

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023748.D
 Acq On : 11 Nov 2025 18:21
 Operator : SY/MD
 Sample : Q3601-19
 Misc : 3.96g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5-VOC

Quant Time: Nov 12 03:40:46 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)

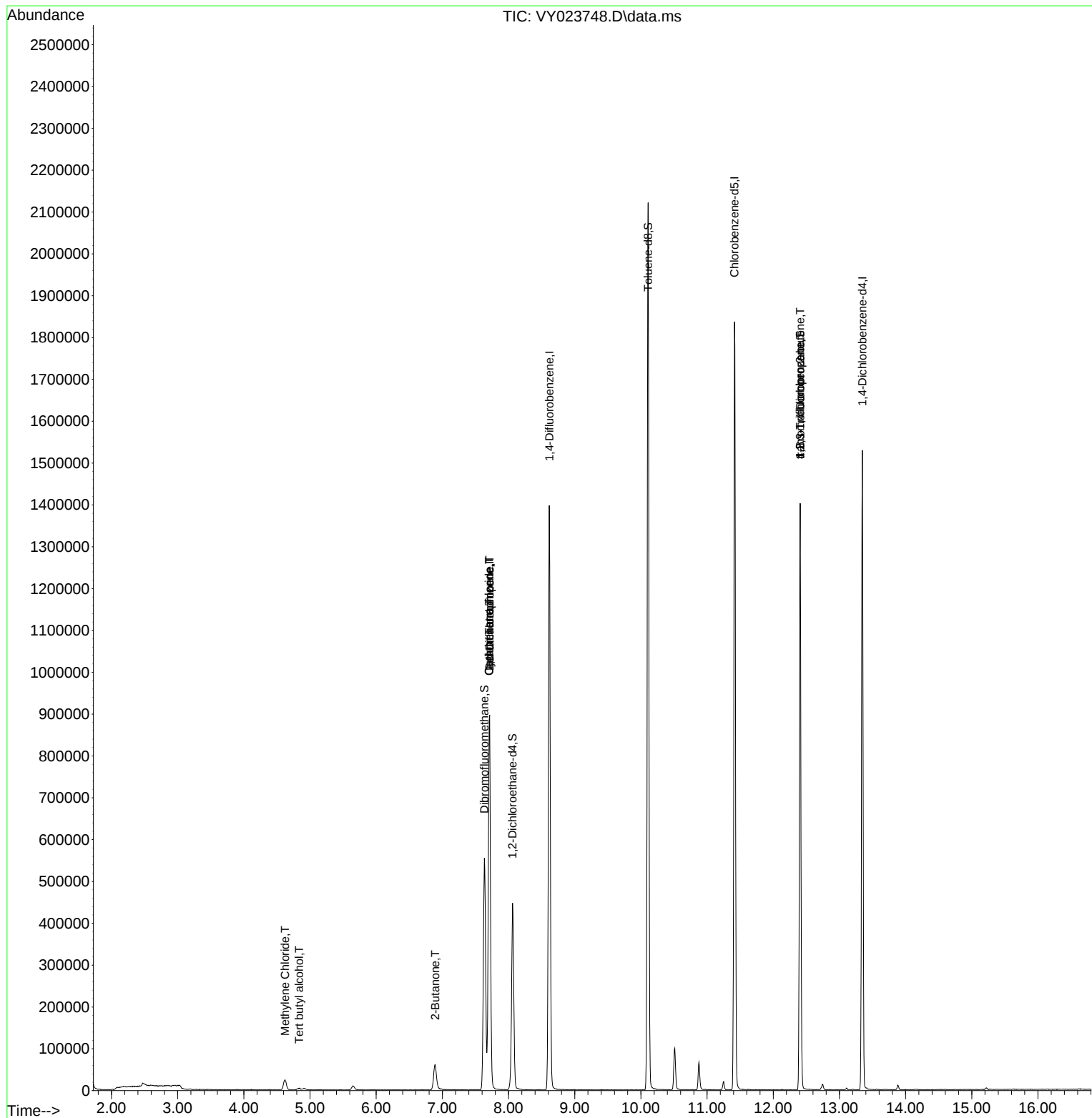
Internal Standards						
1) Pentafluorobenzene	7.713	168	768638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1288378	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1070383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	421732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	328729	51.144	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.280%	
35) Dibromofluoromethane	7.634	113	400769	50.625	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.240%	
50) Toluene-d8	10.109	98	1432295	48.582	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.160%	
62) 4-Bromofluorobenzene	12.408	95	404947	41.604	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	3912	8.181	ug/l #	72
20) Methylene Chloride	4.622	84	20917	2.528	ug/l	99
25) 2-Butanone	6.890	43	2807	1.503	ug/l #	68
31) Cyclohexane	7.707	56	12951	1.211	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	48994	4.675	ug/l #	48
38) Carbon Tetrachloride	7.707	117	69349	5.457	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	191877	51.569	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	191877	126.456	ug/l #	15

