

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023576.D
 Acq On : 24 Oct 2025 16:25
 Operator : SY/MD
 Sample : Q3460-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Quant Time: Oct 24 23:53:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

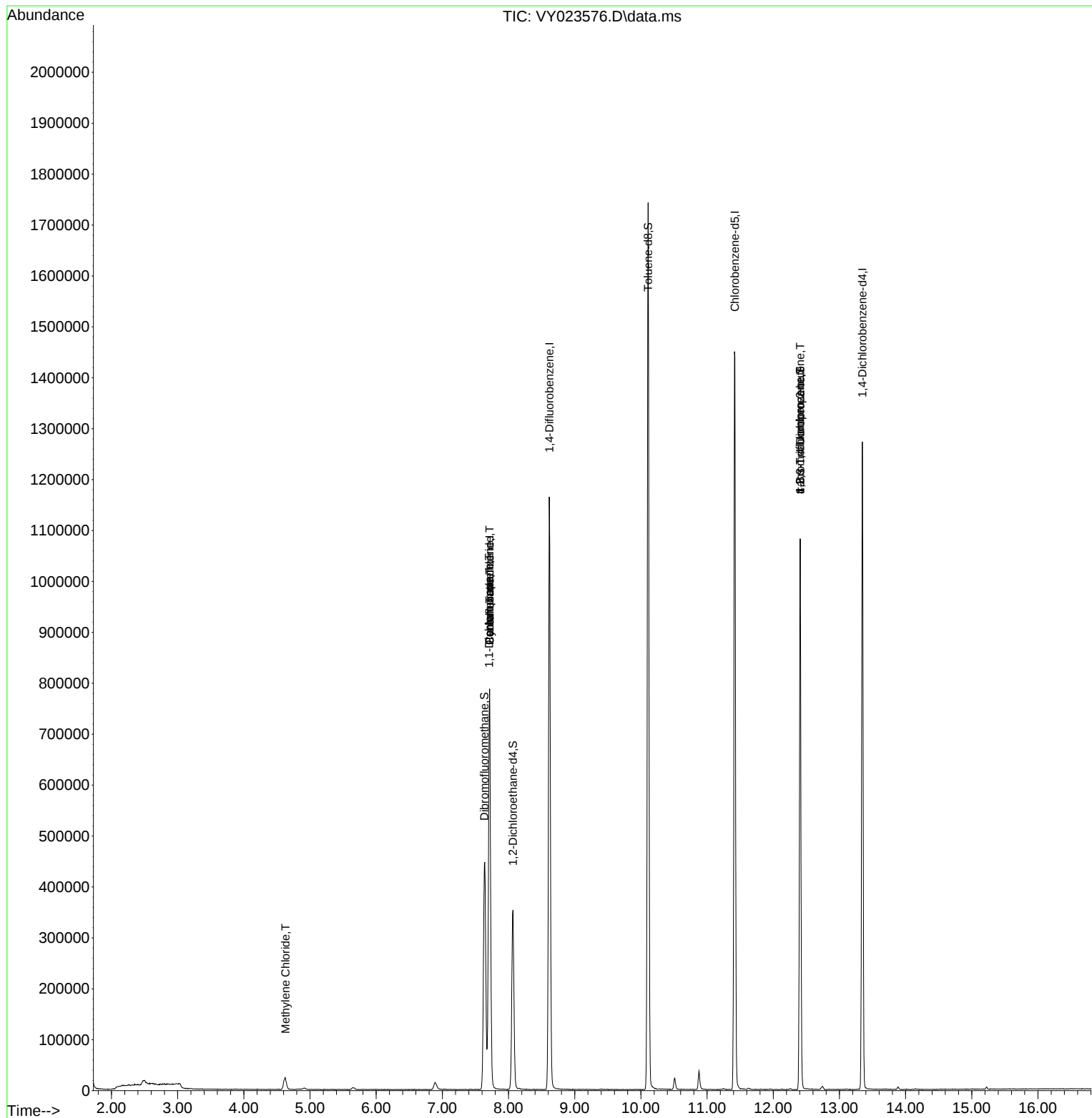
Internal Standards						
1) Pentafluorobenzene	7.713	168	659418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1063776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	860353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	343067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	271881	49.306	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.620%
35) Dibromofluoromethane	7.634	113	328774	50.299	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.600%
50) Toluene-d8	10.109	98	1168595	48.007	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.020%
62) 4-Bromofluorobenzene	12.408	95	316482	39.380	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.760%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.628	84	18719	2.637	ug/l	88
31) Cyclohexane	7.713	56	10234	1.116	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	41667	4.815	ug/l #	48
38) Carbon Tetrachloride	7.713	117	58757	5.600	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	150729	49.799	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	150729	122.116	ug/l #	15

