

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022595.D
 Acq On : 06 Jun 2025 13:14
 Operator : SY/MD
 Sample : Q2208-11
 Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-07

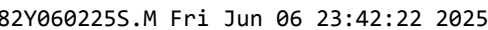
Quant Time: Jun 06 23:42:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	304599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	568658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	464084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	175922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	169628	49.791	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.580%
35) Dibromofluoromethane	7.628	113	172370	50.784	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.560%
50) Toluene-d8	10.103	98	688082	50.171	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.340%
62) 4-Bromofluorobenzene	12.401	95	174566	42.720	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.440%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.701	56	8753	1.337	ug/l #	35
36) 1,1-Dichloropropene	7.701	75	27400	4.974	ug/l #	51
38) Carbon Tetrachloride	7.707	117	30872	5.463	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	3872	1.464	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	102417	50.888	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	102417	122.890	ug/l #	10

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

Quant Time: Jun 06 23:42:10 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

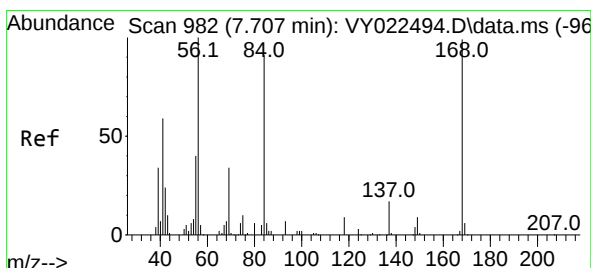
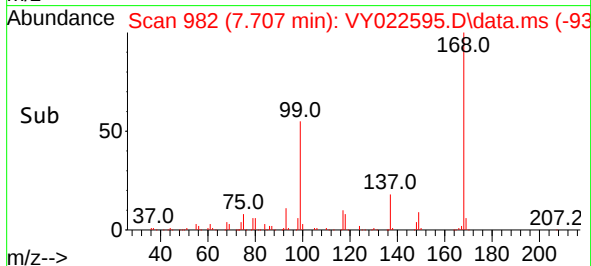
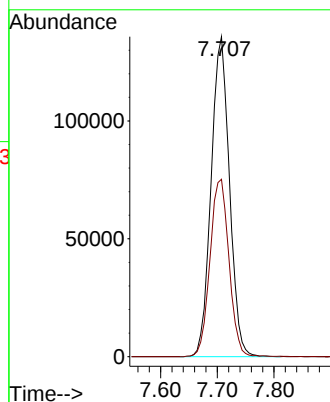
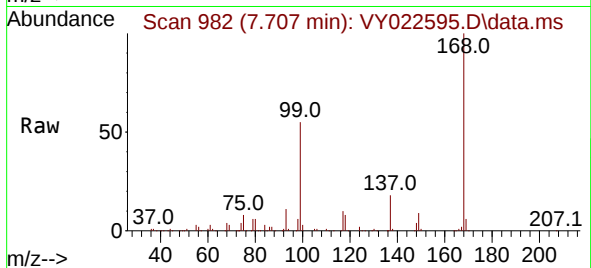




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

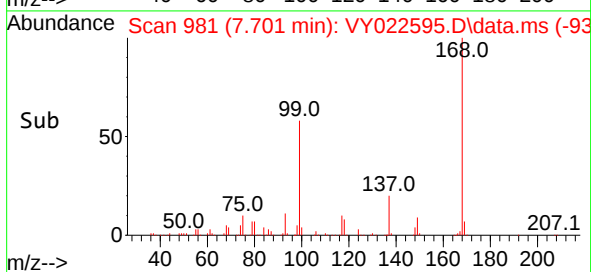
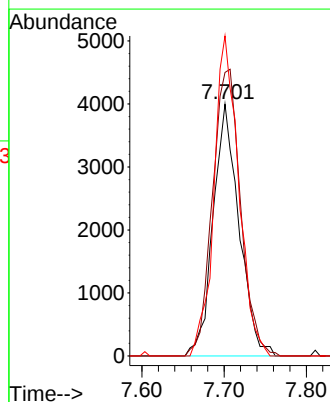
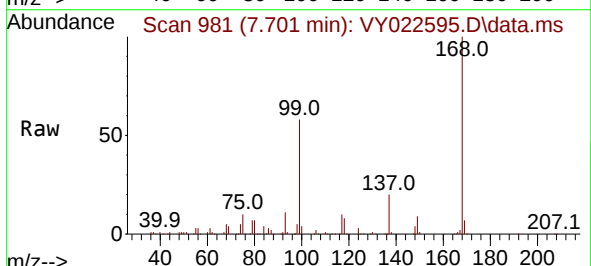
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-07

