

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022312.D
 Acq On : 19 May 2025 12:38
 Operator : SY/MD
 Sample : Q2048-11
 Misc : 5.27g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L2-WC-3-VOC

Quant Time: May 20 01:12:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

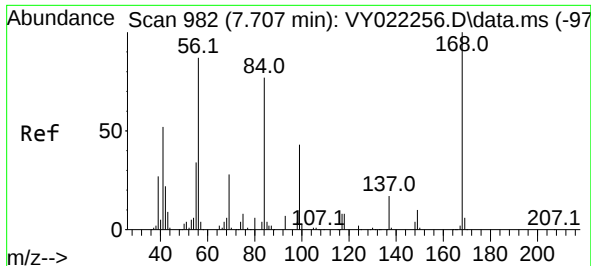
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	275518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	493642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	394266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	142783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141956	47.143	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.280%
35) Dibromofluoromethane	7.634	113	147002	49.893	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.780%
50) Toluene-d8	10.103	98	592245	49.080	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.160%
62) 4-Bromofluorobenzene	12.402	95	152812	39.953	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.900%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.701	56	7443	1.222	ug/l #	41
36) 1,1-Dichloropropene	7.701	75	24026	4.951	ug/l #	51
38) Carbon Tetrachloride	7.707	117	27827	5.539	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	87777	60.681	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	87777	122.924	ug/l #	12

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

Quant Time: May 20 01:12:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

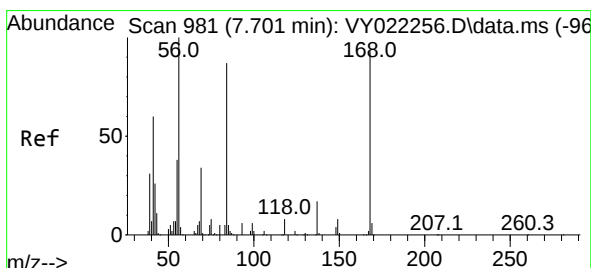
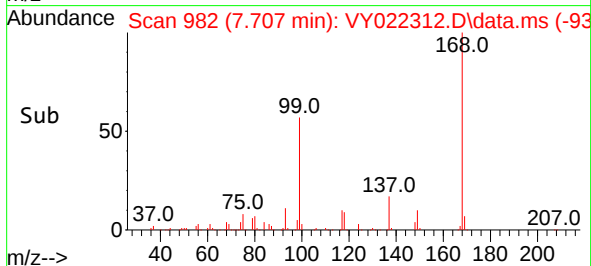
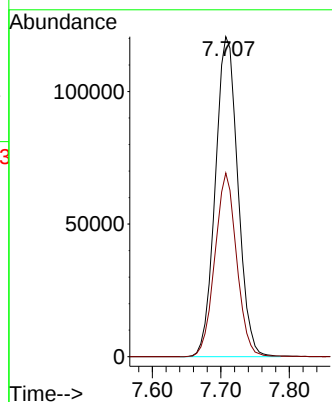
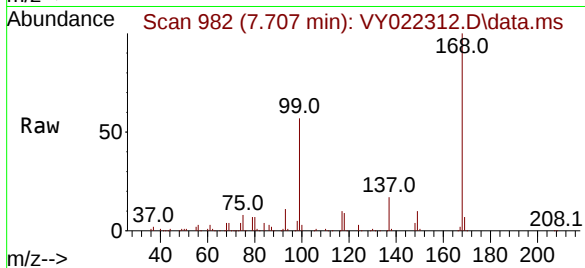




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022312.D
Acq: 19 May 2025 12:38

