

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022748.D
 Acq On : 19 Jun 2025 12:14
 Operator : SY/MD
 Sample : Q2296-23
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-6-VOC

Quant Time: Jun 19 15:13:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

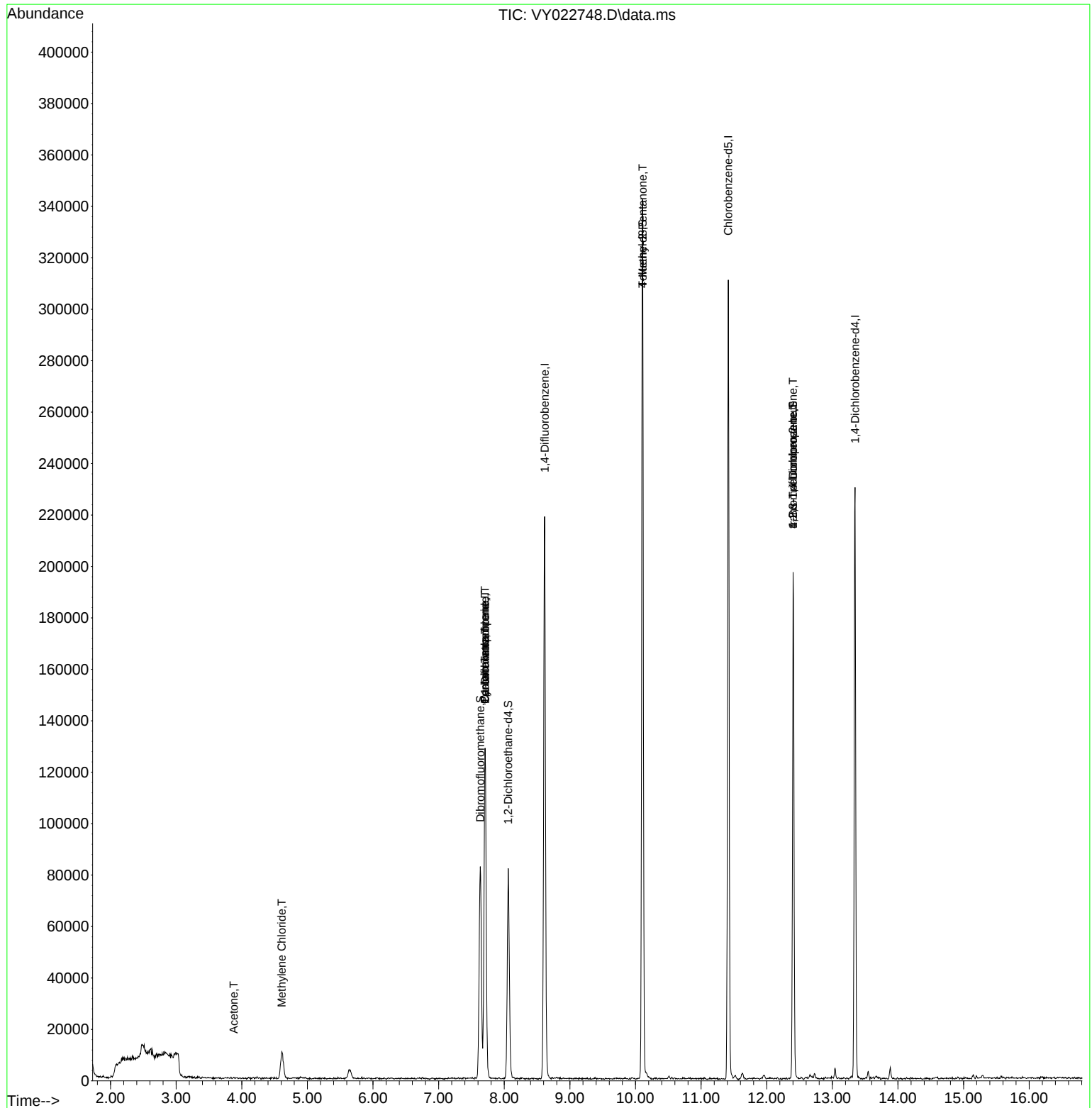
Internal Standards						
1) Pentafluorobenzene	7.707	168	94181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	177324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	151011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	53456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	60577	57.508	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.020%	
35) Dibromofluoromethane	7.634	113	56521	53.402	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.800%	
50) Toluene-d8	10.109	98	217626	50.887	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.780%	
62) 4-Bromofluorobenzene	12.402	95	53186	41.740	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.480%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	350	1.636	ug/l #	45
20) Methylene Chloride	4.610	84	7703	6.339	ug/l #	89
31) Cyclohexane	7.707	56	2856	1.411	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	8431	4.908	ug/l #	51
38) Carbon Tetrachloride	7.707	117	9769	5.544	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	1368	1.658	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	31518	51.537	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	31518	124.460	ug/l #	10

