

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022577.D
 Acq On : 05 Jun 2025 16:19
 Operator : SY/MD
 Sample : Q2207-11
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-02

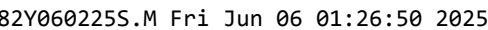
Quant Time: Jun 06 01:26:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	505004	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	940265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	784646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	300101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	302154	53.496	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.000%	
35) Dibromofluoromethane	7.628	113	287515	51.230	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.460%	
50) Toluene-d8	10.103	98	1167445	51.481	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.960%	
62) 4-Bromofluorobenzene	12.402	95	304388	45.050	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.100%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	1413	1.232	ug/l	91
31) Cyclohexane	7.695	56	14038	1.293	ug/l #	34
36) 1,1-Dichloropropene	7.701	75	44437	4.879	ug/l #	51
38) Carbon Tetrachloride	7.701	117	52313	5.598	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	5809	1.328	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	181065	52.738	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	181065	127.360	ug/l #	10

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

Quant Time: Jun 06 01:26:39 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

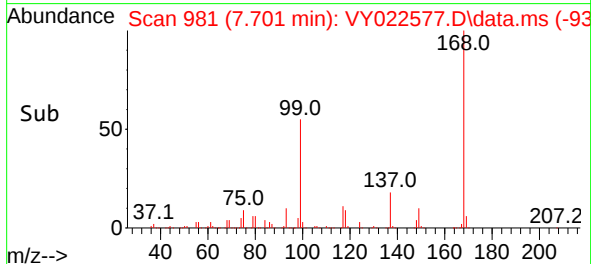
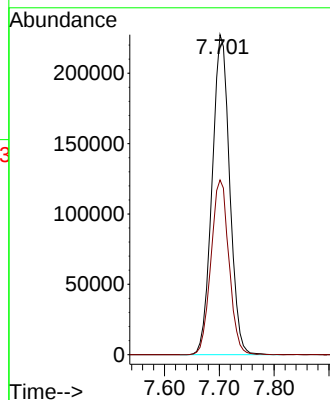
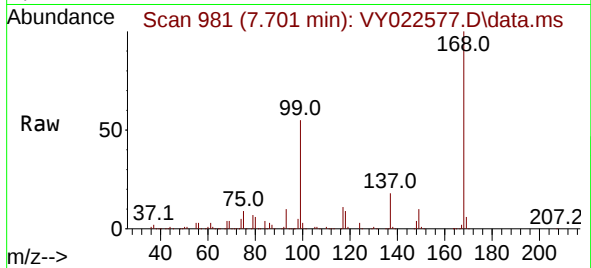




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022577.D
Acq: 05 Jun 2025 16:19

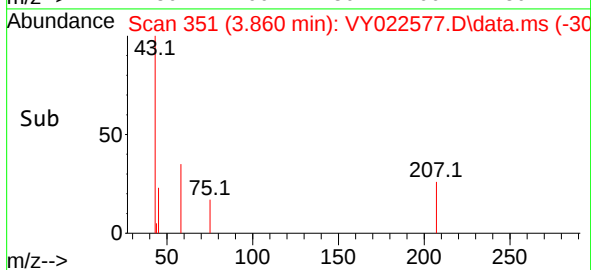
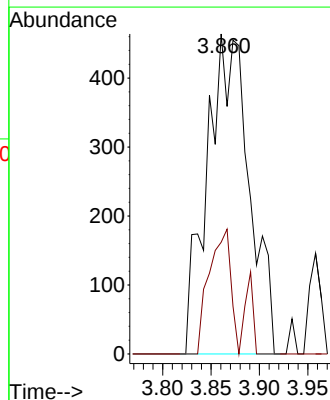
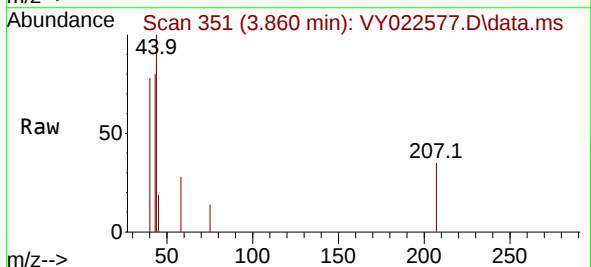
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-02