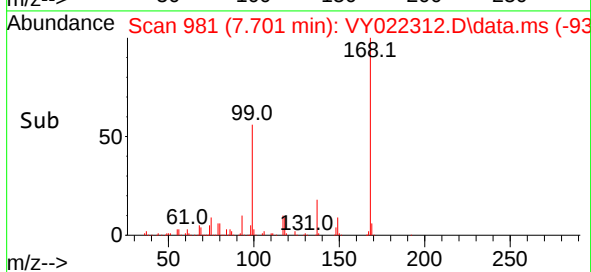
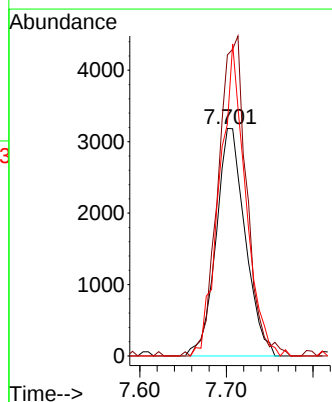
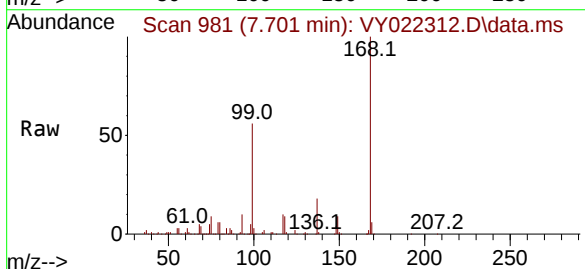
Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-3-VOC

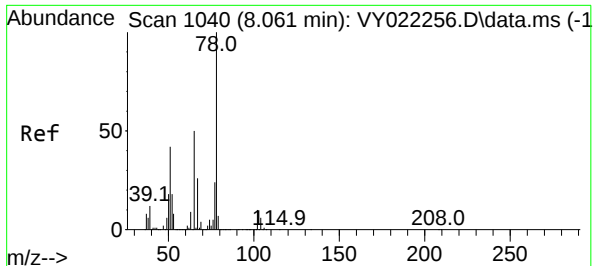
Tgt Ion:168 Resp: 275518
Ion Ratio Lower Upper
168 100
99 57.4 44.2 66.4



#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022312.D
Acq: 19 May 2025 12:38

Tgt Ion: 56 Resp: 7443
Ion Ratio Lower Upper
56 100
69 132.3 27.4 41.2#
84 101.9 70.0 105.0





#33

1,2-Dichloroethane-d4

Concen: 47.143 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022312.D

Acq: 19 May 2025 12:38

Instrument :

MSVOA_Y

ClientSampleId :

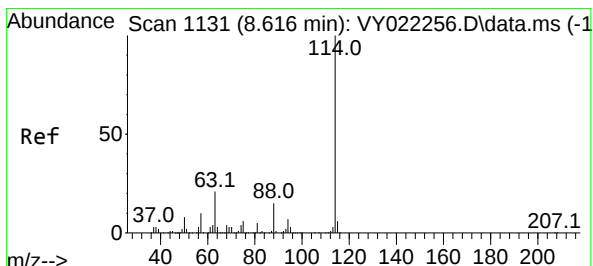
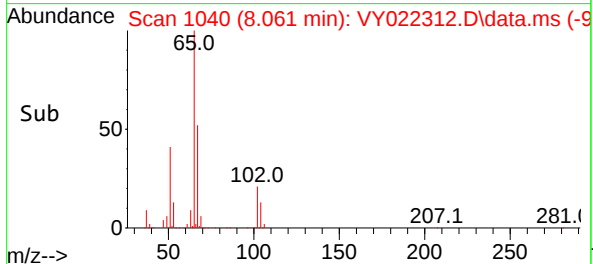
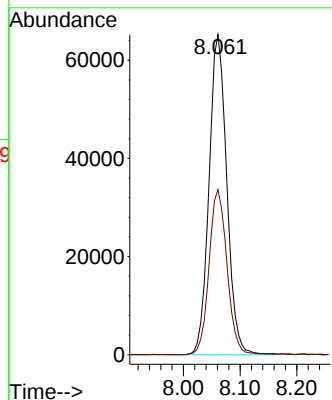
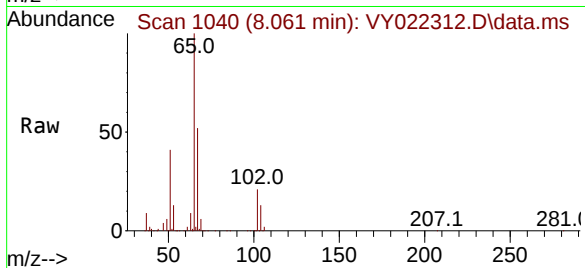
L2-WC-3-VOC

