

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023131.D
 Acq On : 15 Aug 2025 17:33
 Operator : SY/MD
 Sample : Q2868-02
 Misc : 5.18g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Aug 18 02:32:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

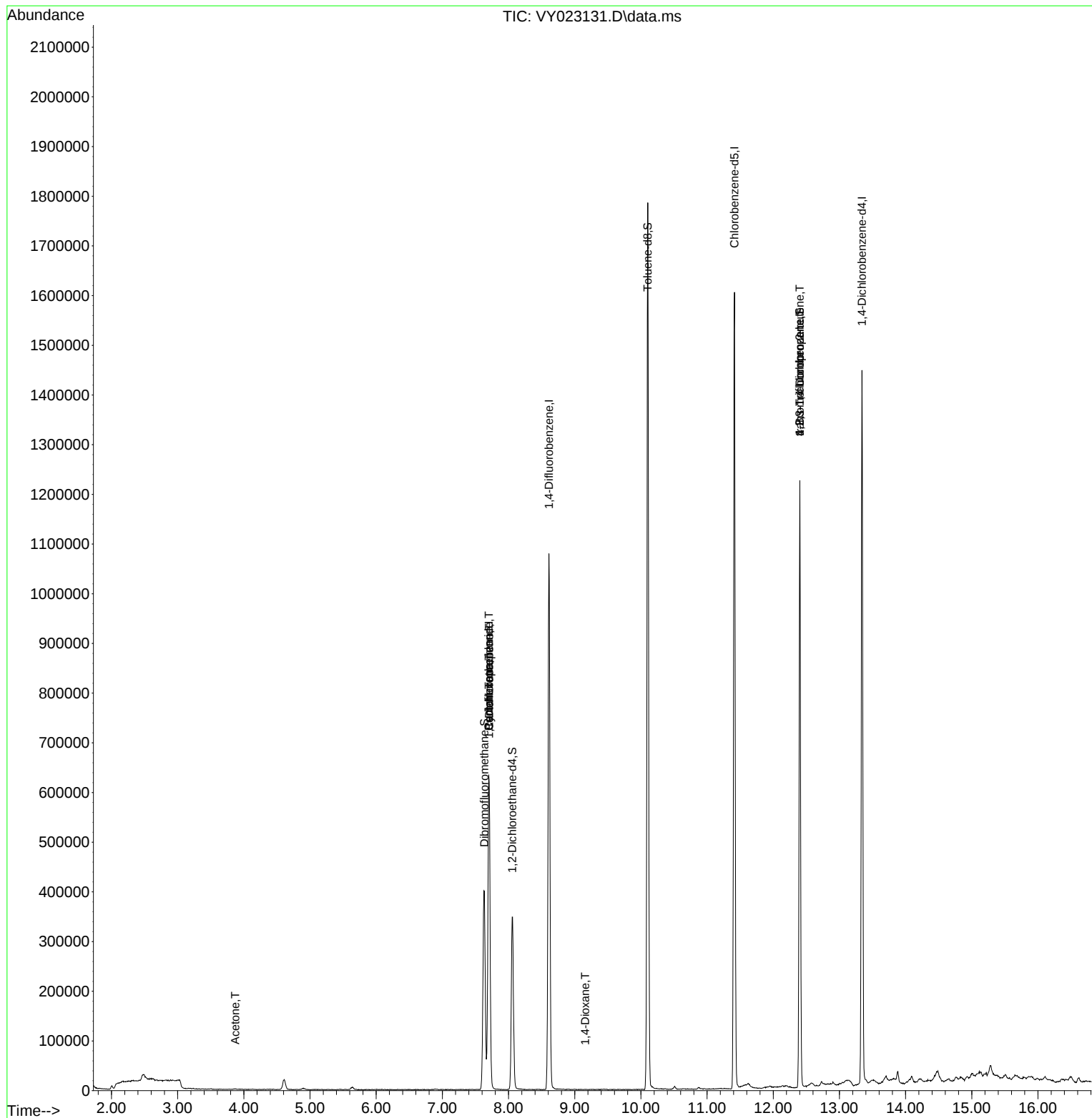
Internal Standards						
1) Pentafluorobenzene	7.701	168	496911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	931727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	853505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	359140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	276979	58.485	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.960%	
35) Dibromofluoromethane	7.634	113	289457	51.919	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.840%	
50) Toluene-d8	10.103	98	1137267	52.217	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.440%	
62) 4-Bromofluorobenzene	12.402	95	349218	49.857	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.720%	
Target Compounds						Qvalue
16) Acetone	3.873	43	2095	2.042	ug/l	97
31) Cyclohexane	7.701	56	10463	1.186	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	38590	4.658	ug/l #	49
38) Carbon Tetrachloride	7.701	117	49614	5.513	ug/l #	17
49) 1,4-Dioxane	9.158	88	42	1.062	ug/l #	36
76) 1,2,3-Trichloropropane	12.402	75	186589	53.833	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	186589	130.312	ug/l #	14