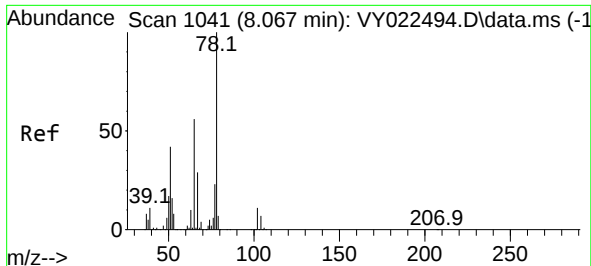
Tgt Ion:168 Resp: 304599
Ion Ratio Lower Upper
168 100
99 55.4 44.3 66.5



#31
Cyclohexane
Concen: 1.337 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 56 Resp: 8753
Ion Ratio Lower Upper
56 100
69 112.6 27.0 40.6#
84 127.1 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 49.791 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022595.D

Acq: 06 Jun 2025 13:14

Instrument :

MSVOA_Y

ClientSampleId :

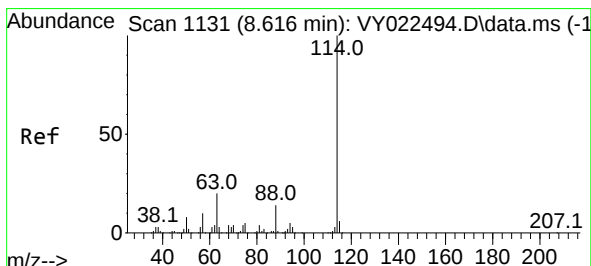
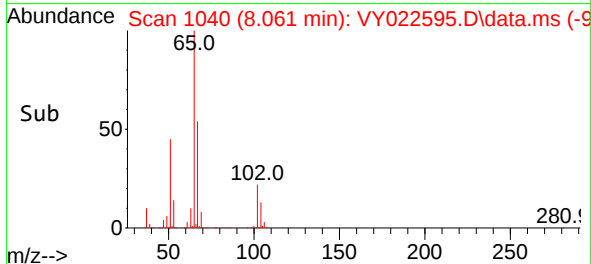
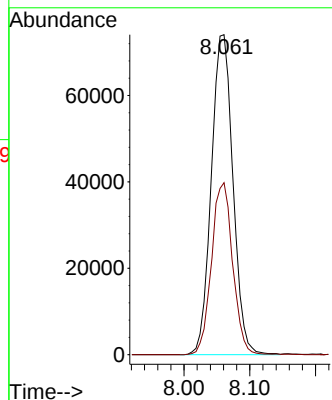
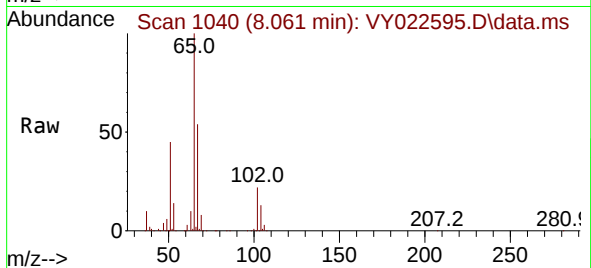
BU-703-VOC-07