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

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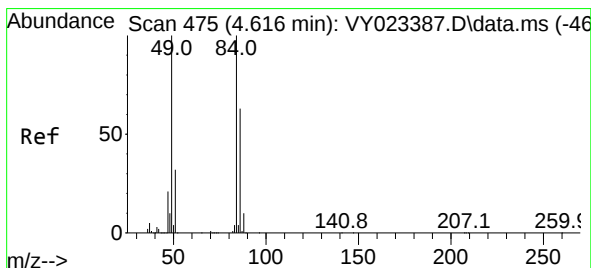
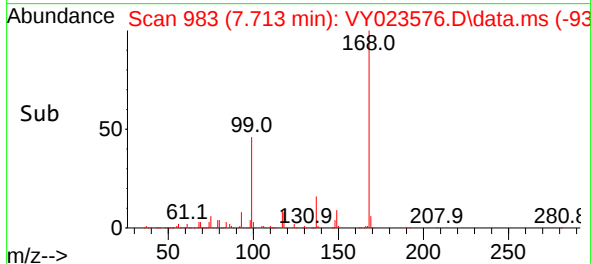
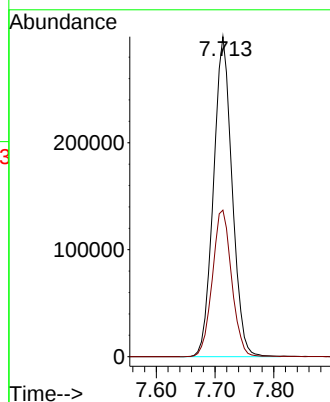
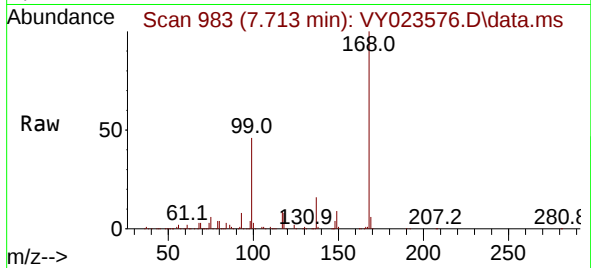




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023576.D
Acq: 24 Oct 2025 16:25

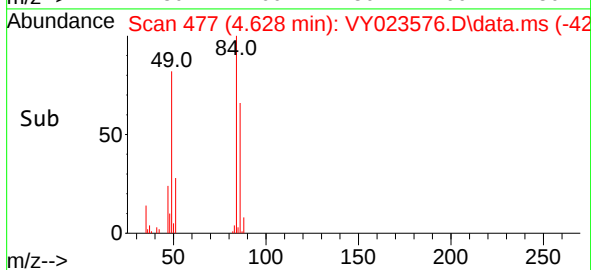
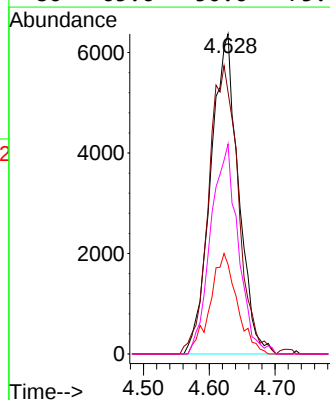
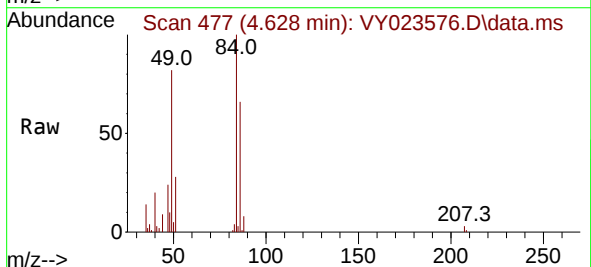
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