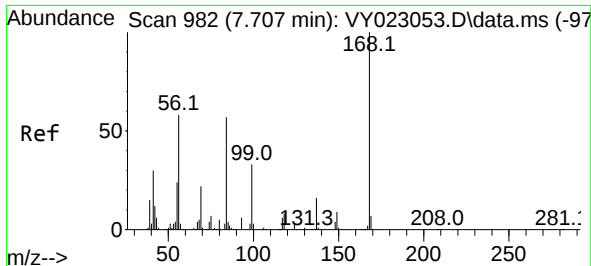
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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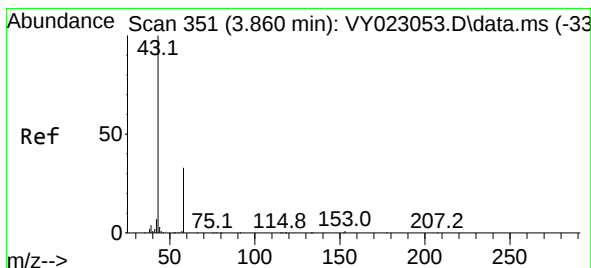
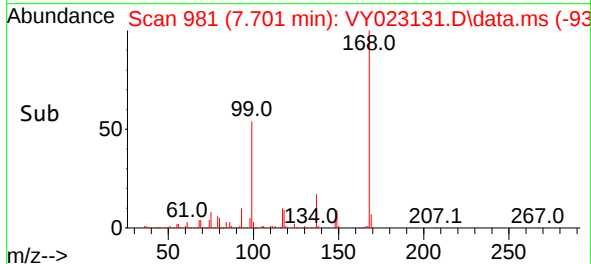
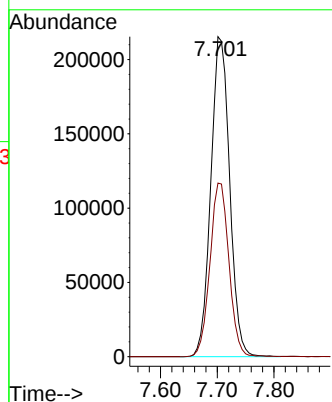
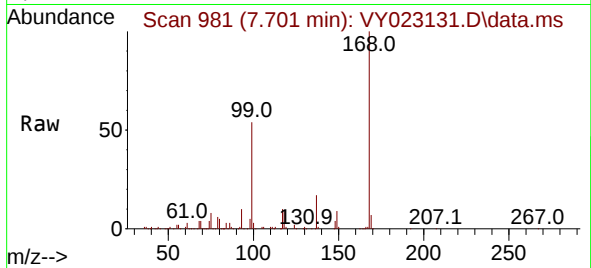




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023131.D
Acq: 15 Aug 2025 17:33

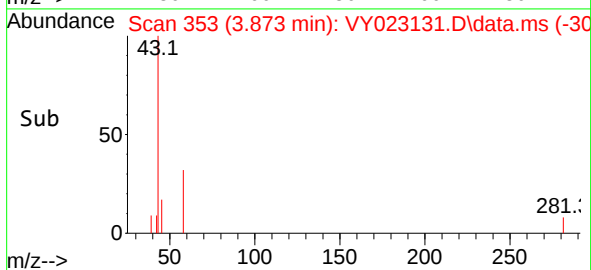
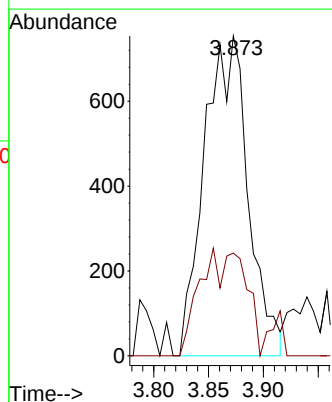
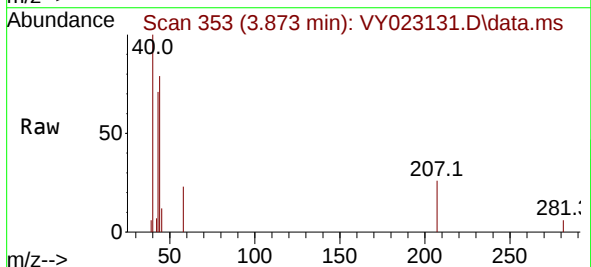
Instrument :
MSVOA_Y
ClientSampleId :
VOC

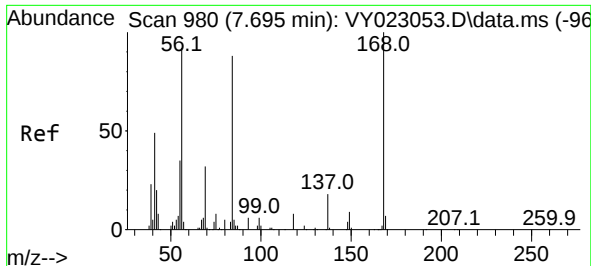
Tgt Ion:168 Resp: 496911
Ion Ratio Lower Upper
168 100
99 54.2 42.8 64.2