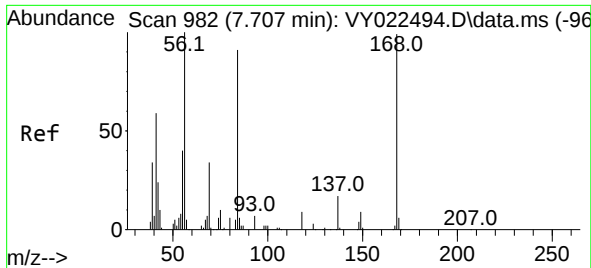
Tgt Ion:168 Resp: 505004
Ion Ratio Lower Upper
168 100
99 54.6 44.3 66.5



#16
Acetone
Concen: 1.232 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022577.D
Acq: 05 Jun 2025 16:19

Tgt Ion: 43 Resp: 1413
Ion Ratio Lower Upper
43 100
58 34.9 24.0 36.0

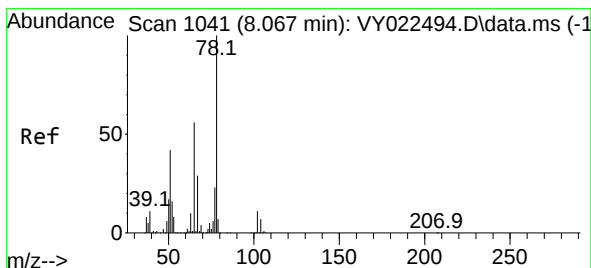
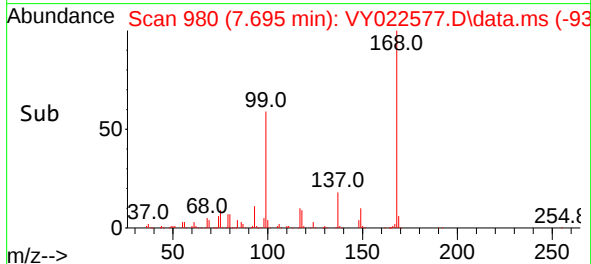
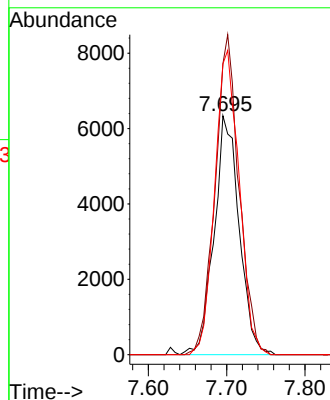
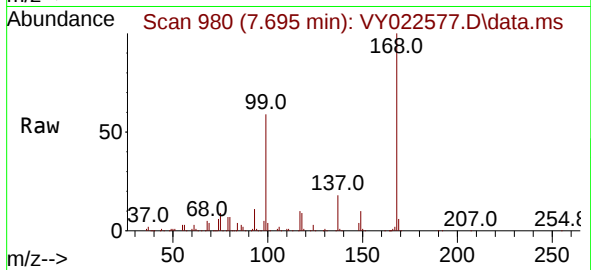




#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022577.D
Acq: 05 Jun 2025 16:19

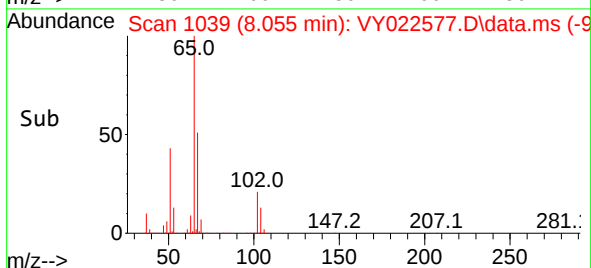
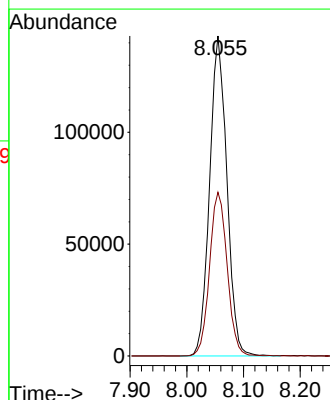
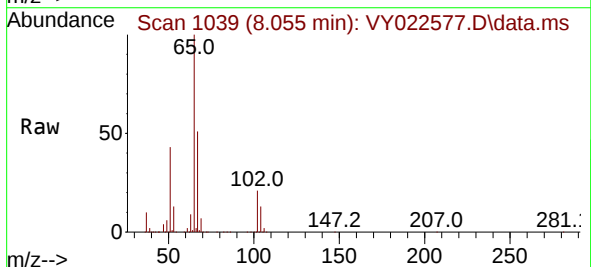
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-02

