

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022547.D
 Acq On : 04 Jun 2025 13:50
 Operator : SY/MD
 Sample : Q2194-01
 Misc : 5.24g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-12

Quant Time: Jun 05 04:15:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

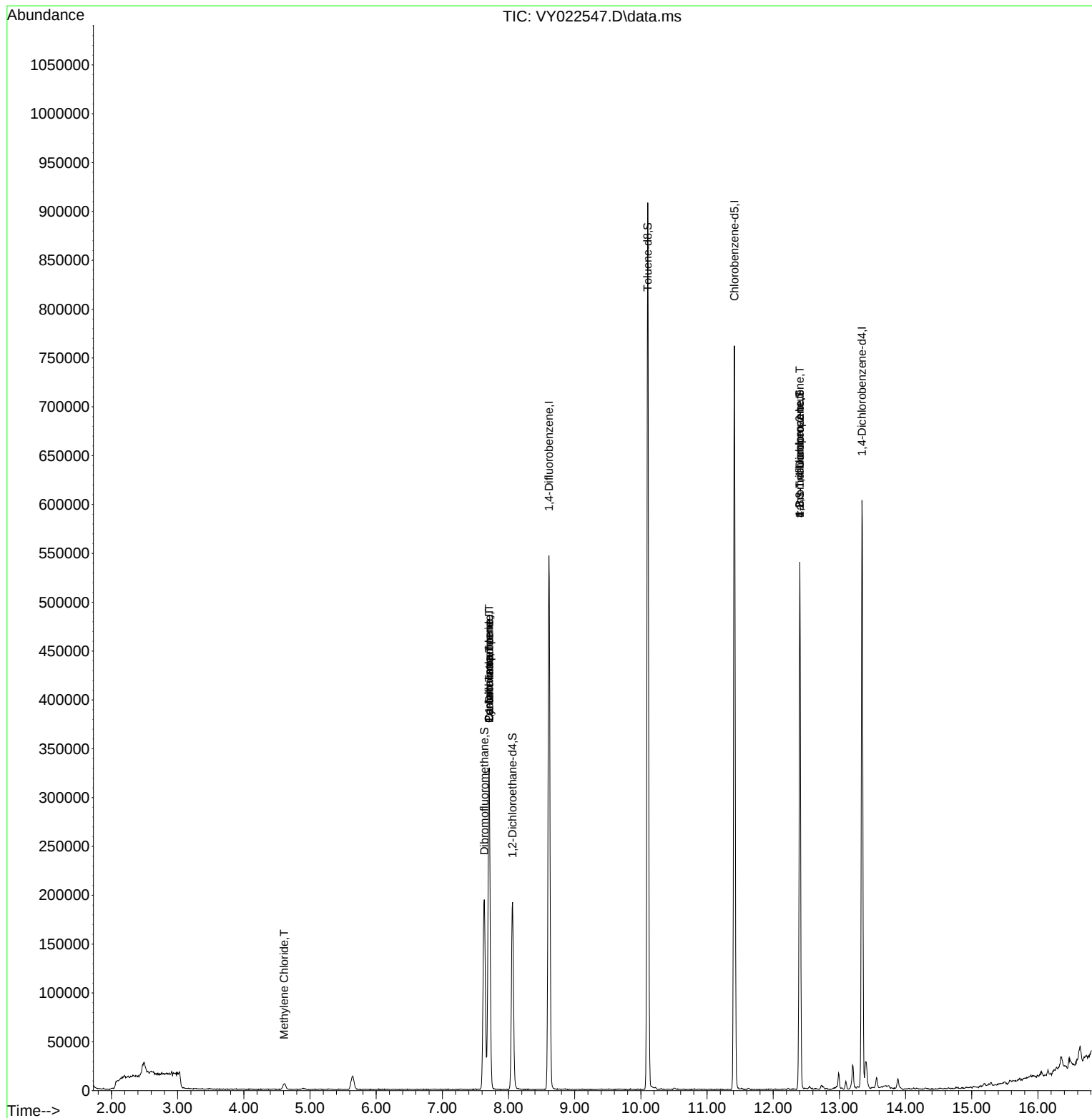
Internal Standards						
1) Pentafluorobenzene	7.707	168	244545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	451237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	367876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	140312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	145073	53.041	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.080%	
35) Dibromofluoromethane	7.634	113	133969	49.741	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.480%	
50) Toluene-d8	10.103	98	543765	49.965	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.940%	
62) 4-Bromofluorobenzene	12.401	95	141891	43.759	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.520%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	3827	1.213	ug/l #	82
31) Cyclohexane	7.707	56	7139	1.358	ug/l #	40
36) 1,1-Dichloropropene	7.707	75	22653	5.182	ug/l #	50
38) Carbon Tetrachloride	7.707	117	25568	5.702	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	85272	53.122	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	85272	128.286	ug/l #	11