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

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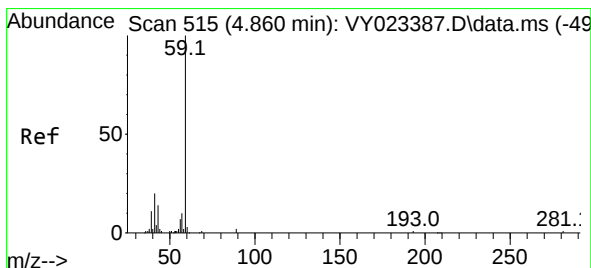
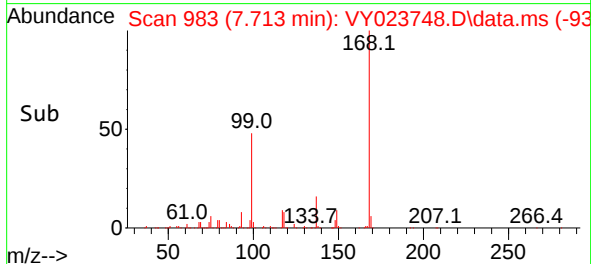
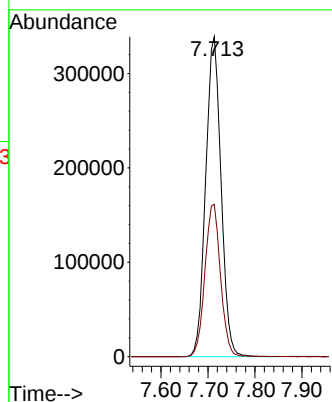
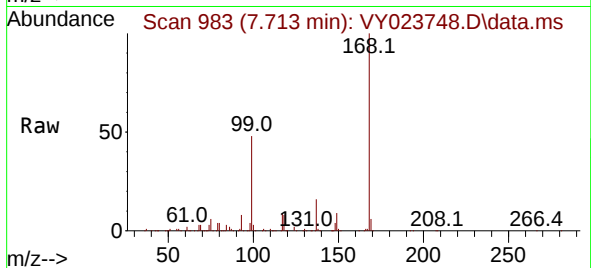




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023748.D
Acq: 11 Nov 2025 18:21

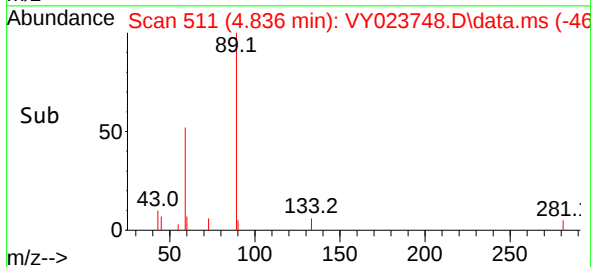
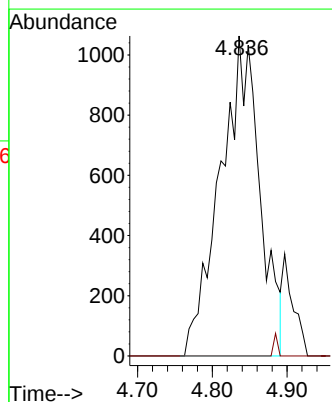
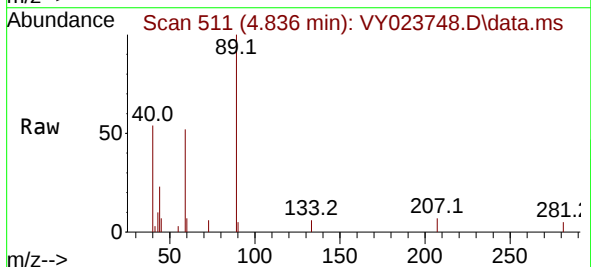
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

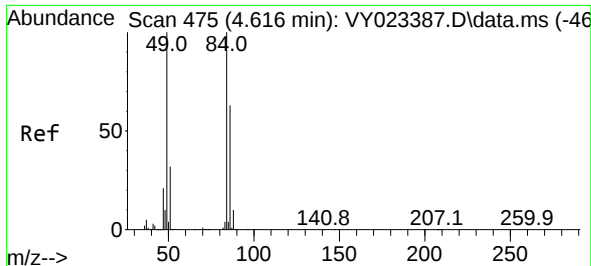
Tgt Ion:168 Resp: 768638
Ion Ratio Lower Upper
168 100
99 47.6 39.7 59.5



#11
Tert butyl alcohol
Concen: 8.181 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY023748.D
Acq: 11 Nov 2025 18:21

