

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022574.D
 Acq On : 05 Jun 2025 15:07
 Operator : SY/MD
 Sample : Q2208-20
 Misc : 5.38g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-08

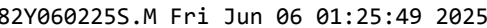
Quant Time: Jun 06 01:25:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	427514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	799204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	670514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	253625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	261458	54.681	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.360%	
35) Dibromofluoromethane	7.628	113	243662	51.079	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.160%	
50) Toluene-d8	10.103	98	988487	51.283	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.560%	
62) 4-Bromofluorobenzene	12.402	95	253594	44.157	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.320%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.701	56	12676	1.380	ug/l #	19
36) 1,1-Dichloropropene	7.701	75	37842	4.888	ug/l #	50
38) Carbon Tetrachloride	7.701	117	44421	5.593	ug/l #	17
51) 4-Methyl-2-Pentanone	10.097	43	4989	1.342	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	154407	53.215	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	154407	128.511	ug/l #	10

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

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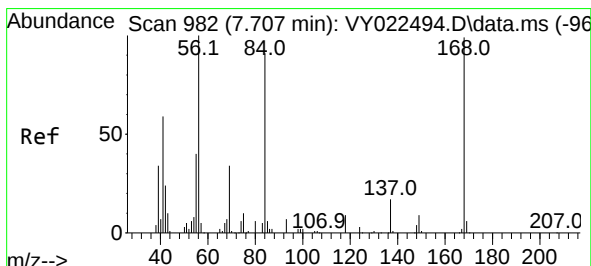
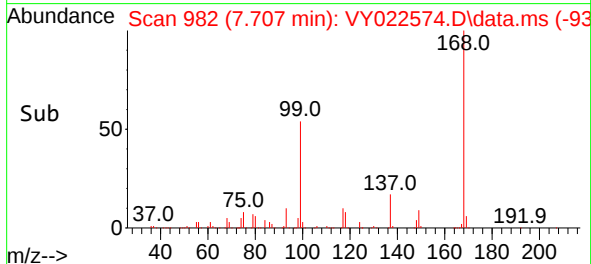
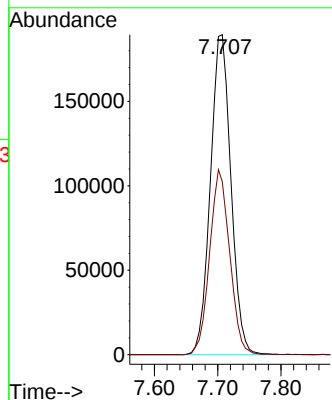
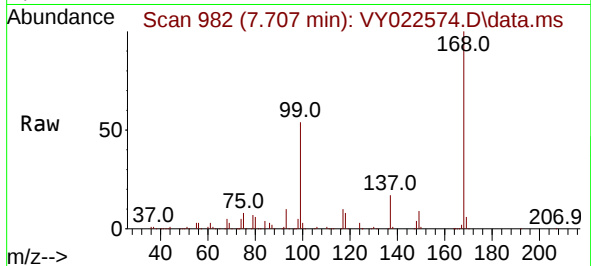




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022574.D
Acq: 05 Jun 2025 15:07

