

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022575.D
 Acq On : 05 Jun 2025 15:31
 Operator : SY/MD
 Sample : Q2208-29
 Misc : 5.82g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-09

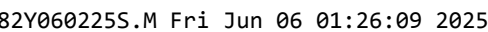
Quant Time: Jun 06 01:25:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

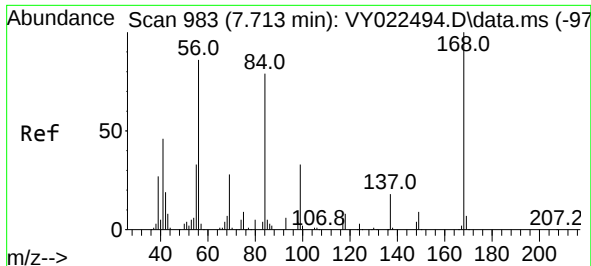
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.701	168	423720	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	790707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	654628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	249842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	246964	52.112	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.220%	
35) Dibromofluoromethane	7.628	113	237218	50.263	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.520%	
50) Toluene-d8	10.103	98	974477	51.100	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.200%	
62) 4-Bromofluorobenzene	12.402	95	250257	44.044	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.080%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	5752	5.976	ug/l	92
31) Cyclohexane	7.701	56	11789	1.295	ug/l #	45
36) 1,1-Dichloropropene	7.707	75	38482	5.024	ug/l #	50
38) Carbon Tetrachloride	7.701	117	44483	5.661	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	5222	1.420	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	148053	51.798	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	148053	125.089	ug/l #	10

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

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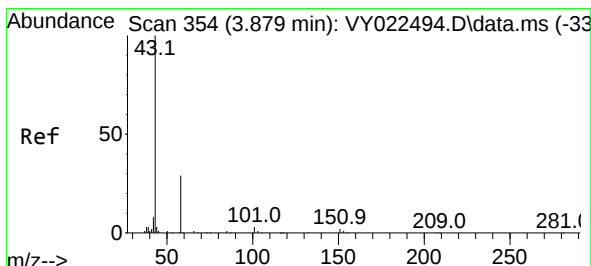
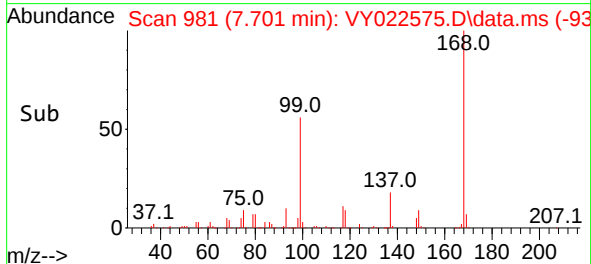
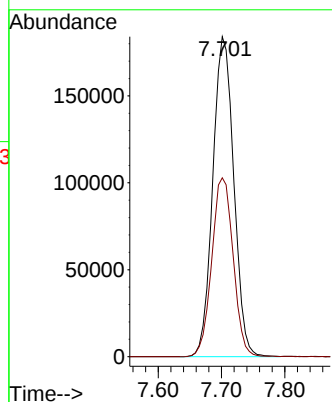
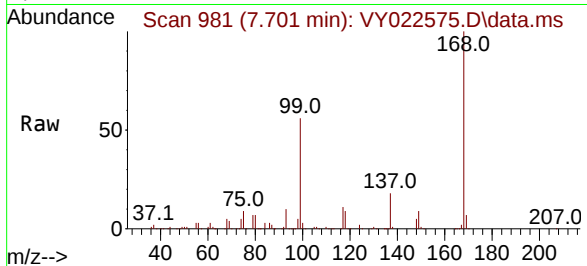




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022575.D
Acq: 05 Jun 2025 15:31