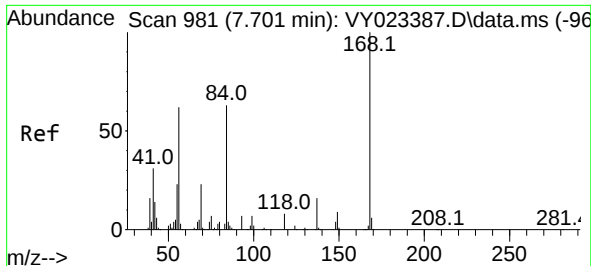
Tgt Ion:168 Resp: 659418
Ion Ratio Lower Upper
168 100
99 45.8 39.7 59.5



#20
Methylene Chloride
Concen: 2.637 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY023576.D
Acq: 24 Oct 2025 16:25

Tgt Ion: 84 Resp: 18719
Ion Ratio Lower Upper
84 100
49 81.9 80.2 120.4
51 27.9 25.9 38.9
86 65.6 50.6 75.8

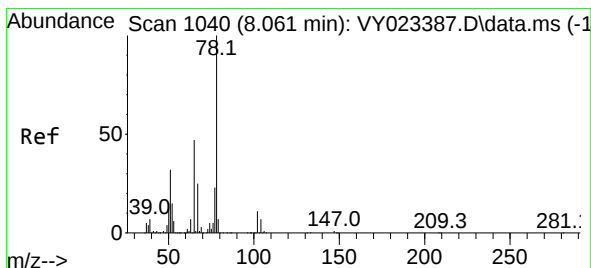
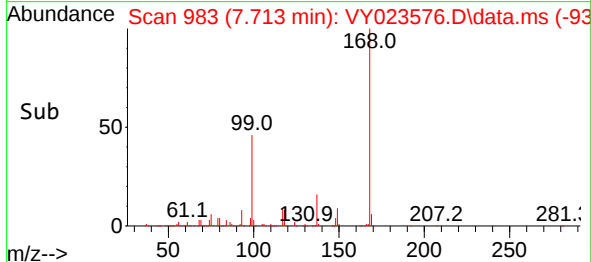
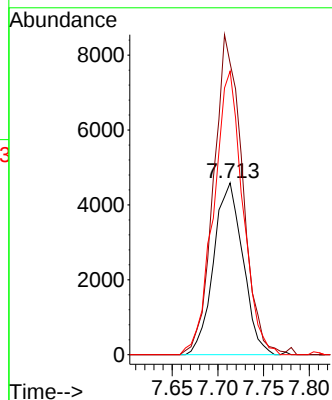
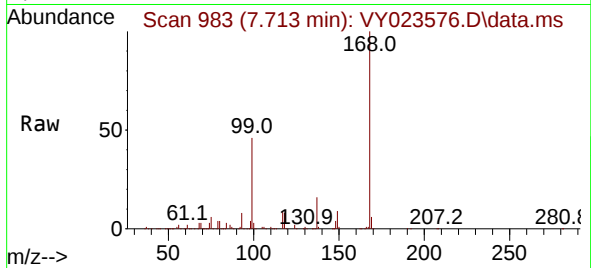




#31
Cyclohexane
Concen: 1.116 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023576.D
Acq: 24 Oct 2025 16:25

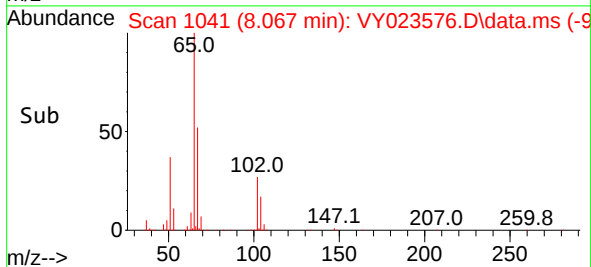
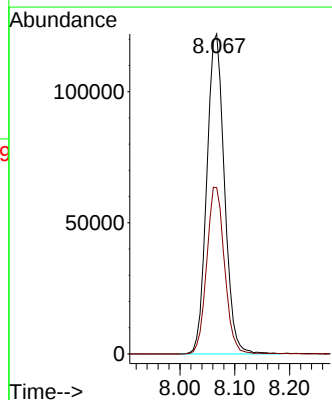
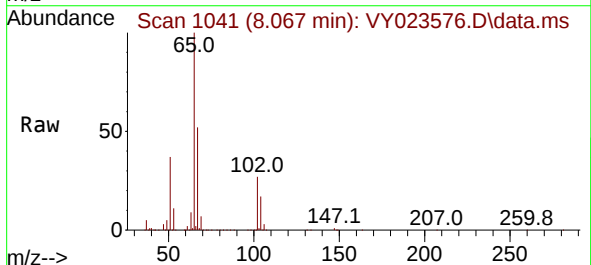
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

