

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040925\
 Data File : VY021822.D
 Acq On : 09 Apr 2025 16:24
 Operator : SY/MD
 Sample : Q1748-07
 Misc : 5.94g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IB-2A-VOC

Quant Time: Apr 10 01:45:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

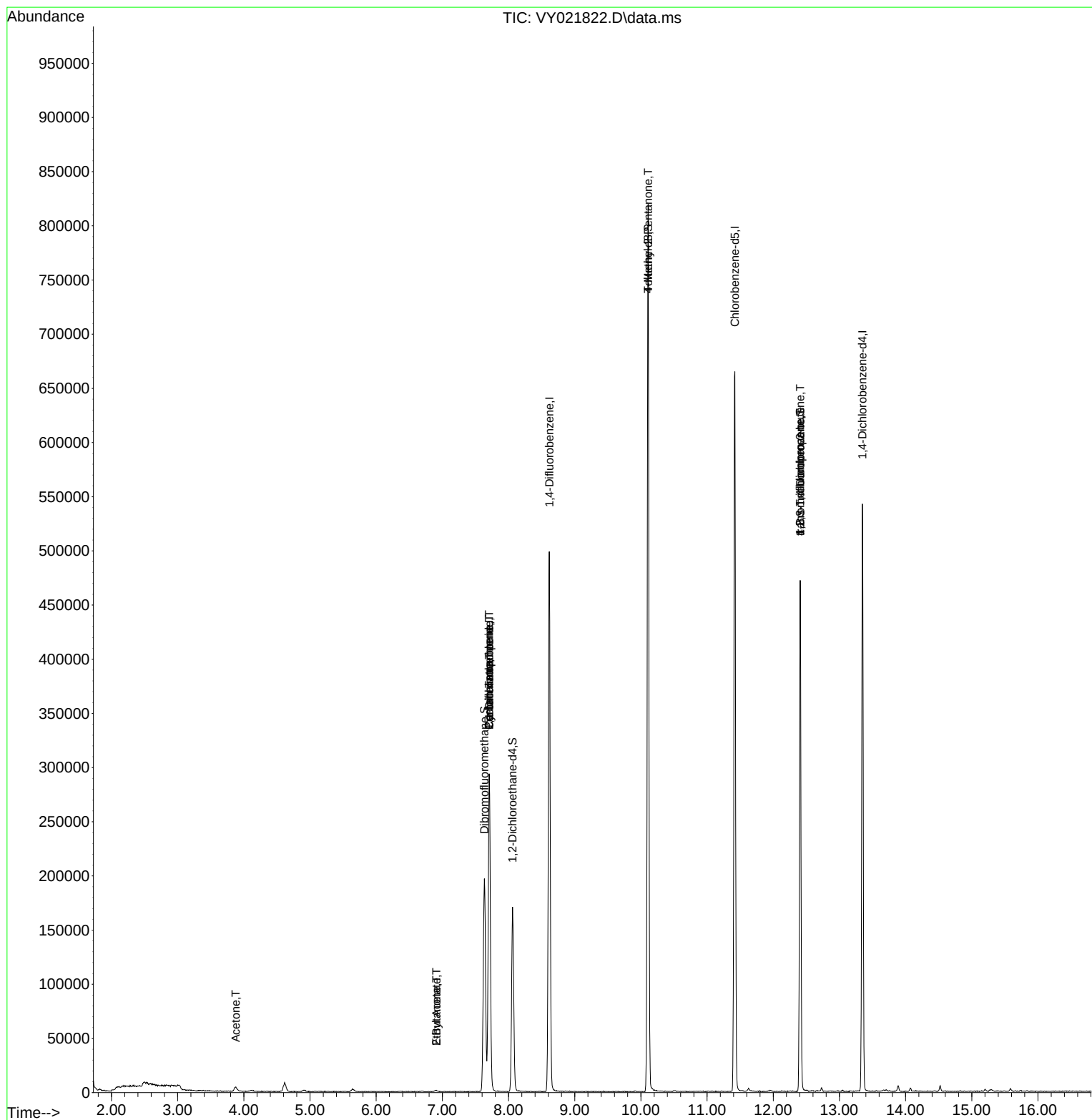
Internal Standards						
1) Pentafluorobenzene	7.707	168	218013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	410649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	353527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	131301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	131357	55.610	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.220%	
35) Dibromofluoromethane	7.634	113	138854	52.126	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.260%	
50) Toluene-d8	10.109	98	506153	49.946	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.900%	
62) 4-Bromofluorobenzene	12.408	95	137745	40.185	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.360%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	7511	15.537	ug/l	94
20) Methylene Chloride	4.610	84	5652	Below Cal	#	72
25) 2-Butanone	6.909	43	2189	3.170	ug/l	95
31) Cyclohexane	7.707	56	5212	1.250	ug/l #	9
36) 1,1-Dichloropropene	7.707	75	18302	4.511	ug/l #	50
37) Ethyl Acetate	6.909	43	2189	1.143	ug/l #	69
38) Carbon Tetrachloride	7.707	117	22510	4.844	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	2346	1.242	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	71660	55.058	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	71660	126.864	ug/l #	12