#16
Acetone
Concen: 2.042 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023131.D
Acq: 15 Aug 2025 17:33

Tgt Ion: 43 Resp: 2095
Ion Ratio Lower Upper
43 100
58 32.1 27.1 40.7

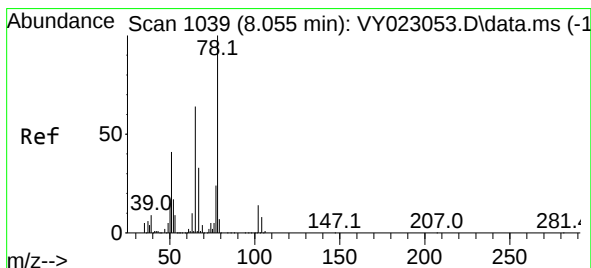
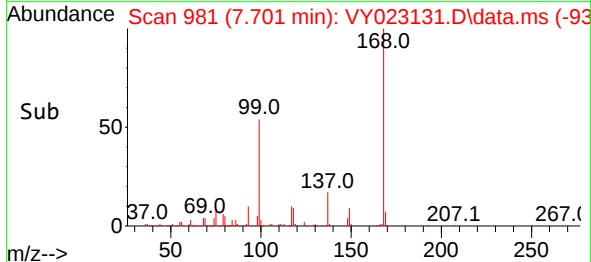
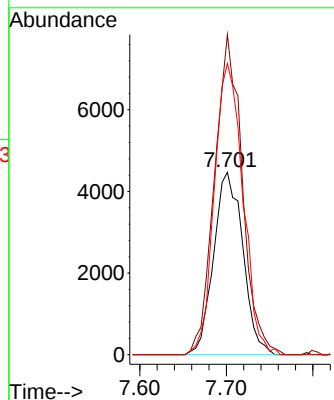
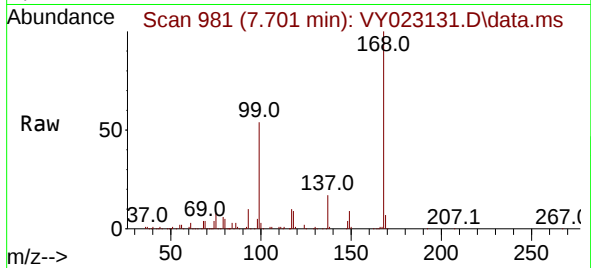




#31
Cyclohexane
Concen: 1.186 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023131.D
Acq: 15 Aug 2025 17:33

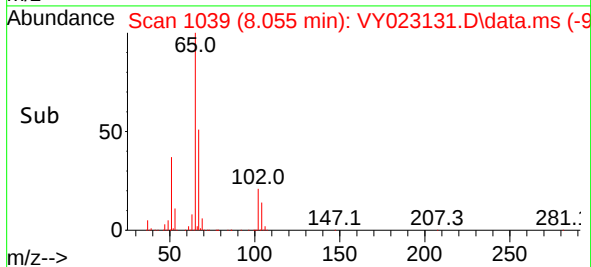
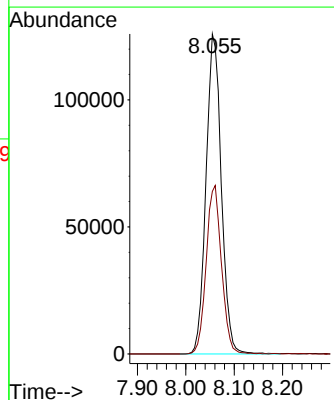
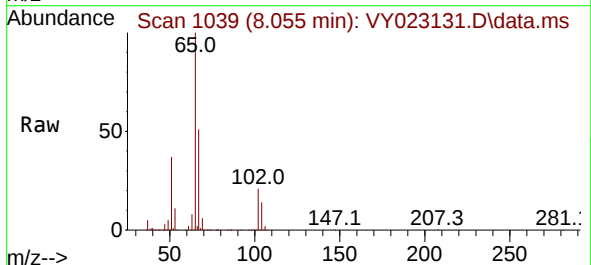
Instrument :
MSVOA_Y
ClientSampleId :
VOC

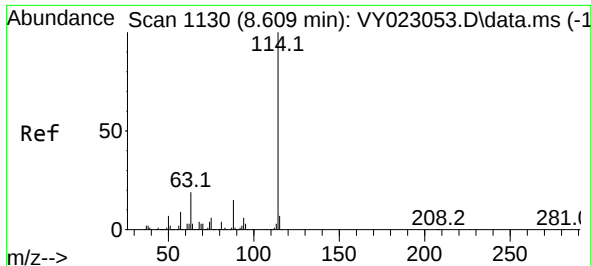
Tgt Ion: 56 Resp: 10463
Ion Ratio Lower Upper
56 100
69 175.4 28.2 42.2#
84 159.6 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 58.485 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY023131.D
Acq: 15 Aug 2025 17:33