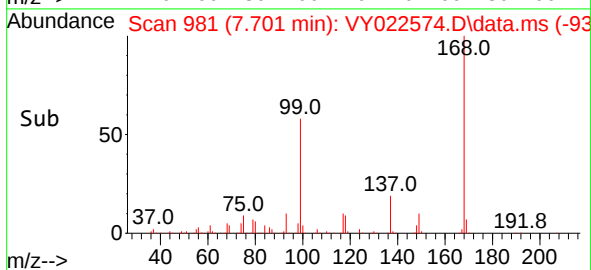
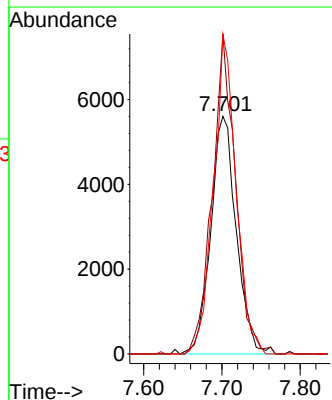
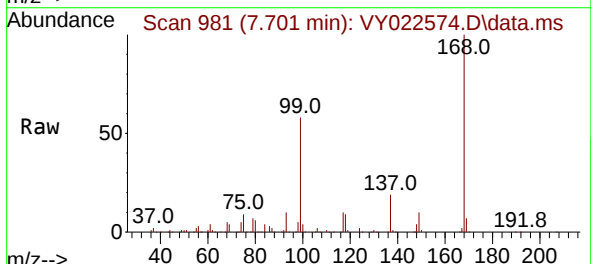
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-08

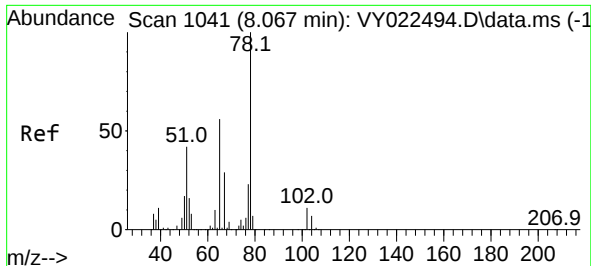
Tgt Ion:168 Resp: 427514
Ion Ratio Lower Upper
168 100
99 54.1 44.3 66.5



#31
Cyclohexane
Concen: 1.380 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022574.D
Acq: 05 Jun 2025 15:07

Tgt Ion: 56 Resp: 12676
Ion Ratio Lower Upper
56 100
69 134.6 27.0 40.6#
84 134.5 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 54.681 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY022574.D

Acq: 05 Jun 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

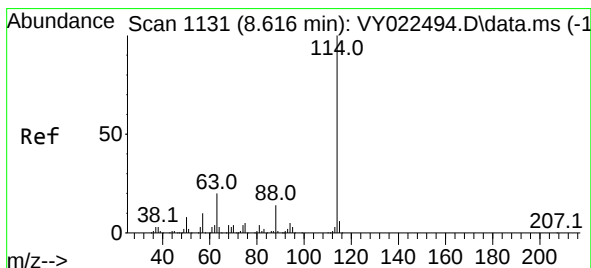
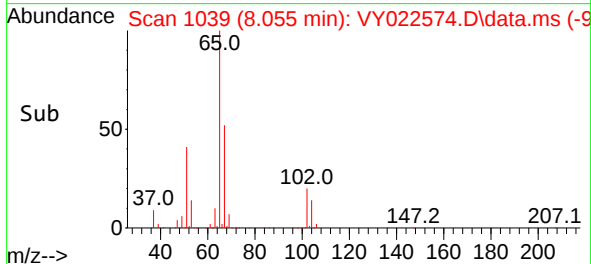
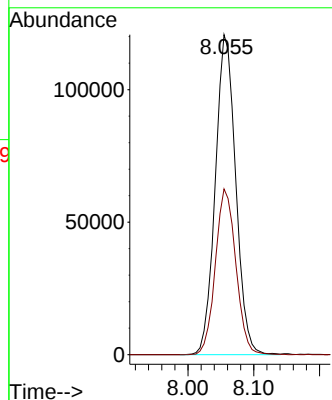
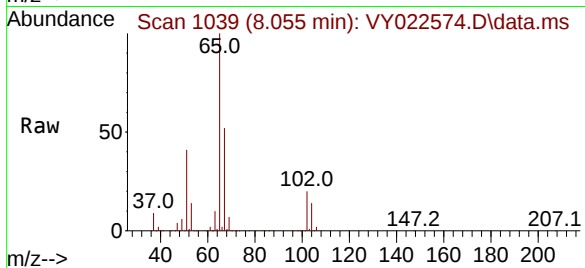
BU-703-VOC-08