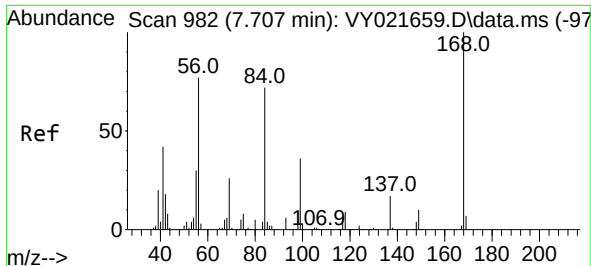
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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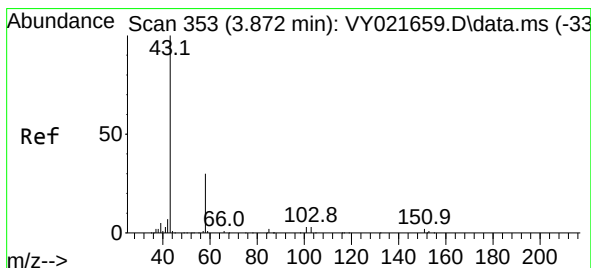
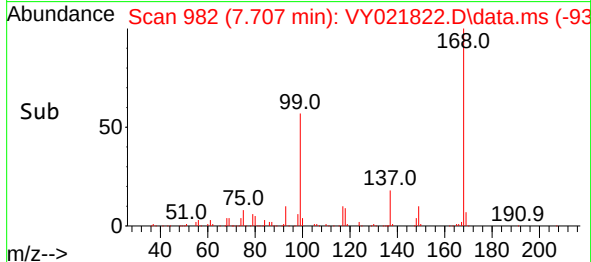
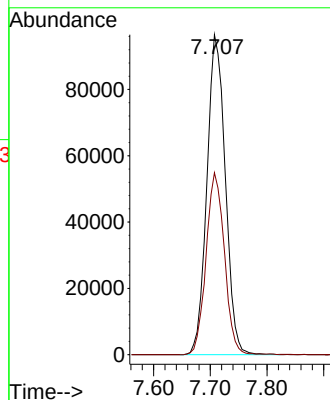
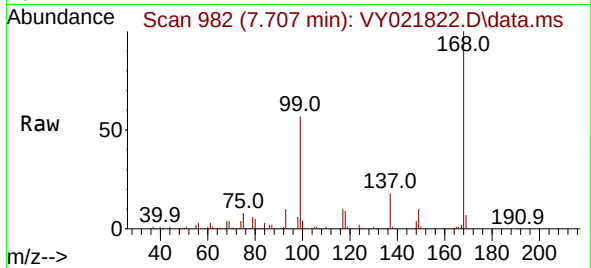




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021822.D
Acq: 09 Apr 2025 16:24

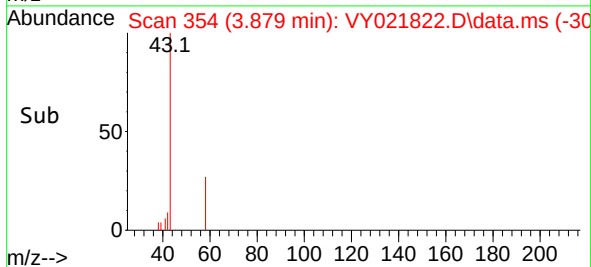
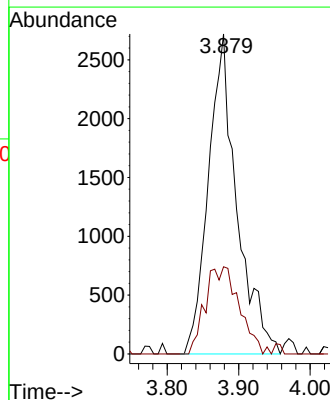
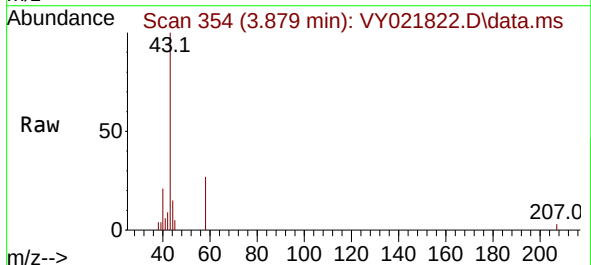
Instrument :
MSVOA_Y
ClientSampleId :
IB-2A-VOC

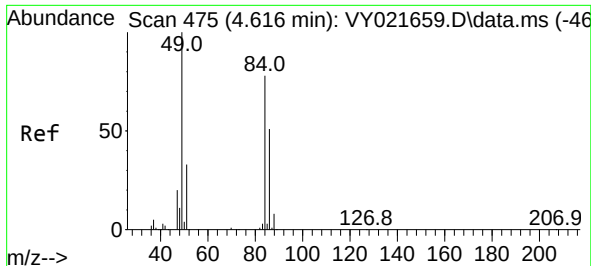
Tgt Ion:168 Resp: 218013
Ion Ratio Lower Upper
168 100
99 56.9 46.7 70.1



#16
Acetone
Concen: 15.537 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021822.D
Acq: 09 Apr 2025 16:24

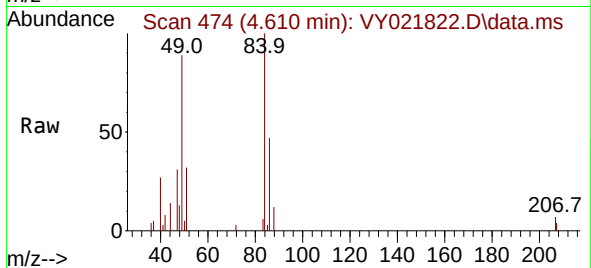
Tgt Ion: 43 Resp: 7511
Ion Ratio Lower Upper
43 100
58 27.2 24.2 36.4