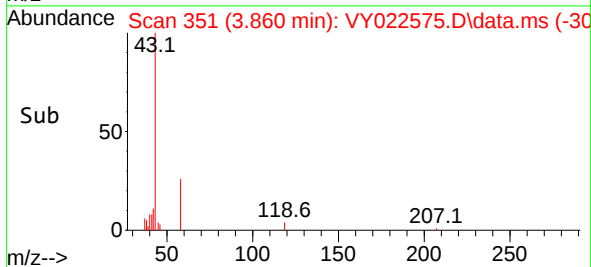
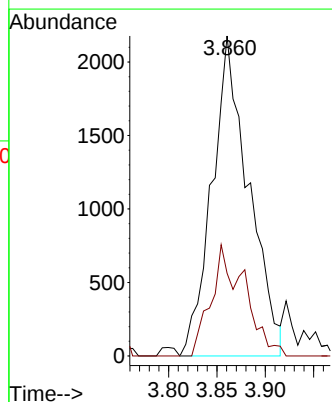
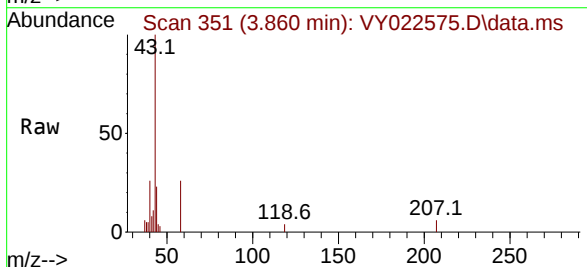
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-09

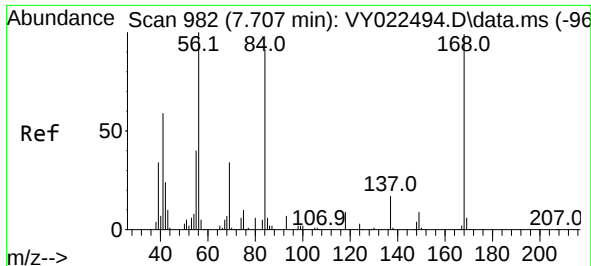
Tgt Ion:168 Resp: 423720
Ion Ratio Lower Upper
168 100
99 55.9 44.3 66.5



#16
Acetone
Concen: 5.976 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022575.D
Acq: 05 Jun 2025 15:31

Tgt Ion: 43 Resp: 5752
Ion Ratio Lower Upper
43 100
58 25.9 24.0 36.0

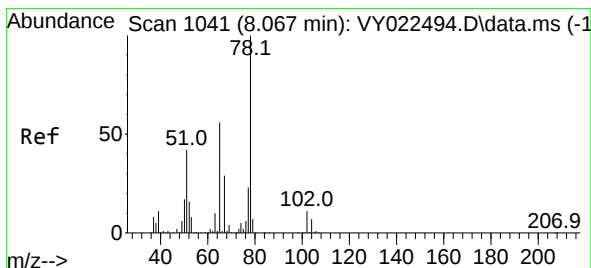
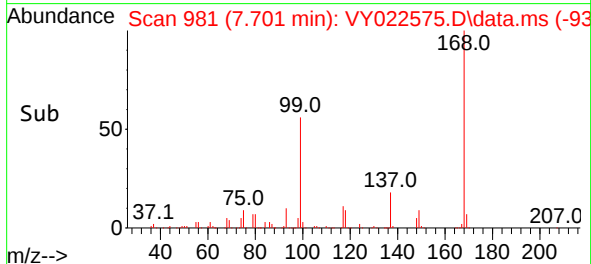
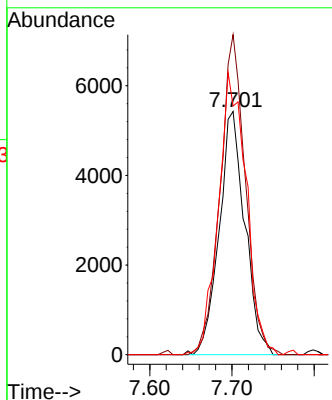
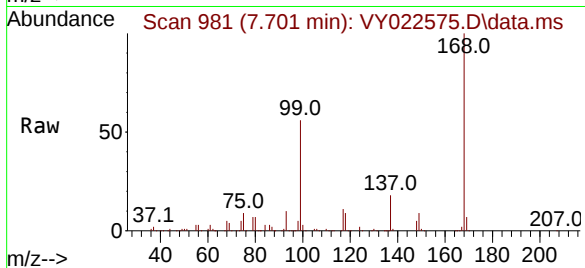




#31
Cyclohexane
Concen: 1.295 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022575.D
Acq: 05 Jun 2025 15:31