Tgt Ion: 65 Resp: 261458

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022574.D

Acq: 05 Jun 2025 15:07

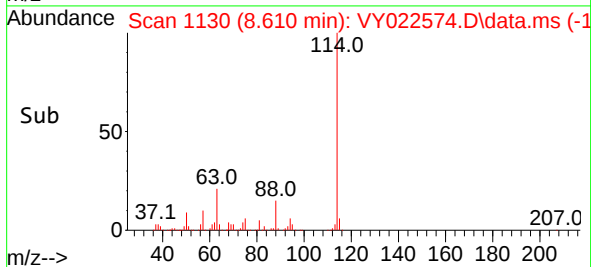
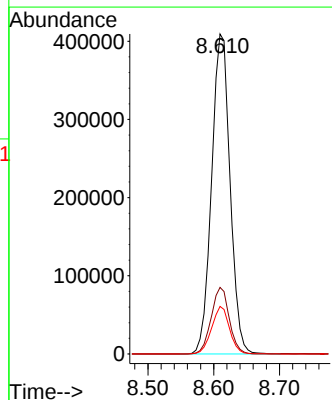
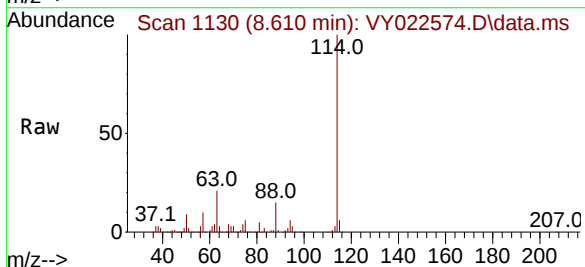
Tgt Ion: 114 Resp: 799204

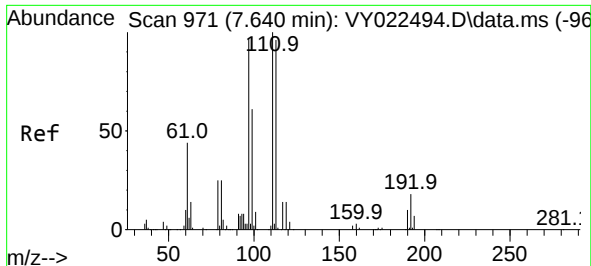
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 14.9 0.0 27.8





#35

Dibromofluoromethane

Concen: 51.079 ug/l

RT: 7.628 min Scan# 90

Delta R.T. -0.012 min

Lab File: VY022574.D

Acq: 05 Jun 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-08

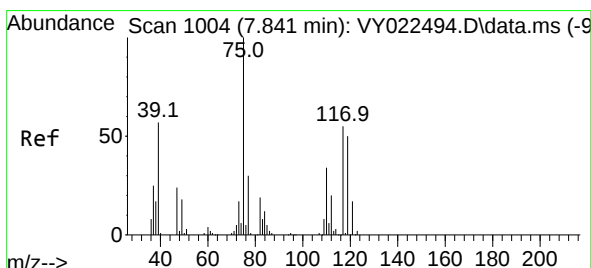
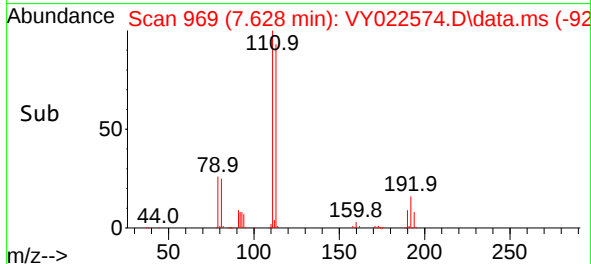
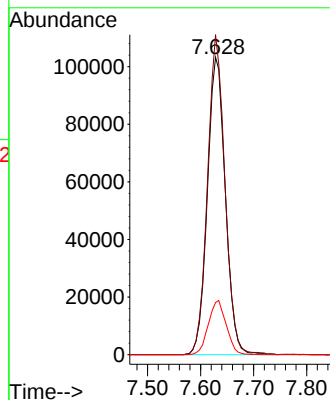
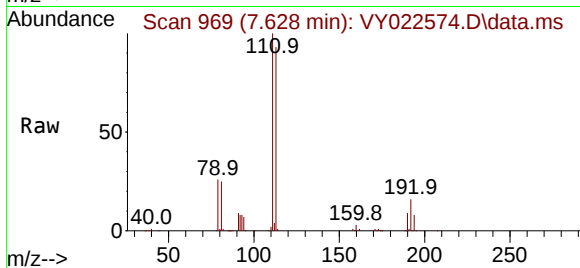
Tgt Ion:113 Resp: 243662

