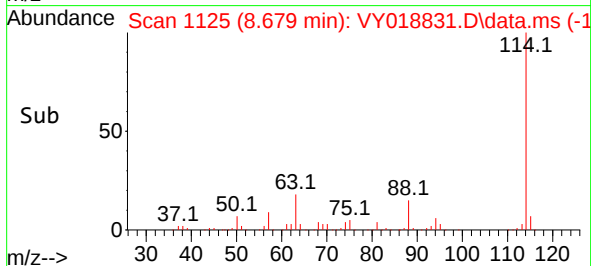
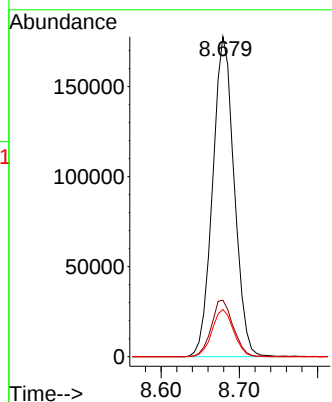
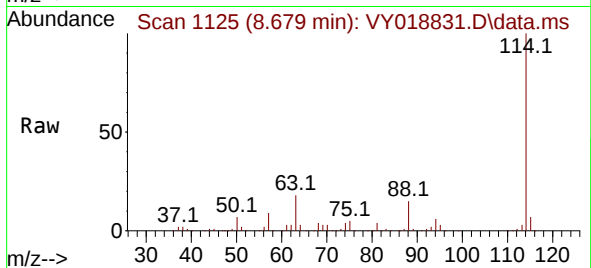
Tgt Ion:114 Resp: 339724

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

88 14.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.483 ug/l

RT: 7.703 min Scan# 965

Delta R.T. -0.000 min

Lab File: VY018831.D

Acq: 16 Jul 2024 14:40

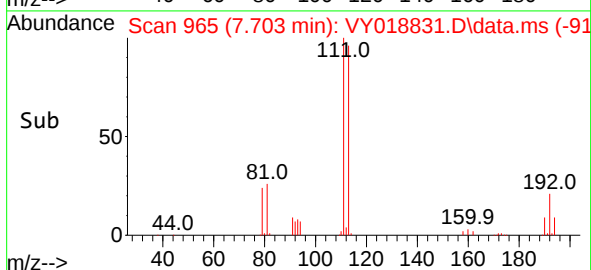
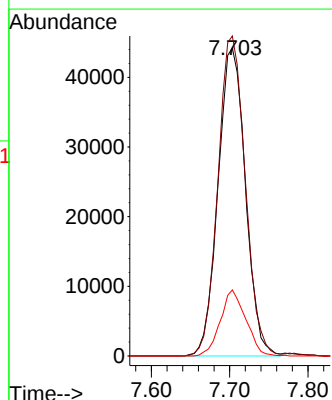
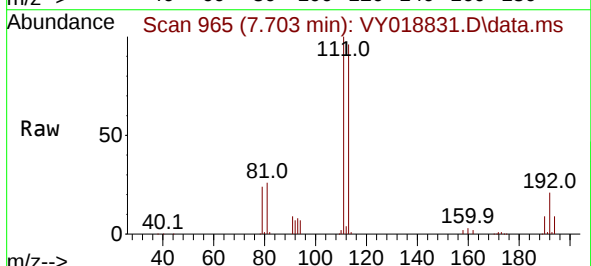
Tgt Ion:113 Resp: 107416

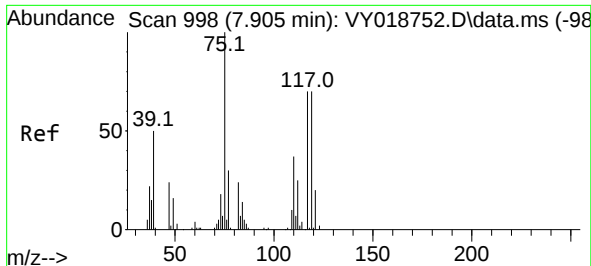
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 20.0 15.9 23.9