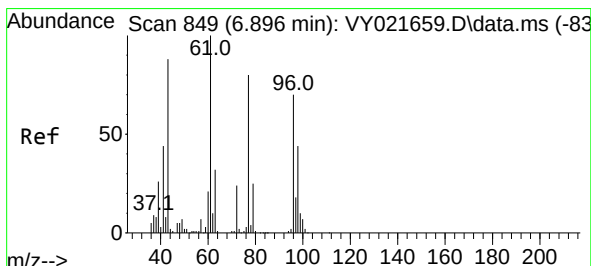
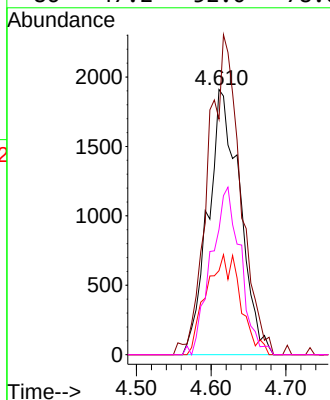
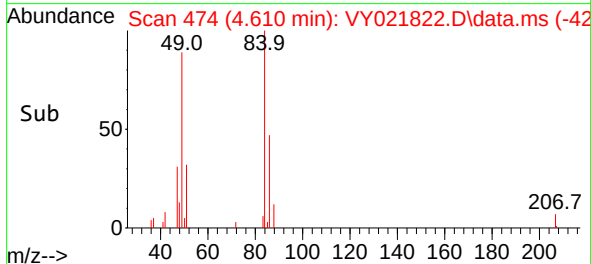


#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY021822.D
Acq: 09 Apr 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
IB-2A-VOC

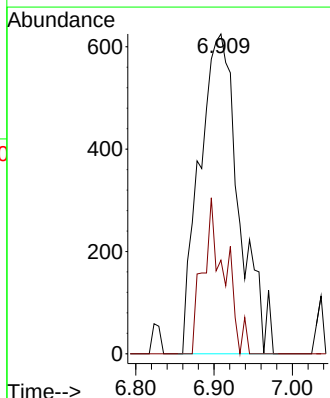
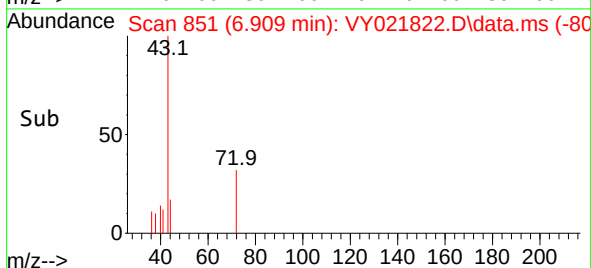
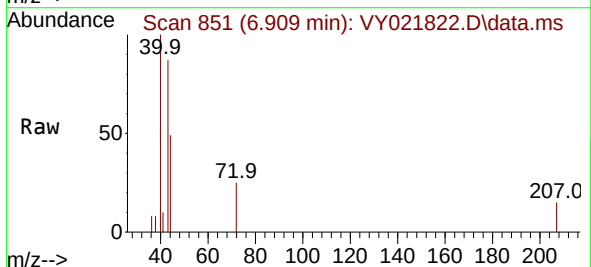


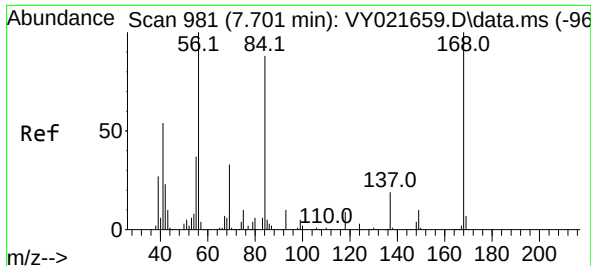
Tgt Ion: 84 Resp: 5652
Ion Ratio Lower Upper
84 100
49 88.8 102.8 154.2#
51 31.7 33.5 50.3#
86 47.2 52.0 78.0#



#25
2-Butanone
Concen: 3.170 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.012 min
Lab File: VY021822.D
Acq: 09 Apr 2025 16:24

Tgt Ion: 43 Resp: 2189
Ion Ratio Lower Upper
43 100
72 29.3 21.4 32.2

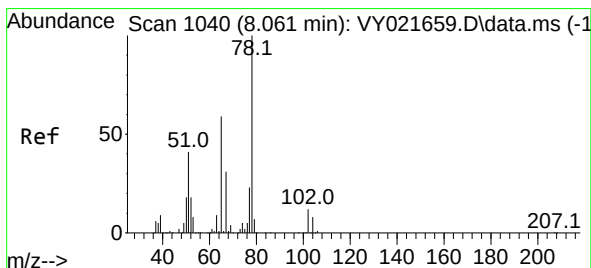
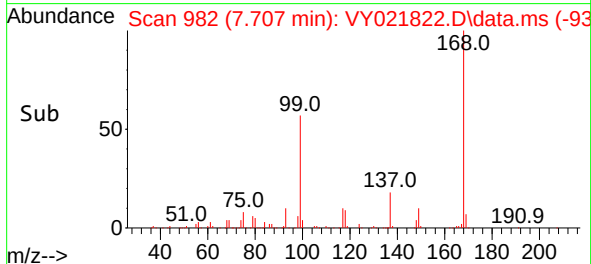
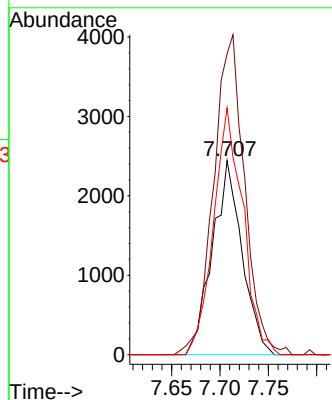
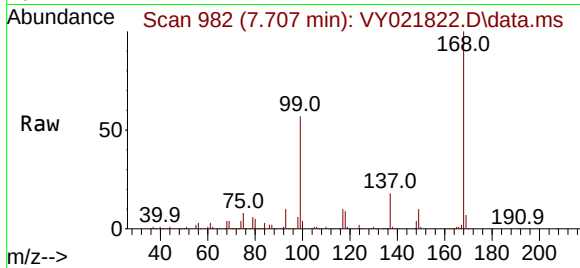