Ion Ratio Lower Upper

113 100

111 104.1 81.1 121.7

192 18.1 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.888 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022574.D

Acq: 05 Jun 2025 15:07

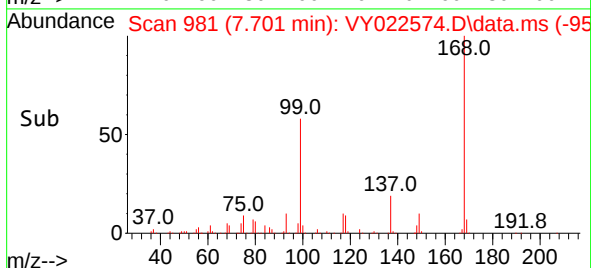
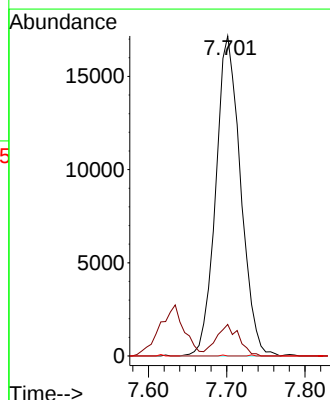
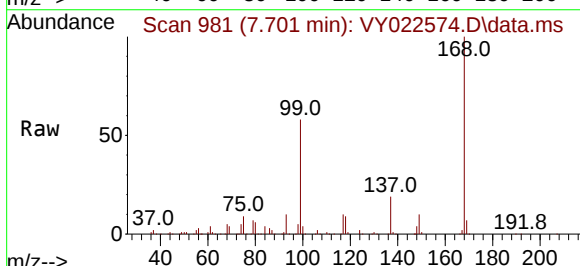
Tgt Ion: 75 Resp: 37842

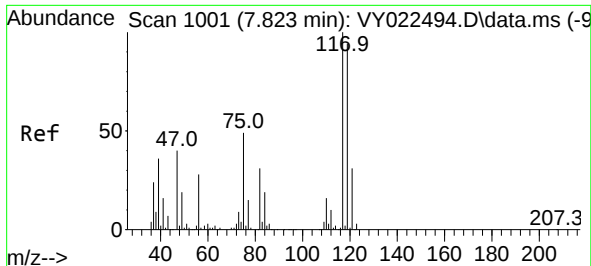
Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.7#