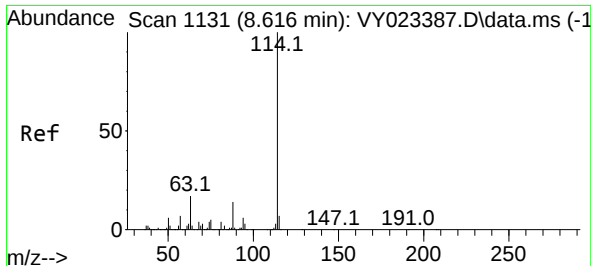
Tgt Ion: 56 Resp: 10234
Ion Ratio Lower Upper
56 100
69 169.6 30.0 45.0#
84 165.0 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 49.306 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023576.D
Acq: 24 Oct 2025 16:25

Tgt Ion: 65 Resp: 271881
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8

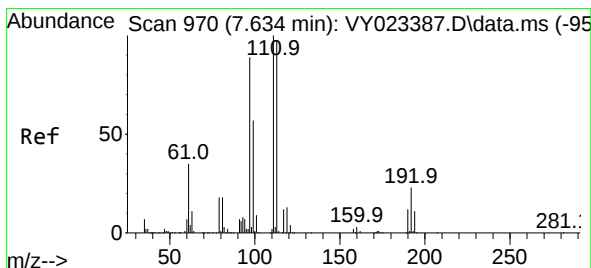
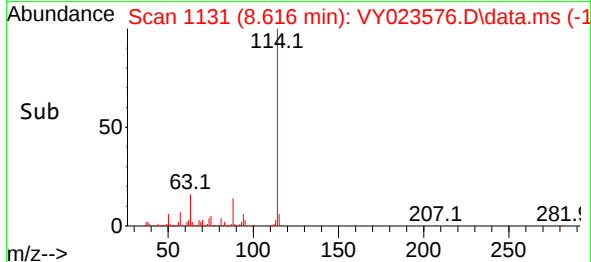
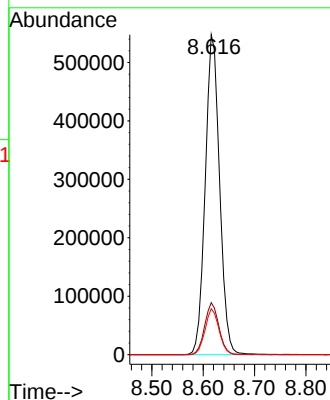
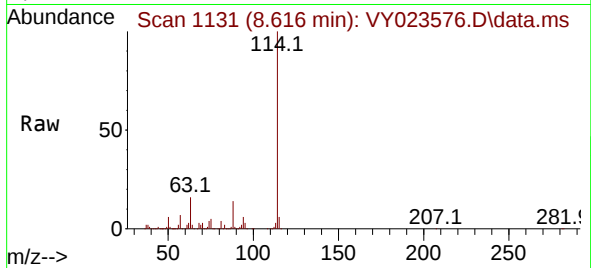




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023576.D
Acq: 24 Oct 2025 16:25

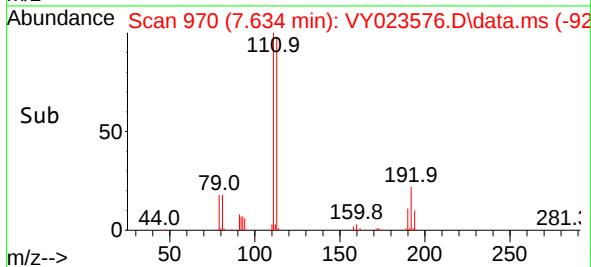
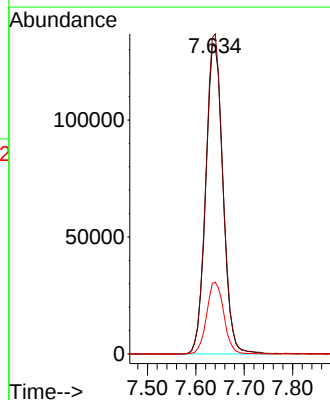
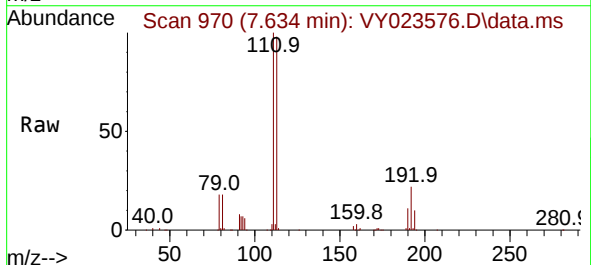
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