#31
Cyclohexane
Concen: 1.250 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021822.D
Acq: 09 Apr 2025 16:24

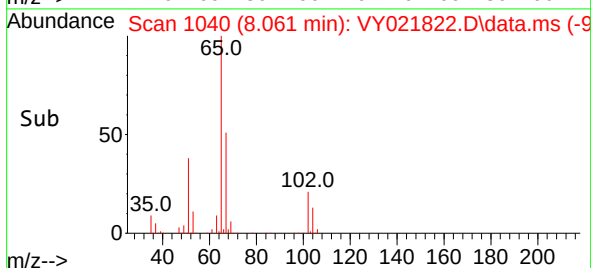
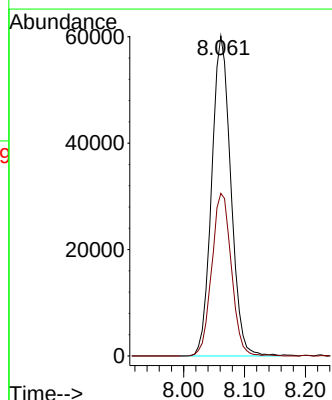
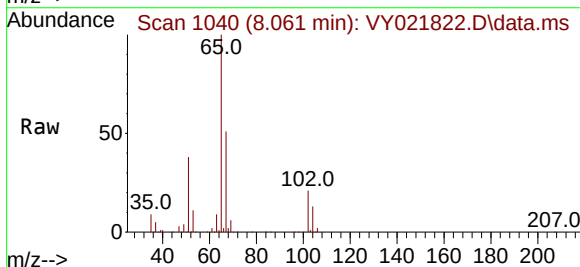
Instrument :
MSVOA_Y
ClientSampleId :
IB-2A-VOC

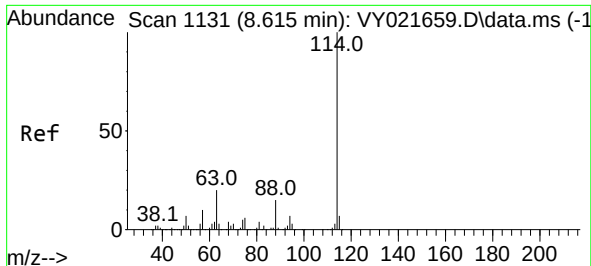
Tgt Ion: 56 Resp: 5212
Ion Ratio Lower Upper
56 100
69 153.0 26.6 40.0#
84 127.2 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 55.610 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021822.D
Acq: 09 Apr 2025 16:24

Tgt Ion: 65 Resp: 131357
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021822.D

Acq: 09 Apr 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

IB-2A-VOC

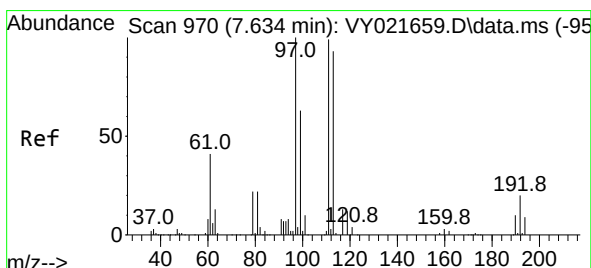
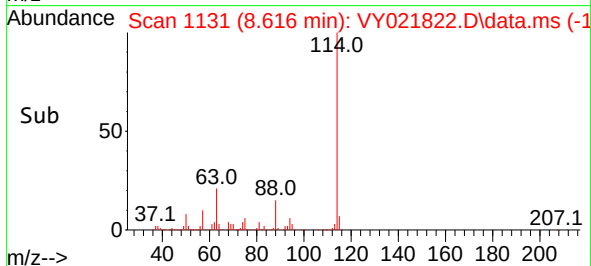
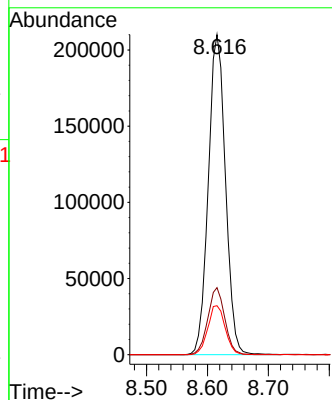
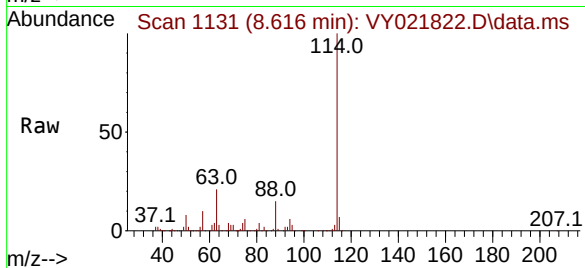
Tgt Ion:114 Resp: 410649