Tgt Ion: 56 Resp: 14038
Ion Ratio Lower Upper
56 100
69 121.7 27.0 40.6#
84 121.8 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 53.496 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022577.D
Acq: 05 Jun 2025 16:19

Tgt Ion: 65 Resp: 302154
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4

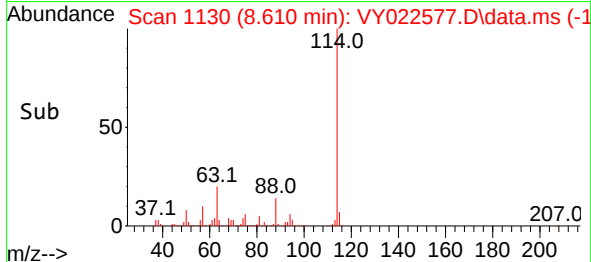
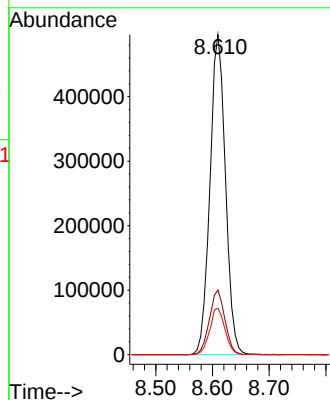
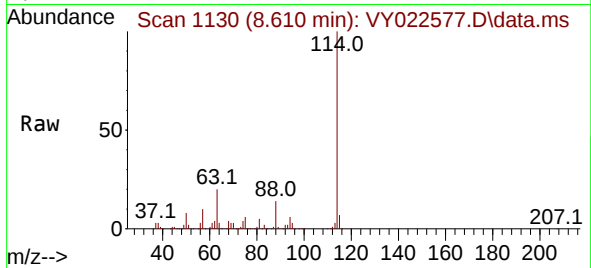




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.610 min Scan# 1131
 Delta R.T. -0.006 min
 Lab File: VY022577.D
 Acq: 05 Jun 2025 16:19

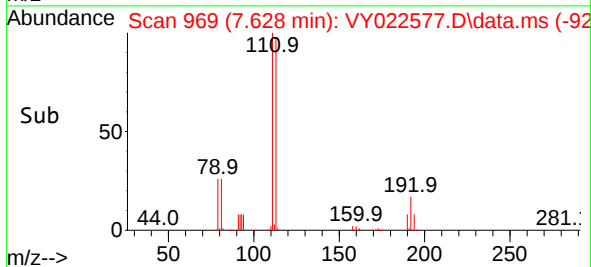
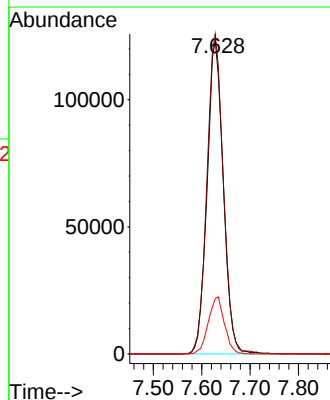
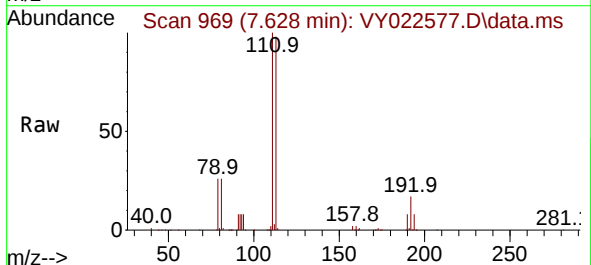
Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-02