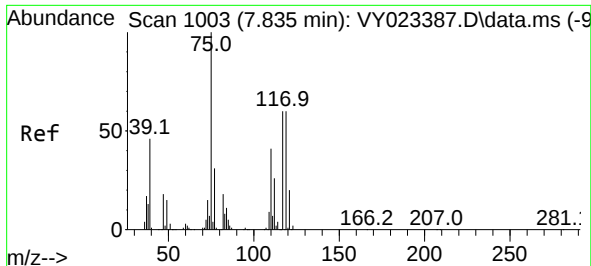
Tgt Ion:114 Resp: 1063776
Ion Ratio Lower Upper
114 100
63 16.3 0.0 34.2
88 14.4 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.299 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023576.D
Acq: 24 Oct 2025 16:25

Tgt Ion:113 Resp: 328774
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.6
192 23.1 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.815 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023576.D

Acq: 24 Oct 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

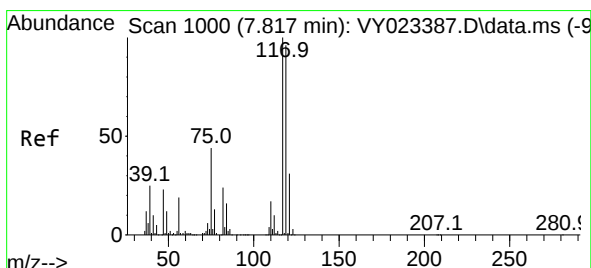
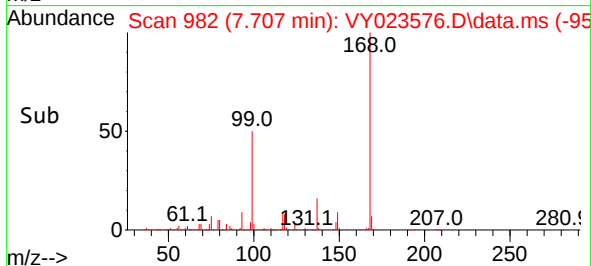
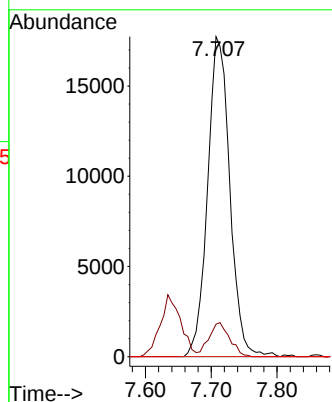
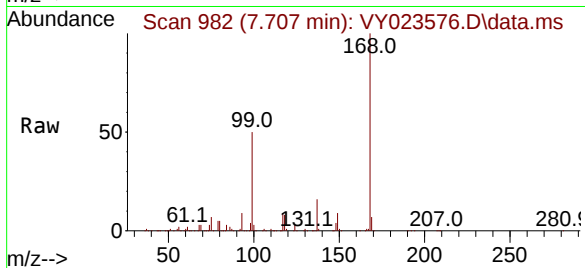
Tgt Ion: 75 Resp: 41667

Ion Ratio Lower Upper

75 100

110 10.0 19.9 59.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.600 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023576.D

Acq: 24 Oct 2025 16:25

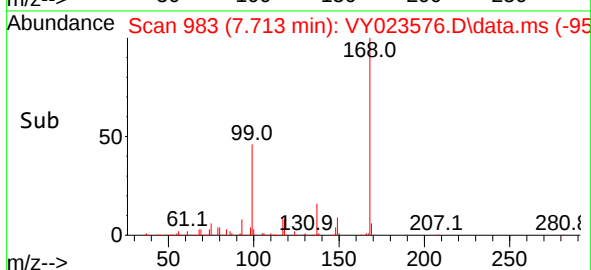
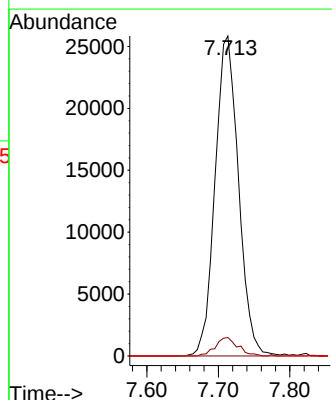
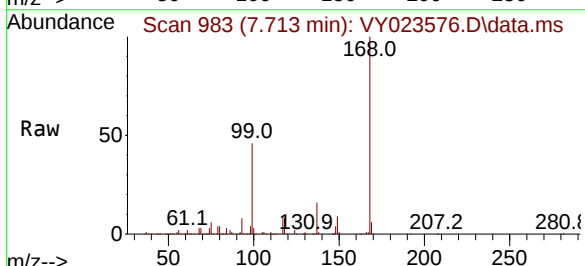
Tgt Ion: 117 Resp: 58757