77 0.1 24.8 37.2#

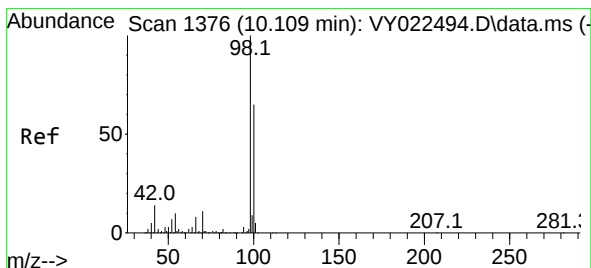
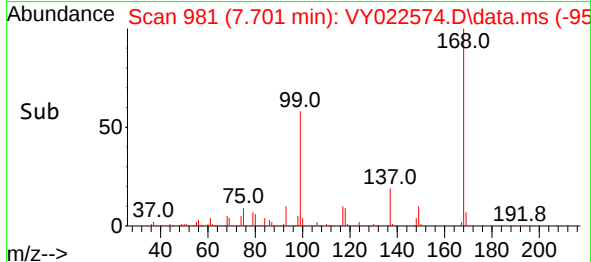
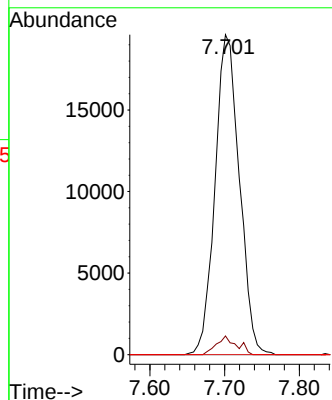
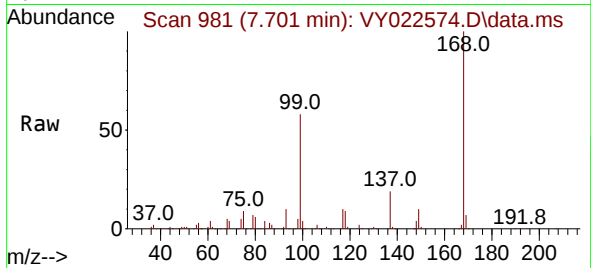




#38
Carbon Tetrachloride
Concen: 5.593 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022574.D
Acq: 05 Jun 2025 15:07

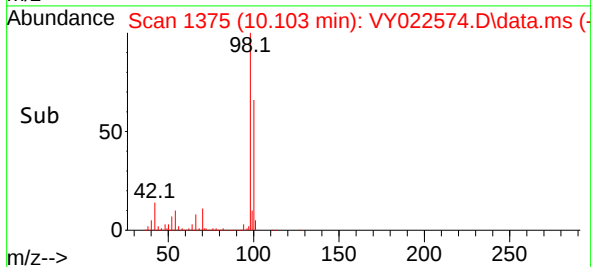
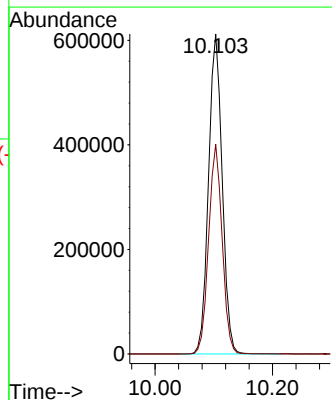
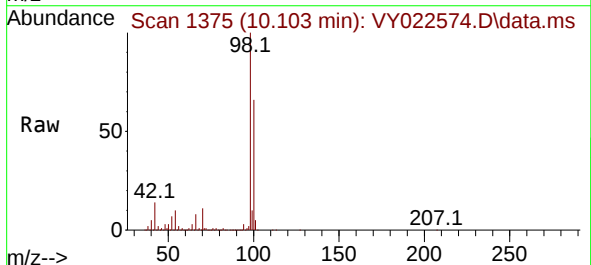
Instrument :
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ClientSampleId :
BU-703-VOC-08

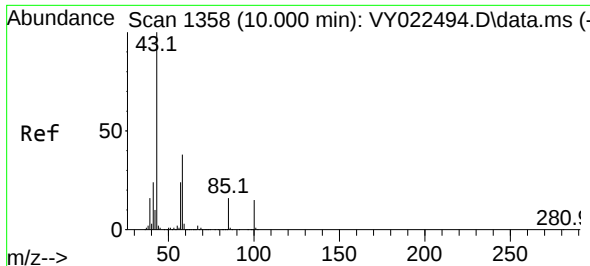
Tgt Ion:117 Resp: 44421
Ion Ratio Lower Upper
117 100
119 5.8 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 51.283 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022574.D
Acq: 05 Jun 2025 15:07