Tgt Ion: 65 Resp: 141956

Ion Ratio Lower Upper

65 100

67 52.2 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: VY022312.D

Acq: 19 May 2025 12:38

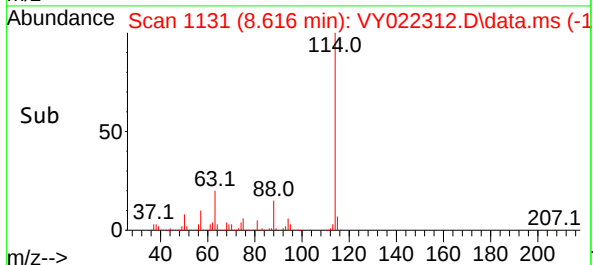
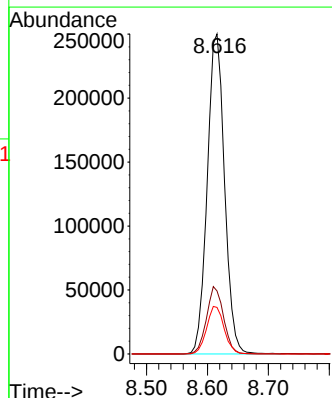
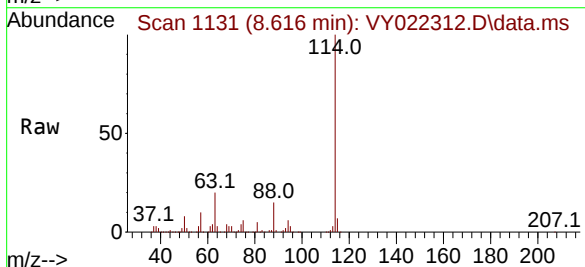
Tgt Ion: 114 Resp: 493642

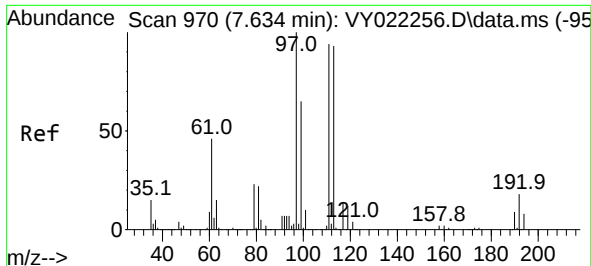
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.0

88 14.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 49.893 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022312.D

Acq: 19 May 2025 12:38

Instrument :

MSVOA_Y

ClientSampleId :

L2-WC-3-VOC

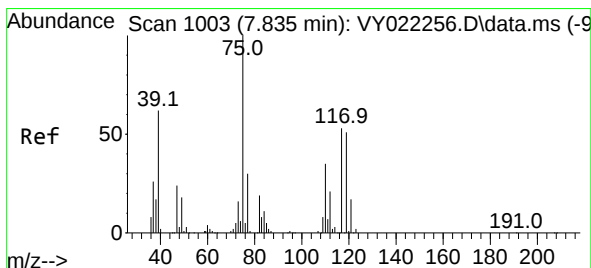
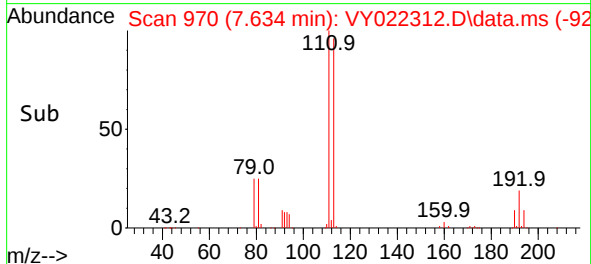
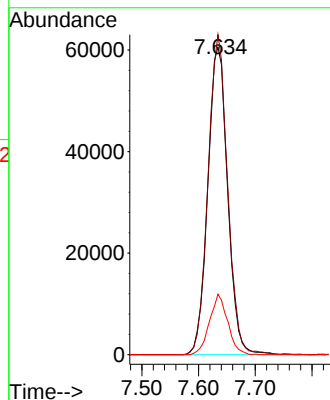
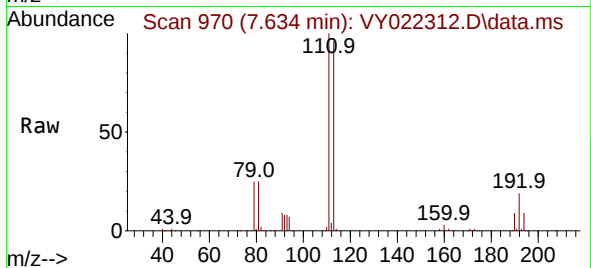
Tgt Ion:113 Resp: 147002

