

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022566.D
 Acq On : 05 Jun 2025 11:59
 Operator : SY/MD
 Sample : Q2194-03
 Misc : 6.38g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-13

Quant Time: Jun 06 01:22:46 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)

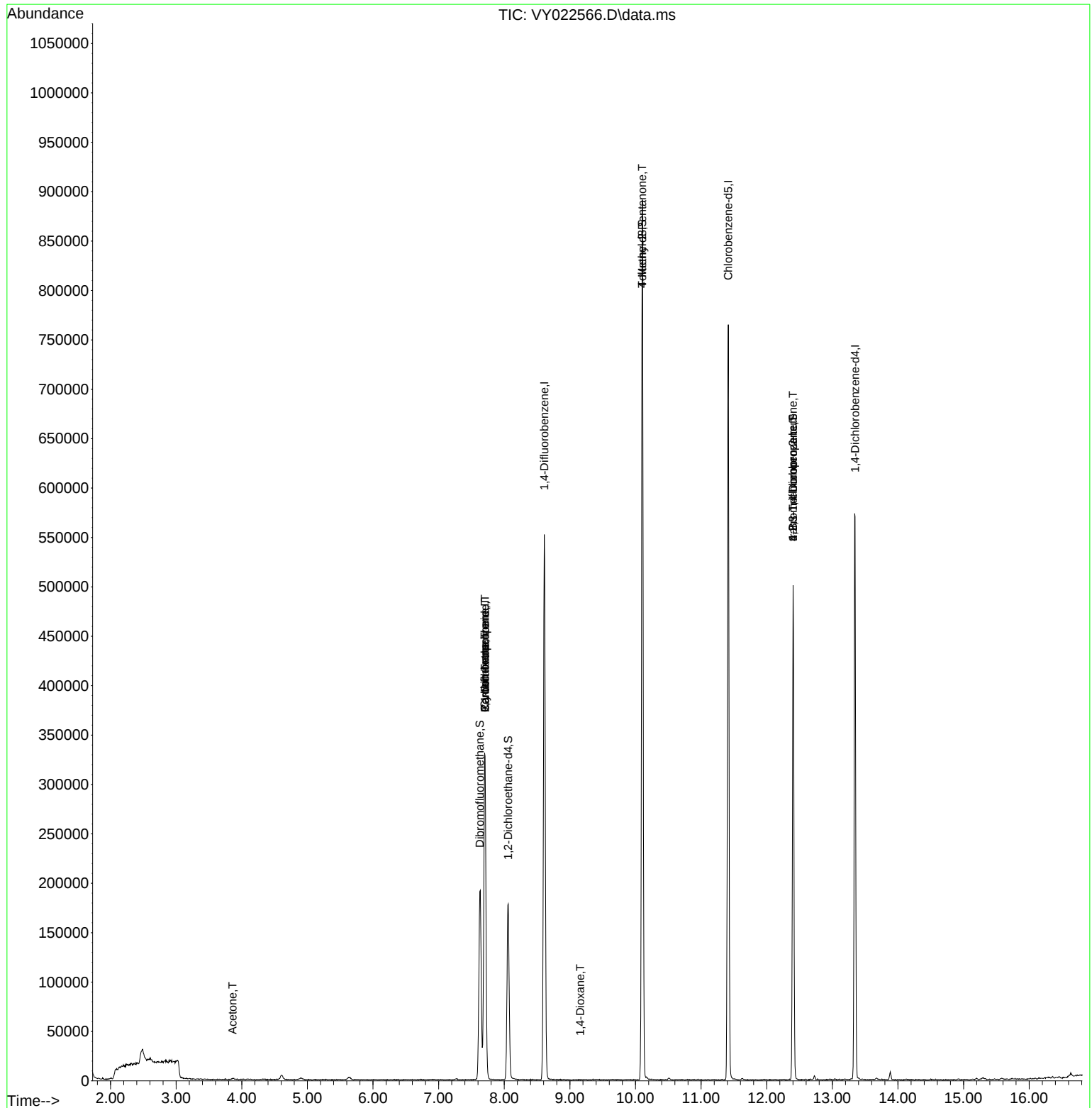
Internal Standards						
1) Pentafluorobenzene	7.707	168	247001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	450574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	364195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	134019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137113	49.632	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.260%
35) Dibromofluoromethane	7.628	113	134423	49.983	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.960%
50) Toluene-d8	10.103	98	546591	50.299	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.600%
62) 4-Bromofluorobenzene	12.402	95	136630	42.199	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.400%
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	1645	2.932	ug/l	90
31) Cyclohexane	7.701	56	6714	1.265	ug/l #	46
36) 1,1-Dichloropropene	7.707	75	22350	5.120	ug/l #	50
38) Carbon Tetrachloride	7.707	117	25891	5.782	ug/l #	17
49) 1,4-Dioxane	9.158	88	69	3.398	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	2951	1.408	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	82370	53.723	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	82370	129.739	ug/l #	10