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.2

88 15.3 0.0 29.8



#35

Dibromofluoromethane

Concen: 52.126 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021822.D

Acq: 09 Apr 2025 16:24

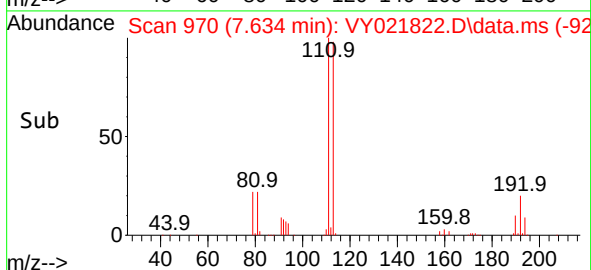
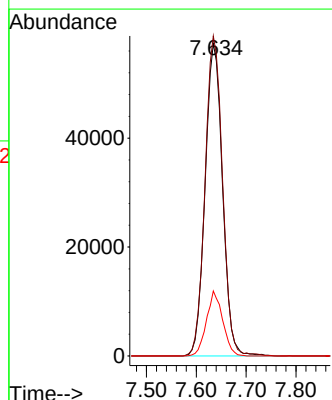
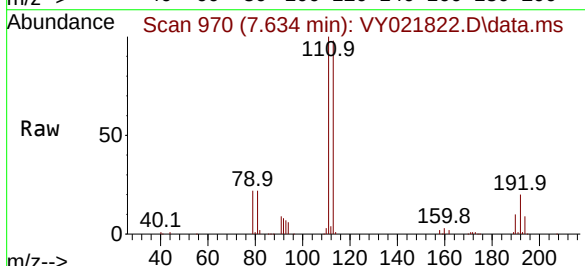
Tgt Ion:113 Resp: 138854

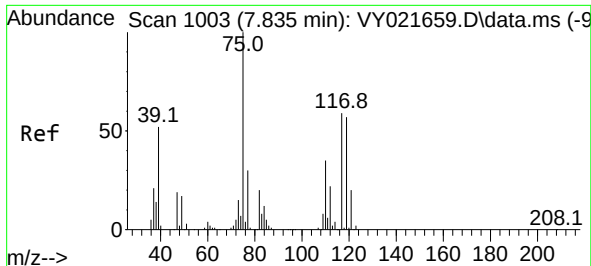
Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

192 19.4 16.2 24.4

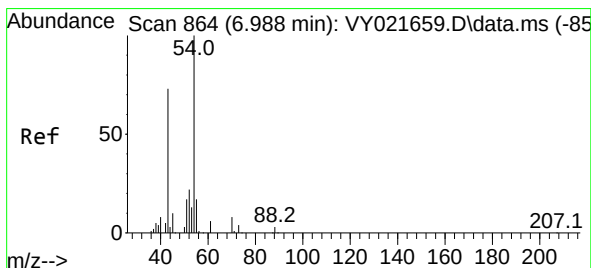
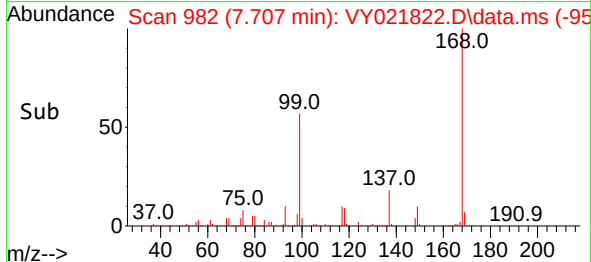
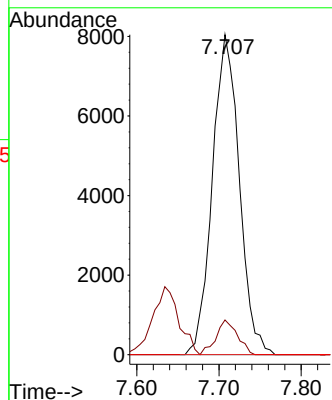
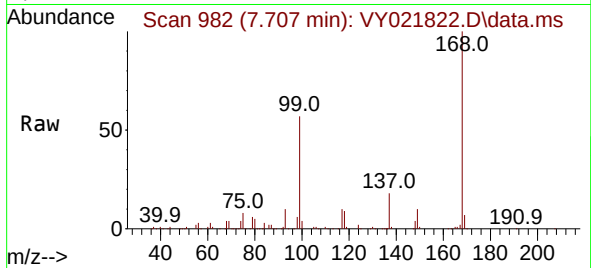




#36
1,1-Dichloropropene
Concen: 4.511 ug/l
RT: 7.707 min Scan# 911
Delta R.T. -0.128 min
Lab File: VY021822.D
Acq: 09 Apr 2025 16:24

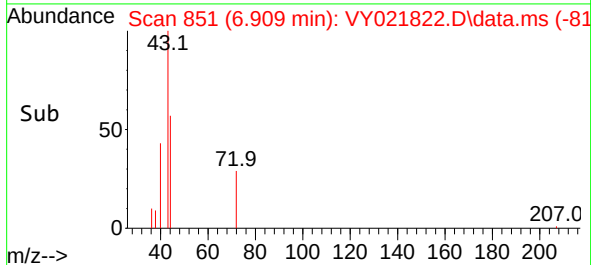
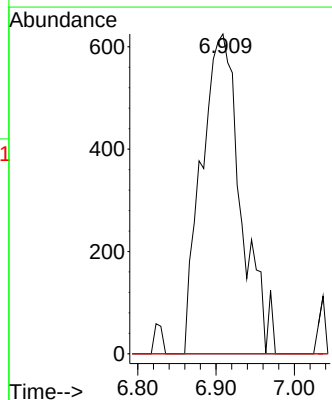
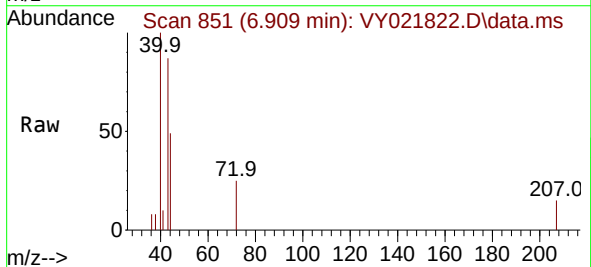
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IB-2A-VOC