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

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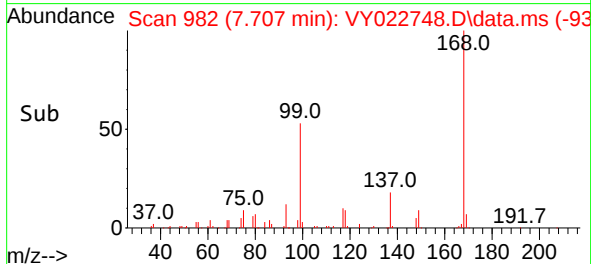
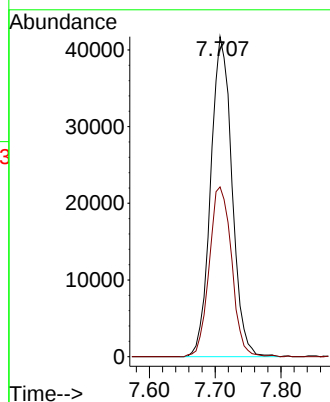
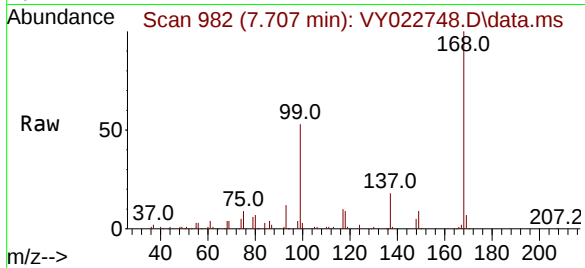




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022748.D
Acq: 19 Jun 2025 12:14

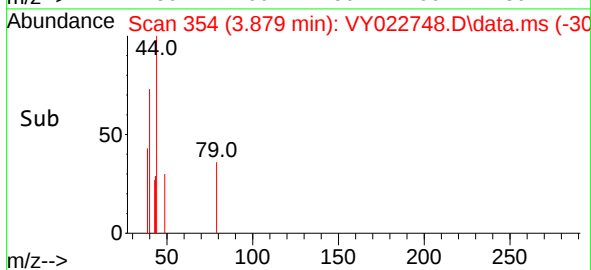
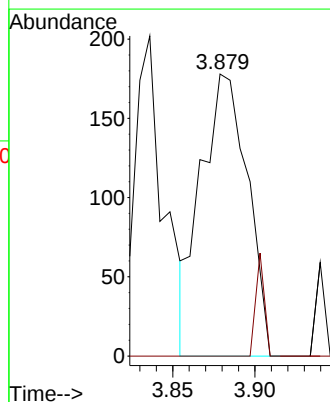
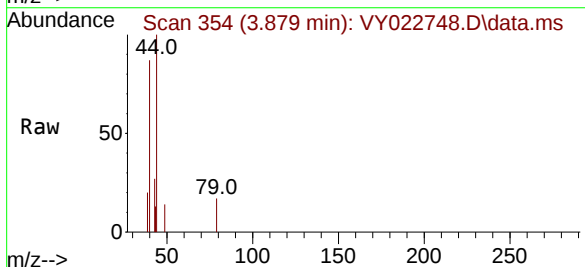
Instrument :
MSVOA_Y
ClientSampleId :
WC-6-VOC

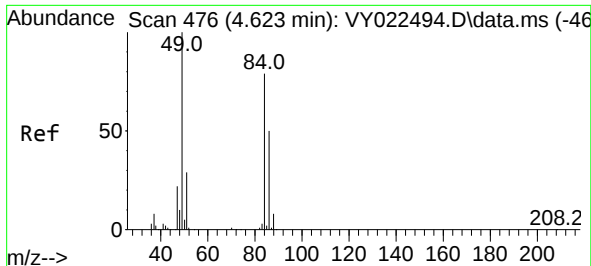
Tgt Ion:168 Resp: 94181
Ion Ratio Lower Upper
168 100
99 53.0 44.3 66.5



#16
Acetone
Concen: 1.636 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022748.D
Acq: 19 Jun 2025 12:14