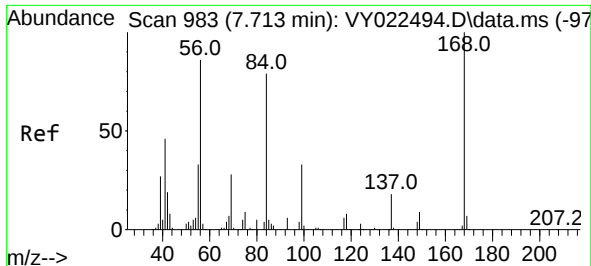
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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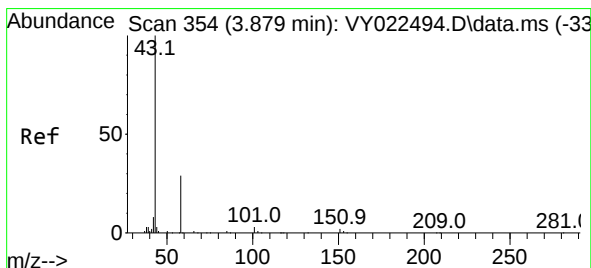
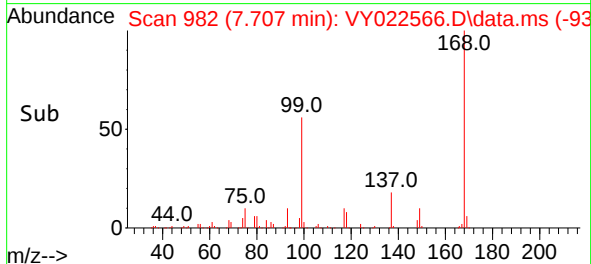
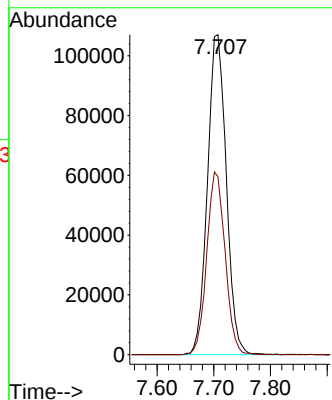
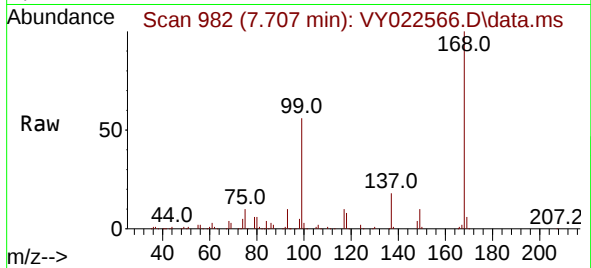




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

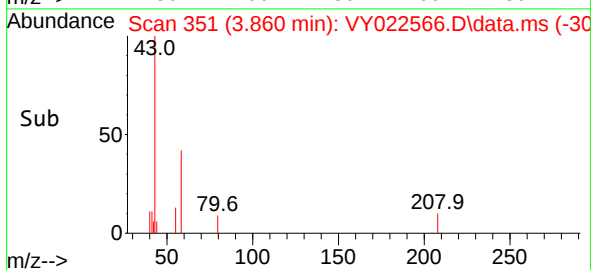
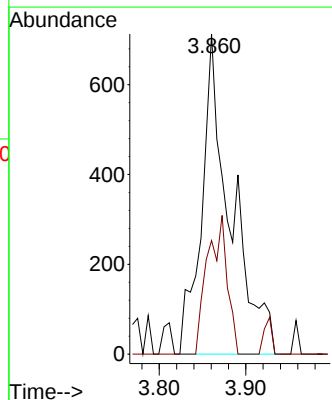
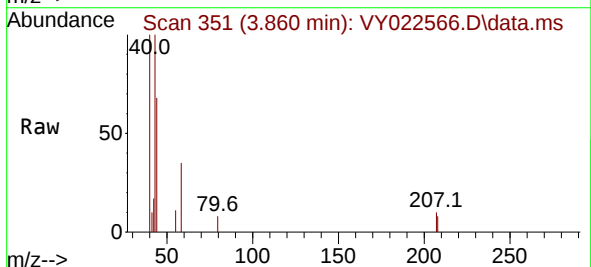
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MSVOA_Y
ClientSampleId :
COMP-13

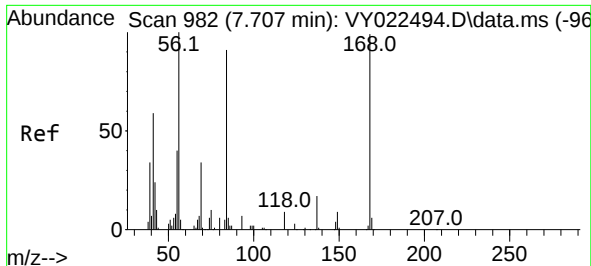
Tgt Ion:168 Resp: 247001
Ion Ratio Lower Upper
168 100
99 55.6 44.3 66.5