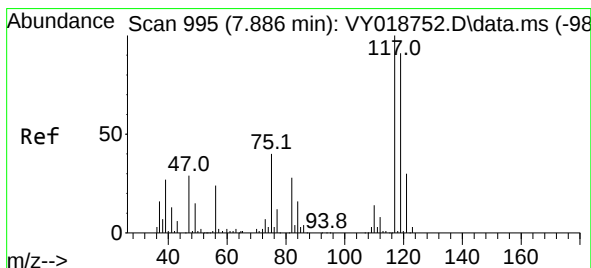
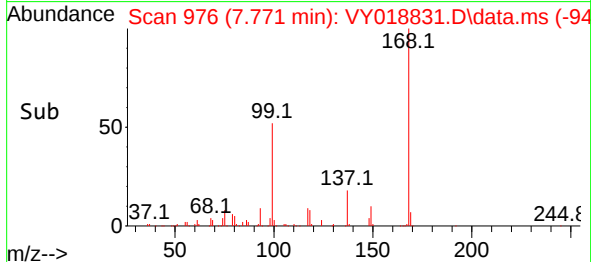
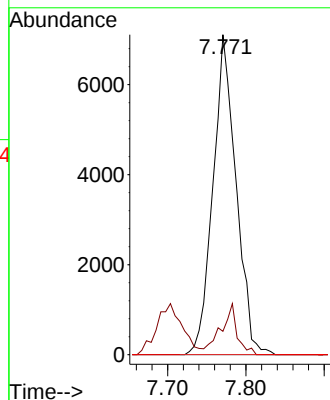
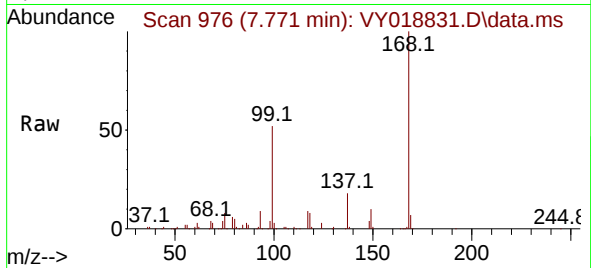




#36
1,1-Dichloropropene
Concen: 4.956 ug/l
RT: 7.771 min Scan# 911
Delta R.T. -0.134 min
Lab File: VY018831.D
Acq: 16 Jul 2024 14:40

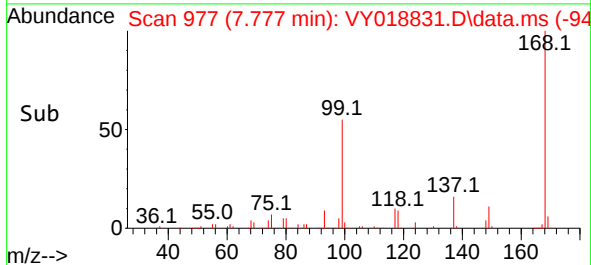
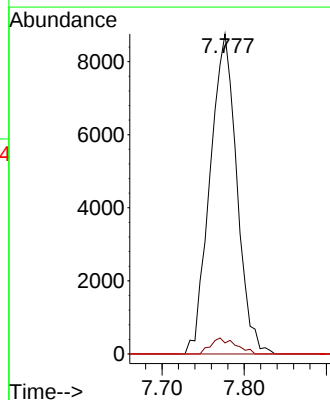
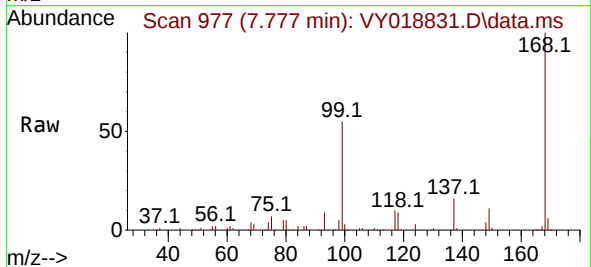
Instrument :
MSVOA_Y
ClientSampleId :

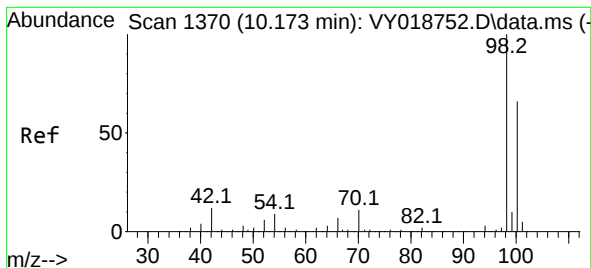
Tgt Ion: 75 Resp: 14552
Ion Ratio Lower Upper
75 100
110 11.2 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.607 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.110 min
Lab File: VY018831.D
Acq: 16 Jul 2024 14:40