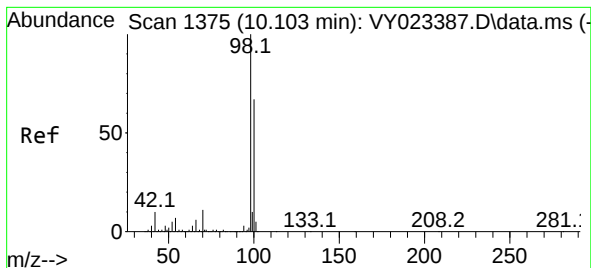
Ion Ratio Lower Upper

117 100

119 5.8 76.8 115.2#

121 0.0 24.5 36.7#

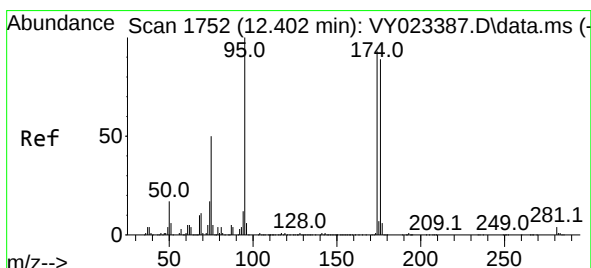
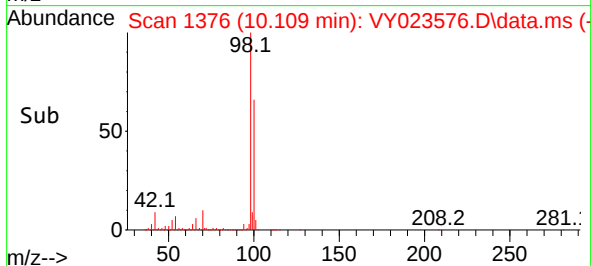
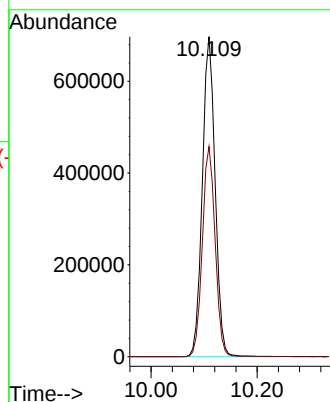
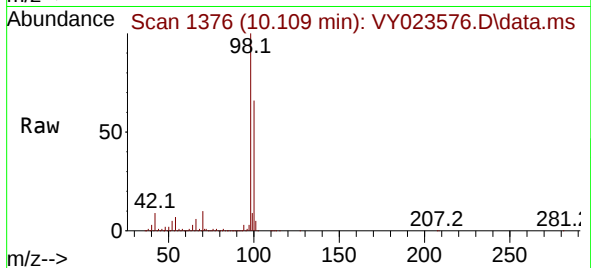




#50
Toluene-d8
Concen: 48.007 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023576.D
Acq: 24 Oct 2025 16:25