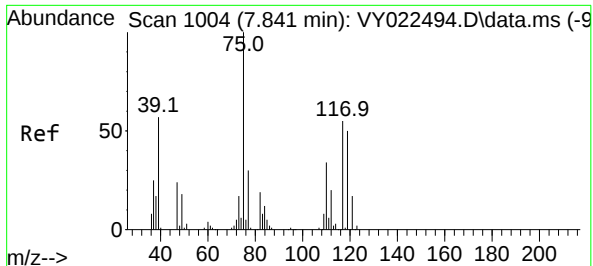
Tgt Ion:114 Resp: 940265
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 14.5 0.0 27.8



#35
 Dibromofluoromethane
 Concen: 51.230 ug/l
 RT: 7.628 min Scan# 969
 Delta R.T. -0.012 min
 Lab File: VY022577.D
 Acq: 05 Jun 2025 16:19

Tgt Ion:113 Resp: 287515
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.1 121.7
 192 18.1 14.2 21.2

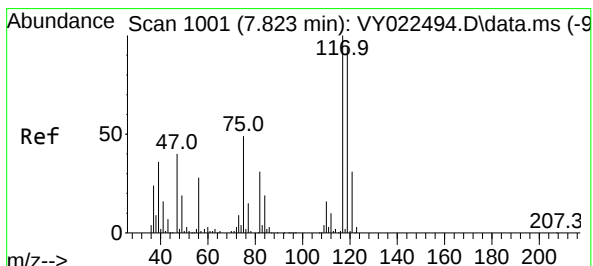
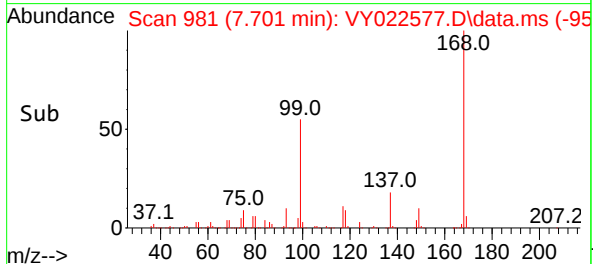
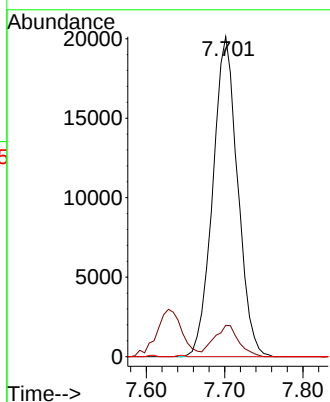
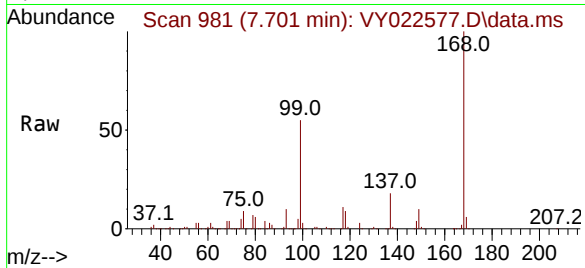




#36
1,1-Dichloropropene
Concen: 4.879 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022577.D
Acq: 05 Jun 2025 16:19