Tgt Ion: 98 Resp: 988487
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0

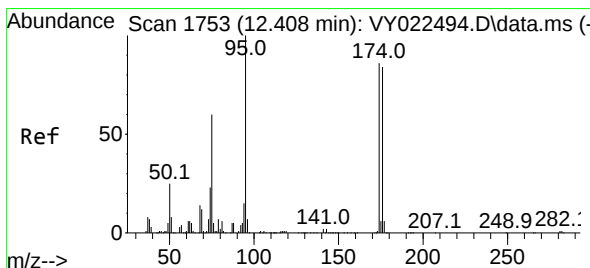
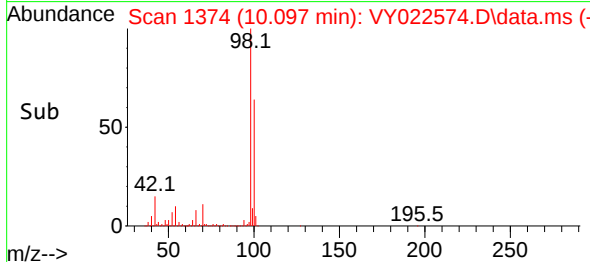
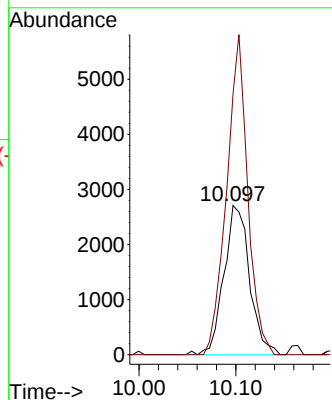
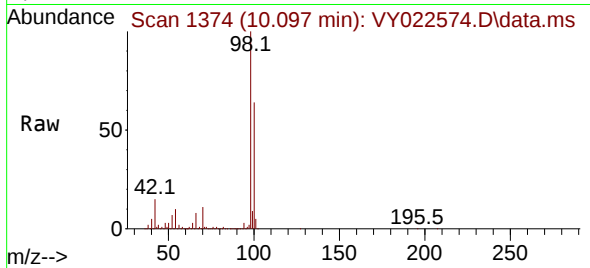




#51
4-Methyl-2-Pentanone
Concen: 1.342 ug/l
RT: 10.097 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022574.D
Acq: 05 Jun 2025 15:07

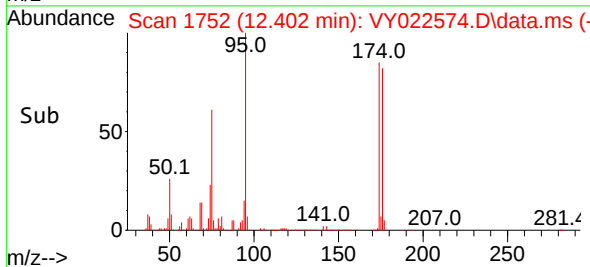
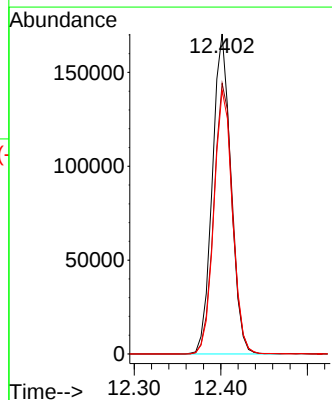
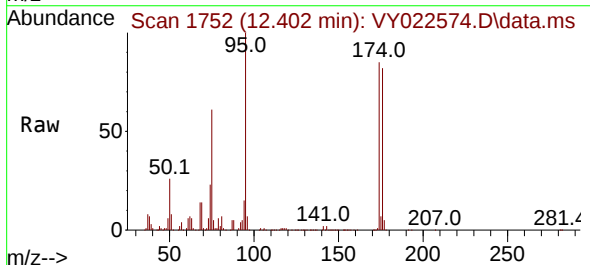
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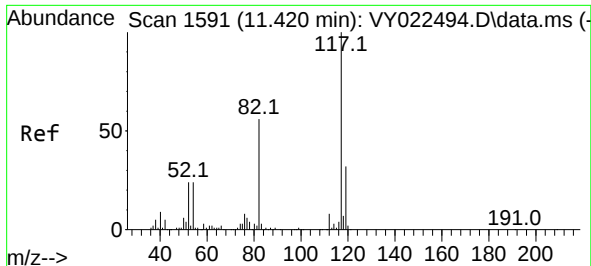
Tgt Ion: 43 Resp: 4989
Ion Ratio Lower Upper
43 100
58 176.5 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 44.157 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022574.D
Acq: 05 Jun 2025 15:07