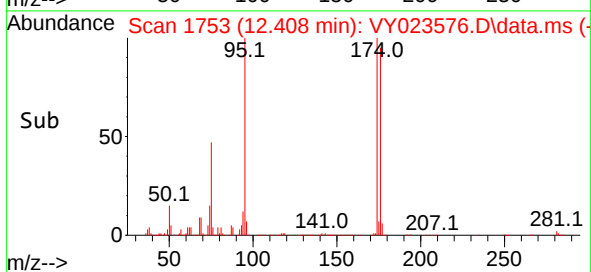
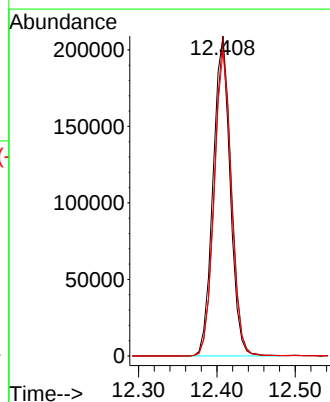
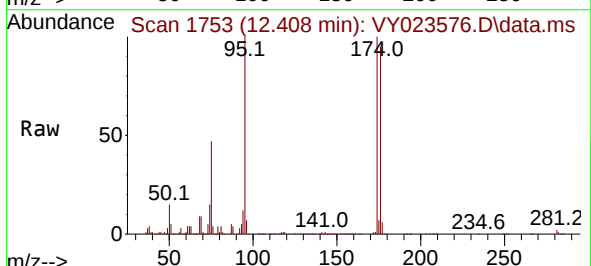
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

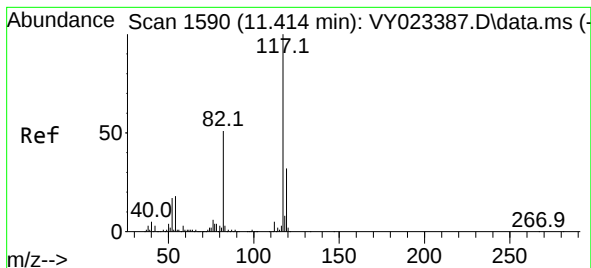
Tgt Ion: 98 Resp: 1168595
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 39.380 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023576.D
Acq: 24 Oct 2025 16:25

Tgt Ion: 95 Resp: 316482
Ion Ratio Lower Upper
95 100
174 99.5 0.0 192.8
176 95.3 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023576.D

Acq: 24 Oct 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

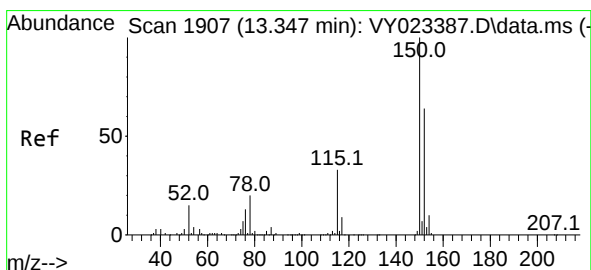
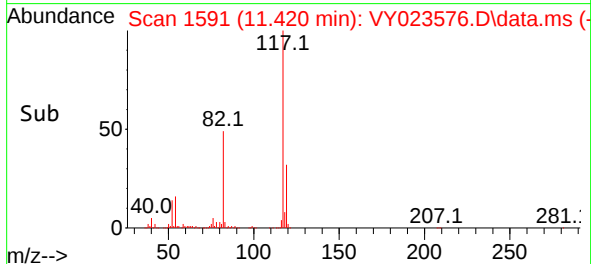
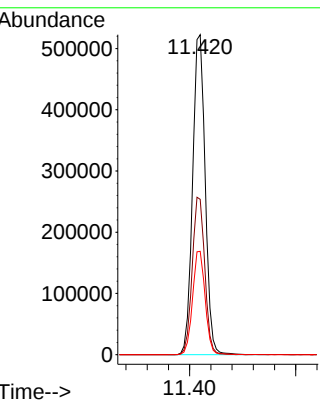
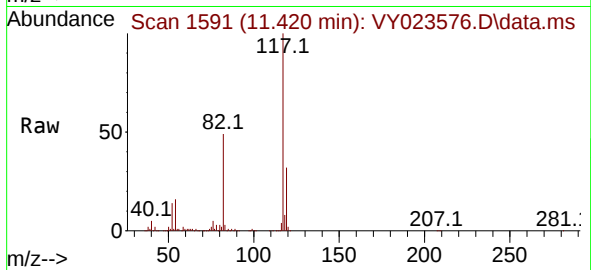
Tgt Ion:117 Resp: 860353