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 18.0 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.951 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY022312.D

Acq: 19 May 2025 12:38

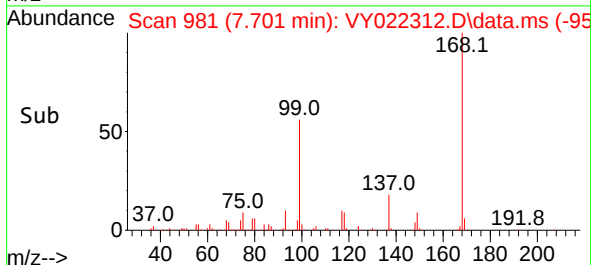
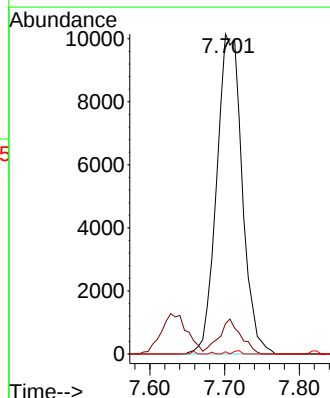
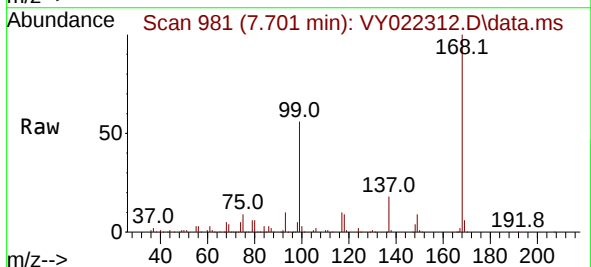
Tgt Ion: 75 Resp: 24026

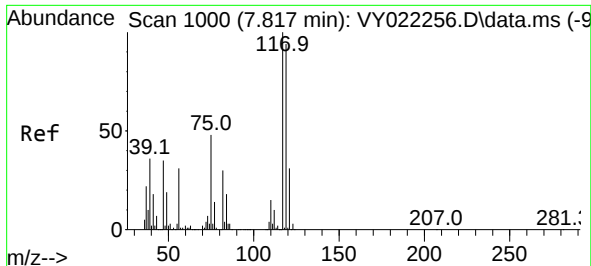
Ion Ratio Lower Upper

75 100

110 9.4 16.6 49.8#

77 0.4 24.6 37.0#

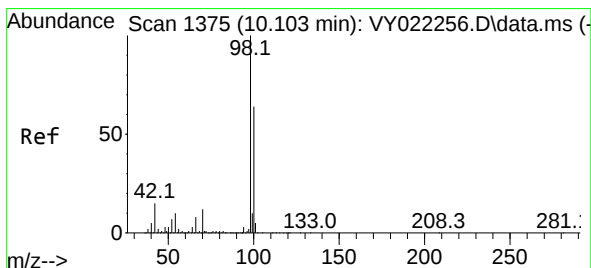
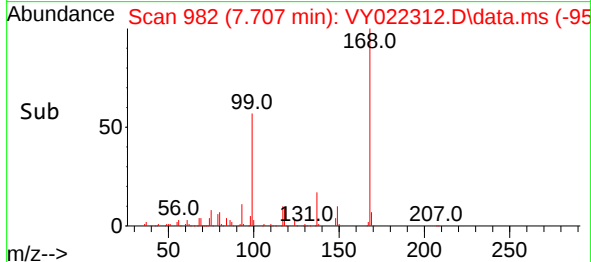
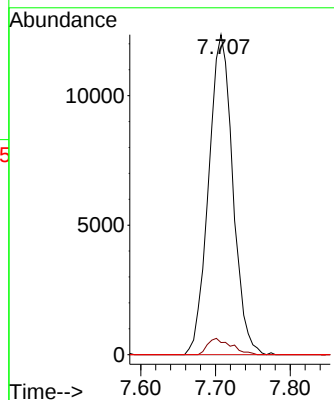
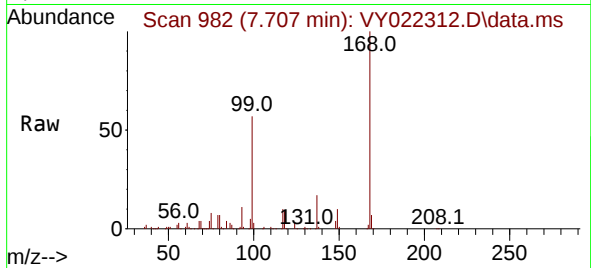