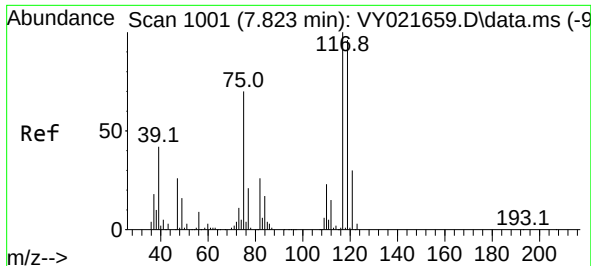
Tgt Ion: 75 Resp: 18302
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.143 ug/l
RT: 6.909 min Scan# 851
Delta R.T. -0.079 min
Lab File: VY021822.D
Acq: 09 Apr 2025 16:24

Tgt Ion: 43 Resp: 2189
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 8.1 12.1#

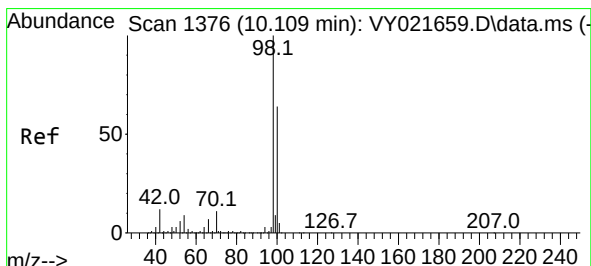
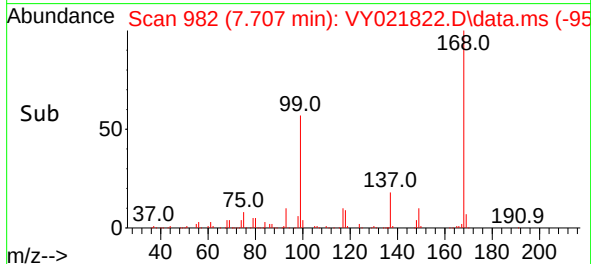
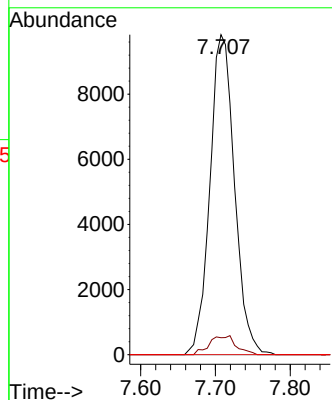
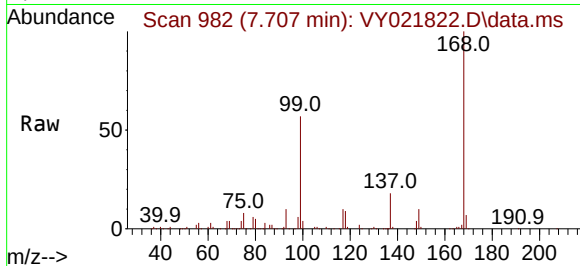




#38
Carbon Tetrachloride
Concen: 4.844 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021822.D
Acq: 09 Apr 2025 16:24

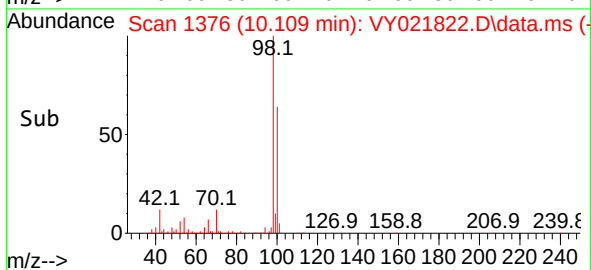
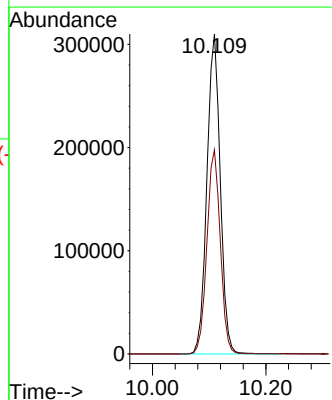
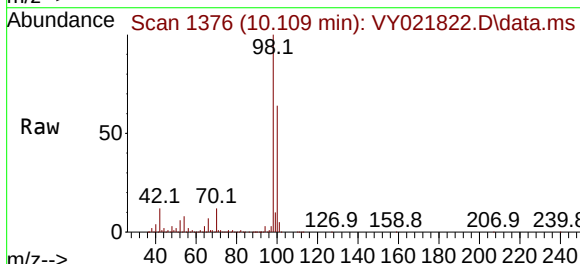
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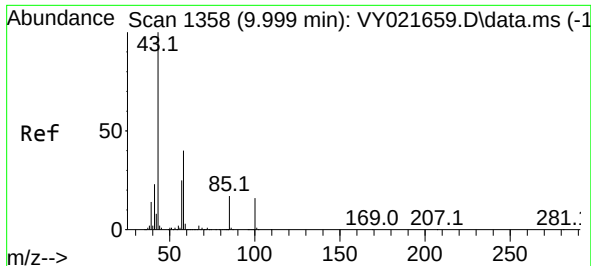
Tgt Ion:117 Resp: 22510
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.946 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021822.D
Acq: 09 Apr 2025 16:24

Tgt Ion: 98 Resp: 506153
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.242 ug/l