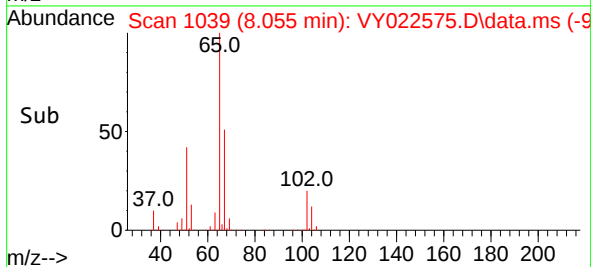
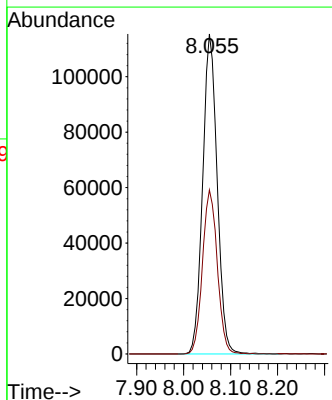
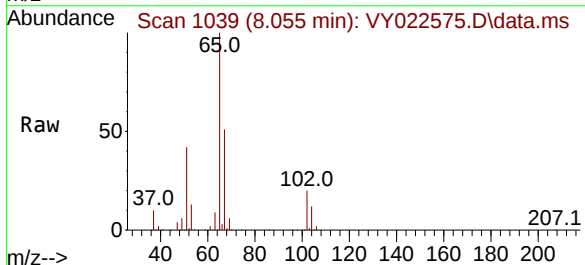
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-09

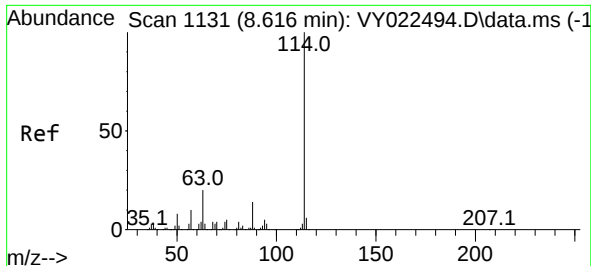
Tgt Ion: 56 Resp: 11789
Ion Ratio Lower Upper
56 100
69 131.5 27.0 40.6#
84 102.2 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 52.112 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022575.D
Acq: 05 Jun 2025 15:31

Tgt Ion: 65 Resp: 246964
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022575.D

Acq: 05 Jun 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-09

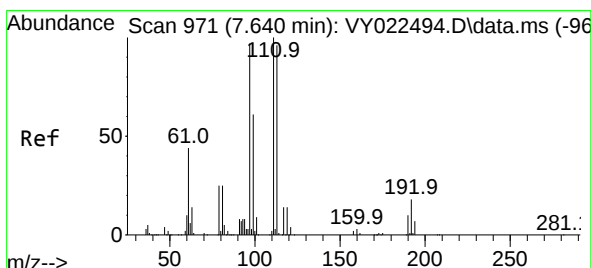
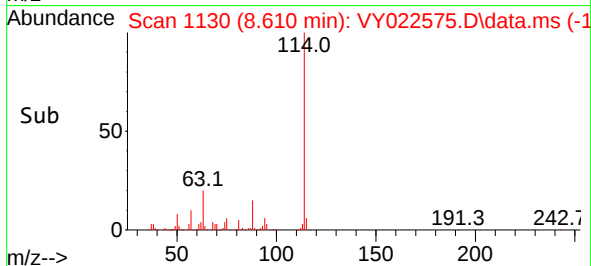
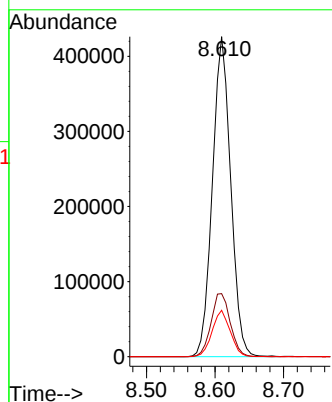
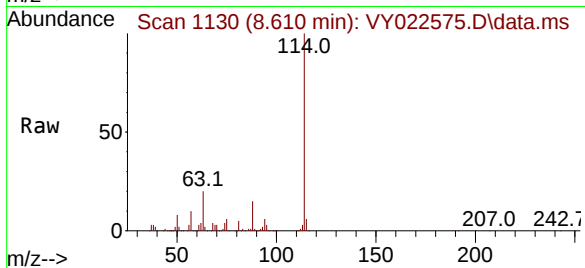
Tgt Ion:114 Resp: 790707