#38
Carbon Tetrachloride
Concen: 5.539 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022312.D
Acq: 19 May 2025 12:38

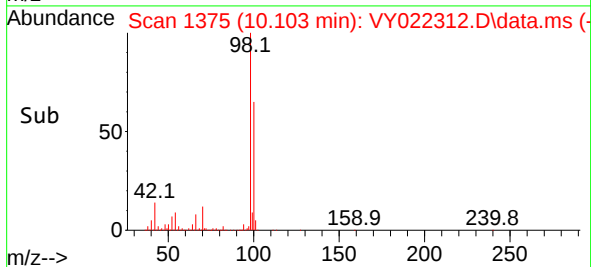
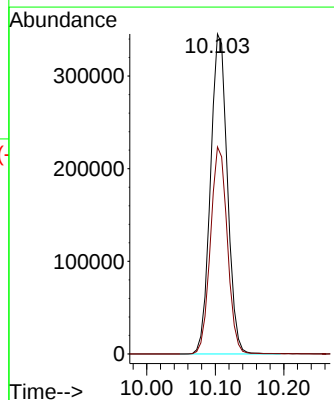
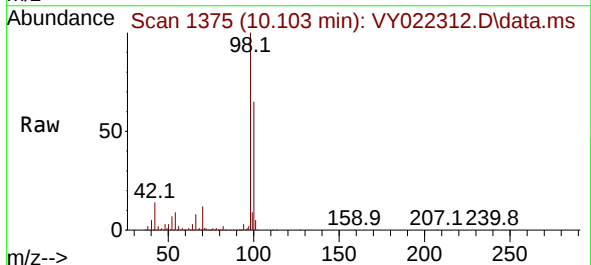
Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-3-VOC

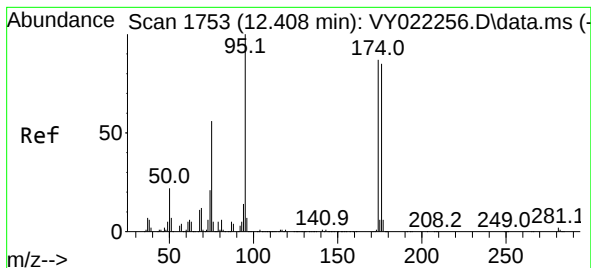
Tgt Ion:117 Resp: 27827
Ion Ratio Lower Upper
117 100
119 3.8 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.080 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022312.D
Acq: 19 May 2025 12:38

Tgt Ion: 98 Resp: 592245
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8

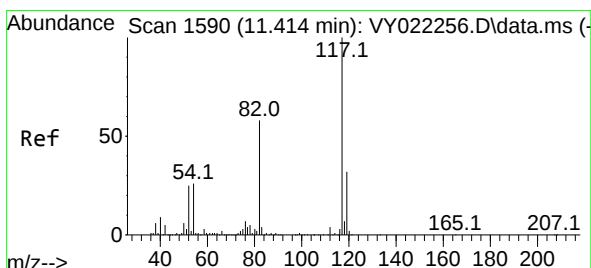
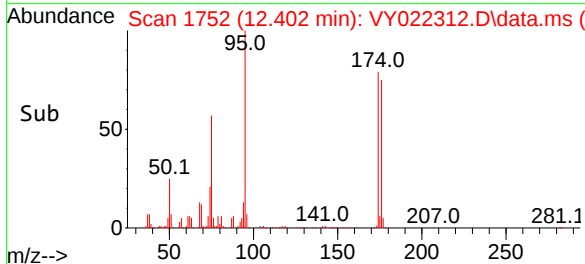
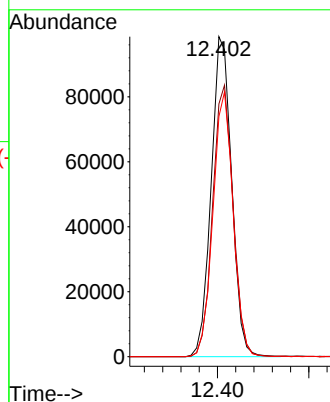
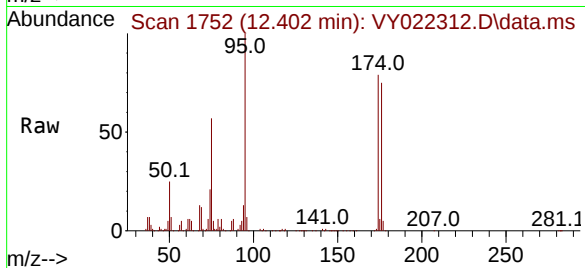