Tgt Ion: 59 Resp: 3912
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



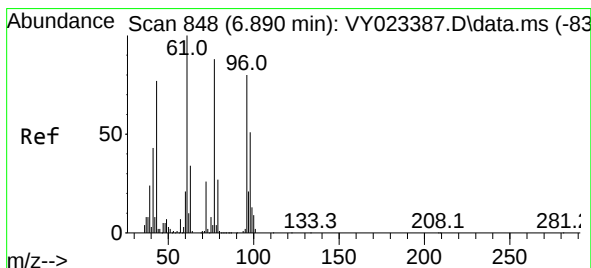
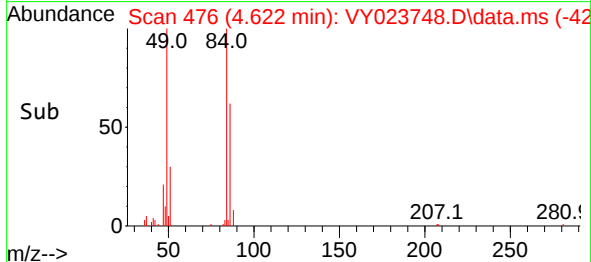
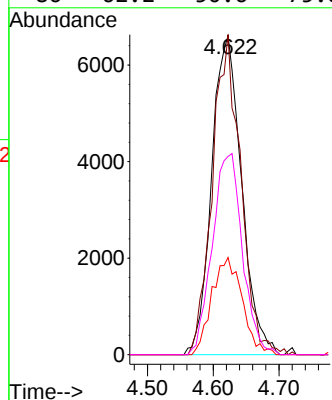
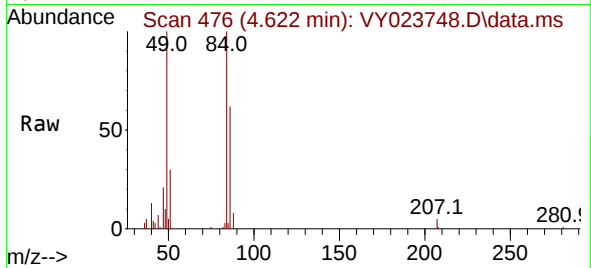


#20
Methylene Chloride
Concen: 2.528 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023748.D
Acq: 11 Nov 2025 18:21

Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

Tgt Ion: 84 Resp: 20917

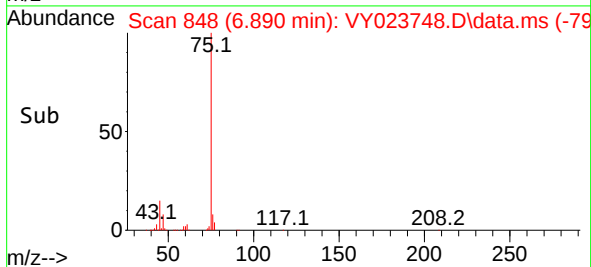
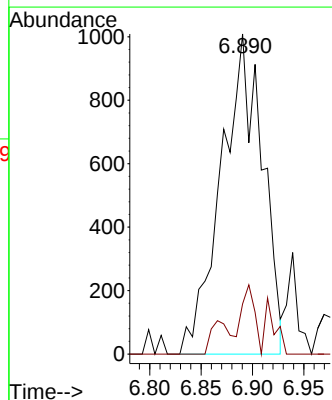
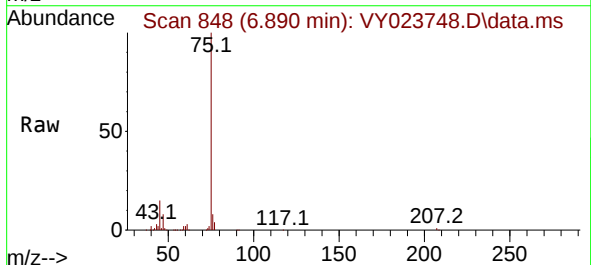
Ion	Ratio	Lower	Upper
84	100		
49	100.3	80.2	120.4
51	30.5	25.9	38.9
86	62.2	50.6	75.8

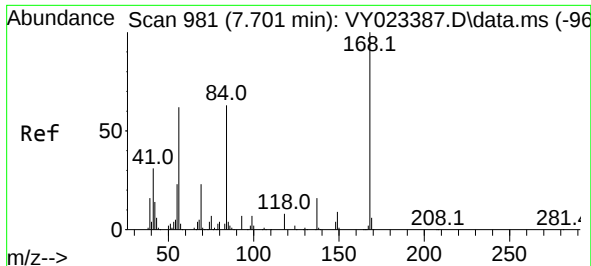


#25
2-Butanone
Concen: 1.503 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY023748.D
Acq: 11 Nov 2025 18:21