Tgt Ion: 43 Resp: 350
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#

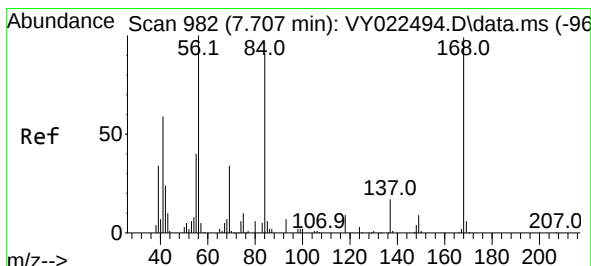
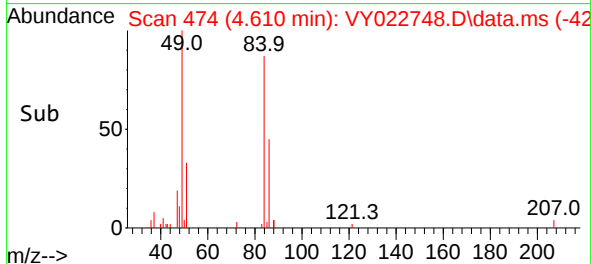
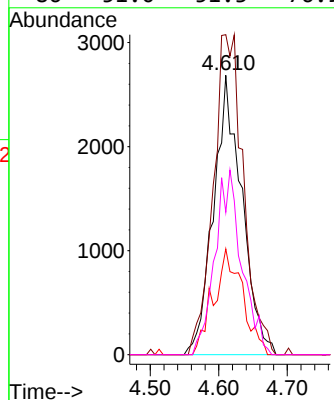
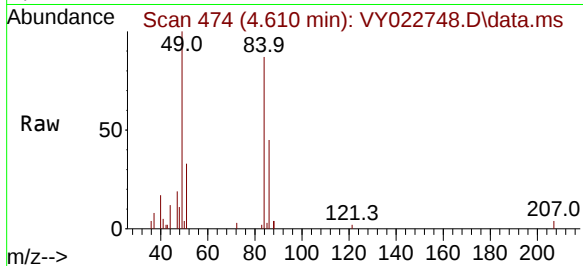




#20
Methylene Chloride
Concen: 6.339 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022748.D
Acq: 19 Jun 2025 12:14

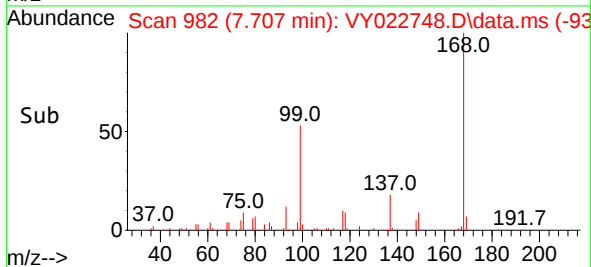
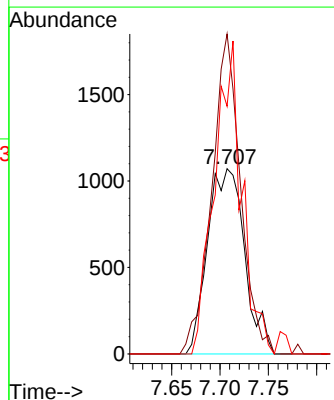
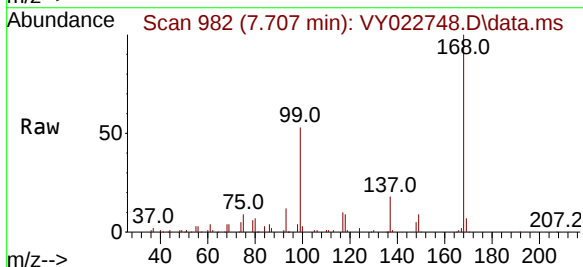
Instrument :
MSVOA_Y
ClientSampleId :
WC-6-VOC

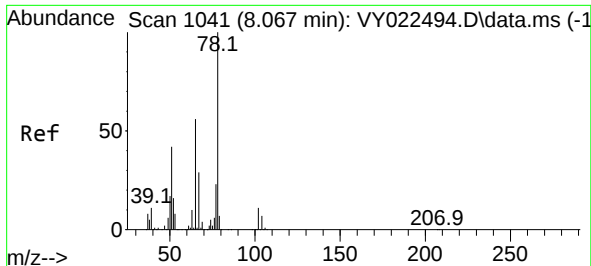
Tgt Ion:	84	Resp:	7703
Ion	Ratio	Lower	Upper
84	100		
49	114.5	101.9	152.9
51	37.9	29.8	44.8
86	51.0	51.3	76.9#



#31
Cyclohexane
Concen: 1.411 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022748.D
Acq: 19 Jun 2025 12:14

Tgt Ion:	56	Resp:	2856
Ion	Ratio	Lower	Upper
56	100		
69	172.7	27.0	40.6#
84	133.7	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 57.508 ug/l