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

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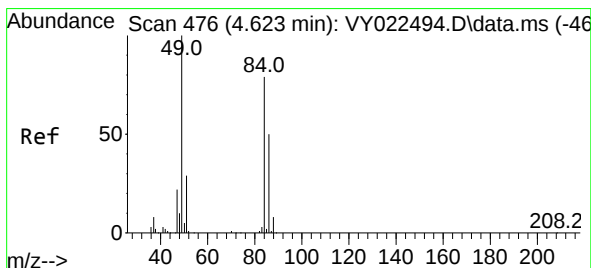
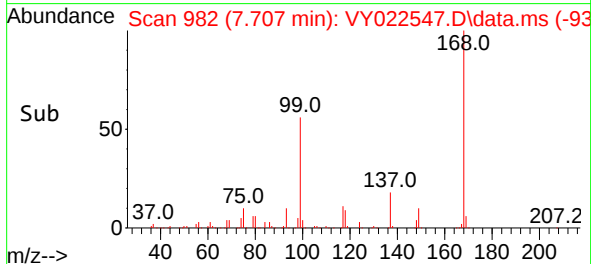
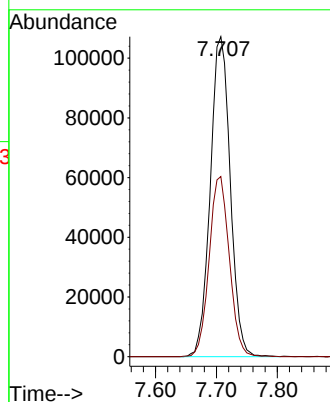
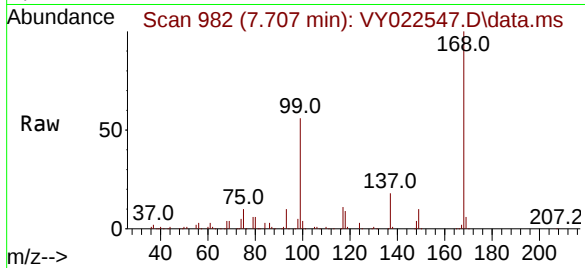




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022547.D
Acq: 04 Jun 2025 13:50

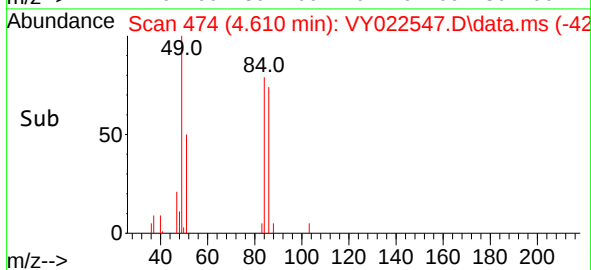
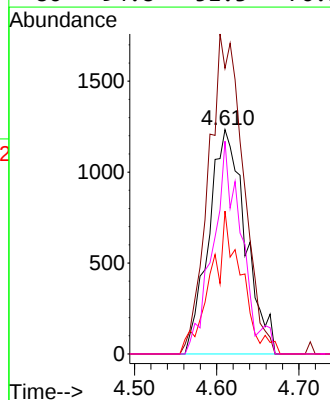
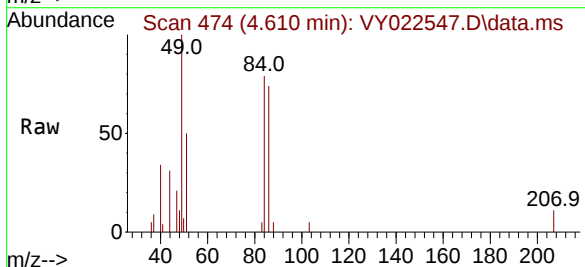
Instrument :
MSVOA_Y
ClientSampleId :
COMP-12