#62
4-Bromofluorobenzene
Concen: 39.953 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022312.D
Acq: 19 May 2025 12:38

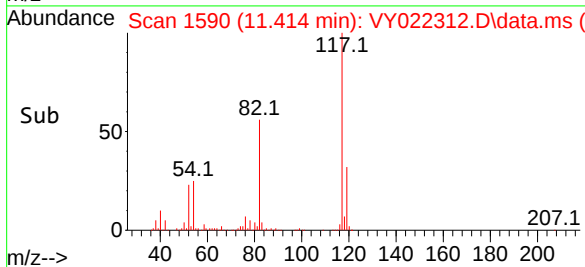
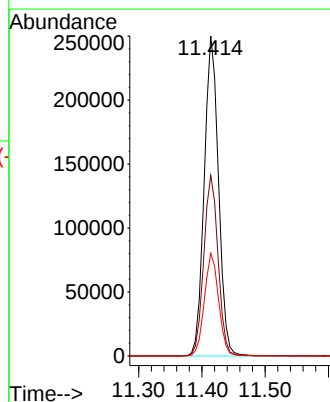
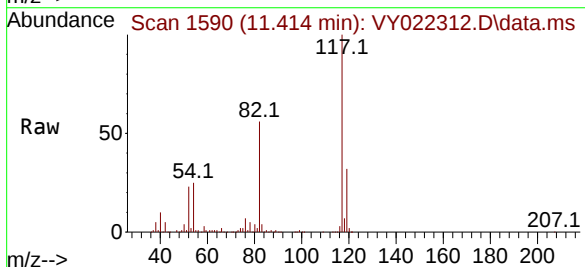
Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-3-VOC

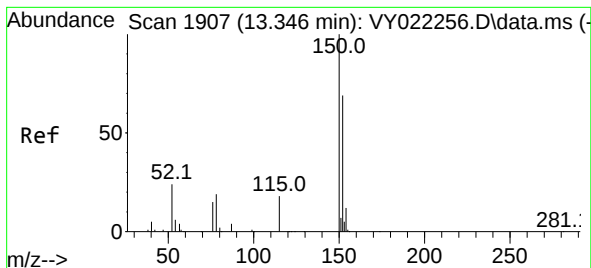
Tgt Ion: 95 Resp: 152812
Ion Ratio Lower Upper
95 100
174 84.9 0.0 166.8
176 81.8 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022312.D
Acq: 19 May 2025 12:38

Tgt Ion: 117 Resp: 394266
Ion Ratio Lower Upper
117 100
82 56.4 46.6 70.0
119 32.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022312.D

Acq: 19 May 2025 12:38

Instrument :

MSVOA_Y

ClientSampleId :