Tgt Ion: 65 Resp: 169628

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022595.D

Acq: 06 Jun 2025 13:14

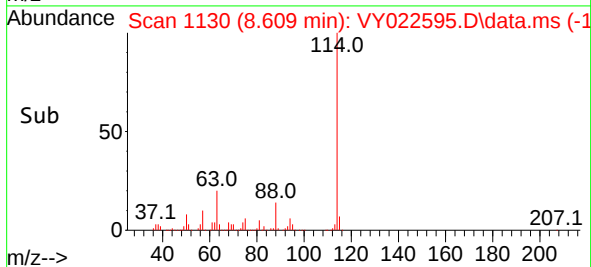
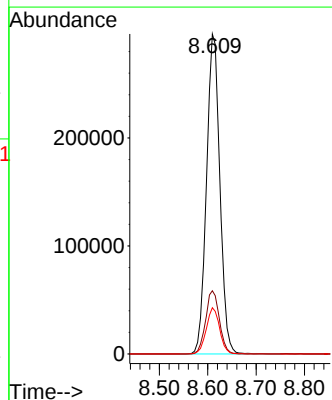
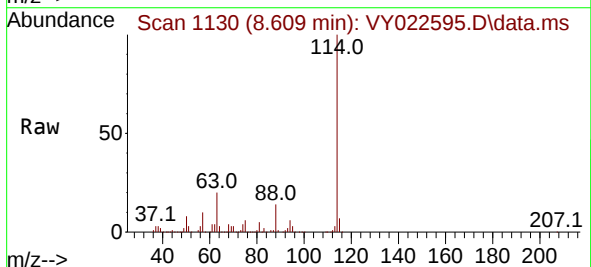
Tgt Ion: 114 Resp: 568658

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 14.4 0.0 27.8

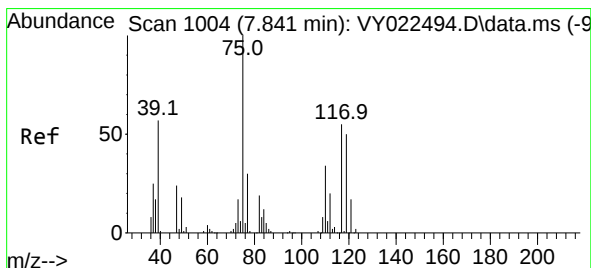
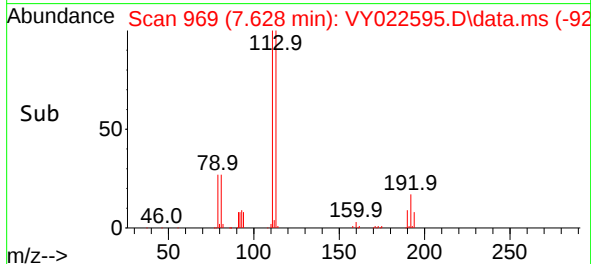
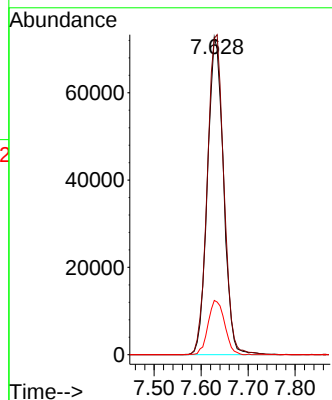
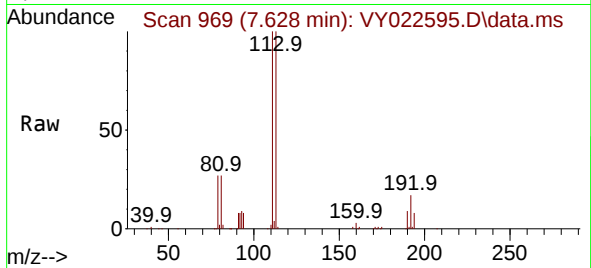




#35
Dibromofluoromethane
Concen: 50.784 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

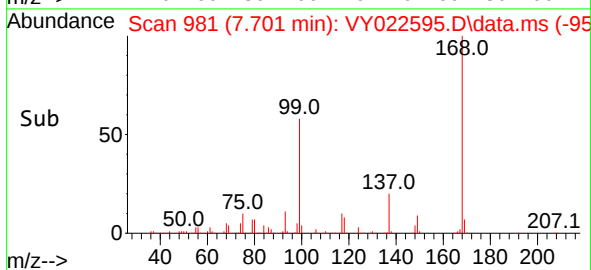
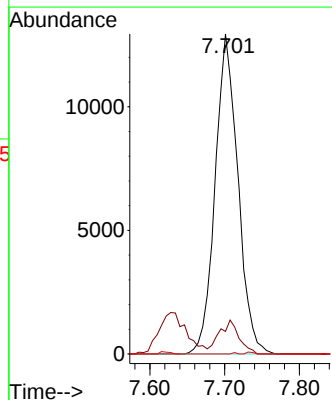
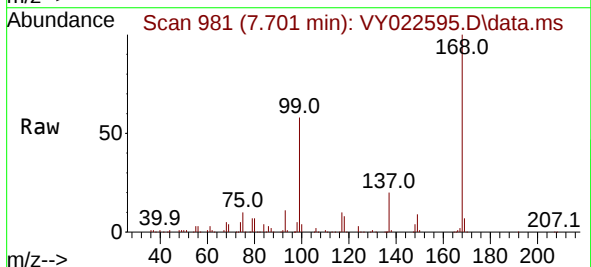
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-07