#16
Acetone
Concen: 2.932 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

Tgt Ion: 43 Resp: 1645
Ion Ratio Lower Upper
43 100
58 35.5 24.0 36.0

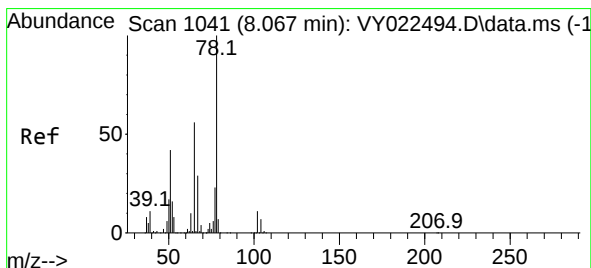
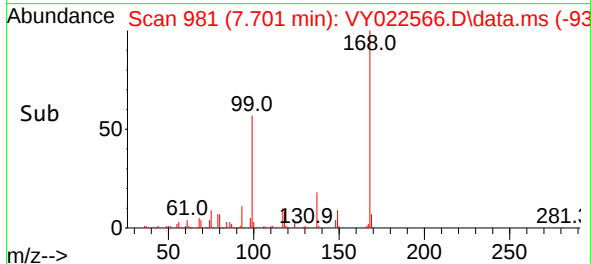
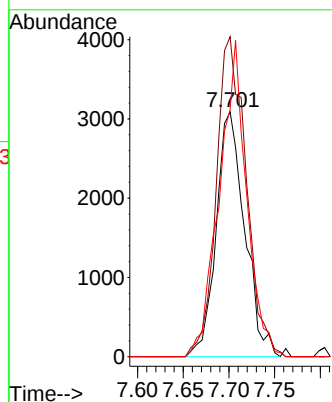
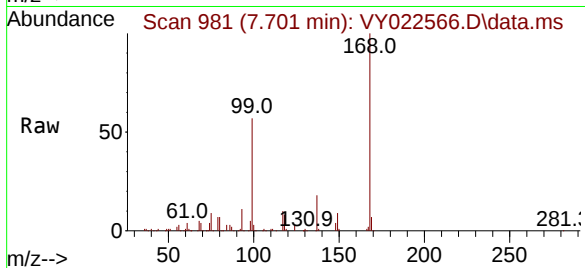




#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

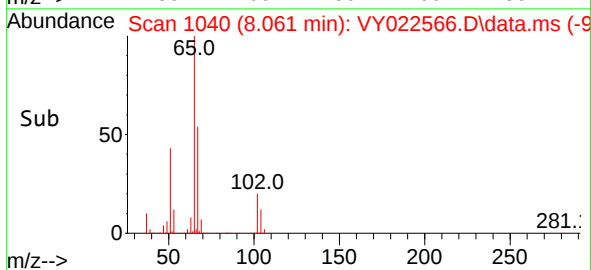
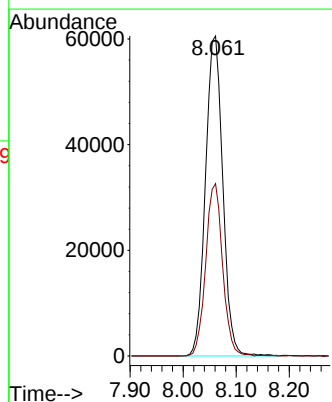
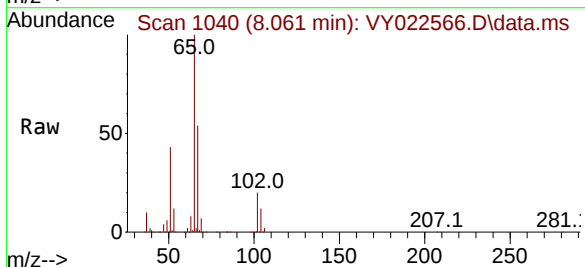
Instrument :
MSVOA_Y
ClientSampleId :
COMP-13

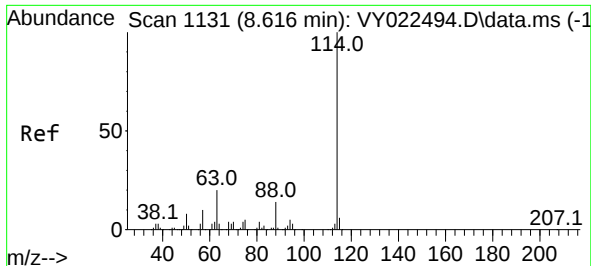
Tgt Ion: 56 Resp: 6714
Ion Ratio Lower Upper
56 100
69 130.7 27.0 40.6#
84 101.0 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 49.632 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