Tgt Ion: 117 Resp: 19831
Ion Ratio Lower Upper
117 100
119 3.4 75.8 113.6#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 48.010 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.000 min

Lab File: VY018831.D

Acq: 16 Jul 2024 14:40

Instrument :

MSVOA_Y

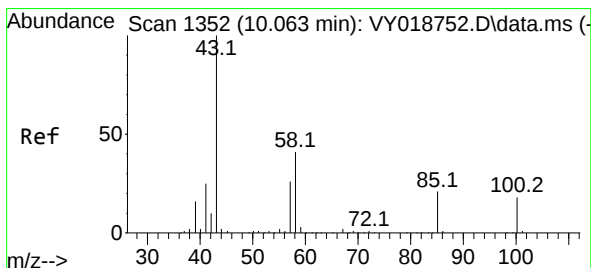
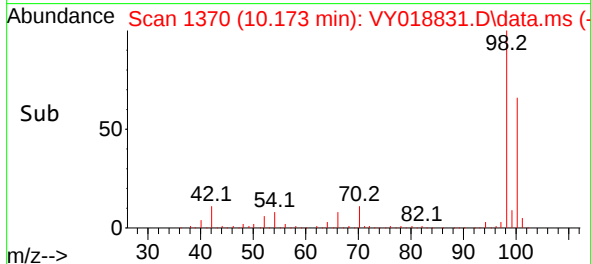
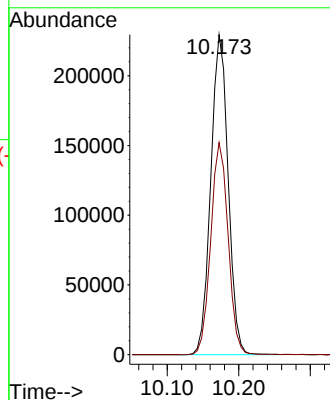
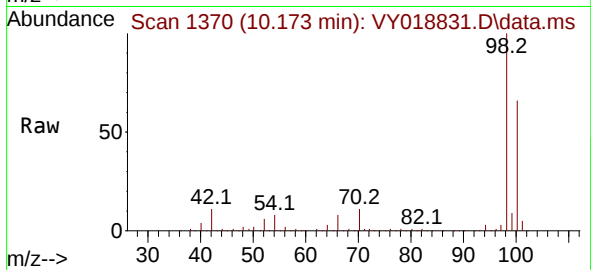
ClientSampleId :

Tgt Ion: 98 Resp: 387022

Ion Ratio Lower Upper

98 100

100 66.3 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.501 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. 0.110 min

Lab File: VY018831.D

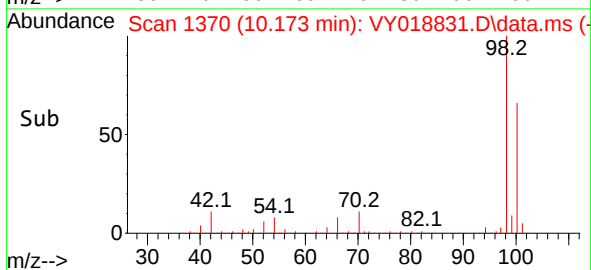
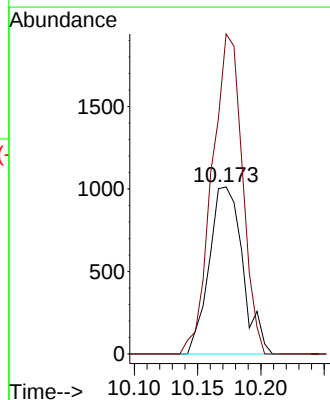
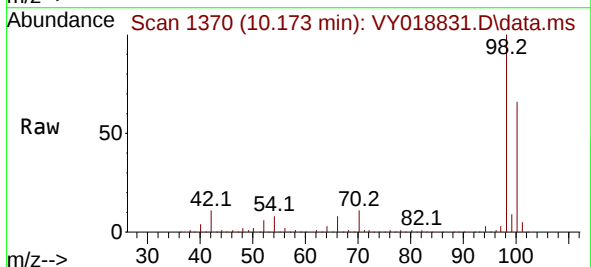
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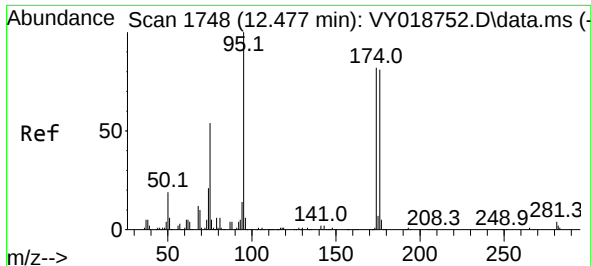
Tgt Ion: 43 Resp: 1861