RT: 8.061 min Scan# 1041

Delta R.T. -0.006 min

Lab File: VY022748.D

Acq: 19 Jun 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

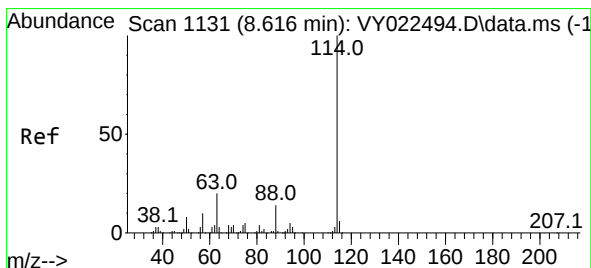
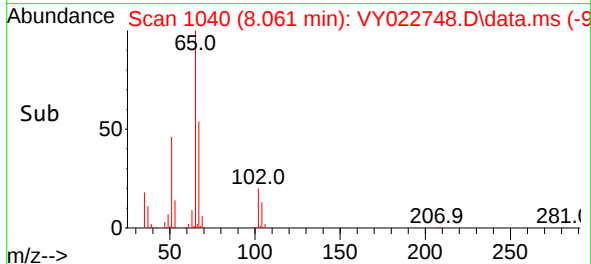
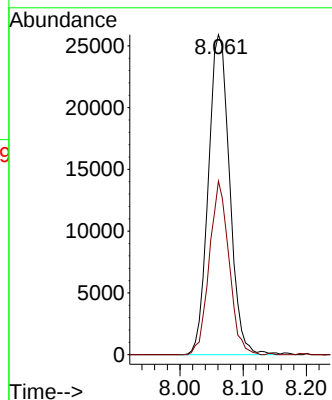
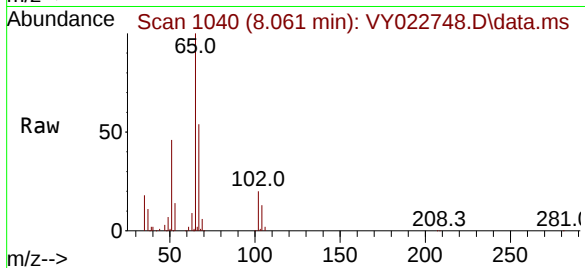
WC-6-VOC

Tgt Ion: 65 Resp: 60577

Ion Ratio Lower Upper

65 100

67 50.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022748.D

Acq: 19 Jun 2025 12:14

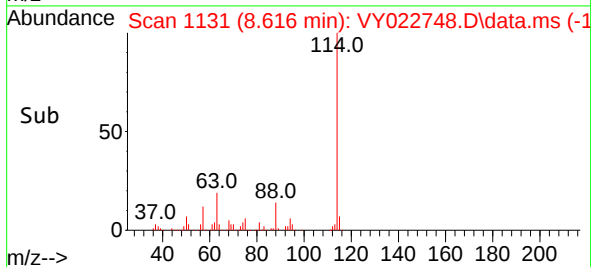
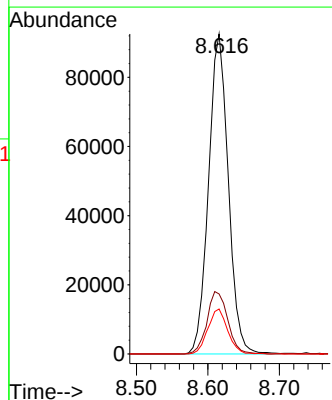
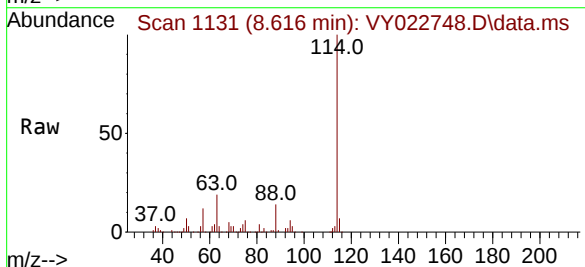
Tgt Ion: 114 Resp: 177324

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.8

88 14.0 0.0 27.8





#35

Dibromofluoromethane

Concen: 53.402 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022748.D

Acq: 19 Jun 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

WC-6-VOC

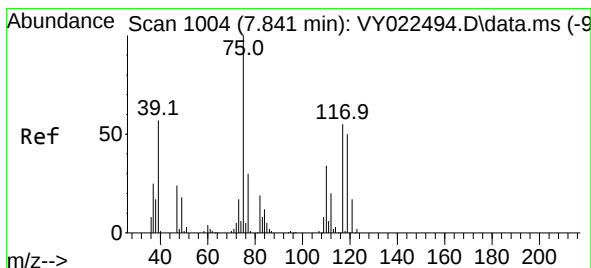
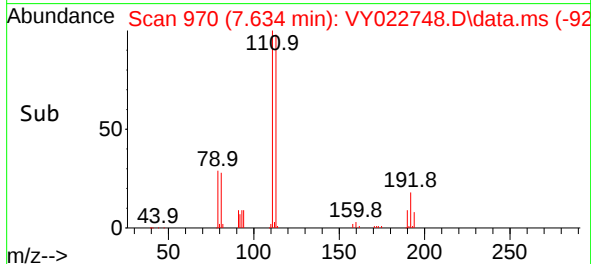
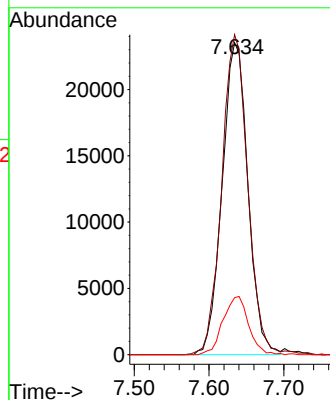
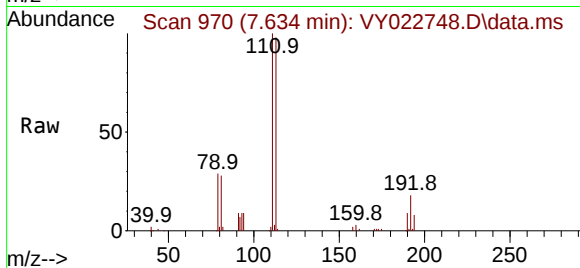
Tgt Ion:113 Resp: 56521