Tgt Ion: 65 Resp: 137113
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.4

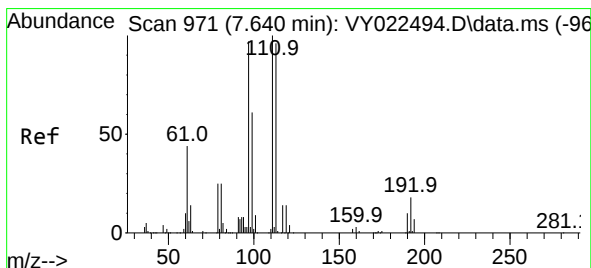
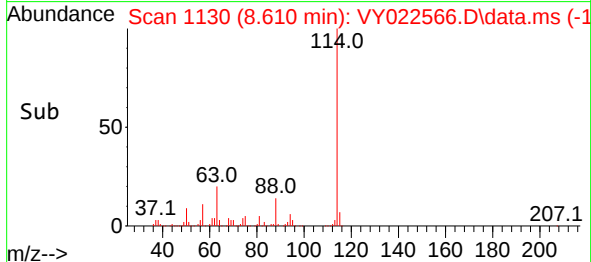
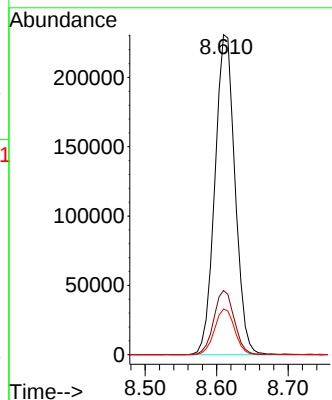
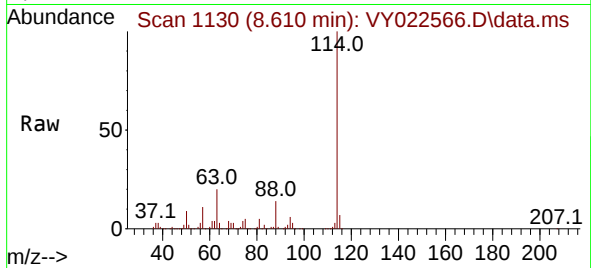




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

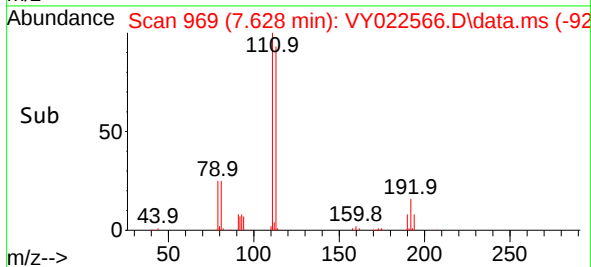
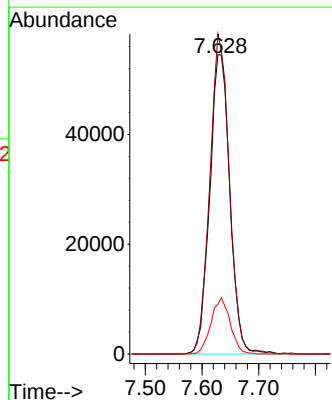
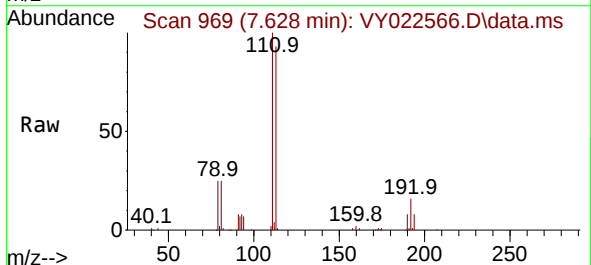
Instrument :
MSVOA_Y
ClientSampleId :
COMP-13

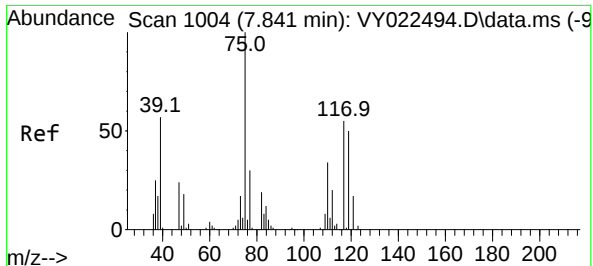
Tgt Ion:114 Resp: 450574
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 14.3 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.983 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

Tgt Ion:113 Resp: 134423
Ion Ratio Lower Upper
113 100
111 103.6 81.1 121.7
192 17.9 14.2 21.2