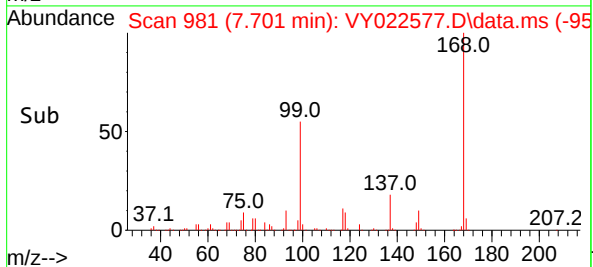
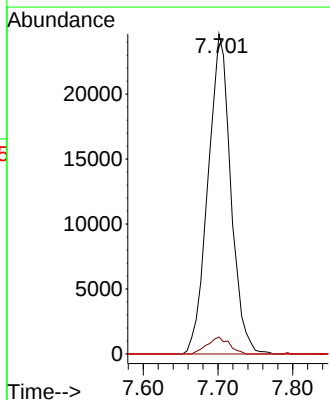
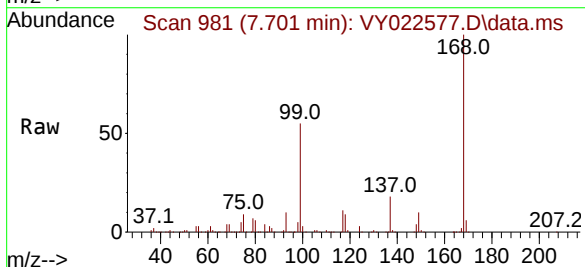
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-02

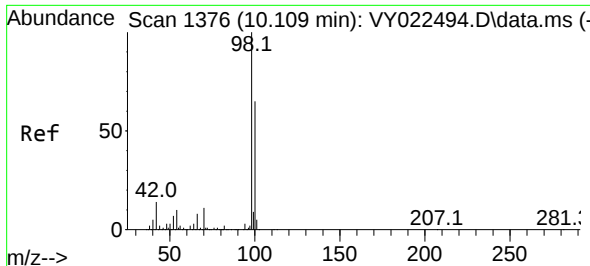
Tgt Ion: 75 Resp: 44437
Ion Ratio Lower Upper
75 100
110 9.6 16.9 50.7#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.598 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY022577.D
Acq: 05 Jun 2025 16:19

Tgt Ion: 117 Resp: 52313
Ion Ratio Lower Upper
117 100
119 5.3 75.0 112.6#
121 0.0 25.0 37.4#

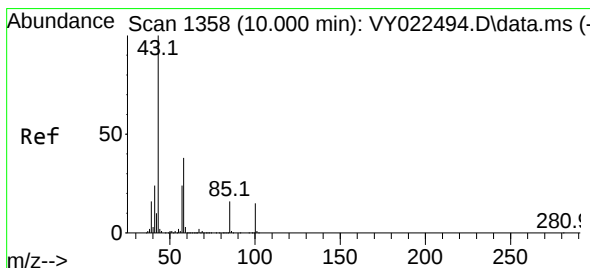
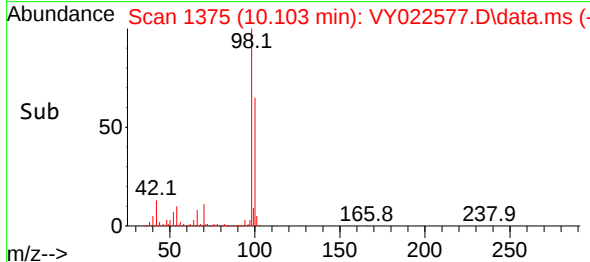
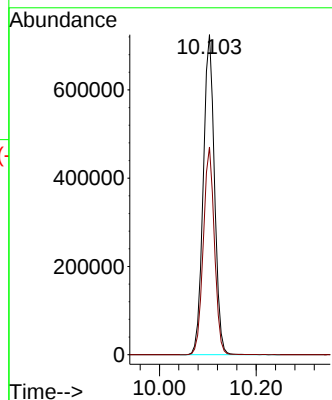
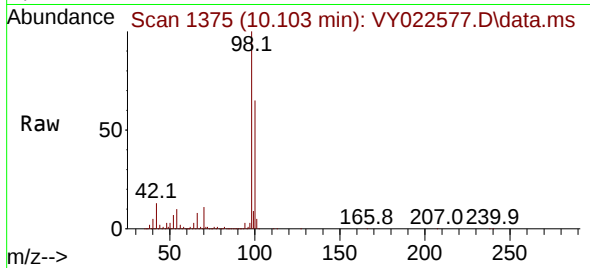




#50
Toluene-d8
Concen: 51.481 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022577.D
Acq: 05 Jun 2025 16:19