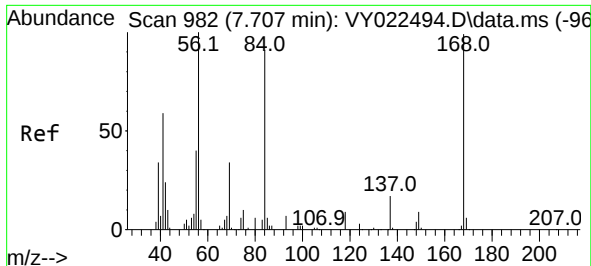
Tgt Ion:168 Resp: 244545
Ion Ratio Lower Upper
168 100
99 56.3 44.3 66.5



#20
Methylene Chloride
Concen: 1.213 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022547.D
Acq: 04 Jun 2025 13:50

Tgt Ion: 84 Resp: 3827
Ion Ratio Lower Upper
84 100
49 127.3 101.9 152.9
51 63.7 29.8 44.8#
86 94.8 51.3 76.9#

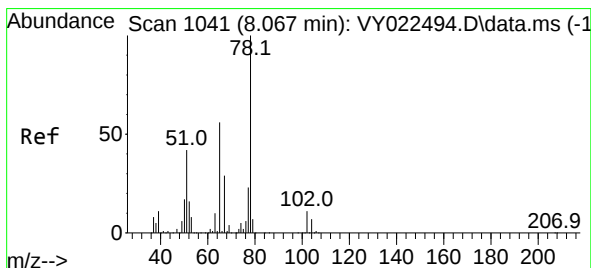
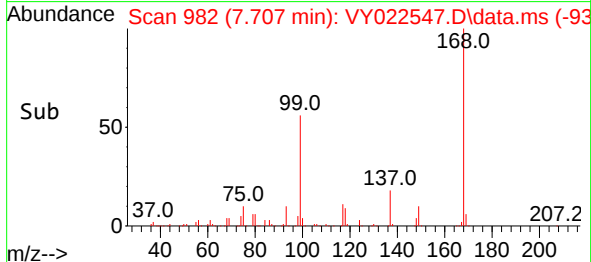
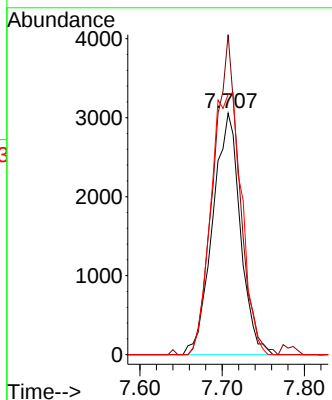
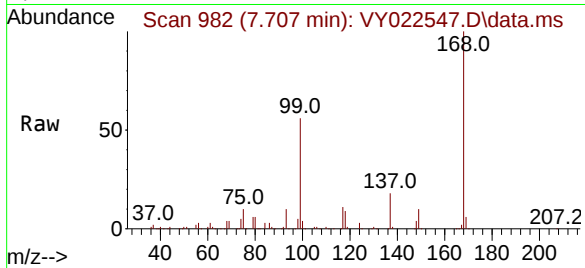




#31
Cyclohexane
Concen: 1.358 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022547.D
Acq: 04 Jun 2025 13:50

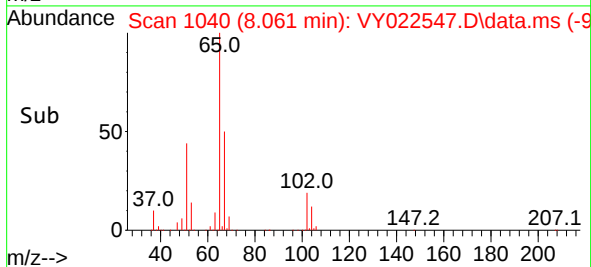
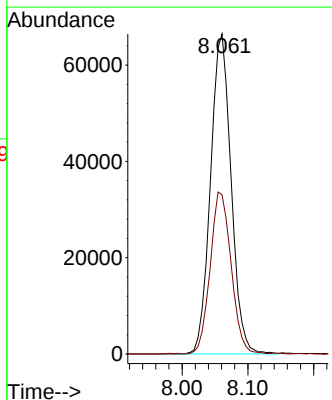
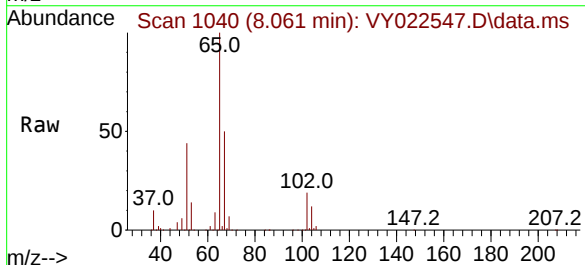
Instrument :
MSVOA_Y
ClientSampleId :
COMP-12