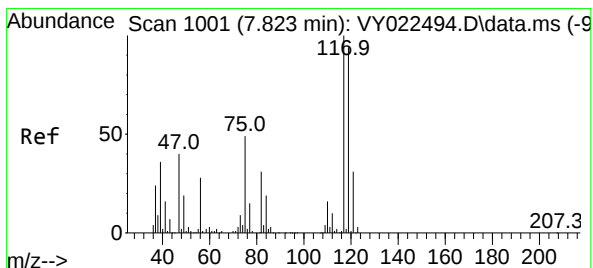
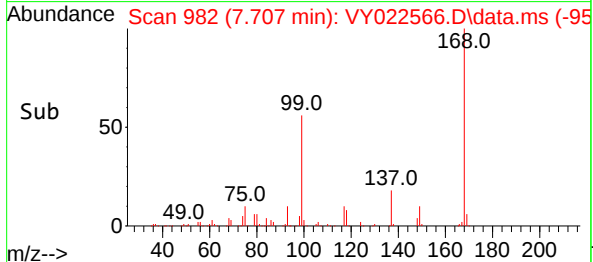
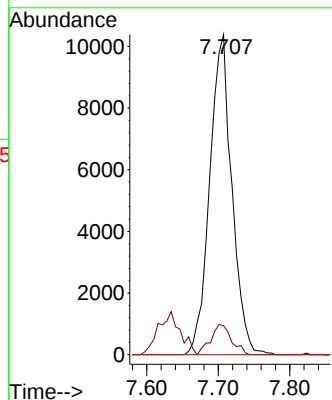
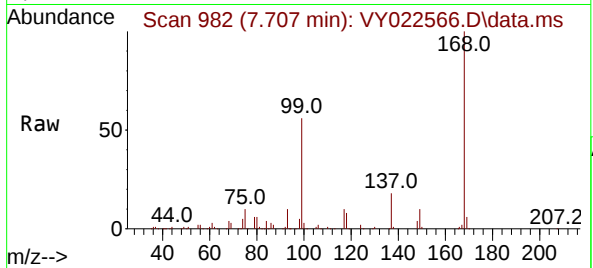




#36
1,1-Dichloropropene
Concen: 5.120 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

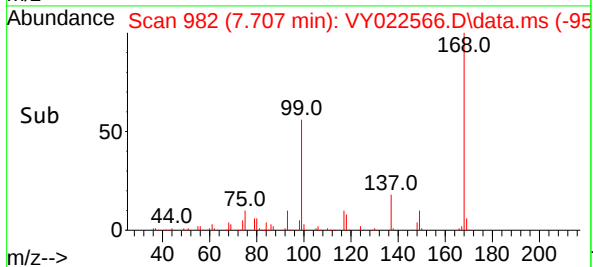
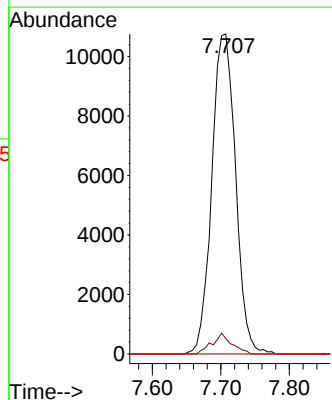
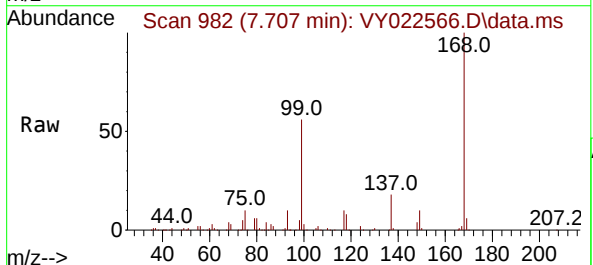
Instrument :
MSVOA_Y
ClientSampleId :
COMP-13

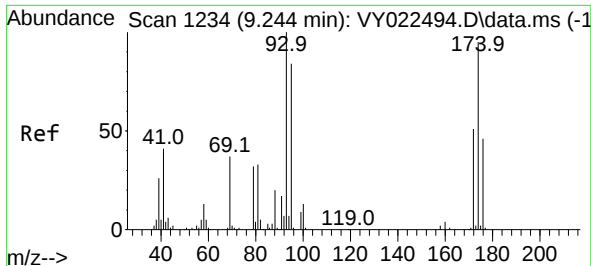
Tgt Ion: 75 Resp: 22350
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.7#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.782 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

Tgt Ion: 117 Resp: 25891
Ion Ratio Lower Upper
117 100
119 4.8 75.0 112.6#
121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 3.398 ug/l

RT: 9.158 min Scan# 11

Delta R.T. -0.085 min

Lab File: VY022566.D

Acq: 05 Jun 2025 11:59

Instrument :

MSVOA_Y

ClientSampleId :