Tgt Ion: 95 Resp: 253594
Ion Ratio Lower Upper
95 100
174 85.3 0.0 170.0
176 82.4 0.0 166.2

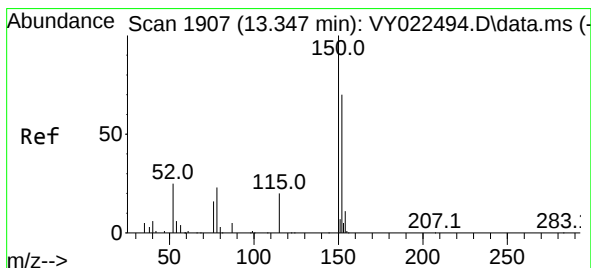
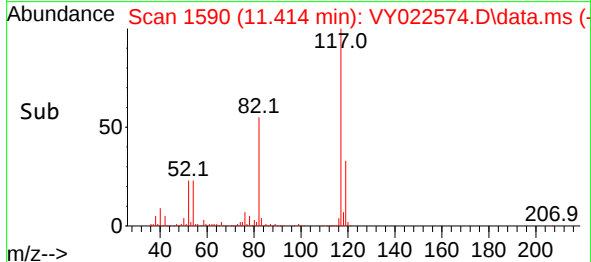
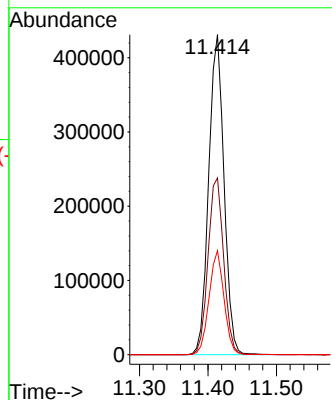
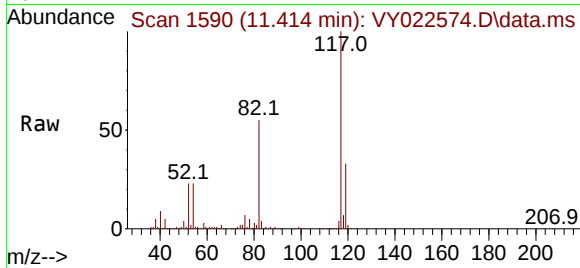




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VY022574.D
Acq: 05 Jun 2025 15:07