Ion Ratio Lower Upper

113 100

111 103.6 81.1 121.7

192 18.4 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.908 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022748.D

Acq: 19 Jun 2025 12:14

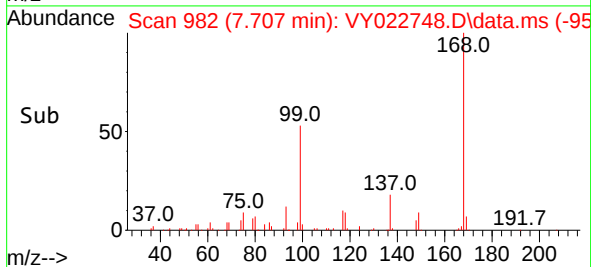
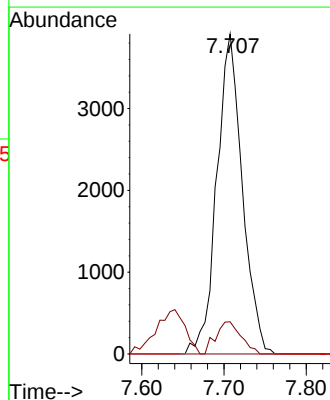
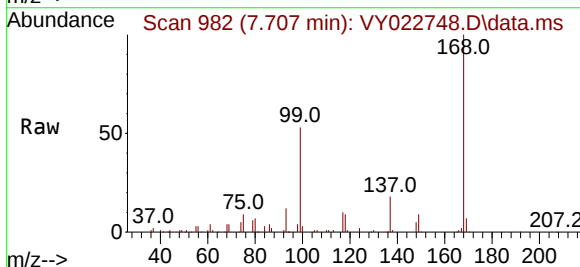
Tgt Ion: 75 Resp: 8431

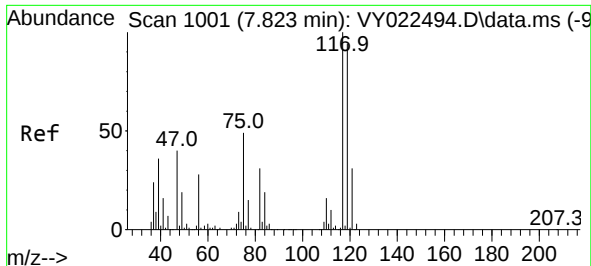
Ion Ratio Lower Upper

75 100

110 9.9 16.9 50.7#

77 0.0 24.8 37.2#

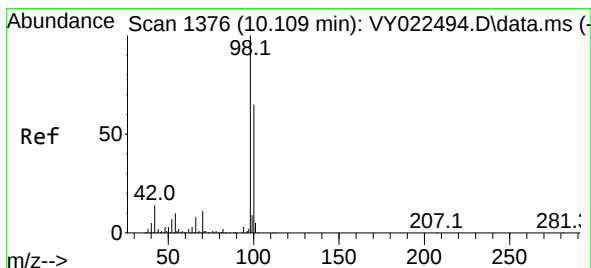
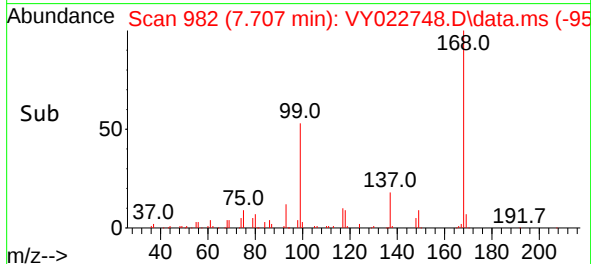
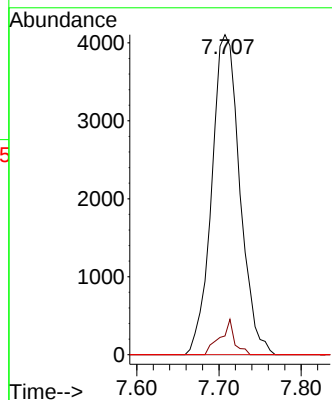
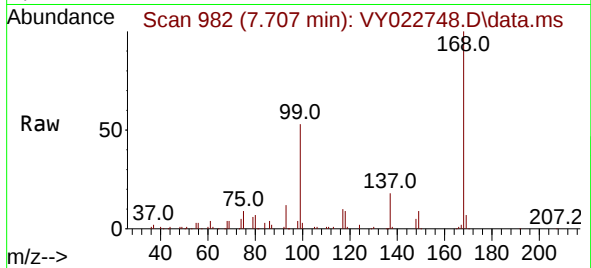