COMP-13

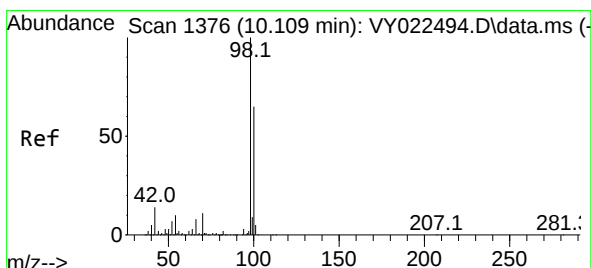
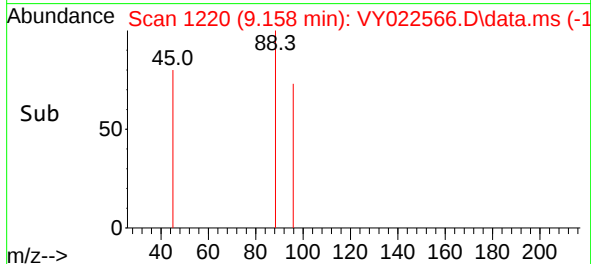
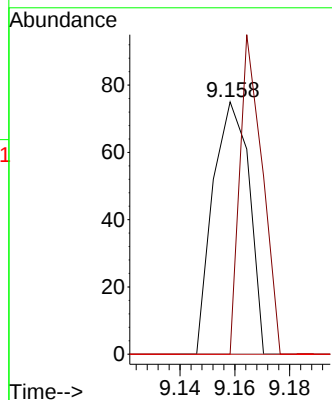
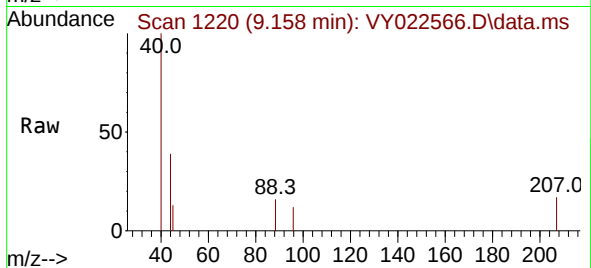
Tgt Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 78.3 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 50.299 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022566.D

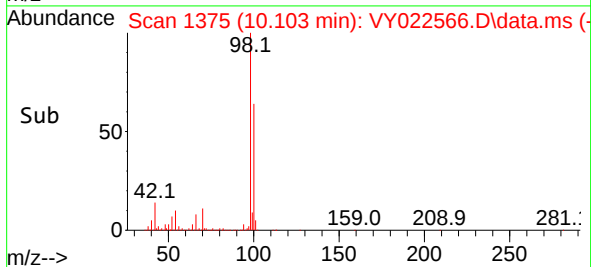
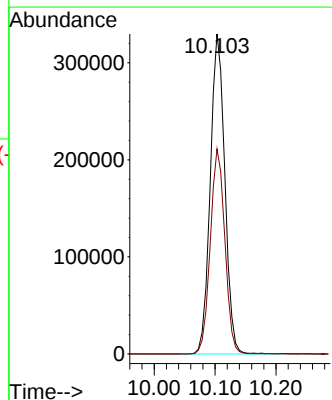
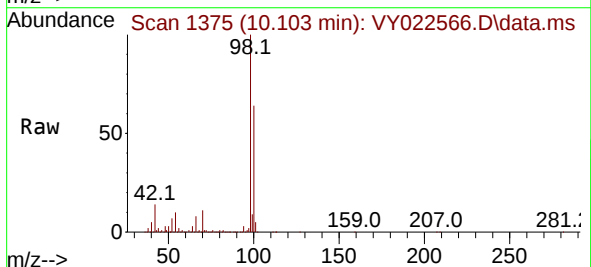
Acq: 05 Jun 2025 11:59

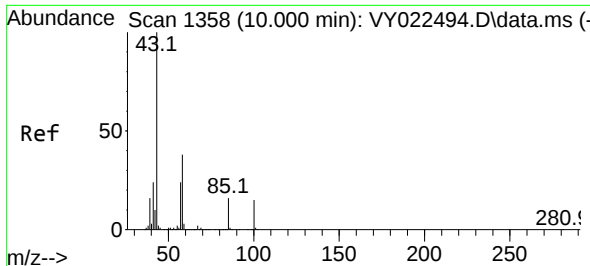
Tgt Ion: 98 Resp: 546591

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0

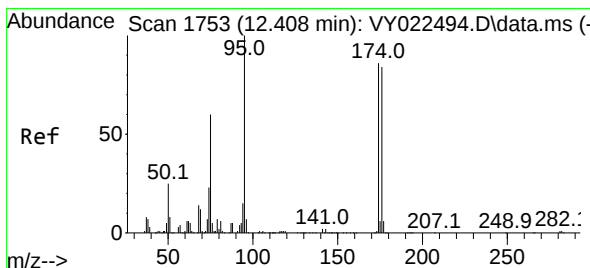
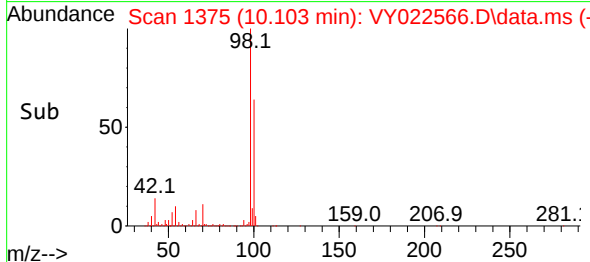
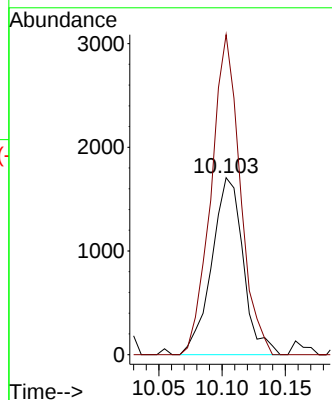
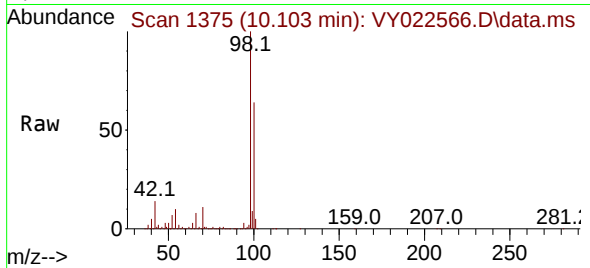