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 14.5 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.263 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022575.D

Acq: 05 Jun 2025 15:31

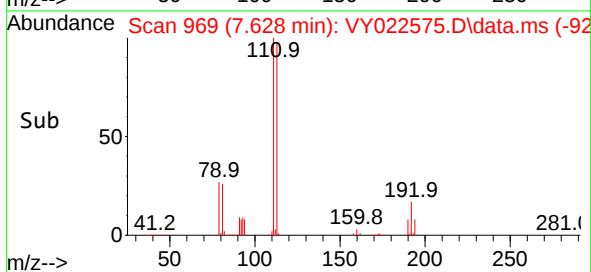
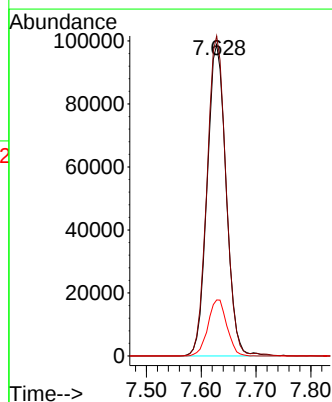
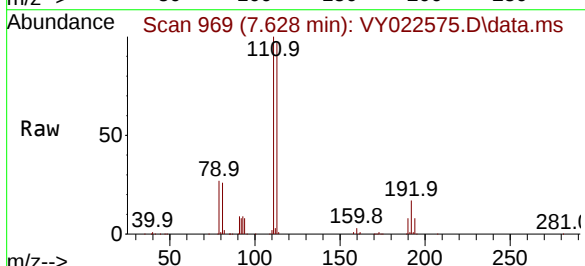
Tgt Ion:113 Resp: 237218

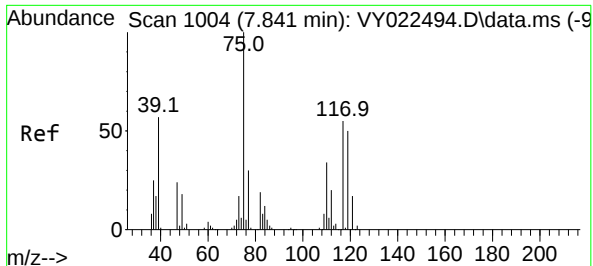
Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

192 18.0 14.2 21.2

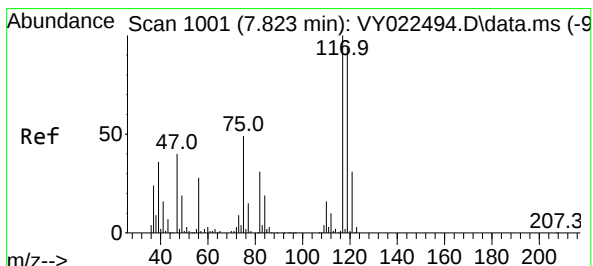
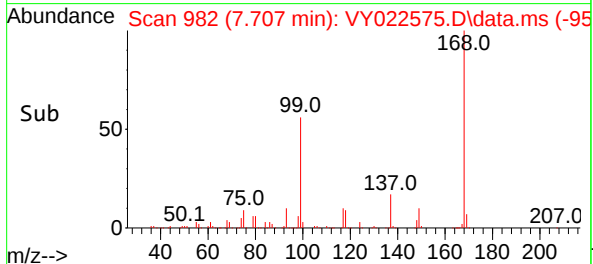
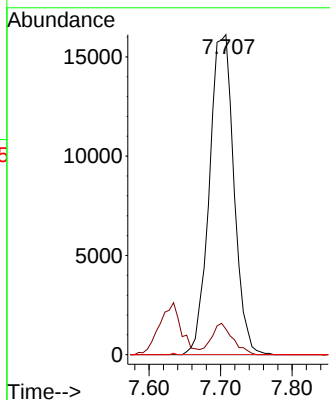
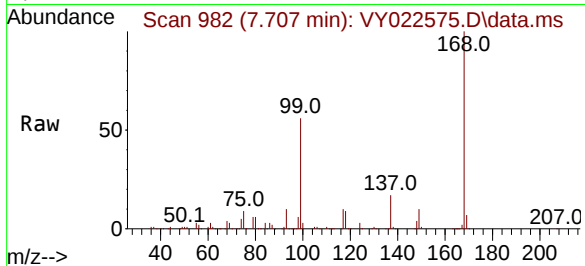