Tgt Ion: 43 Resp: 2807

Ion	Ratio	Lower	Upper
43	100		
72	15.7	27.4	41.2#

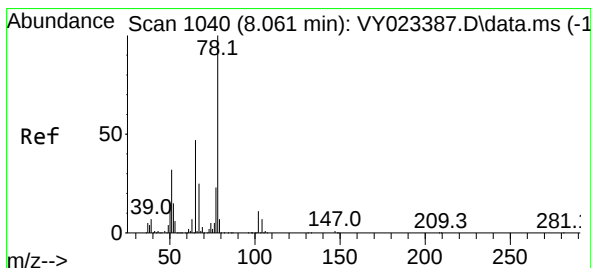
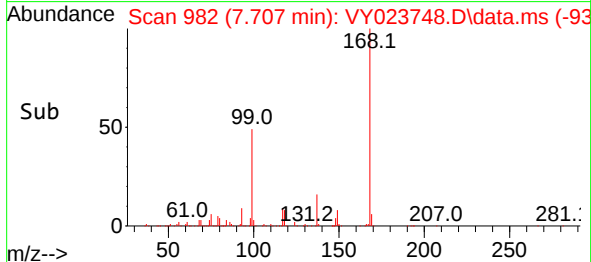
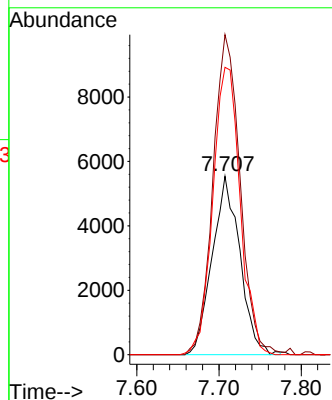
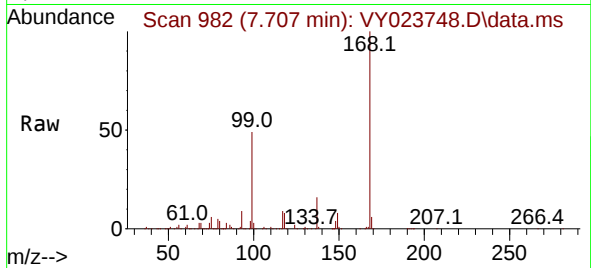




#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023748.D
Acq: 11 Nov 2025 18:21

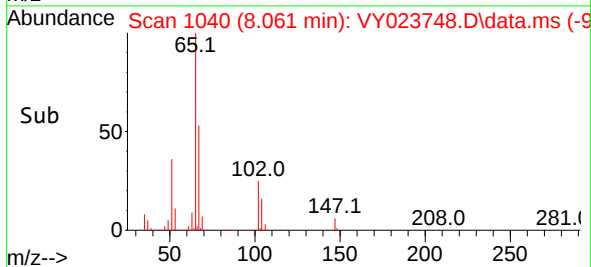
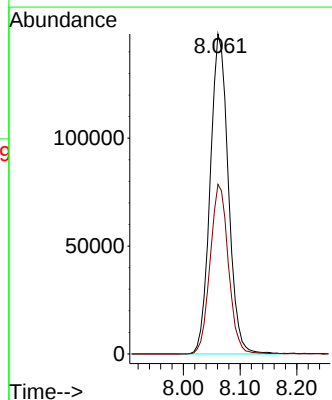
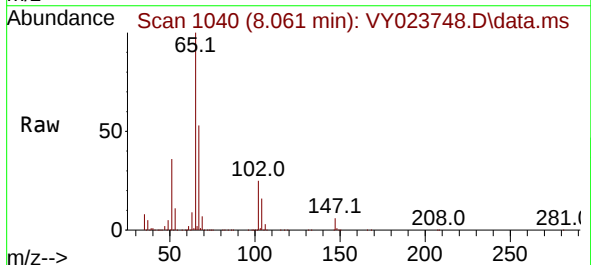
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

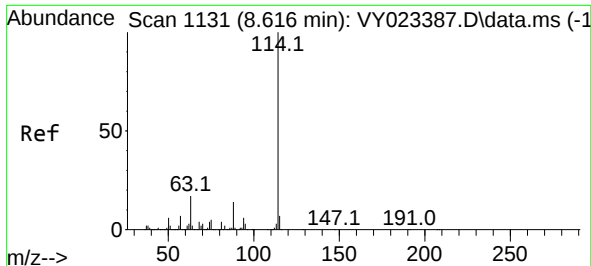
Tgt Ion: 56 Resp: 12951
Ion Ratio Lower Upper
56 100
69 179.4 30.0 45.0#
84 161.1 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 51.144 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023748.D
Acq: 11 Nov 2025 18:21

Tgt Ion: 65 Resp: 328729
Ion Ratio Lower Upper
65 100
67 53.3 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: VY023748.D

Acq: 11 Nov 2025 18:21

Instrument :

MSVOA_Y

ClientSampleId :