Ion Ratio Lower Upper

43 100

58 173.7 35.7 53.5#

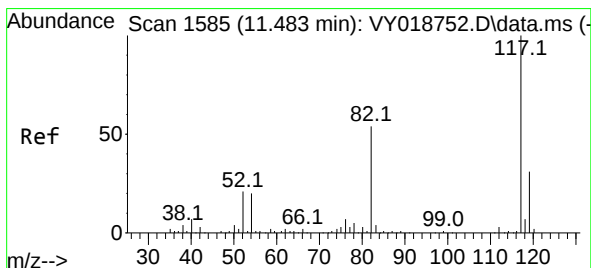
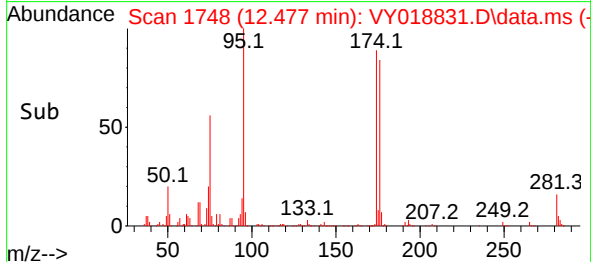
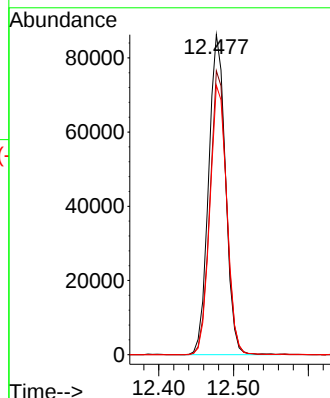
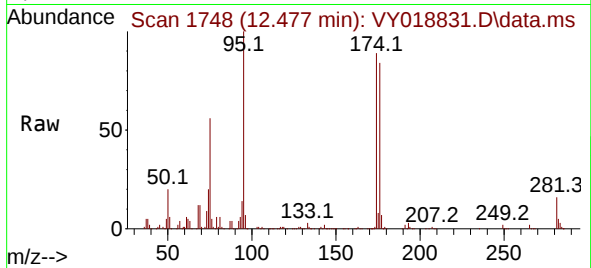




#62
4-Bromofluorobenzene
Concen: 49.267 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018831.D
Acq: 16 Jul 2024 14:40

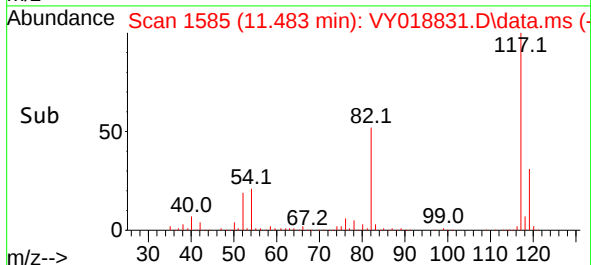
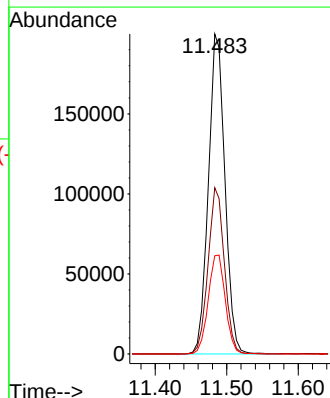
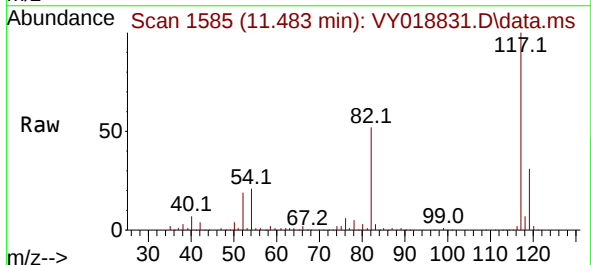
Instrument :
MSVOA_Y
ClientSampleId :