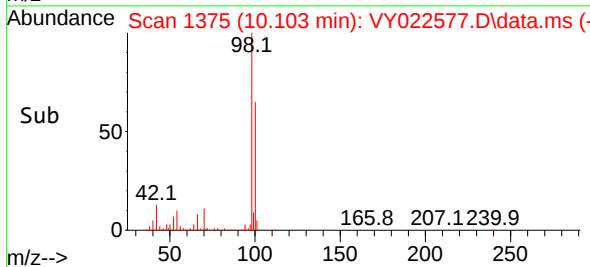
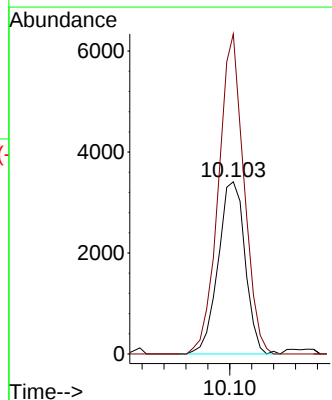
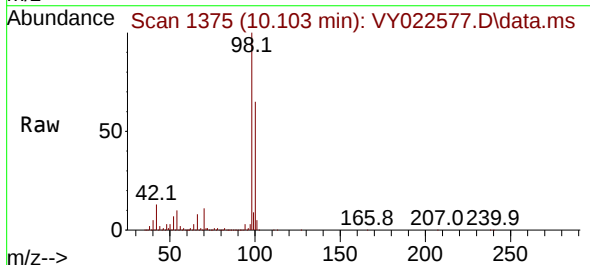
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-02

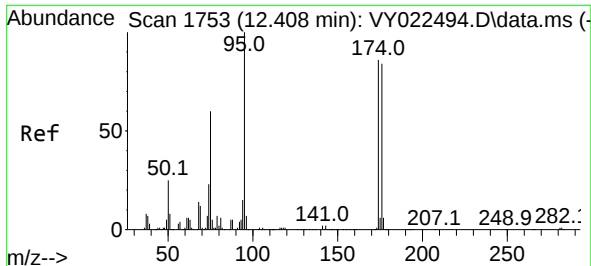
Tgt Ion: 98 Resp: 1167445
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.328 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022577.D
Acq: 05 Jun 2025 16:19

Tgt Ion: 43 Resp: 5809
Ion Ratio Lower Upper
43 100
58 176.0 30.4 45.6#

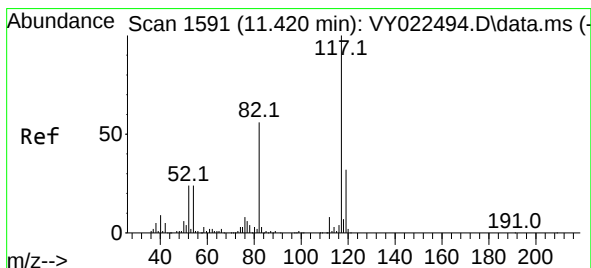
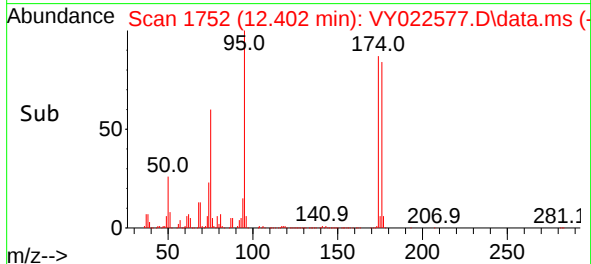
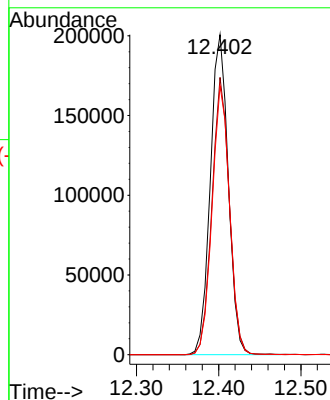
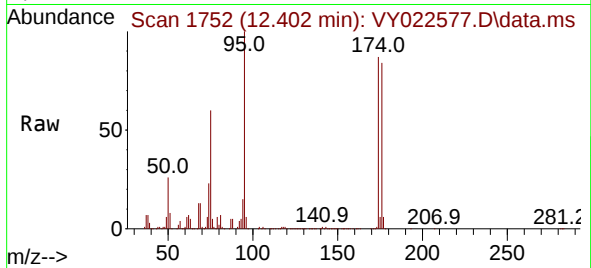