TP-5-VOC

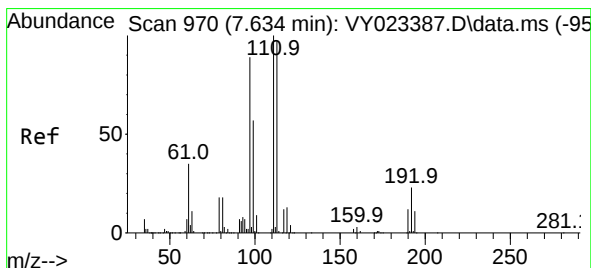
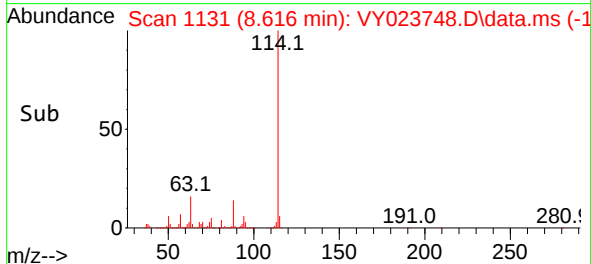
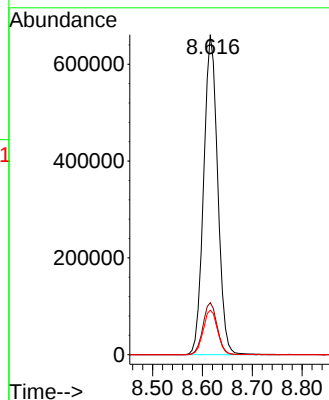
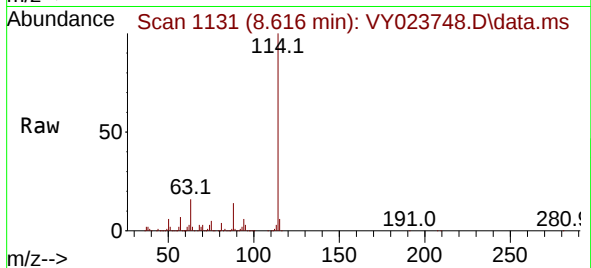
Tgt Ion:114 Resp: 1288378

Ion Ratio Lower Upper

114 100

63 16.2 0.0 34.2

88 13.9 0.0 28.4



#35

Dibromofluoromethane

Concen: 50.625 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023748.D

Acq: 11 Nov 2025 18:21

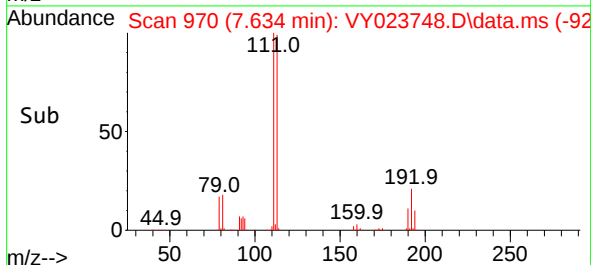
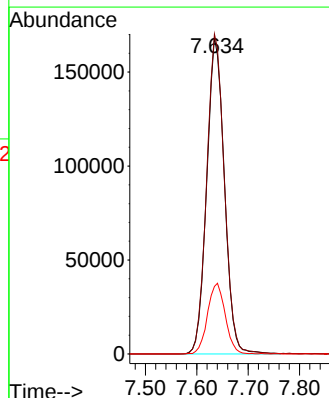
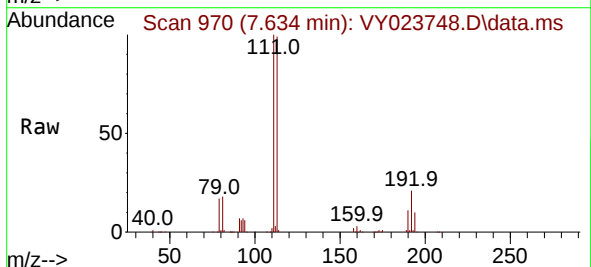
Tgt Ion:113 Resp: 400769

Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.6

192 22.5 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.675 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023748.D

Acq: 11 Nov 2025 18:21

Instrument :

MSVOA_Y

ClientSampleId :

TP-5-VOC

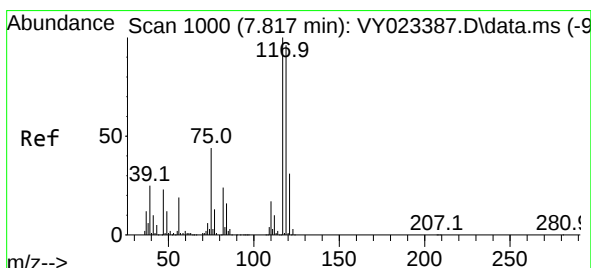
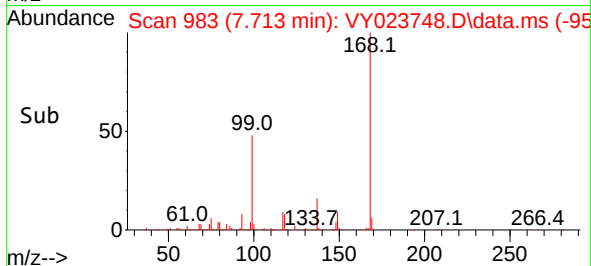
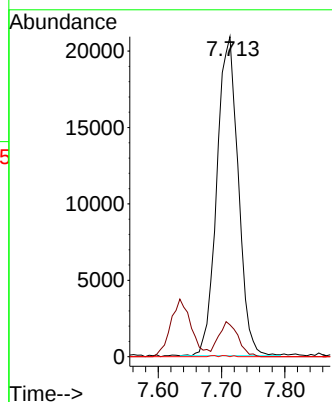
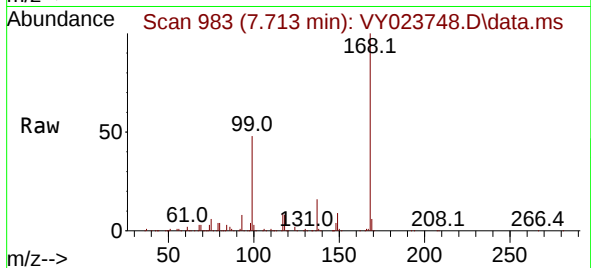
Tgt Ion: 75 Resp: 48994