#38
Carbon Tetrachloride
Concen: 5.544 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022748.D
Acq: 19 Jun 2025 12:14

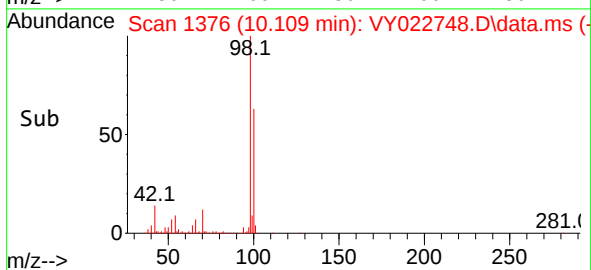
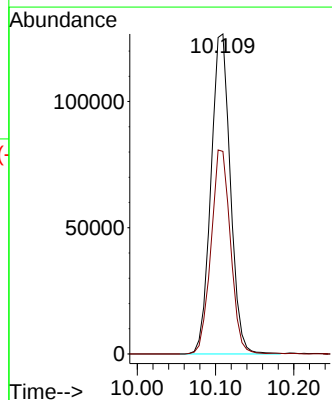
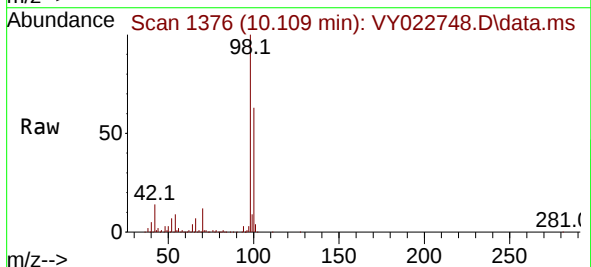
Instrument :
MSVOA_Y
ClientSampleId :
WC-6-VOC

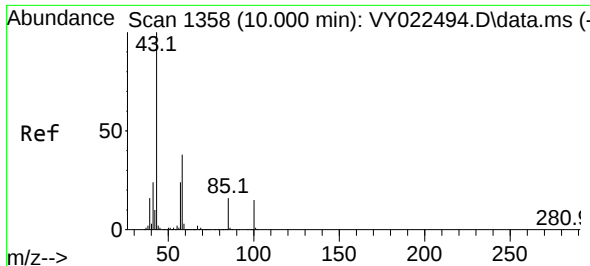
Tgt Ion:117 Resp: 9769
Ion Ratio Lower Upper
117 100
119 5.9 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.887 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022748.D
Acq: 19 Jun 2025 12:14

Tgt Ion: 98 Resp: 217626
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0

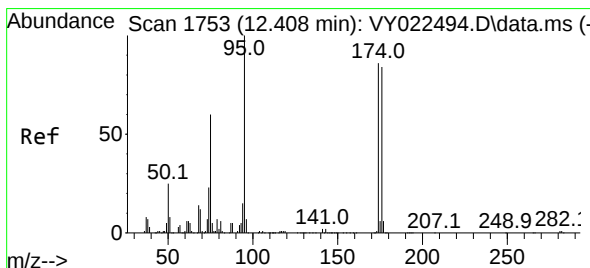
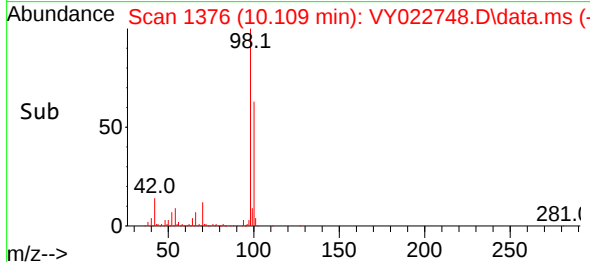
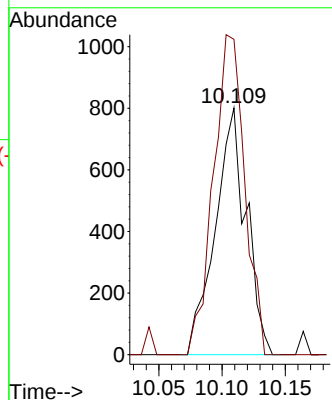
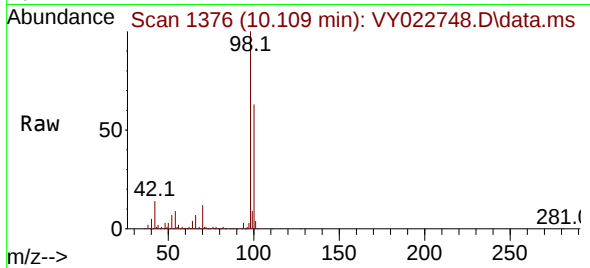