RT: 10.109 min Scan# 1358

Delta R.T. 0.110 min

Lab File: VY021822.D

Acq: 09 Apr 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

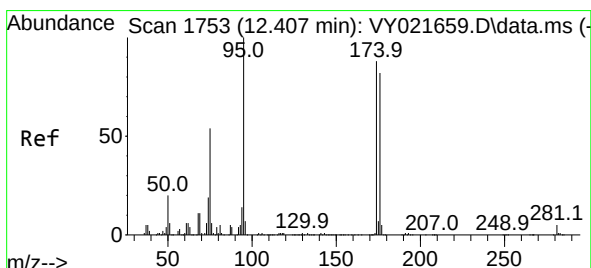
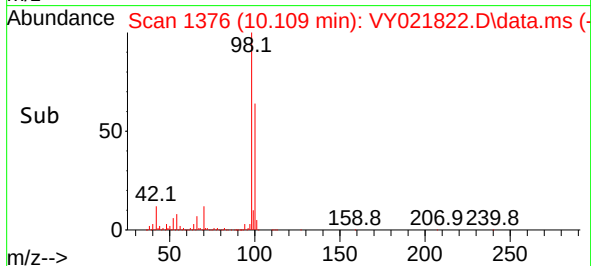
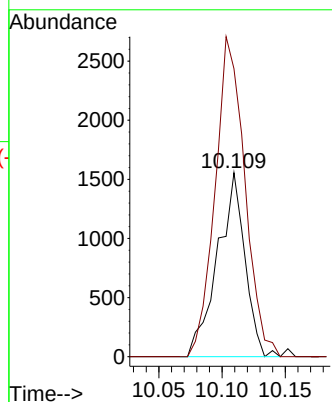
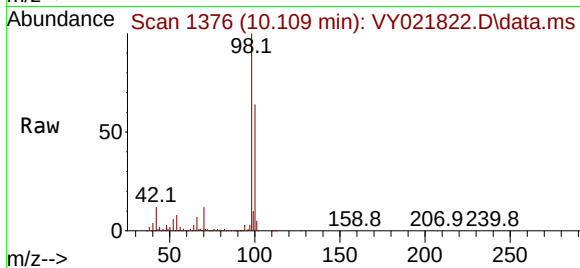
IB-2A-VOC

Tgt Ion: 43 Resp: 2346

Ion Ratio Lower Upper

43 100

58 188.2 31.5 47.3#



#62

4-Bromofluorobenzene

Concen: 40.185 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021822.D

Acq: 09 Apr 2025 16:24

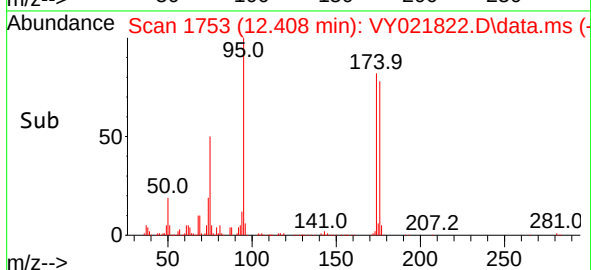
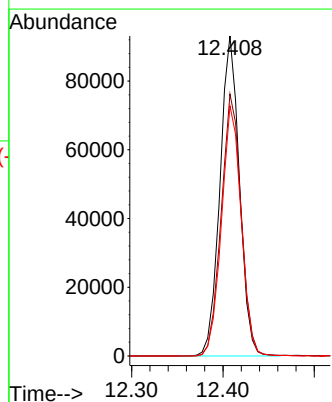
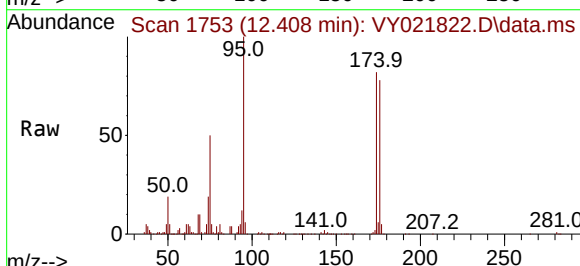
Tgt Ion: 95 Resp: 137745

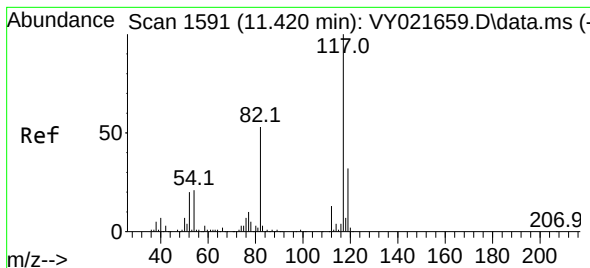
Ion Ratio Lower Upper

95 100

174 84.2 0.0 170.8

176 79.3 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021822.D

Acq: 09 Apr 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

IB-2A-VOC

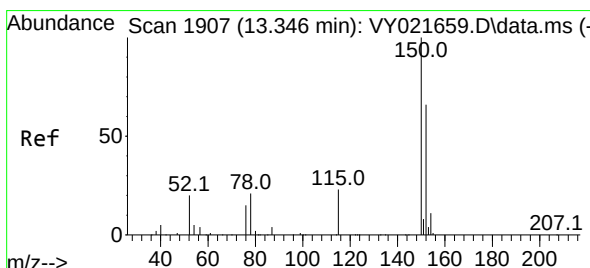
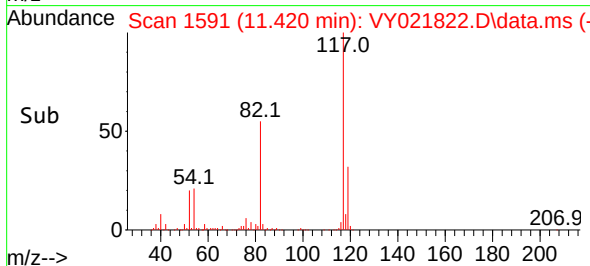
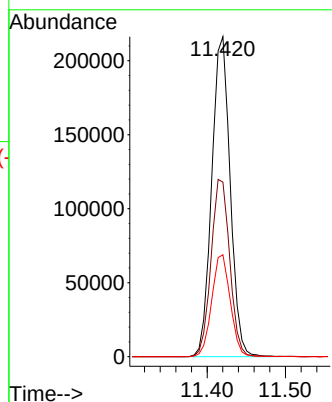
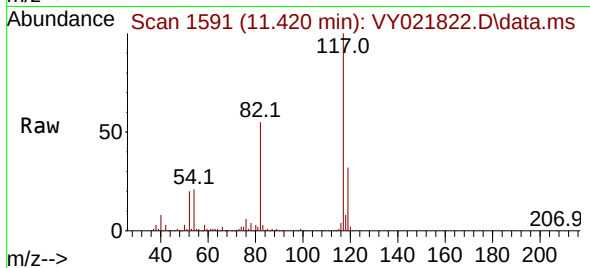
Tgt Ion:117 Resp: 353527