Ion Ratio Lower Upper

75 100

110 9.8 19.9 59.7#

77 0.2 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.457 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023748.D

Acq: 11 Nov 2025 18:21

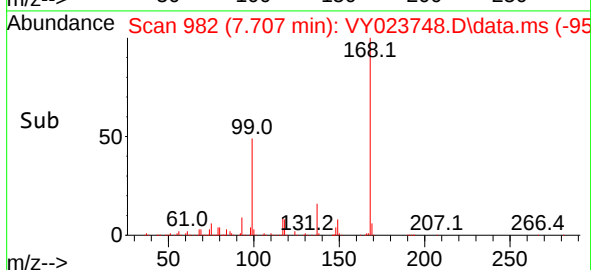
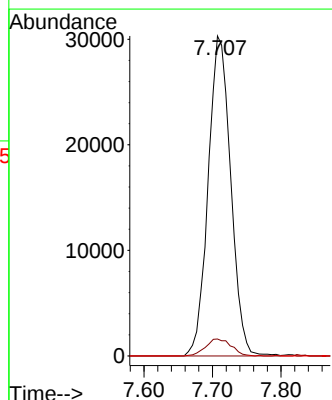
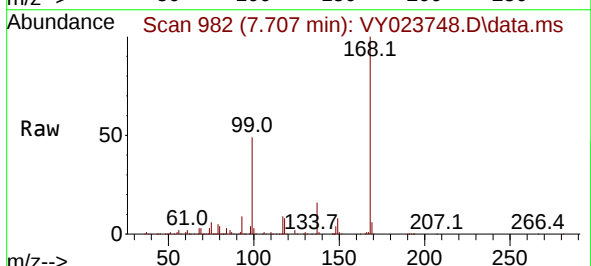
Tgt Ion: 117 Resp: 69349

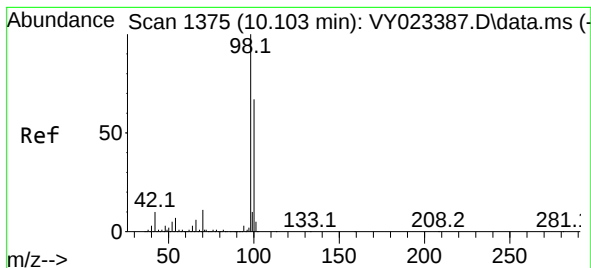
Ion Ratio Lower Upper

117 100

119 5.3 76.8 115.2#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 48.582 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023748.D

Acq: 11 Nov 2025 18:21

Instrument :

MSVOA_Y

ClientSampleId :

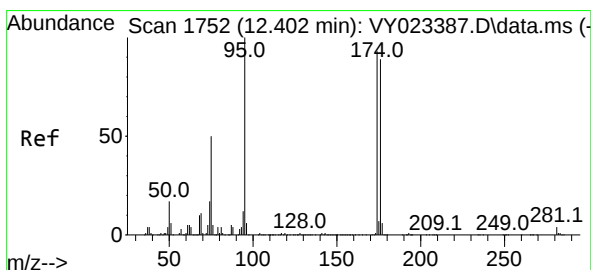
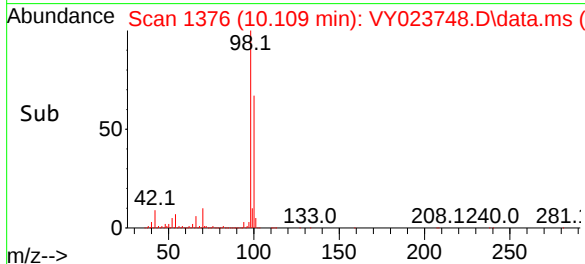
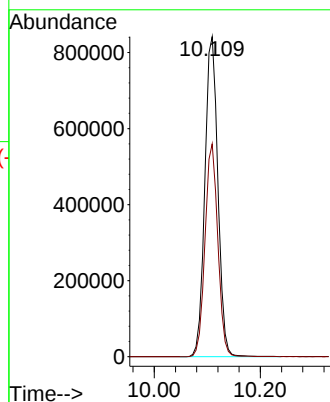
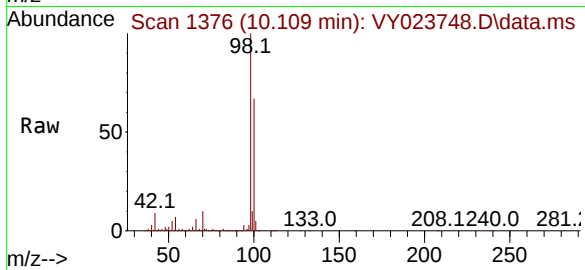
TP-5-VOC