#51
4-Methyl-2-Pentanone
Concen: 1.408 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

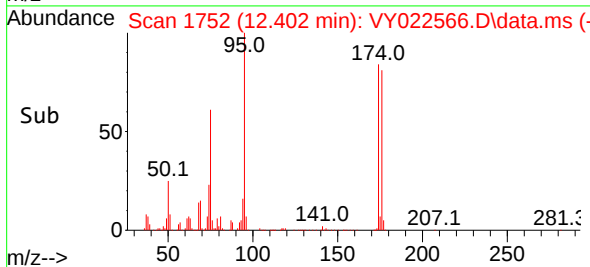
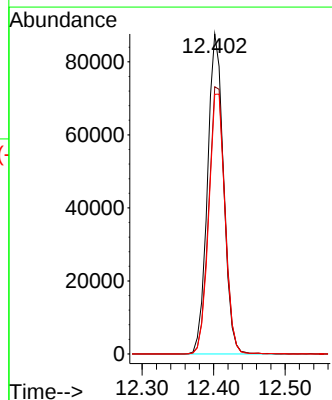
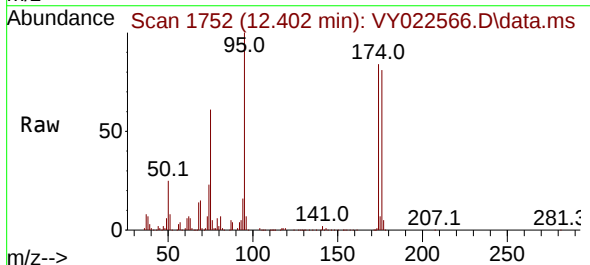
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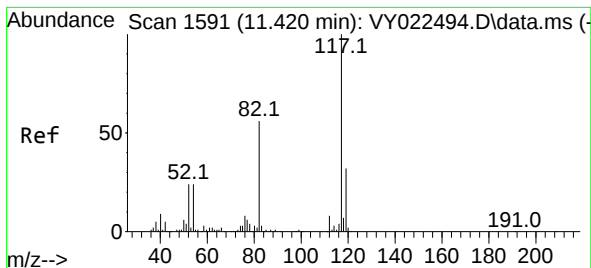
Tgt Ion: 43 Resp: 2951
Ion Ratio Lower Upper
43 100
58 167.4 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 42.199 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022566.D
Acq: 05 Jun 2025 11:59

Tgt Ion: 95 Resp: 136630
Ion Ratio Lower Upper
95 100
174 84.7 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: VY022566.D

Acq: 05 Jun 2025 11:59

Instrument :

MSVOA_Y

ClientSampleId :

COMP-13

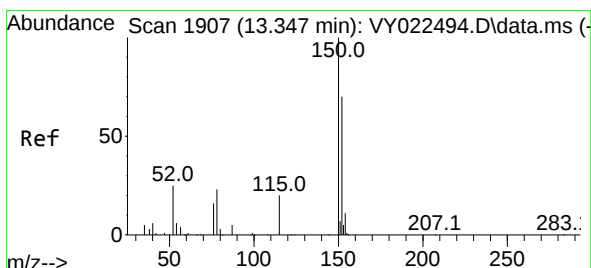
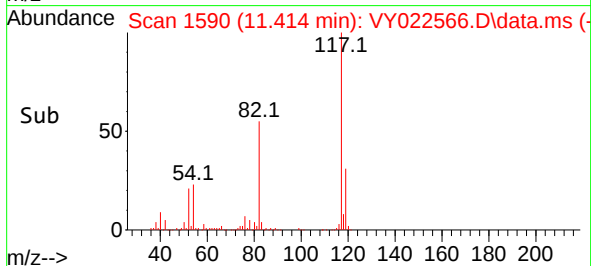
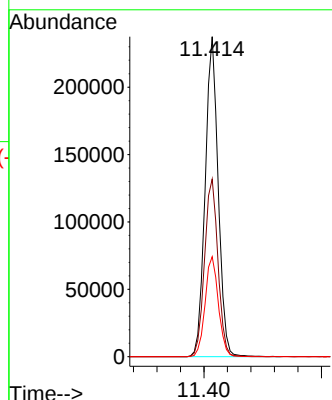
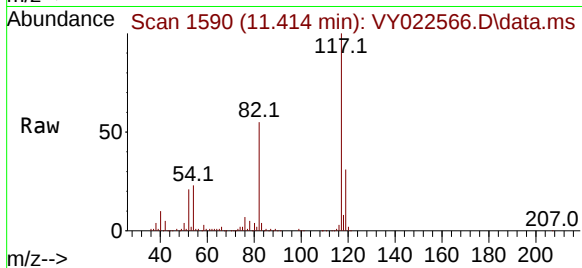
Tgt Ion:117 Resp: 364195