#36
1,1-Dichloropropene
Concen: 5.024 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY022575.D
Acq: 05 Jun 2025 15:31

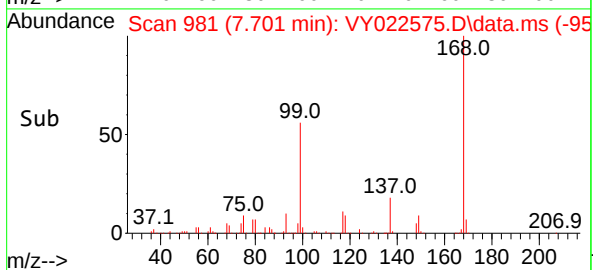
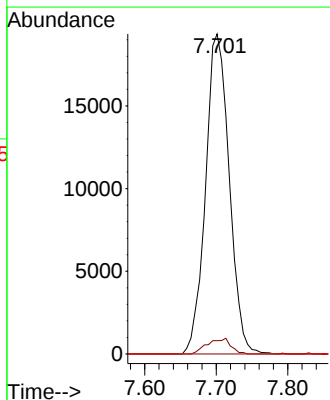
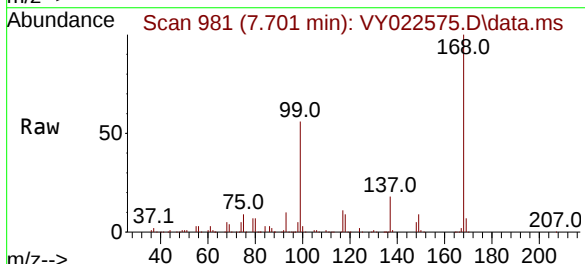
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-09

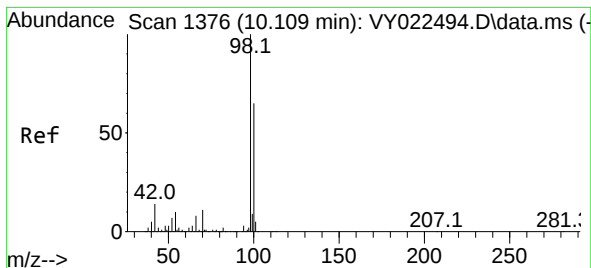
Tgt Ion: 75 Resp: 38482
Ion Ratio Lower Upper
75 100
110 8.5 16.9 50.7#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.661 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY022575.D
Acq: 05 Jun 2025 15:31

Tgt Ion: 117 Resp: 44483
Ion Ratio Lower Upper
117 100
119 4.1 75.0 112.6#
121 0.0 25.0 37.4#

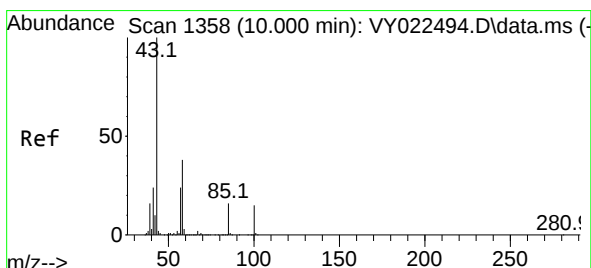
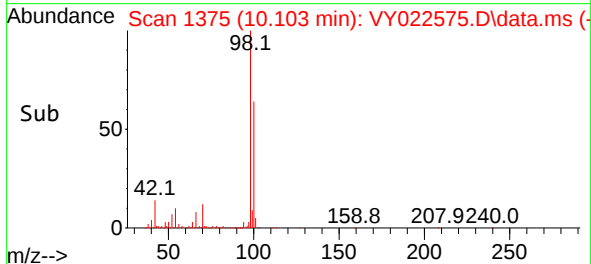
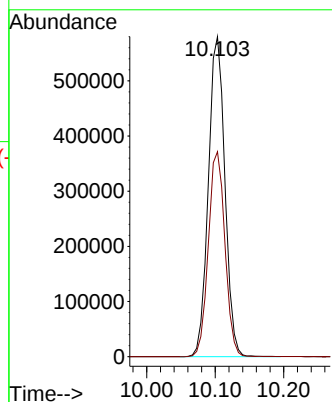
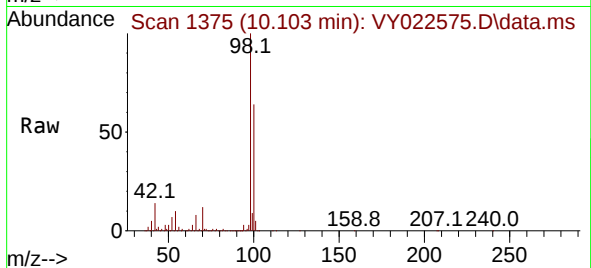