Tgt Ion: 65 Resp: 276979
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023131.D

Acq: 15 Aug 2025 17:33

Instrument :

MSVOA_Y

ClientSampleId :

VOC

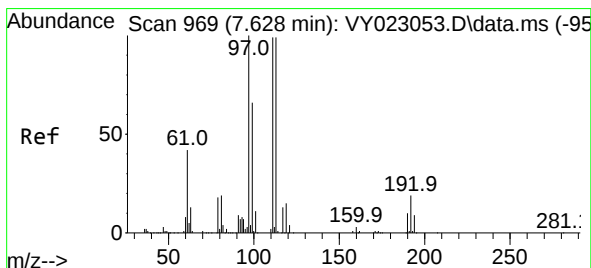
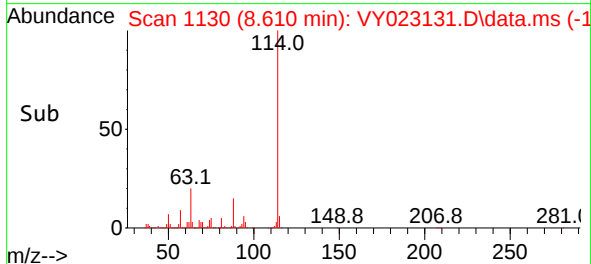
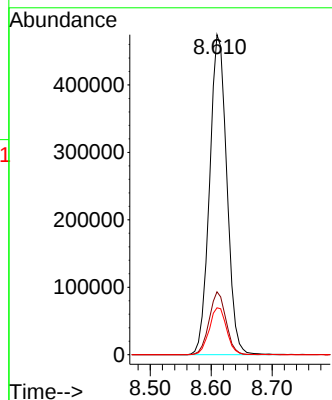
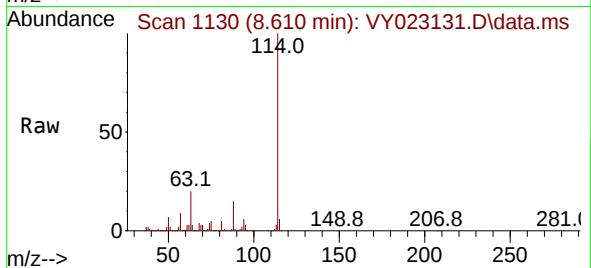
Tgt Ion:114 Resp: 931727

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

88 14.6 0.0 30.0



#35

Dibromofluoromethane

Concen: 51.919 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023131.D

Acq: 15 Aug 2025 17:33

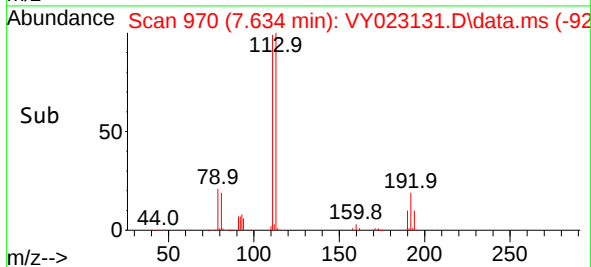
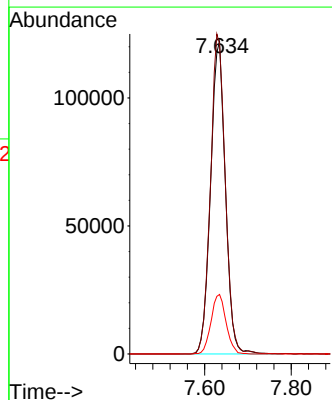
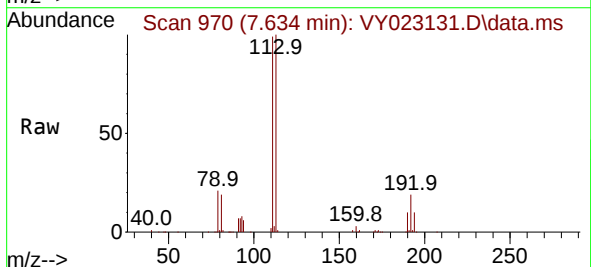
Tgt Ion:113 Resp: 289457

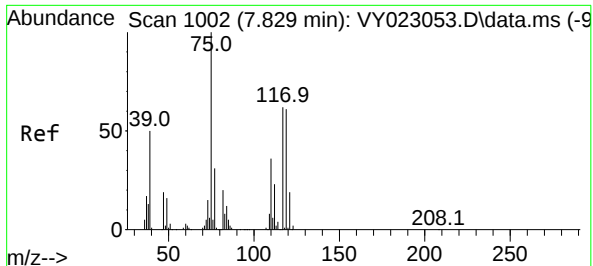
Ion Ratio Lower Upper

113 100

111 102.3 81.1 121.7

192 19.4 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.658 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023131.D