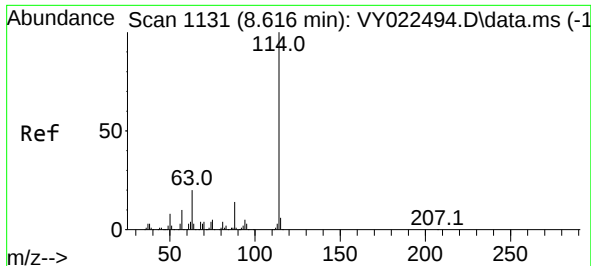
Tgt Ion: 56 Resp: 7139
Ion Ratio Lower Upper
56 100
69 132.6 27.0 40.6#
84 107.8 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 53.041 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022547.D
Acq: 04 Jun 2025 13:50

Tgt Ion: 65 Resp: 145073
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022547.D

Acq: 04 Jun 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

COMP-12

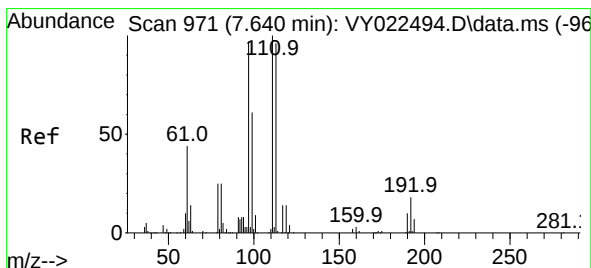
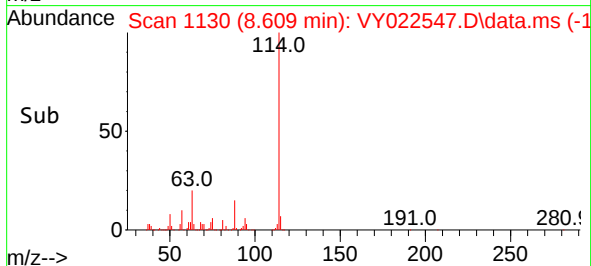
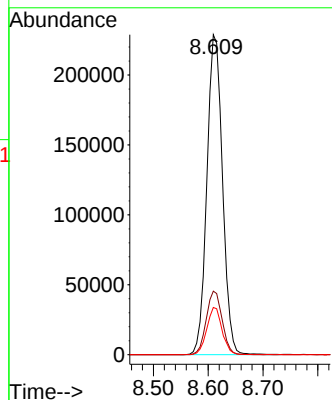
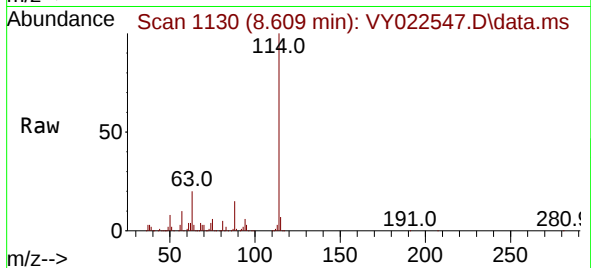
Tgt Ion:114 Resp: 451237

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 14.8 0.0 27.8



#35

Dibromofluoromethane

Concen: 49.741 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022547.D

Acq: 04 Jun 2025 13:50

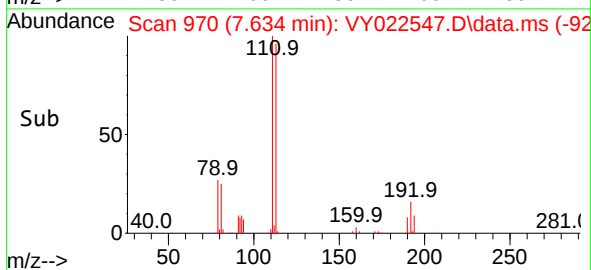
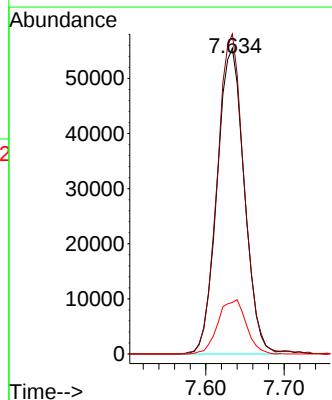
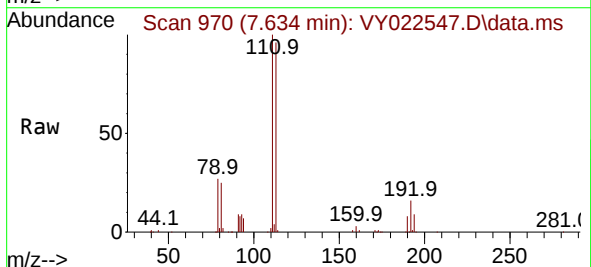
Tgt Ion:113 Resp: 133969