#50
Toluene-d8
Concen: 51.100 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022575.D
Acq: 05 Jun 2025 15:31

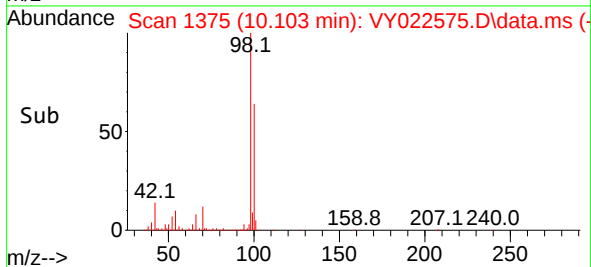
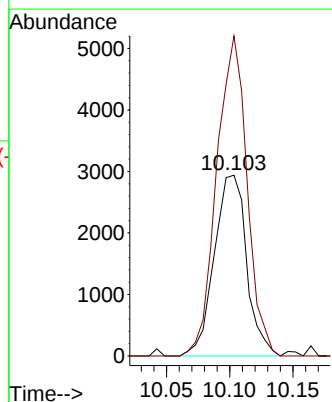
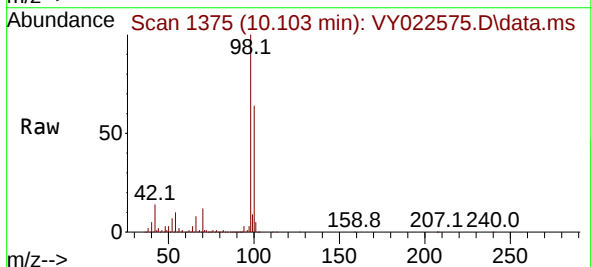
Instrument :
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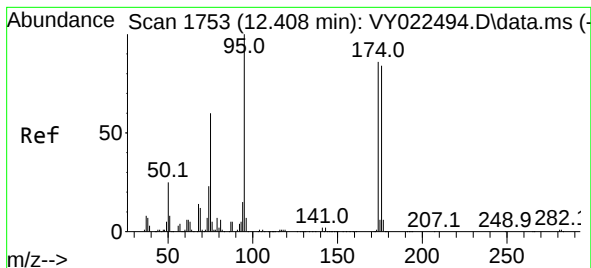
Tgt Ion: 98 Resp: 974477
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.420 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022575.D
Acq: 05 Jun 2025 15:31

Tgt Ion: 43 Resp: 5222
Ion Ratio Lower Upper
43 100
58 166.4 30.4 45.6#

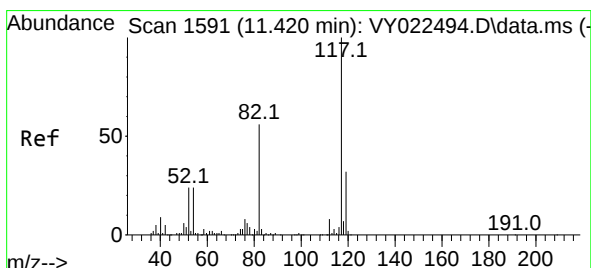
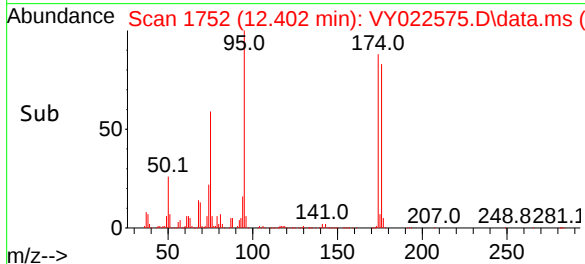
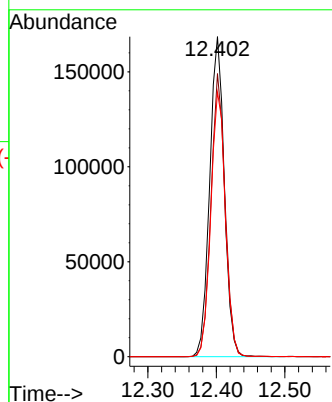
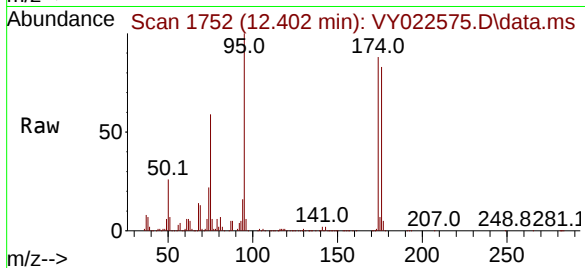