Acq: 15 Aug 2025 17:33

Instrument :

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ClientSampleId :

VOC

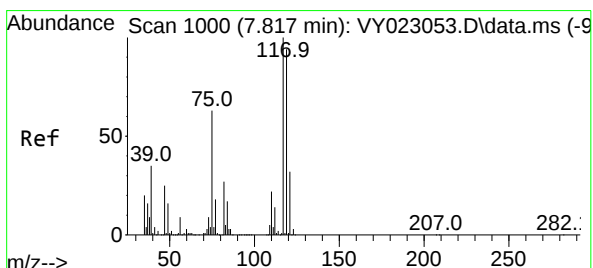
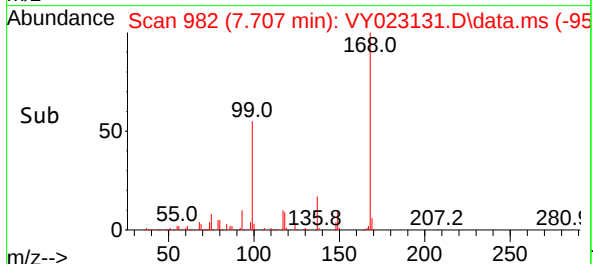
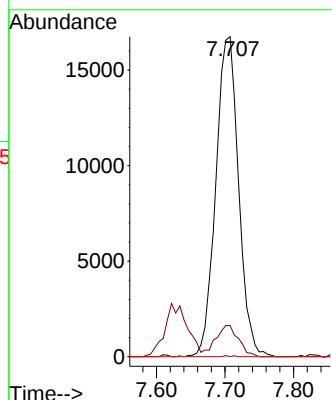
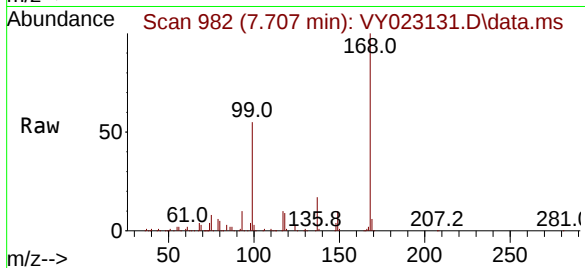
Tgt Ion: 75 Resp: 38590

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.4#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.513 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY023131.D

Acq: 15 Aug 2025 17:33

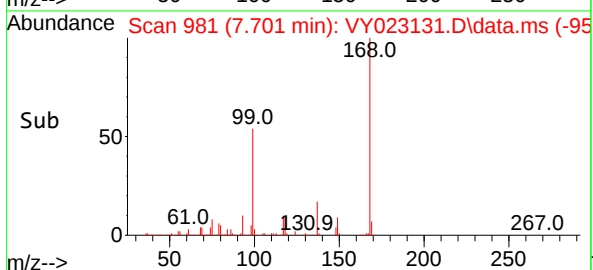
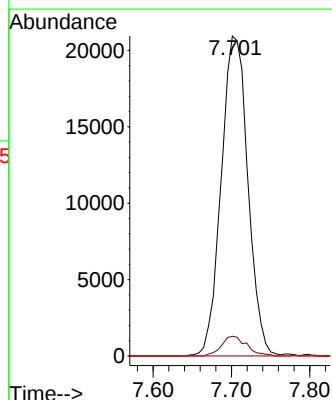
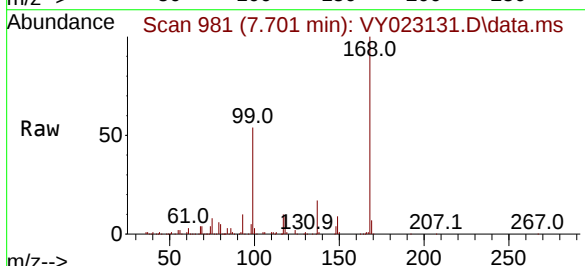
Tgt Ion: 117 Resp: 49614

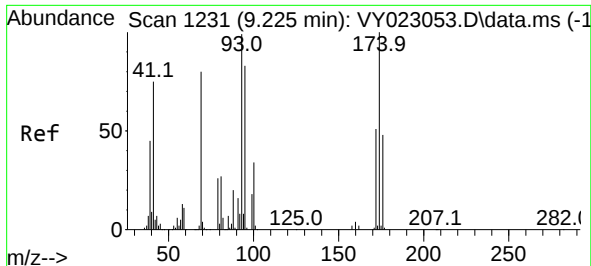
Ion Ratio Lower Upper

117 100

119 6.2 75.6 113.4#

121 0.0 25.8 38.8#





#49

1,4-Dioxane

Concen: 1.062 ug/l

RT: 9.158 min Scan# 11

Delta R.T. -0.067 min

Lab File: VY023131.D

Acq: 15 Aug 2025 17:33

Instrument :