L2-WC-3-VOC

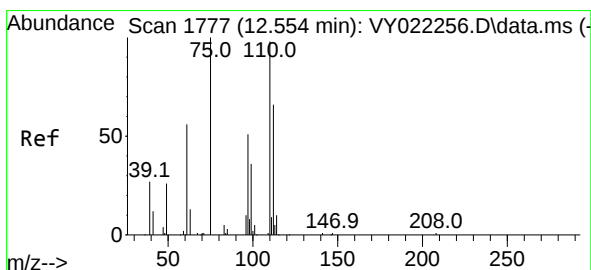
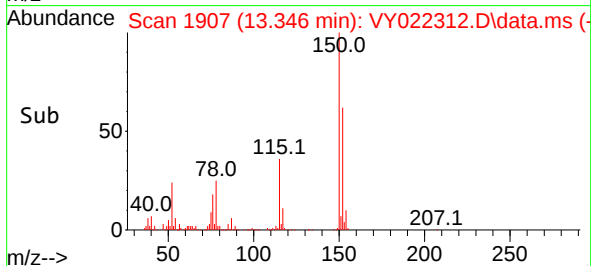
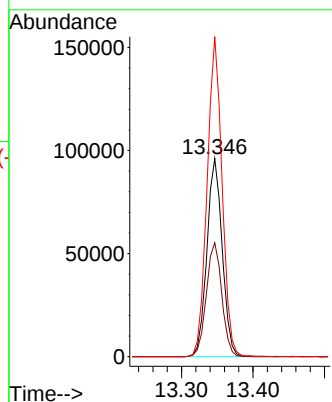
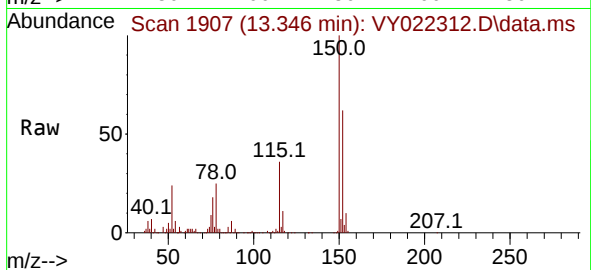
Tgt Ion:152 Resp: 142783

Ion Ratio Lower Upper

152 100

115 58.1 29.4 88.2

150 157.8 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 60.681 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022312.D

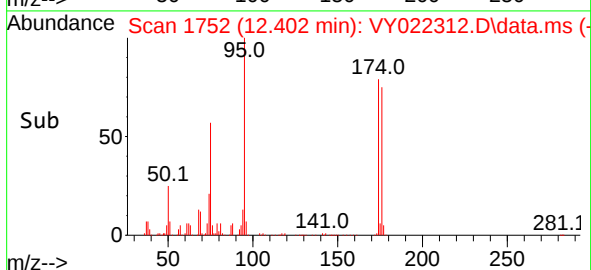
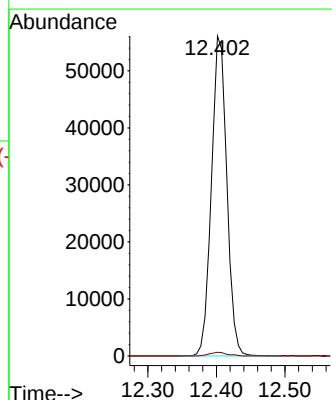
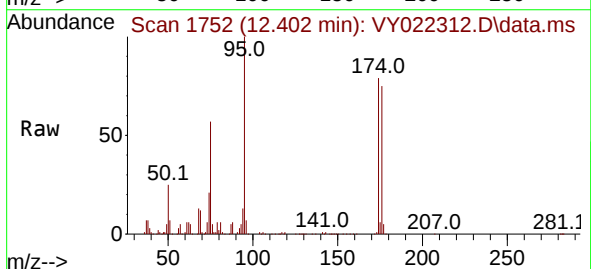
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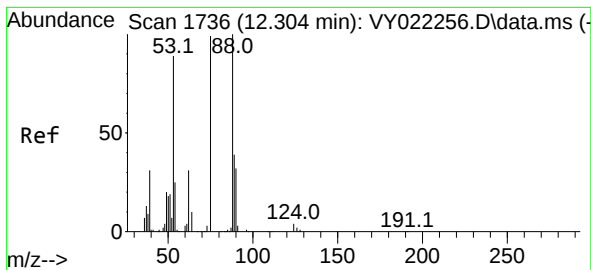
Tgt Ion: 75 Resp: 87777

Ion Ratio Lower Upper

75 100

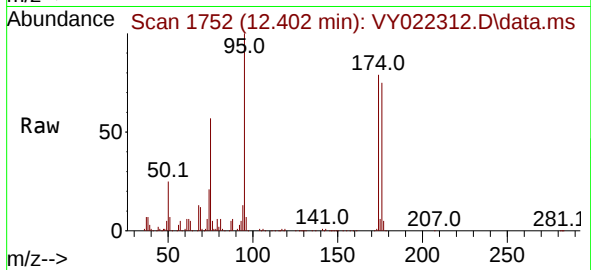
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.924 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022312.D
 Acq: 19 May 2025 12:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 L2-WC-3-VOC



Tgt Ion: 75 Resp: 87777
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.0 36.2 54.2#