Ion Ratio Lower Upper

117 100

82 48.6 41.0 61.4

119 32.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023576.D

Acq: 24 Oct 2025 16:25

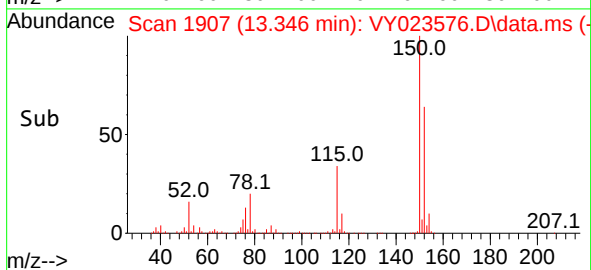
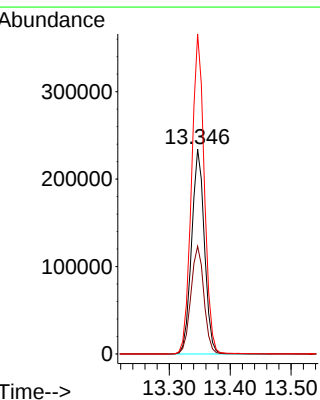
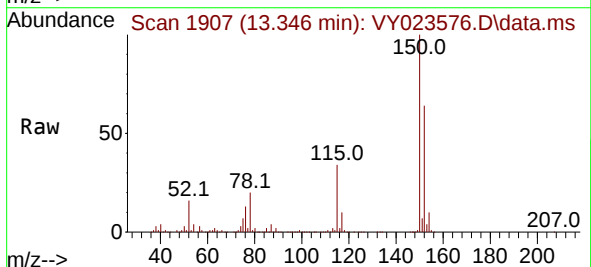
Tgt Ion:152 Resp: 343067

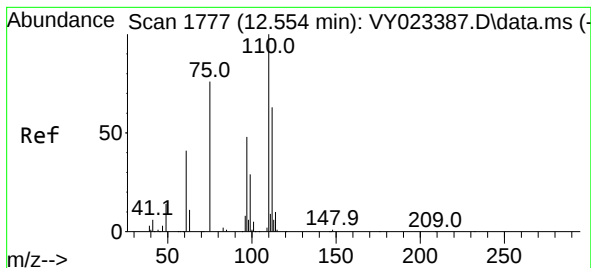
Ion Ratio Lower Upper

152 100

115 53.7 27.1 81.2

150 156.0 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 49.799 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023576.D

Acq: 24 Oct 2025 16:25

Instrument :

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ClientSampleId :

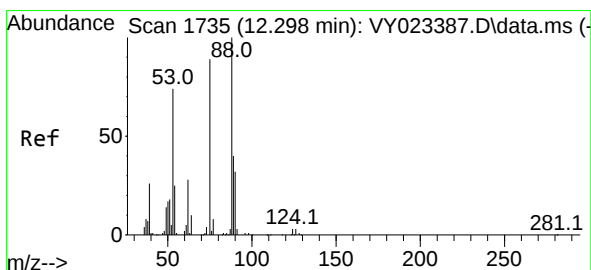
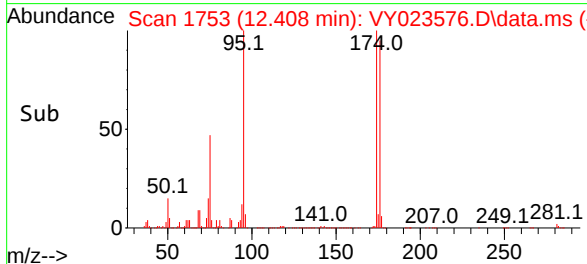
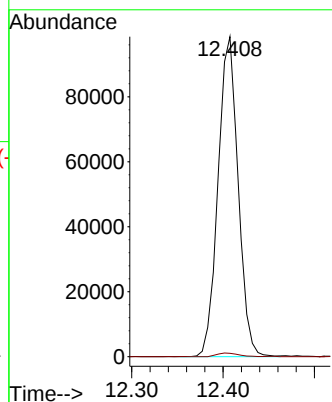
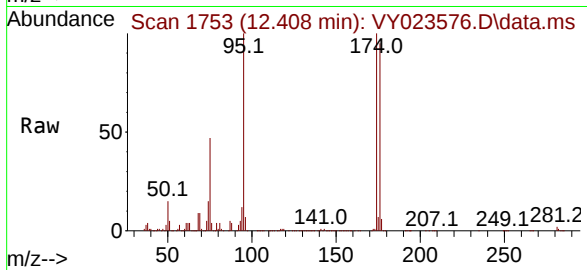
WC-1-VOC

Tgt Ion: 75 Resp: 150729

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.116 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY023576.D

Acq: 24 Oct 2025 16:25

Tgt Ion: 75 Resp: 150729

Ion Ratio Lower Upper

75 100

53 0.1 68.6 102.8#

89 0.0 39.0 58.4#