#62
4-Bromofluorobenzene
Concen: 44.044 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022575.D
Acq: 05 Jun 2025 15:31

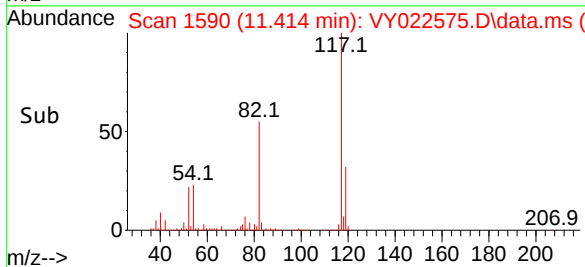
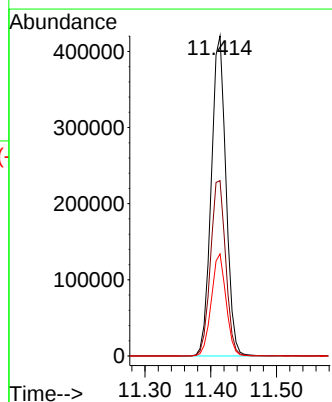
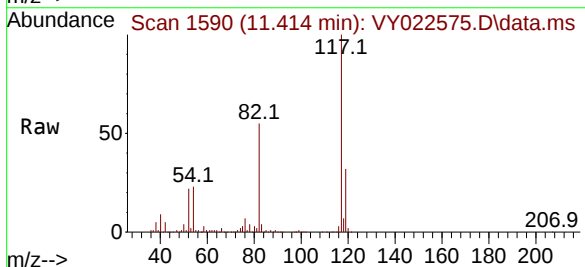
Instrument :
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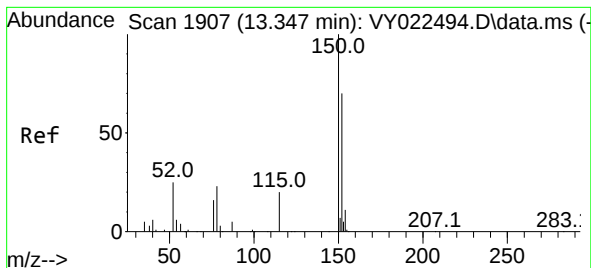
Tgt Ion: 95 Resp: 250257
Ion Ratio Lower Upper
95 100
174 86.0 0.0 170.0
176 82.6 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022575.D
Acq: 05 Jun 2025 15:31

Tgt Ion: 117 Resp: 654628
Ion Ratio Lower Upper
117 100
82 54.8 44.6 66.8
119 31.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY022575.D