Ion Ratio Lower Upper

117 100

82 55.5 44.6 66.8

119 31.2 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: VY022566.D

Acq: 05 Jun 2025 11:59

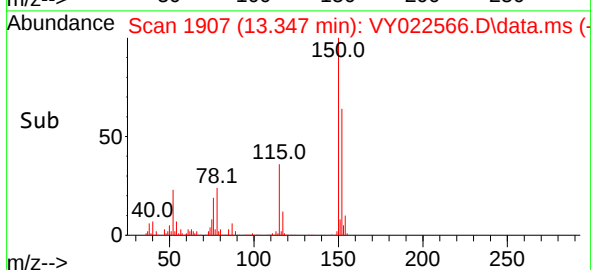
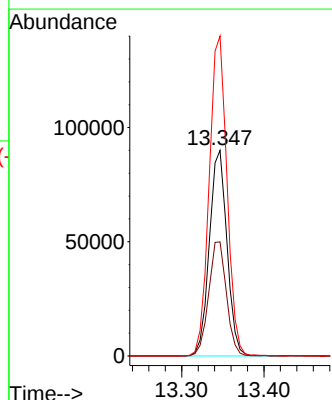
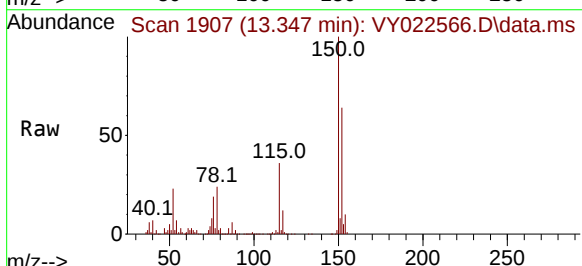
Tgt Ion:152 Resp: 134019

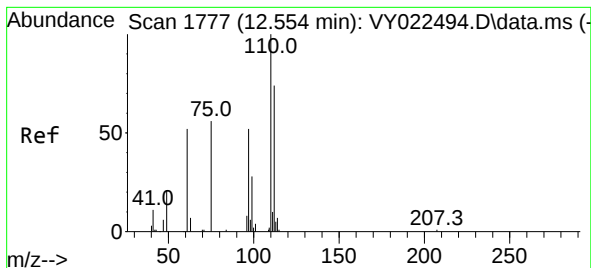
Ion Ratio Lower Upper

152 100

115 56.1 28.9 86.7

150 156.8 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 53.723 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022566.D

Acq: 05 Jun 2025 11:59

Instrument :

MSVOA_Y

ClientSampleId :

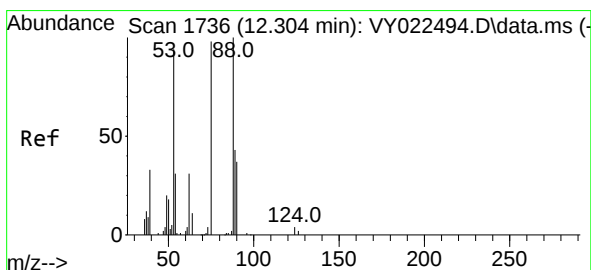
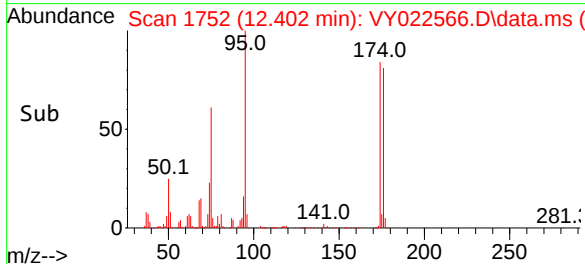
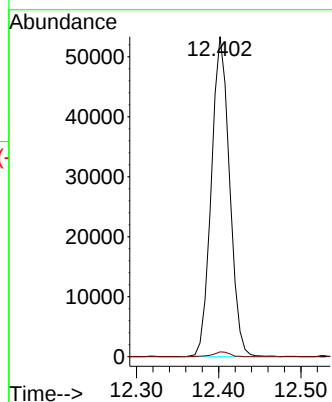
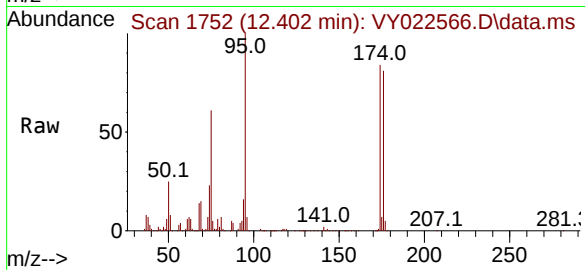
COMP-13

Tgt Ion: 75 Resp: 82370

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.739 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022566.D

Acq: 05 Jun 2025 11:59

Tgt Ion: 75 Resp: 82370

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 35.7 53.5#