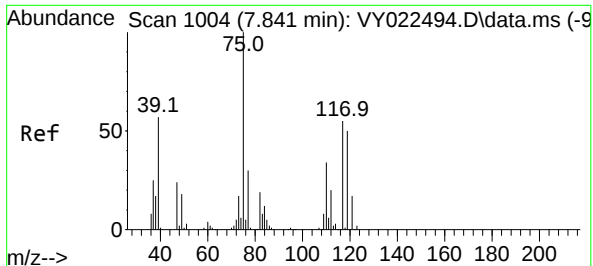
Ion Ratio Lower Upper

113 100

111 103.7 81.1 121.7

192 18.3 14.2 21.2

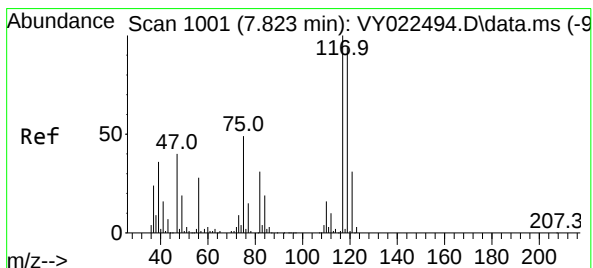
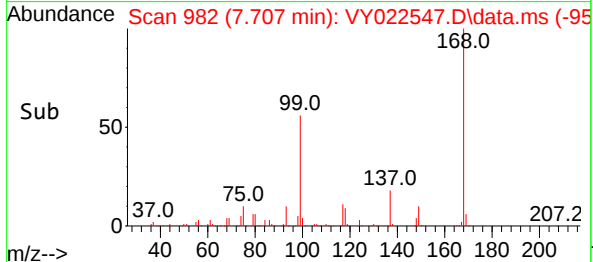
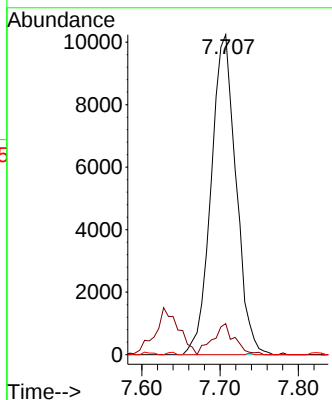
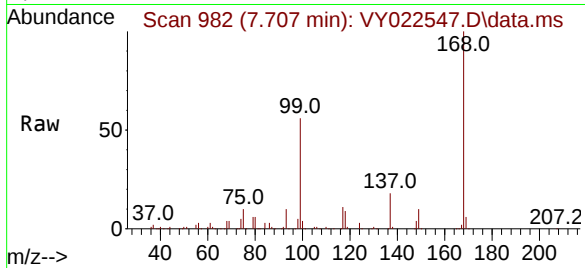




#36
 1,1-Dichloropropene
 Concen: 5.182 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY022547.D
 Acq: 04 Jun 2025 13:50