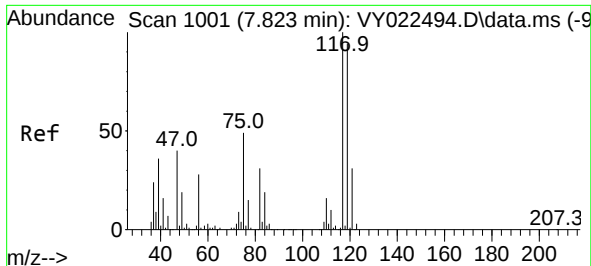
Tgt Ion:113 Resp: 172370
Ion Ratio Lower Upper
113 100
111 103.8 81.1 121.7
192 17.6 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.974 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 75 Resp: 27400
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.7#
77 0.1 24.8 37.2#

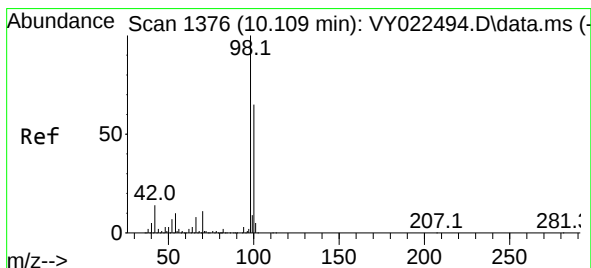
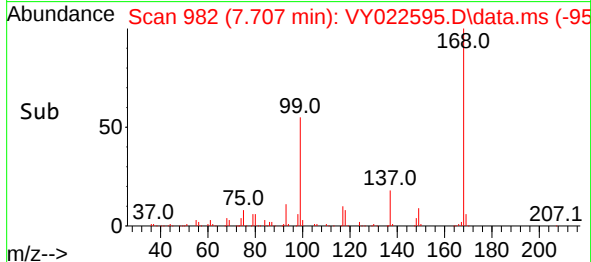
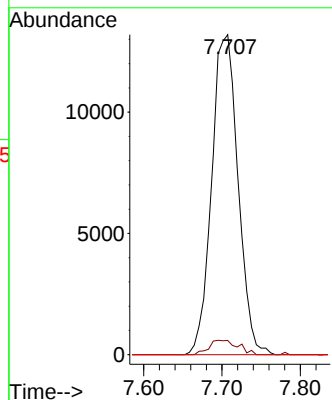
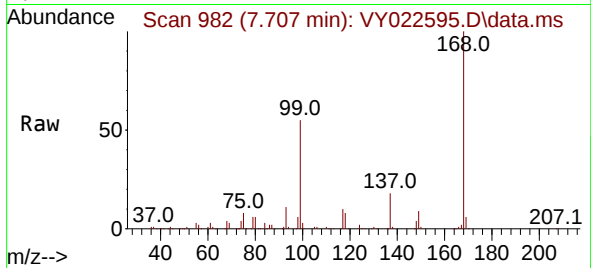




#38
Carbon Tetrachloride
Concen: 5.463 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

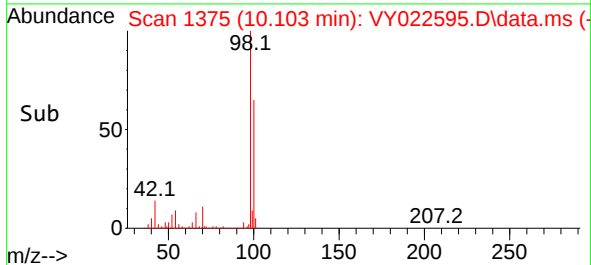
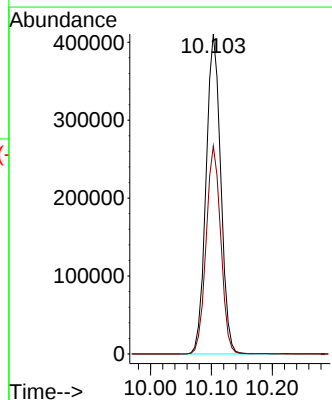
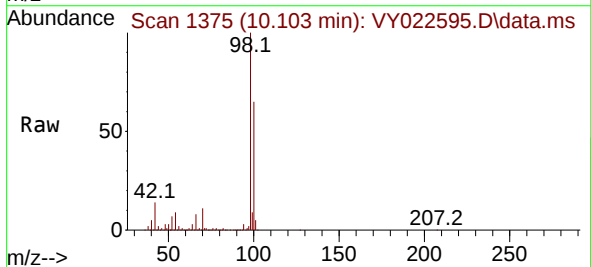
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-07