Ion Ratio Lower Upper

117 100

82 54.5 42.8 64.2

119 31.9 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021822.D

Acq: 09 Apr 2025 16:24

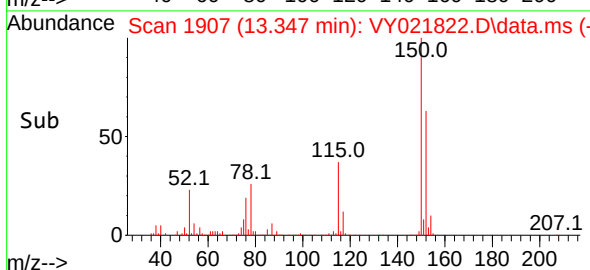
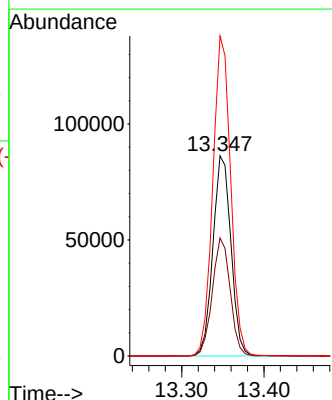
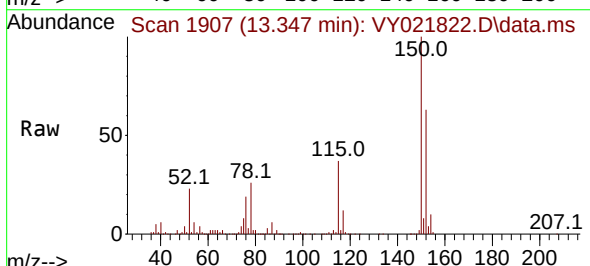
Tgt Ion:152 Resp: 131301

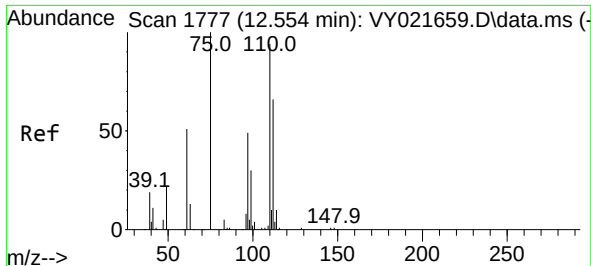
Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 158.0 0.0 348.4

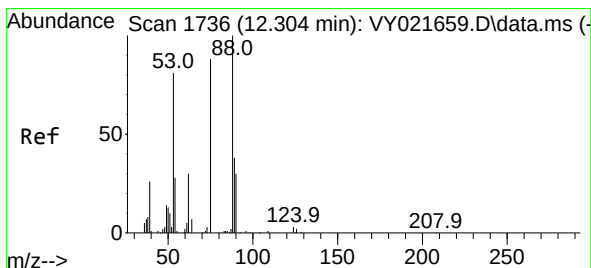
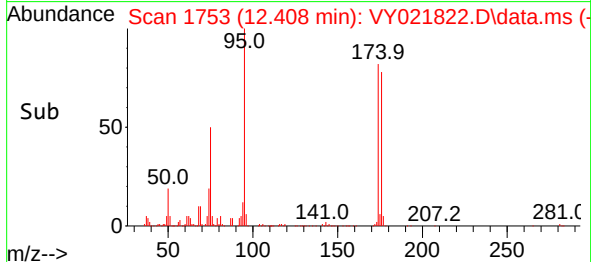
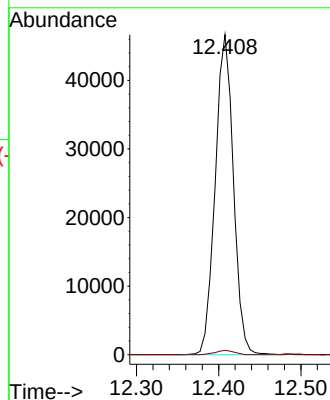
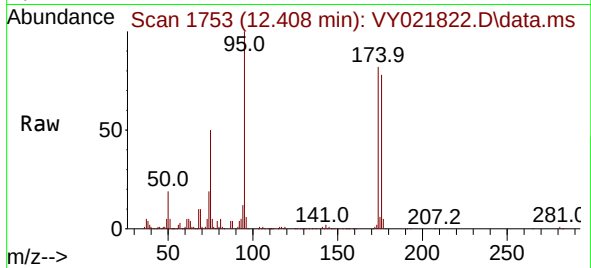




#76
1,2,3-Trichloropropane
Concen: 55.058 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021822.D
Acq: 09 Apr 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
IB-2A-VOC

Tgt Ion: 75 Resp: 71660
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.864 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021822.D
Acq: 09 Apr 2025 16:24

Tgt Ion: 75 Resp: 71660
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.0 36.2 54.4#