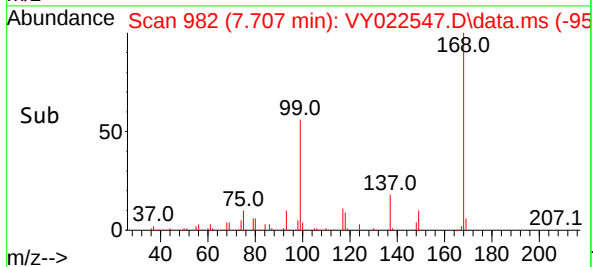
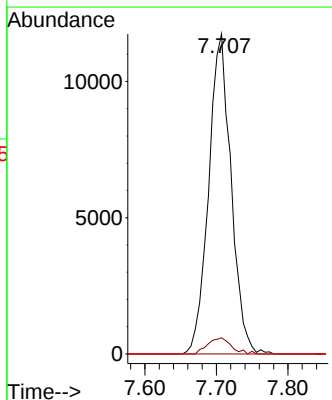
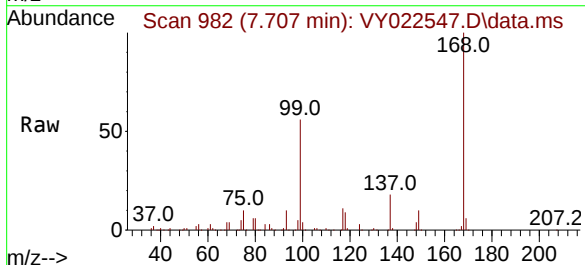
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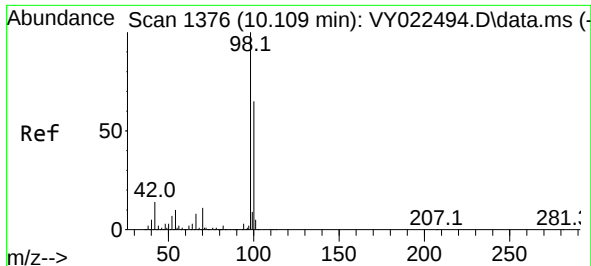
Tgt Ion: 75 Resp: 22653
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.9 50.7#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.702 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.116 min
 Lab File: VY022547.D
 Acq: 04 Jun 2025 13:50

Tgt Ion: 117 Resp: 25568
 Ion Ratio Lower Upper
 117 100
 119 5.1 75.0 112.6#
 121 0.0 25.0 37.4#

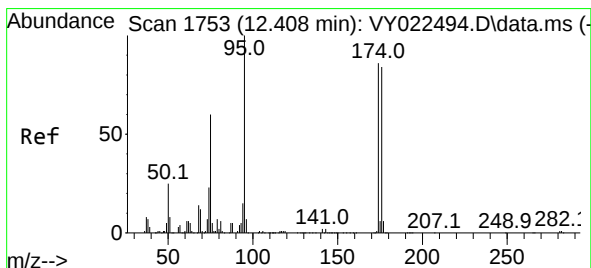
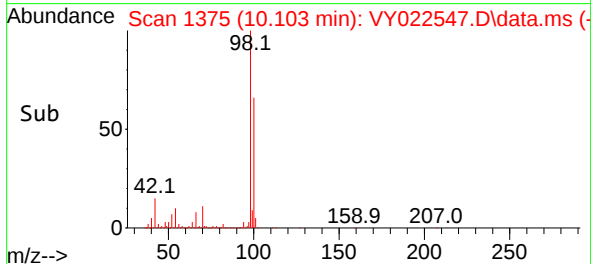
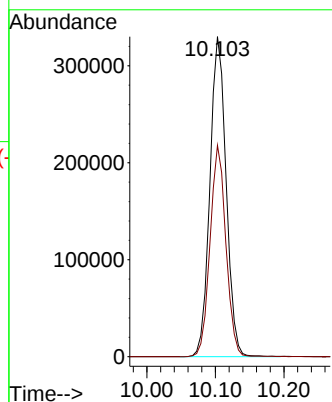
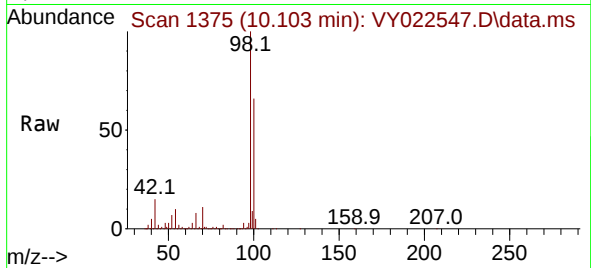




#50
Toluene-d8
Concen: 49.965 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022547.D
Acq: 04 Jun 2025 13:50