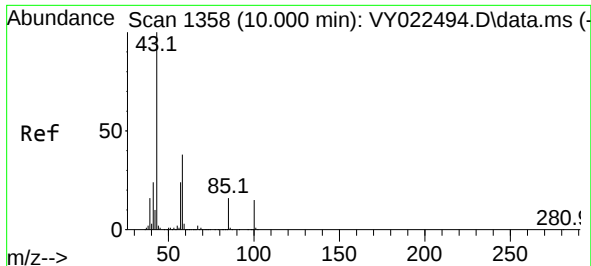
Tgt Ion:117 Resp: 30872
Ion Ratio Lower Upper
117 100
119 4.4 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.171 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 98 Resp: 688082
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0

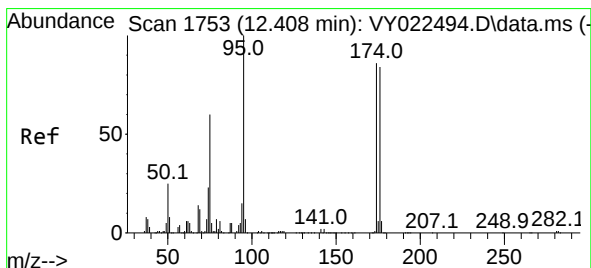
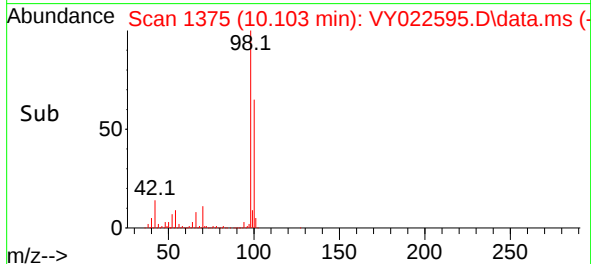
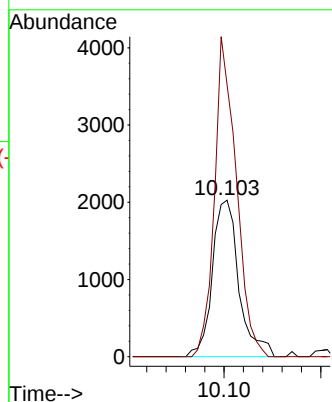
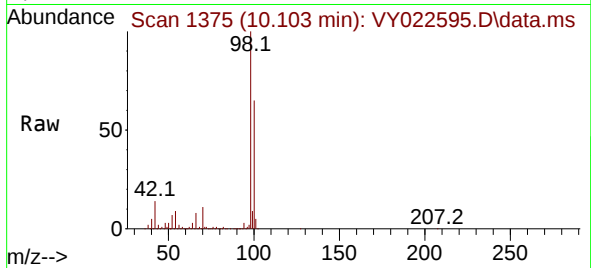




#51
4-Methyl-2-Pentanone
Concen: 1.464 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