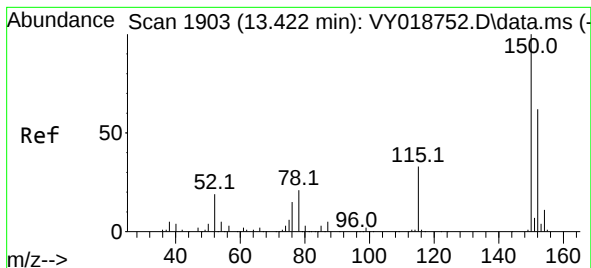
Tgt Ion: 95 Resp: 135628
Ion Ratio Lower Upper
95 100
174 87.2 0.0 175.6
176 84.4 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.000 min
Lab File: VY018831.D
Acq: 16 Jul 2024 14:40

Tgt Ion: 117 Resp: 320626
Ion Ratio Lower Upper
117 100
82 51.9 42.4 63.6
119 30.7 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: VY018831.D

Acq: 16 Jul 2024 14:40

Instrument :

MSVOA_Y

ClientSampleId :

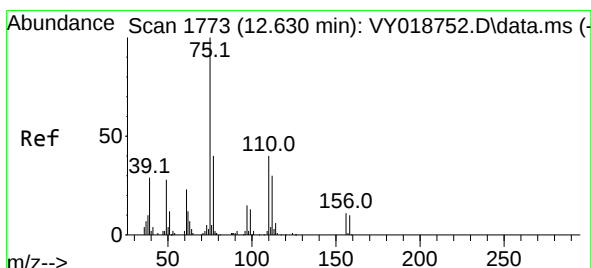
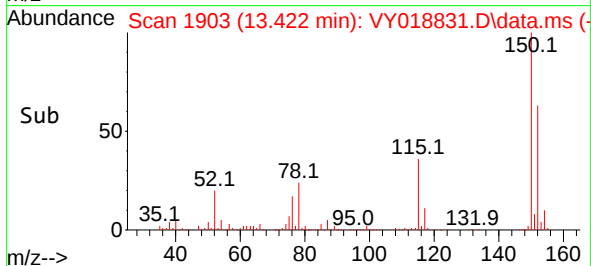
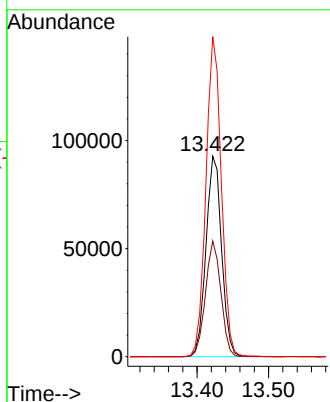
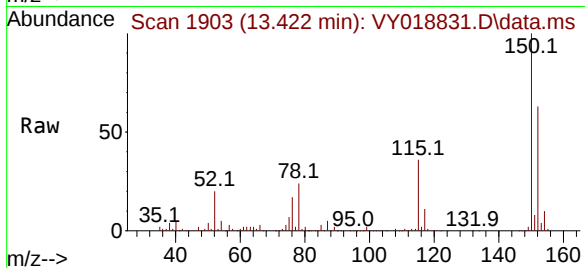
Tgt Ion:152 Resp: 140483

Ion Ratio Lower Upper

152 100

115 57.0 28.2 84.7

150 157.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 67.452 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY018831.D