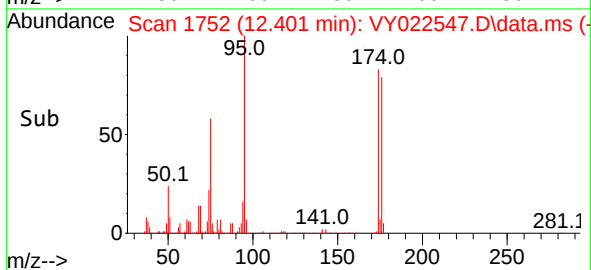
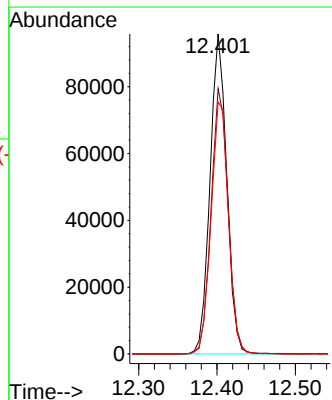
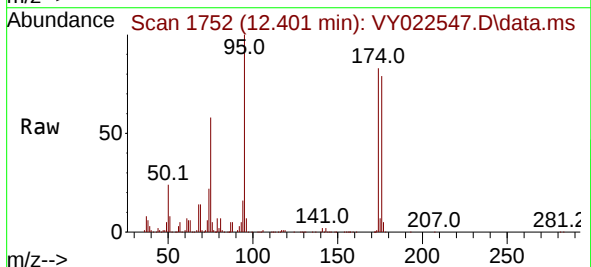
Instrument :
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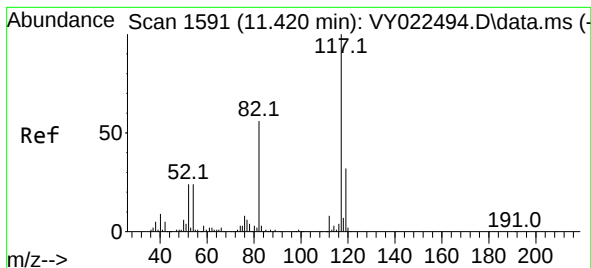
Tgt Ion: 98 Resp: 543765
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.759 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022547.D
Acq: 04 Jun 2025 13:50

Tgt Ion: 95 Resp: 141891
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.0
176 82.0 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022547.D

Acq: 04 Jun 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

COMP-12

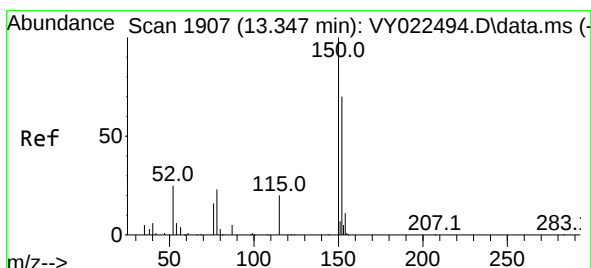
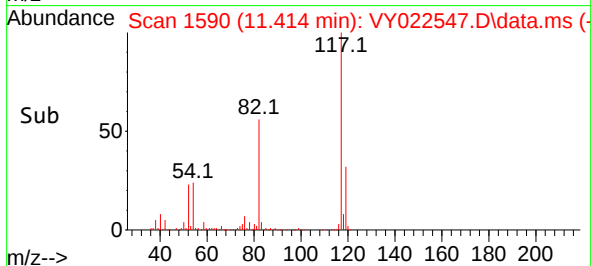
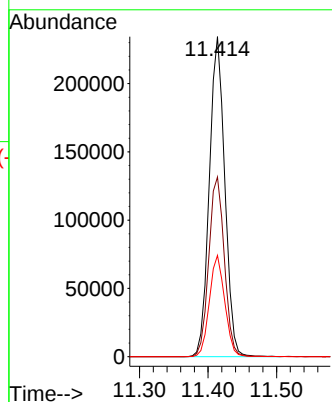
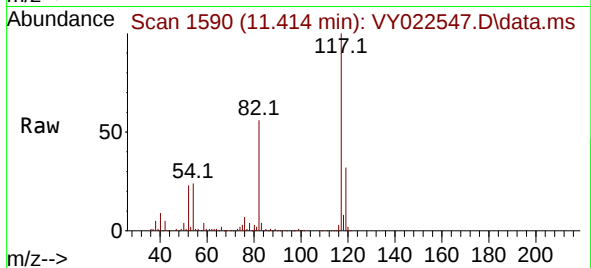
Tgt Ion:117 Resp: 367876