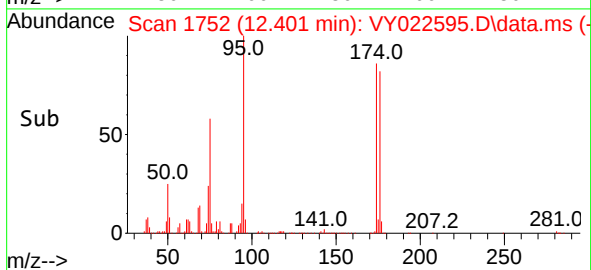
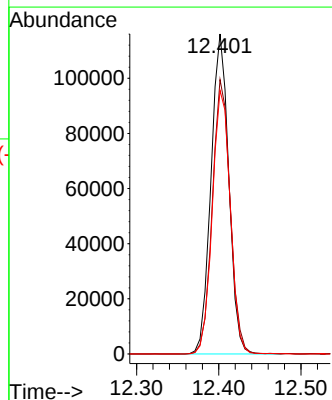
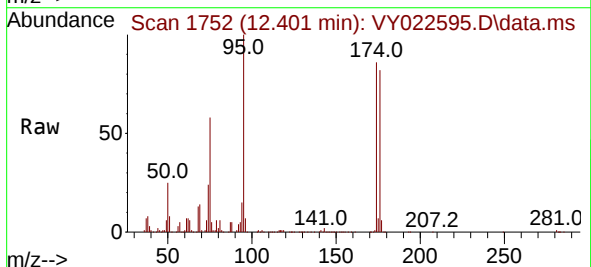
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-07

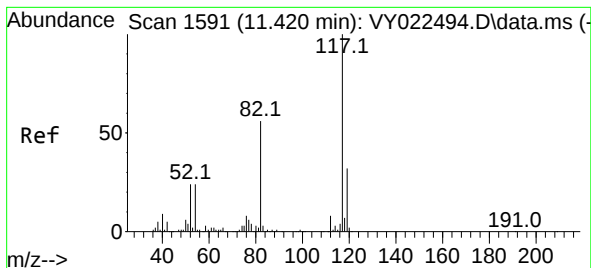
Tgt Ion: 43 Resp: 3872
Ion Ratio Lower Upper
43 100
58 167.2 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 42.720 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 95 Resp: 174566
Ion Ratio Lower Upper
95 100
174 85.8 0.0 170.0
176 83.3 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022595.D

Acq: 06 Jun 2025 13:14

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-07

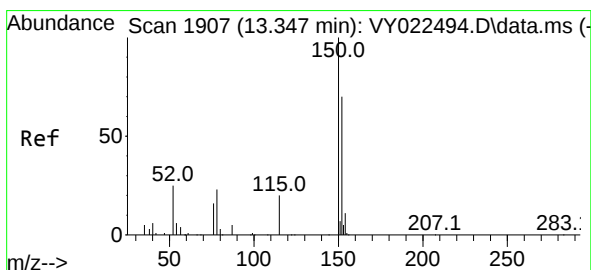
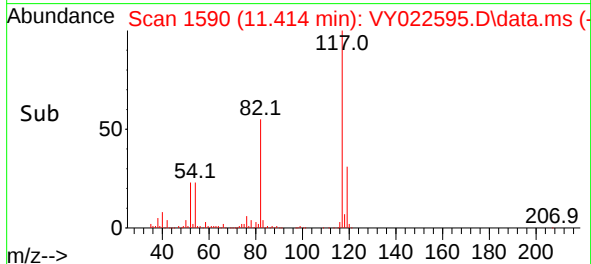
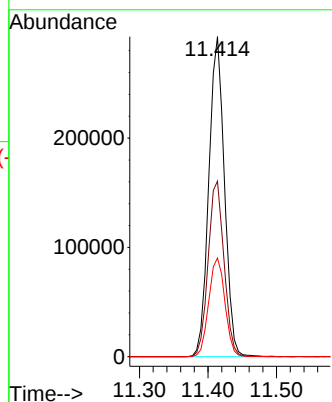
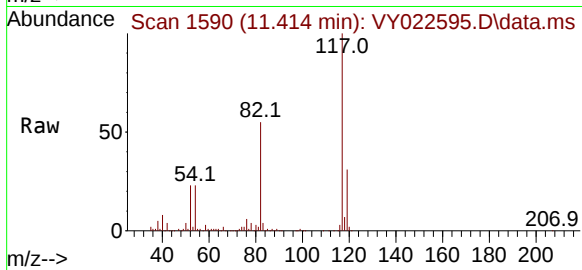
Tgt Ion:117 Resp: 464084