Tgt Ion: 98 Resp: 1432295

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 41.604 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023748.D

Acq: 11 Nov 2025 18:21

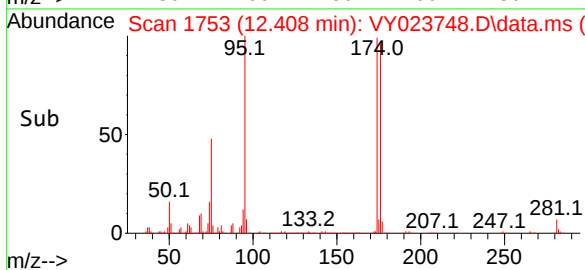
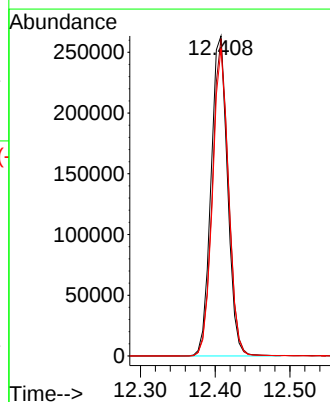
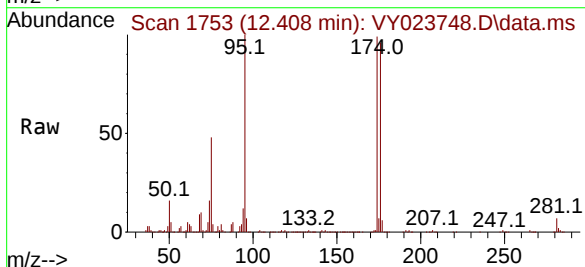
Tgt Ion: 95 Resp: 404947

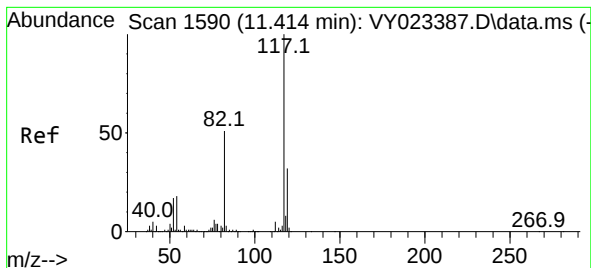
Ion Ratio Lower Upper

95 100

174 96.1 0.0 192.8

176 92.8 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023748.D

Acq: 11 Nov 2025 18:21

Instrument :

MSVOA_Y

ClientSampleId :

TP-5-VOC

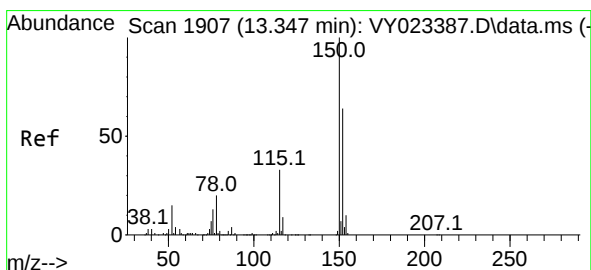
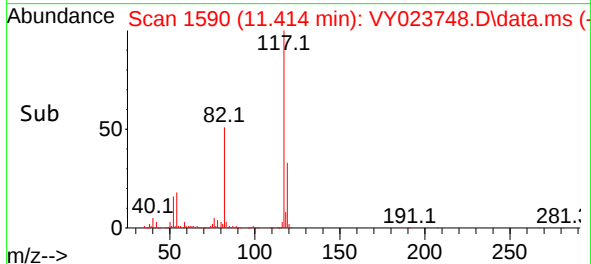
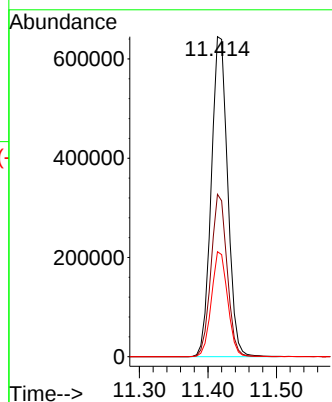
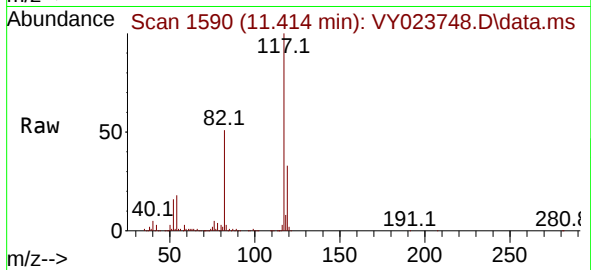
Tgt Ion:117 Resp: 1070383