#62
4-Bromofluorobenzene
Concen: 45.050 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022577.D
Acq: 05 Jun 2025 16:19

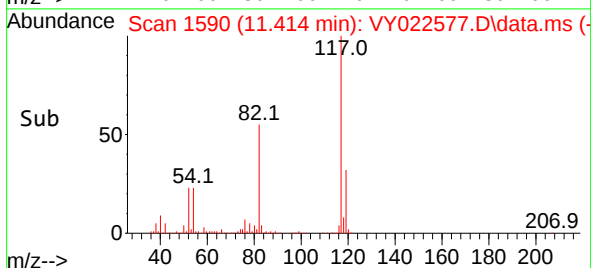
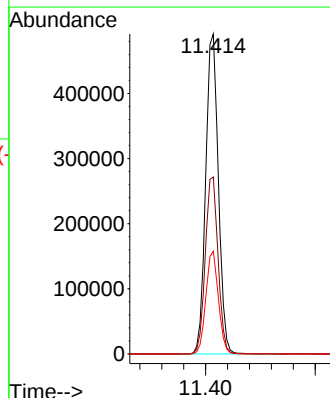
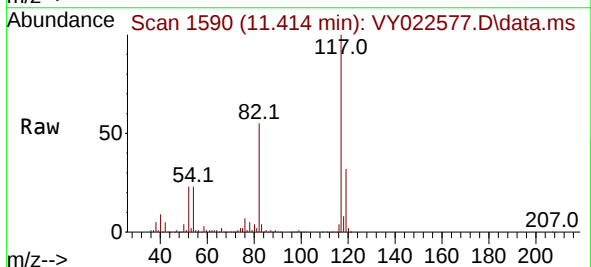
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-02

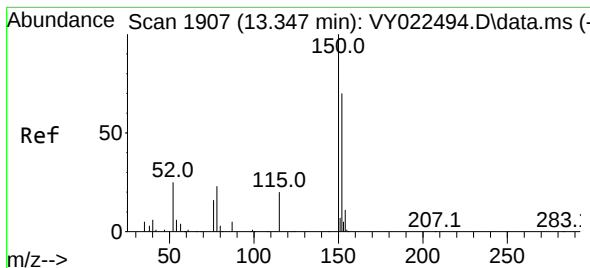
Tgt Ion: 95 Resp: 304388
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.0
176 82.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022577.D
Acq: 05 Jun 2025 16:19

Tgt Ion: 117 Resp: 784646
Ion Ratio Lower Upper
117 100
82 55.3 44.6 66.8
119 32.1 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: VY022577.D

Acq: 05 Jun 2025 16:19

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-02

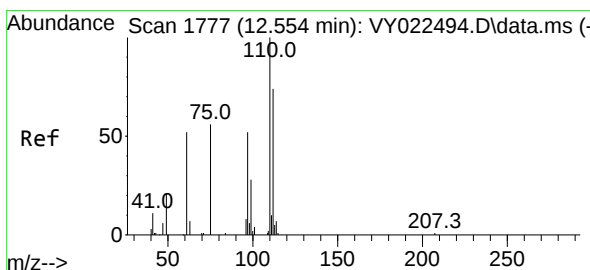
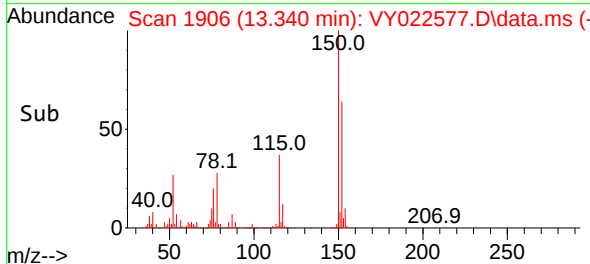
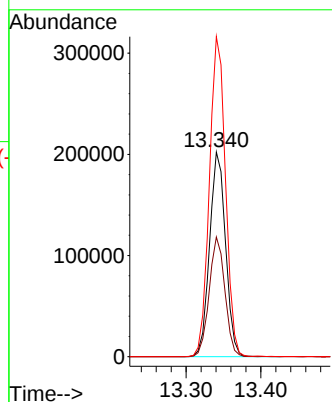
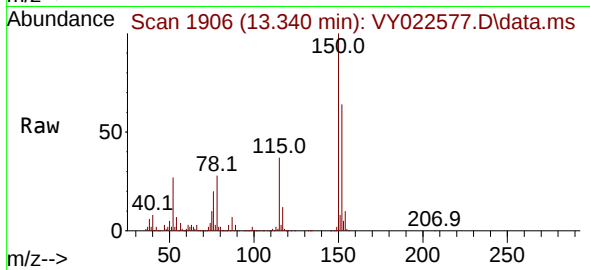
Tgt Ion:152 Resp: 300101

Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.7

150 157.7 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 52.738 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022577.D

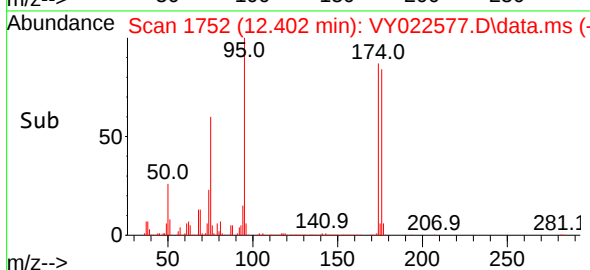
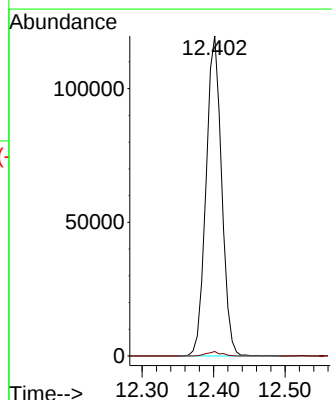
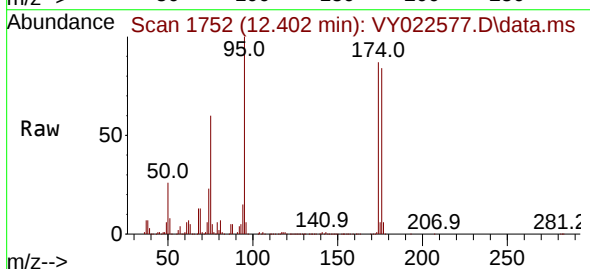
Acq: 05 Jun 2025 16:19

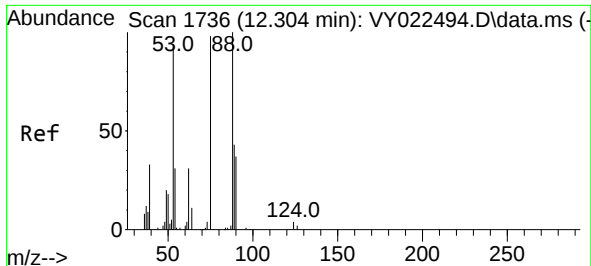
Tgt Ion: 75 Resp: 181065

Ion Ratio Lower Upper

75 100

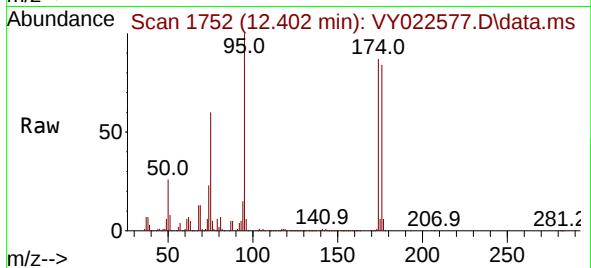
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.360 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022577.D
 Acq: 05 Jun 2025 16:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-02



Tgt Ion: 75 Resp: 181065
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 35.7 53.5#