Ion Ratio Lower Upper

117 100

82 54.9 44.6 66.8

119 30.9 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: VY022595.D

Acq: 06 Jun 2025 13:14

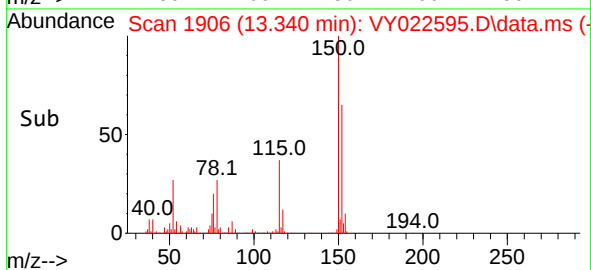
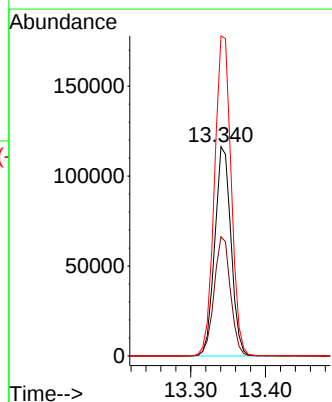
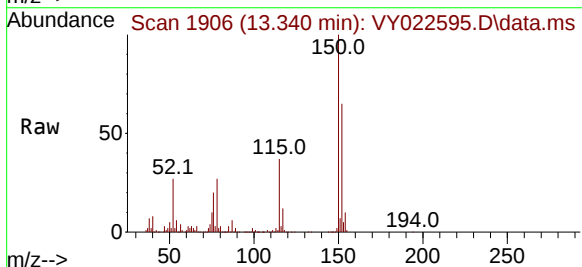
Tgt Ion:152 Resp: 175922

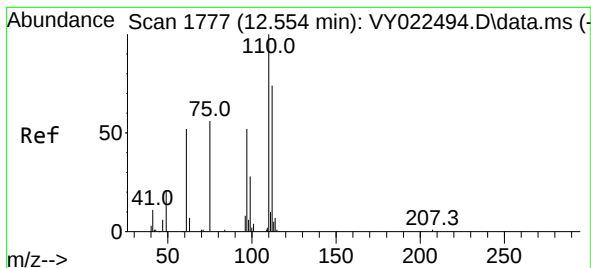
Ion Ratio Lower Upper

152 100

115 57.6 28.9 86.7

150 157.2 0.0 349.6

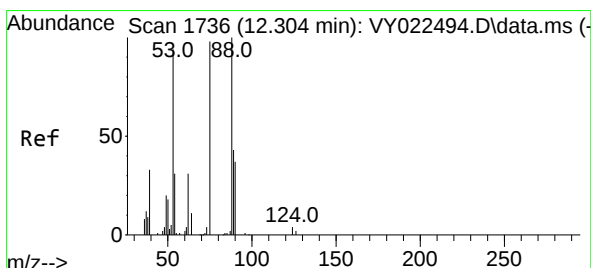
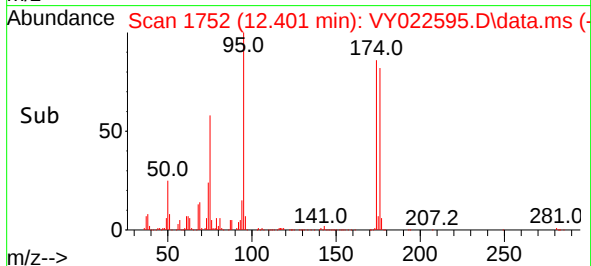
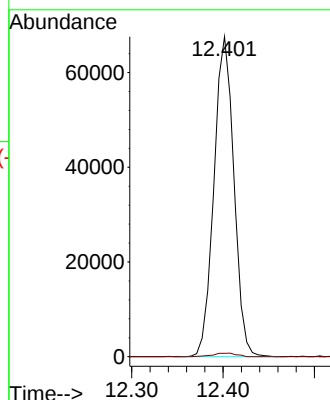
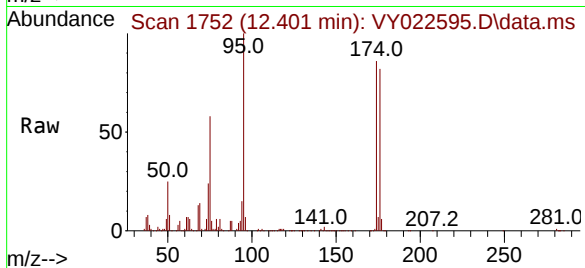




#76
1,2,3-Trichloropropane
Concen: 50.888 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-07

Tgt Ion: 75 Resp: 102417
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.890 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 75 Resp: 102417
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