Ion Ratio Lower Upper

117 100

82 50.7 41.0 61.4

119 32.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023748.D

Acq: 11 Nov 2025 18:21

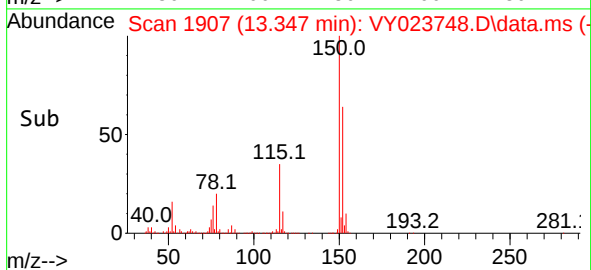
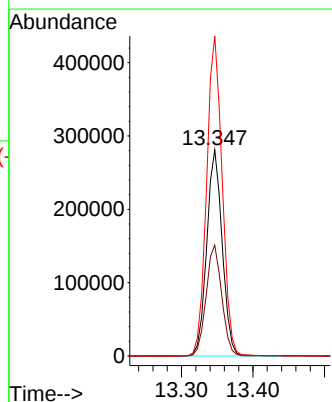
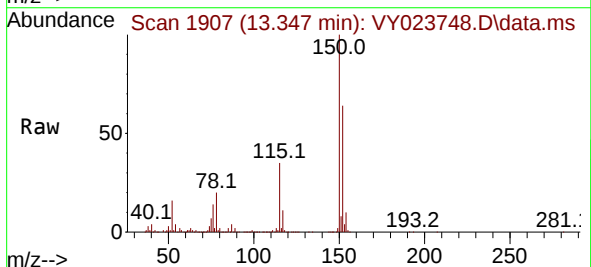
Tgt Ion:152 Resp: 421732

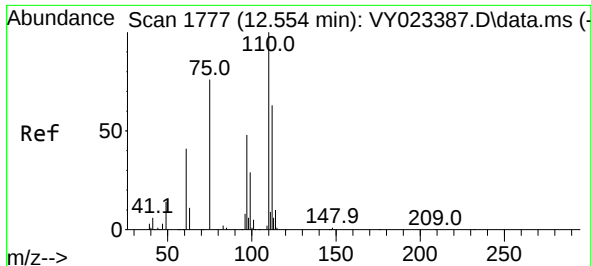
Ion Ratio Lower Upper

152 100

115 54.4 27.1 81.2

150 156.4 0.0 347.4

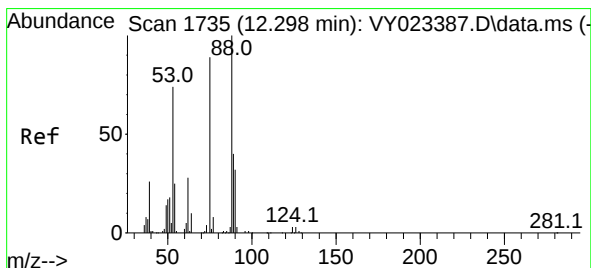
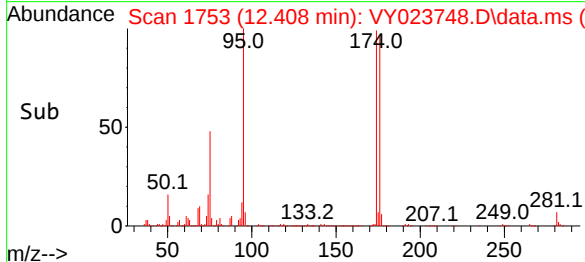
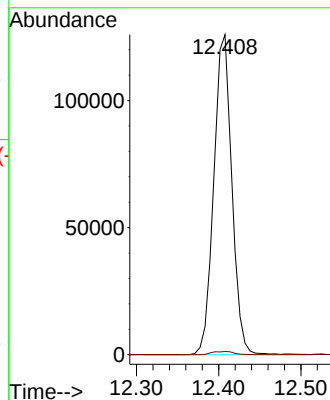
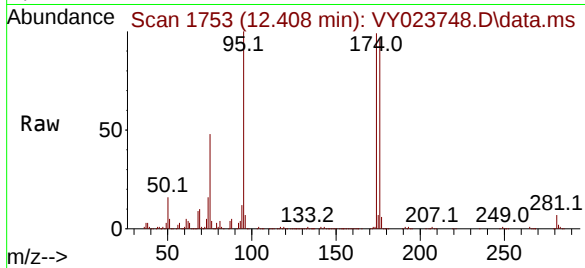




#76
1,2,3-Trichloropropane
Concen: 51.569 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023748.D
Acq: 11 Nov 2025 18:21

Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

Tgt Ion: 75 Resp: 191877
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.456 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023748.D
Acq: 11 Nov 2025 18:21

Tgt Ion: 75 Resp: 191877
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.1 39.0 58.4#