Acq: 05 Jun 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-09

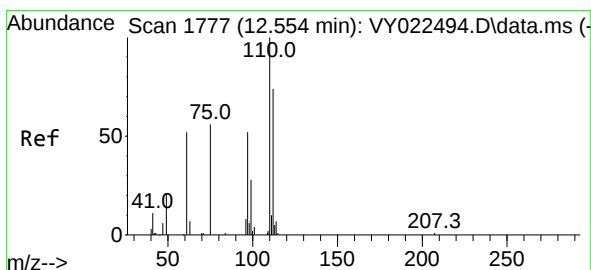
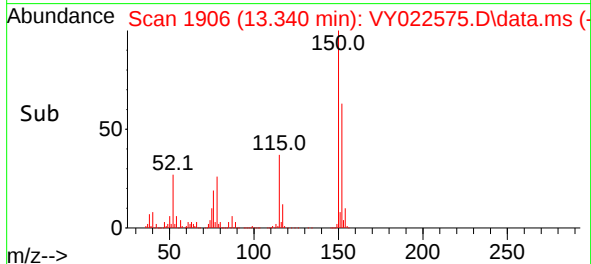
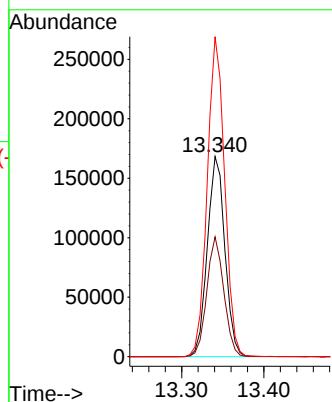
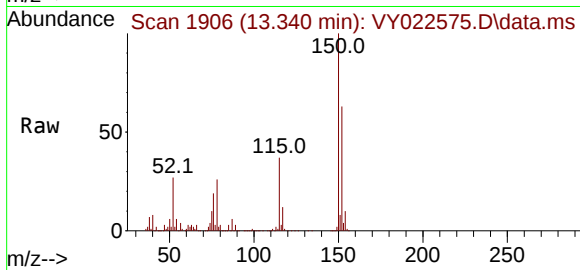
Tgt Ion:152 Resp: 249842

Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

150 158.1 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 51.798 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022575.D

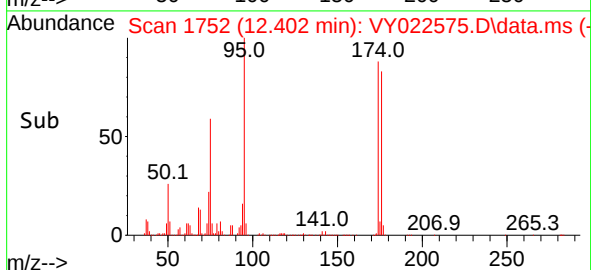
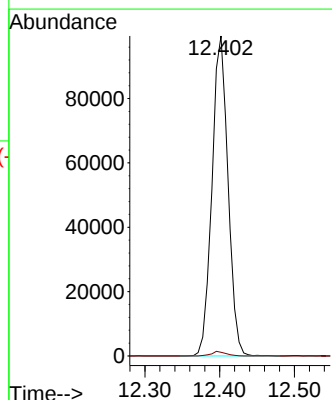
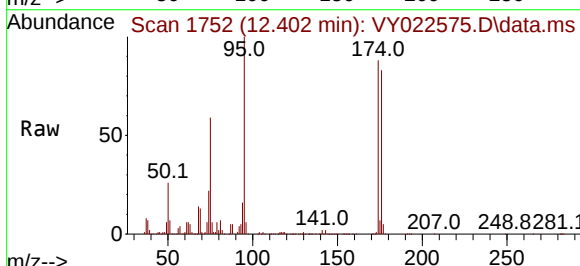
Acq: 05 Jun 2025 15:31

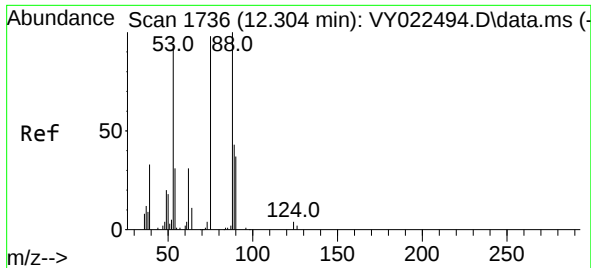
Tgt Ion: 75 Resp: 148053

Ion Ratio Lower Upper

75 100

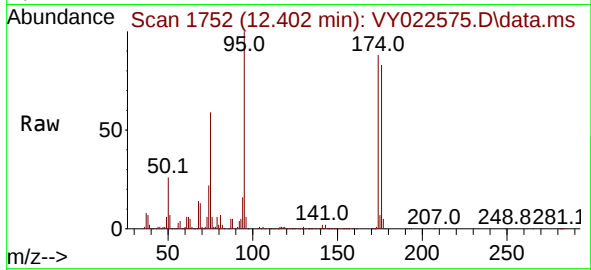
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.089 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022575.D
 Acq: 05 Jun 2025 15:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-09



Tgt Ion: 75 Resp: 148053
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.1 35.7 53.5#