MSVOA_Y

ClientSampleId :

VOC

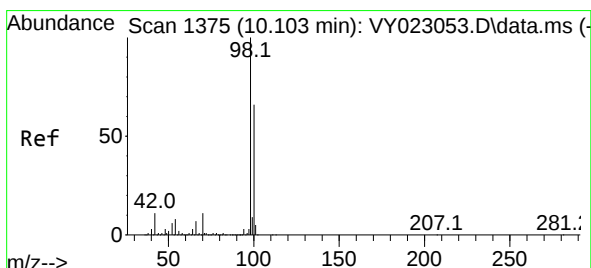
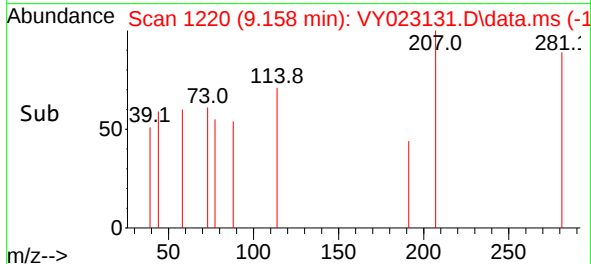
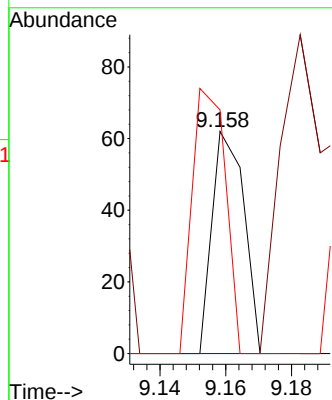
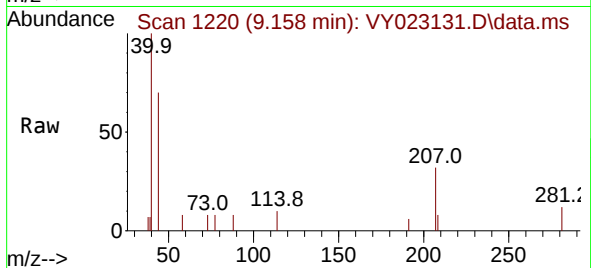
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 0.0 24.3 36.5#

58 123.8 55.4 83.0#



#50

Toluene-d8

Concen: 52.217 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023131.D

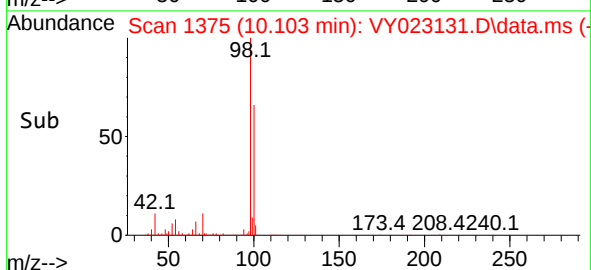
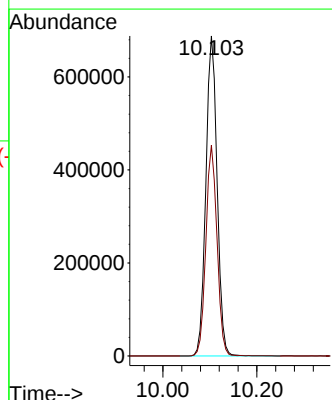
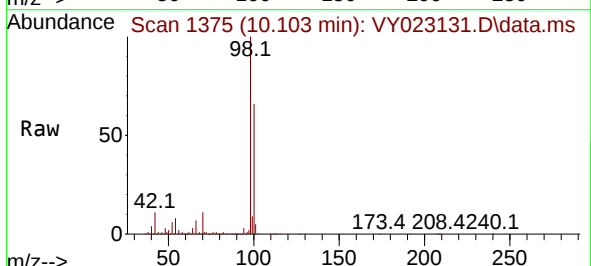
Acq: 15 Aug 2025 17:33