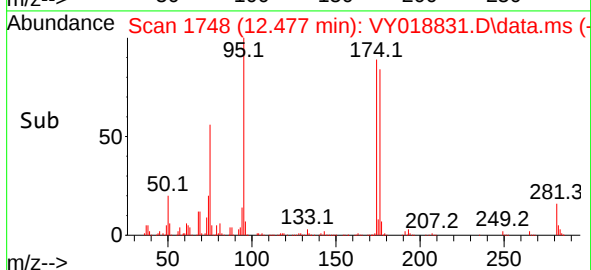
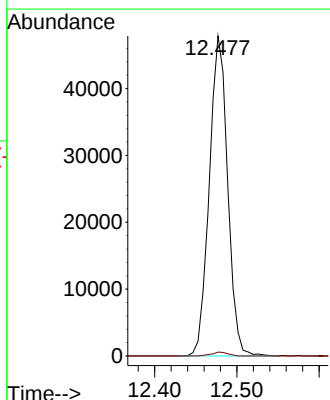
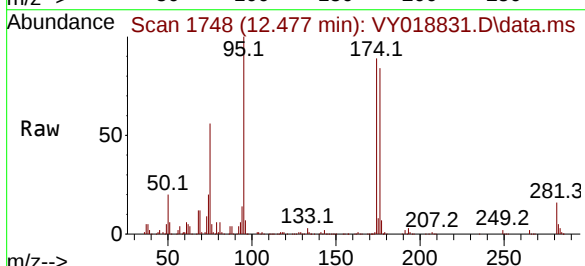
Acq: 16 Jul 2024 14:40

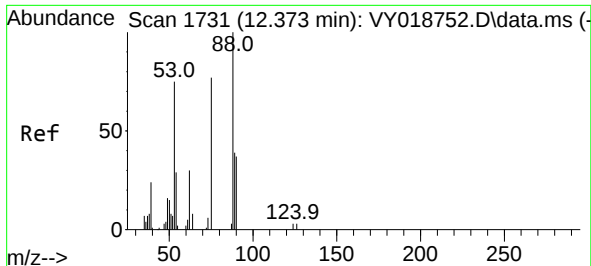
Tgt Ion: 75 Resp: 74217

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

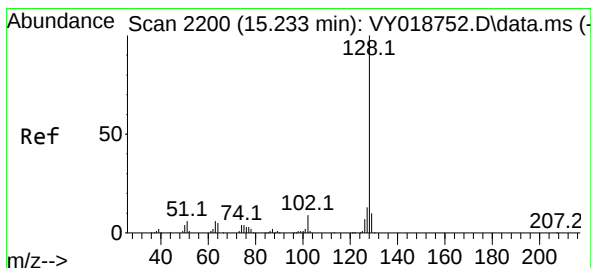
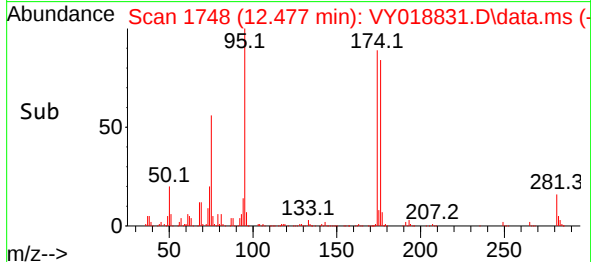
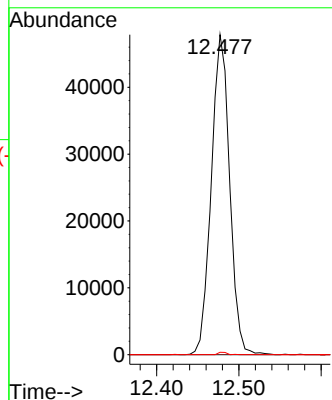
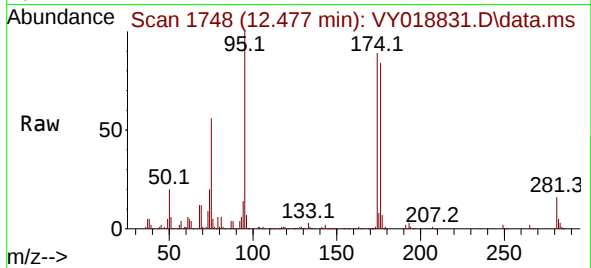




#81
trans-1,4-Dichloro-2-butene
Concen: 150.962 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY018831.D
Acq: 16 Jul 2024 14:40

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 74217
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.4 35.8 53.6#



#95
Naphthalene
Concen: 1.719 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY018831.D
Acq: 16 Jul 2024 14:40

Tgt Ion: 128 Resp: 7496
Ion Ratio Lower Upper
128 100
127 14.3 10.6 16.0
129 10.6 8.6 13.0