Ion Ratio Lower Upper

117 100

82 56.2 44.6 66.8

119 31.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022547.D

Acq: 04 Jun 2025 13:50

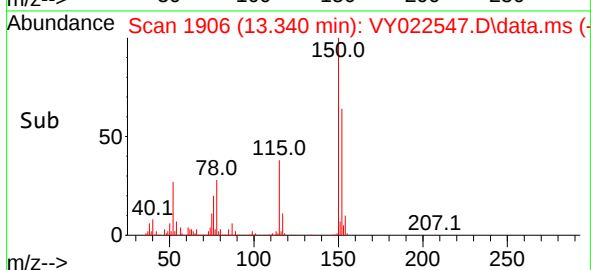
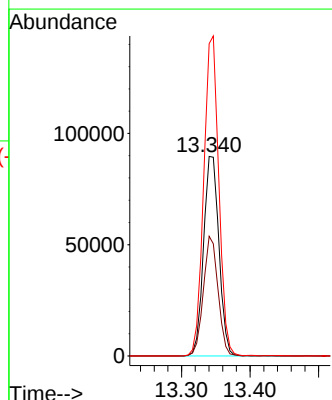
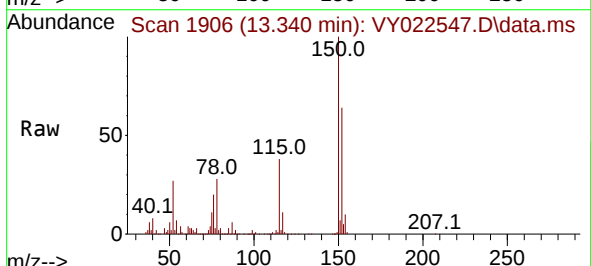
Tgt Ion:152 Resp: 140312

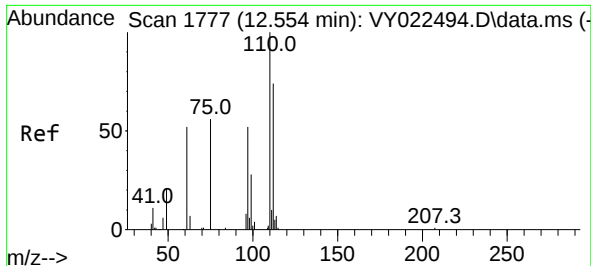
Ion Ratio Lower Upper

152 100

115 57.2 28.9 86.7

150 157.0 0.0 349.6

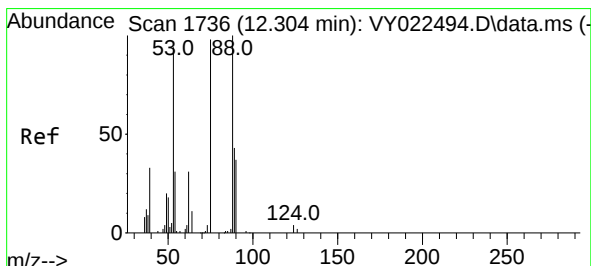
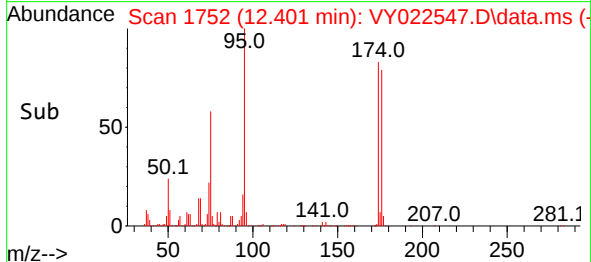
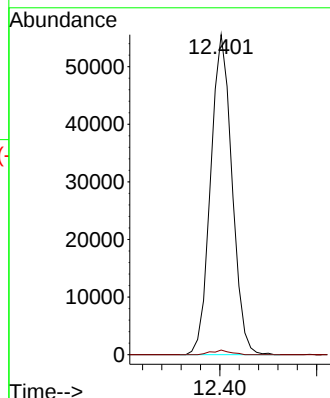
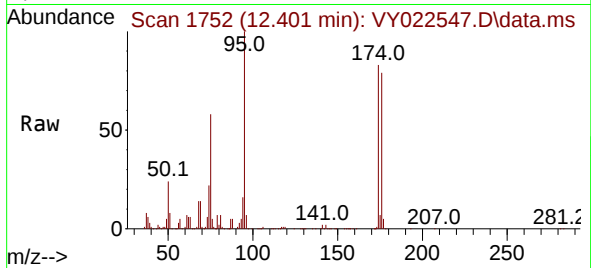




#76
1,2,3-Trichloropropane
Concen: 53.122 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022547.D
Acq: 04 Jun 2025 13:50

Instrument :
MSVOA_Y
ClientSampleId :
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Tgt Ion: 75 Resp: 85272
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.286 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022547.D
Acq: 04 Jun 2025 13:50

Tgt Ion: 75 Resp: 85272
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.0 35.7 53.5#