#51
4-Methyl-2-Pentanone
Concen: 1.658 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY022748.D
Acq: 19 Jun 2025 12:14

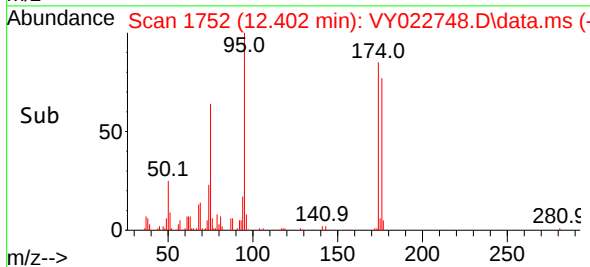
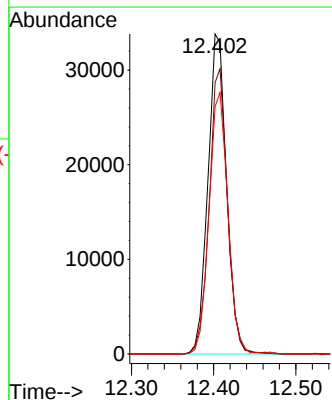
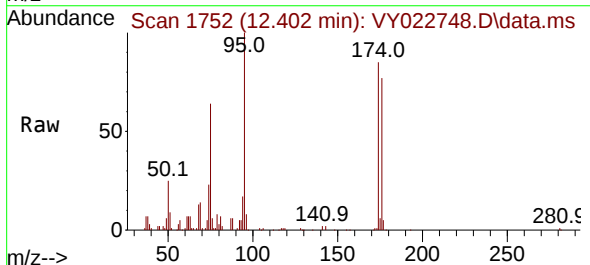
Instrument :
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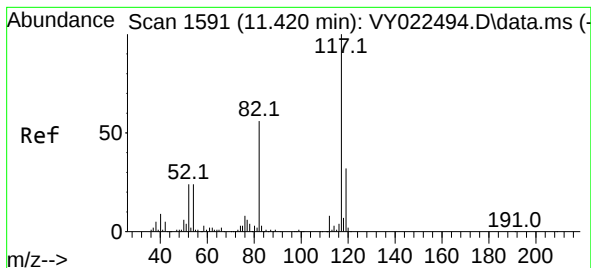
Tgt Ion: 43 Resp: 1368
Ion Ratio Lower Upper
43 100
58 130.8 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 41.740 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022748.D
Acq: 19 Jun 2025 12:14

Tgt Ion: 95 Resp: 53186
Ion Ratio Lower Upper
95 100
174 87.4 0.0 170.0
176 83.2 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022748.D

Acq: 19 Jun 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

WC-6-VOC

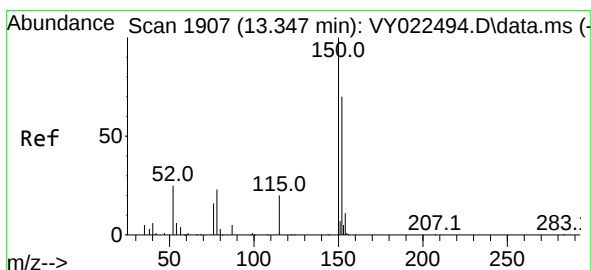
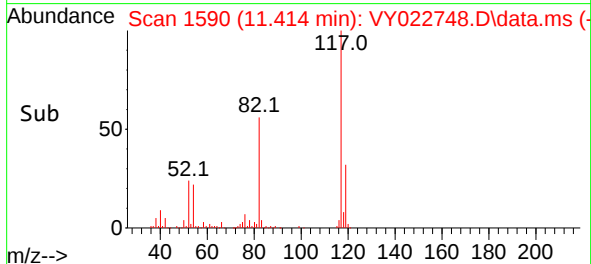
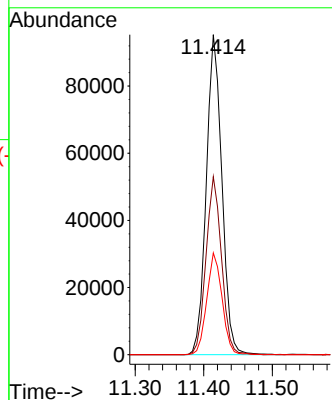
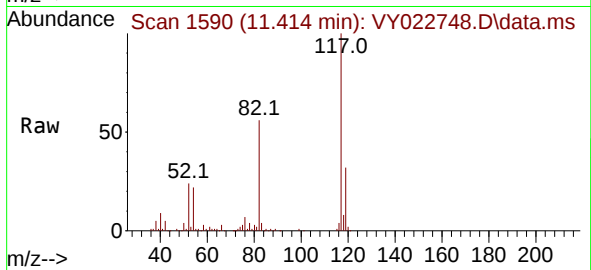
Tgt Ion:117 Resp: 151011