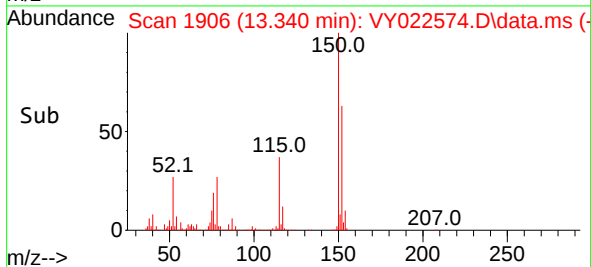
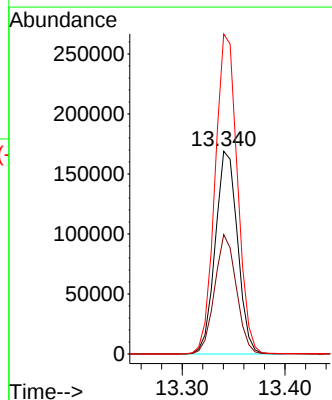
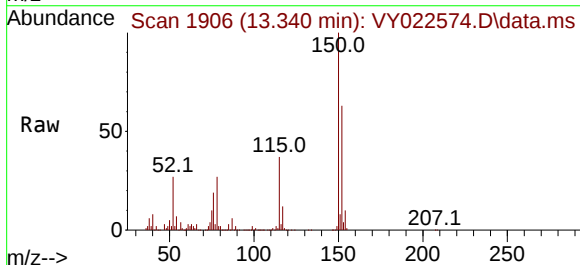
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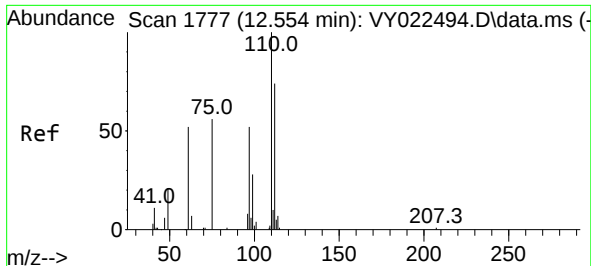
Tgt Ion:117 Resp: 670514
Ion Ratio Lower Upper
117 100
82 55.3 44.6 66.8
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022574.D
Acq: 05 Jun 2025 15:07

Tgt Ion:152 Resp: 253625
Ion Ratio Lower Upper
152 100
115 57.6 28.9 86.7
150 158.6 0.0 349.6

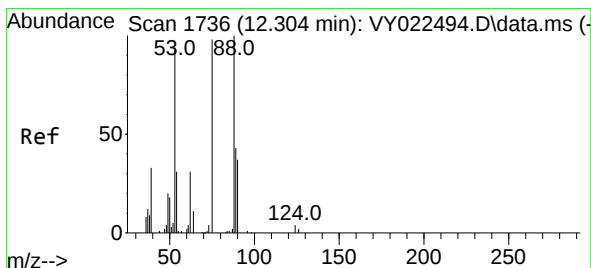
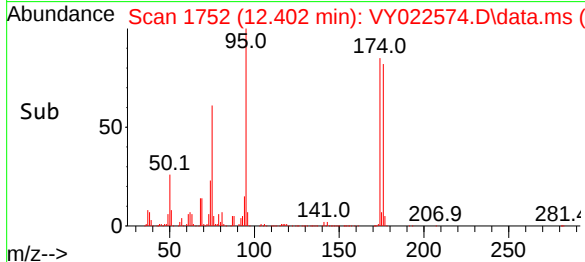
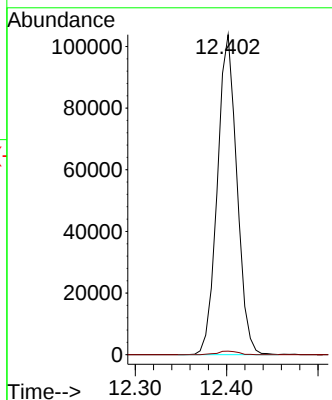
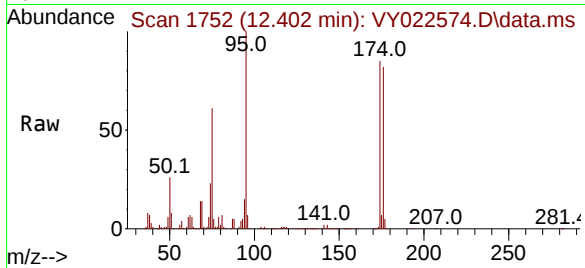




#76
1,2,3-Trichloropropane
Concen: 53.215 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022574.D
Acq: 05 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-08

Tgt Ion: 75 Resp: 154407
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.511 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022574.D
Acq: 05 Jun 2025 15:07

Tgt Ion: 75 Resp: 154407
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