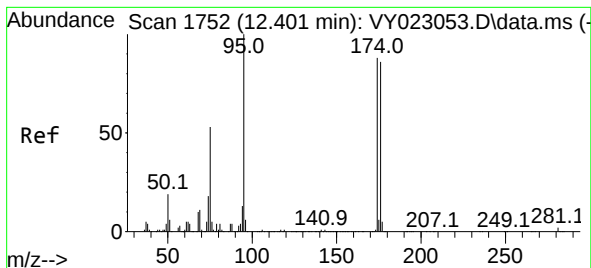
Tgt Ion: 98 Resp: 1137267

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5

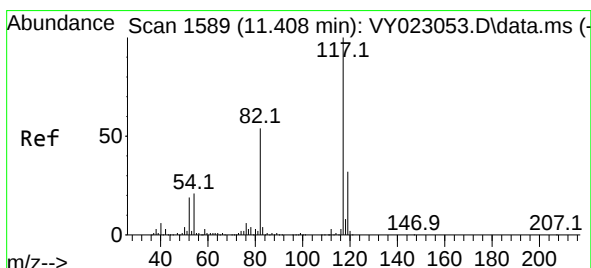
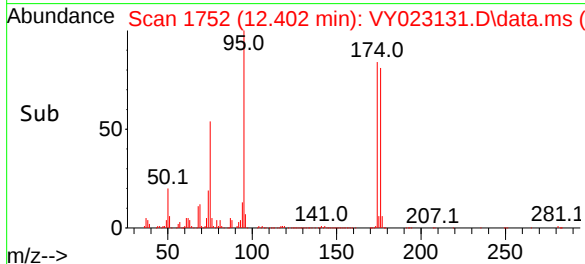
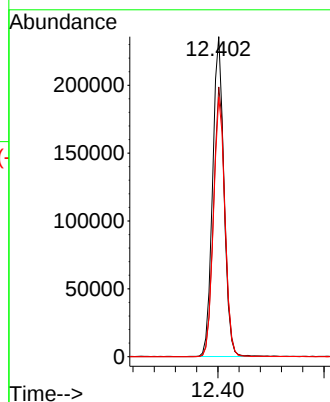
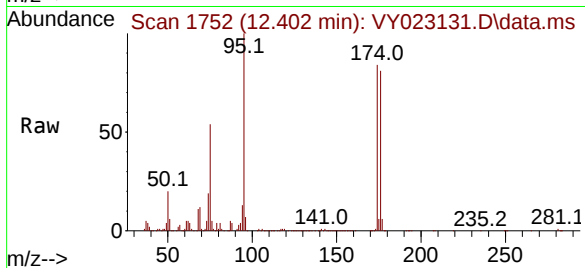




#62
4-Bromofluorobenzene
Concen: 49.857 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023131.D
Acq: 15 Aug 2025 17:33

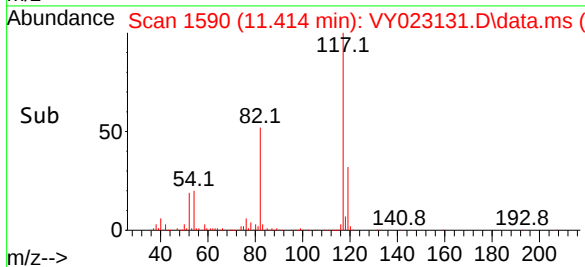
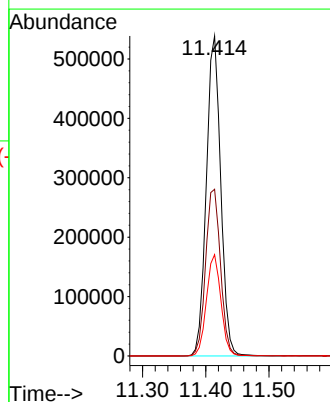
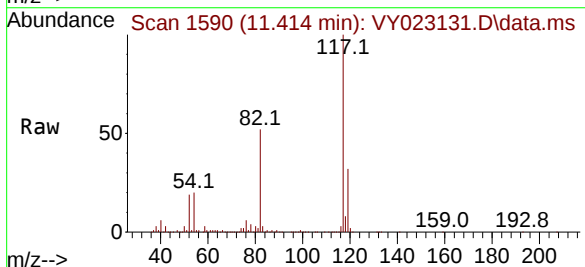
Instrument :
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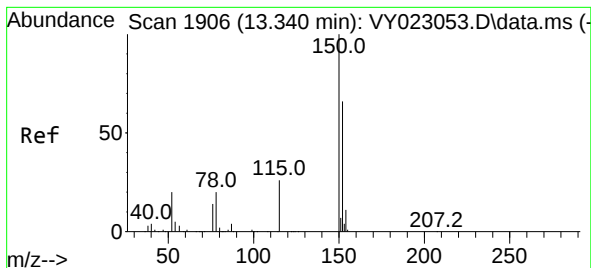
Tgt Ion: 95 Resp: 349218
Ion Ratio Lower Upper
95 100
174 84.9 0.0 171.6
176 81.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023131.D
Acq: 15 Aug 2025 17:33

Tgt Ion: 117 Resp: 853505
Ion Ratio Lower Upper
117 100
82 52.1 43.4 65.0
119 31.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023131.D

Acq: 15 Aug 2025 17:33

Instrument :

MSVOA_Y

ClientSampleId :