Ion Ratio Lower Upper

117 100

82 55.6 44.6 66.8

119 31.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022748.D

Acq: 19 Jun 2025 12:14

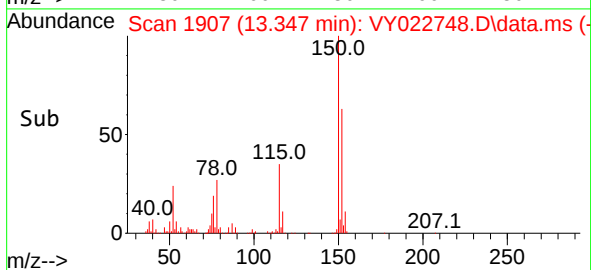
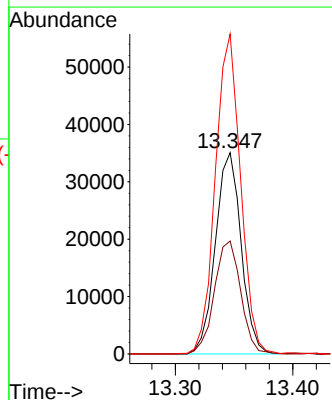
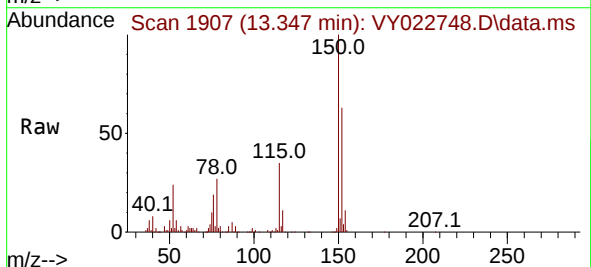
Tgt Ion:152 Resp: 53456

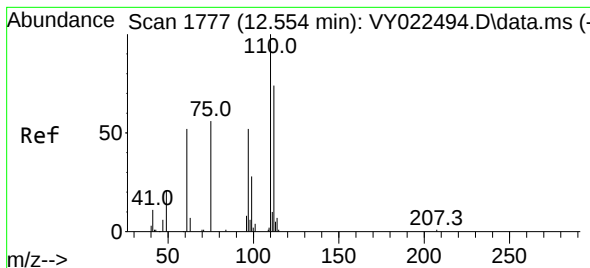
Ion Ratio Lower Upper

152 100

115 57.4 28.9 86.7

150 156.0 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 51.537 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022748.D

Acq: 19 Jun 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

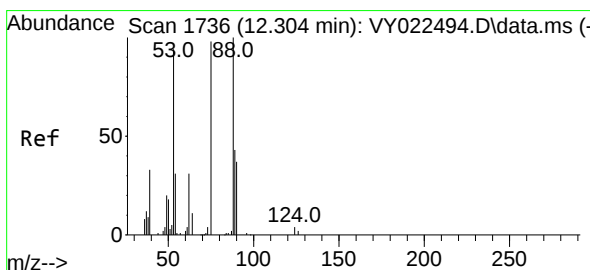
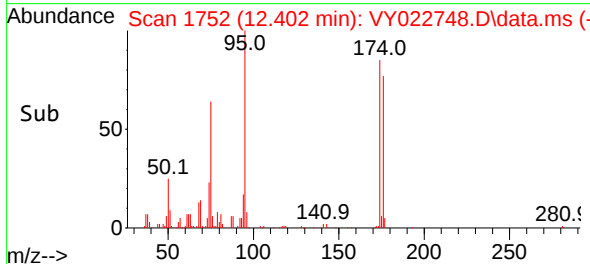
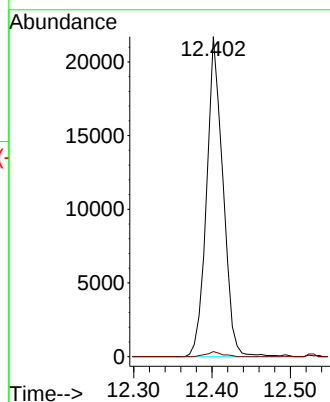
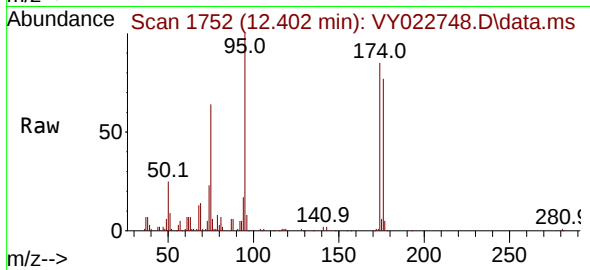
WC-6-VOC

Tgt Ion: 75 Resp: 31518

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.460 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY022748.D

Acq: 19 Jun 2025 12:14

Tgt Ion: 75 Resp: 31518

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 35.7 53.5#