VOC

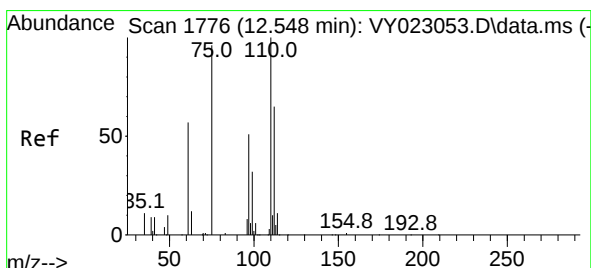
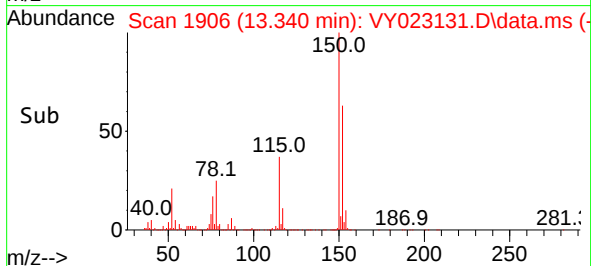
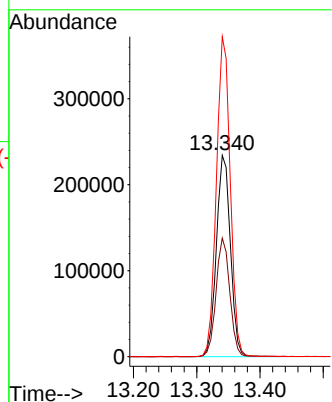
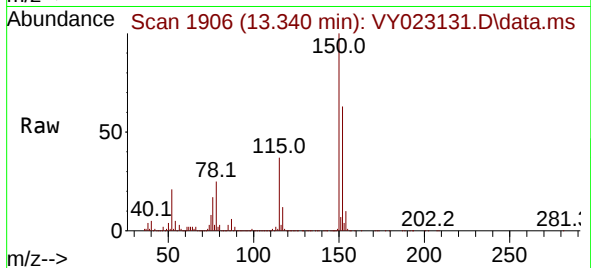
Tgt Ion:152 Resp: 359140

Ion Ratio Lower Upper

152 100

115 57.5 28.2 84.6

150 156.6 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 53.833 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023131.D

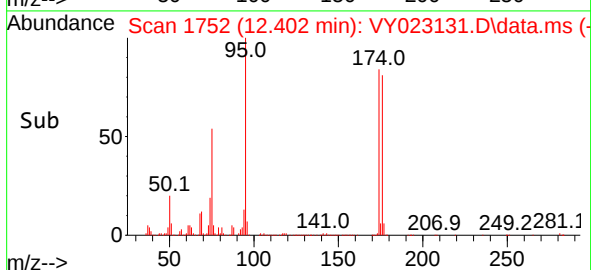
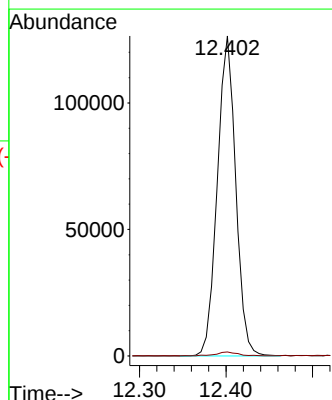
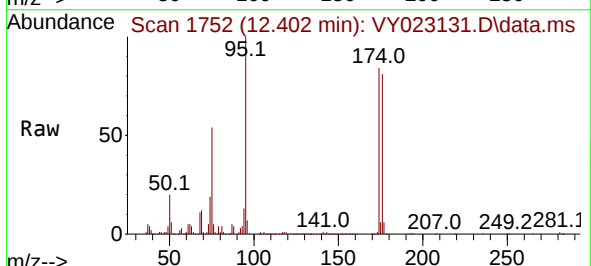
Acq: 15 Aug 2025 17:33

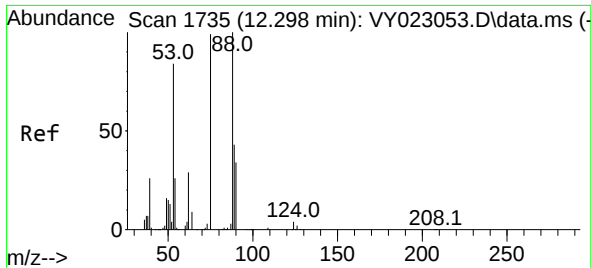
Tgt Ion: 75 Resp: 186589

Ion Ratio Lower Upper

75 100

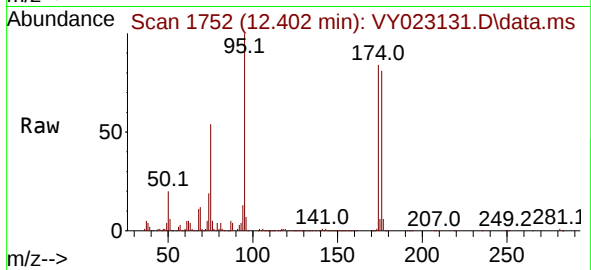
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.312 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023131.D
 Acq: 15 Aug 2025 17:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC



Tgt Ion: 75 Resp: 186589
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.0 38.1 57.1#

