

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022226.D
 Acq On : 12 May 2025 15:48
 Operator : SY/MD
 Sample : Q1986-07
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-11

Quant Time: May 13 02:22:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

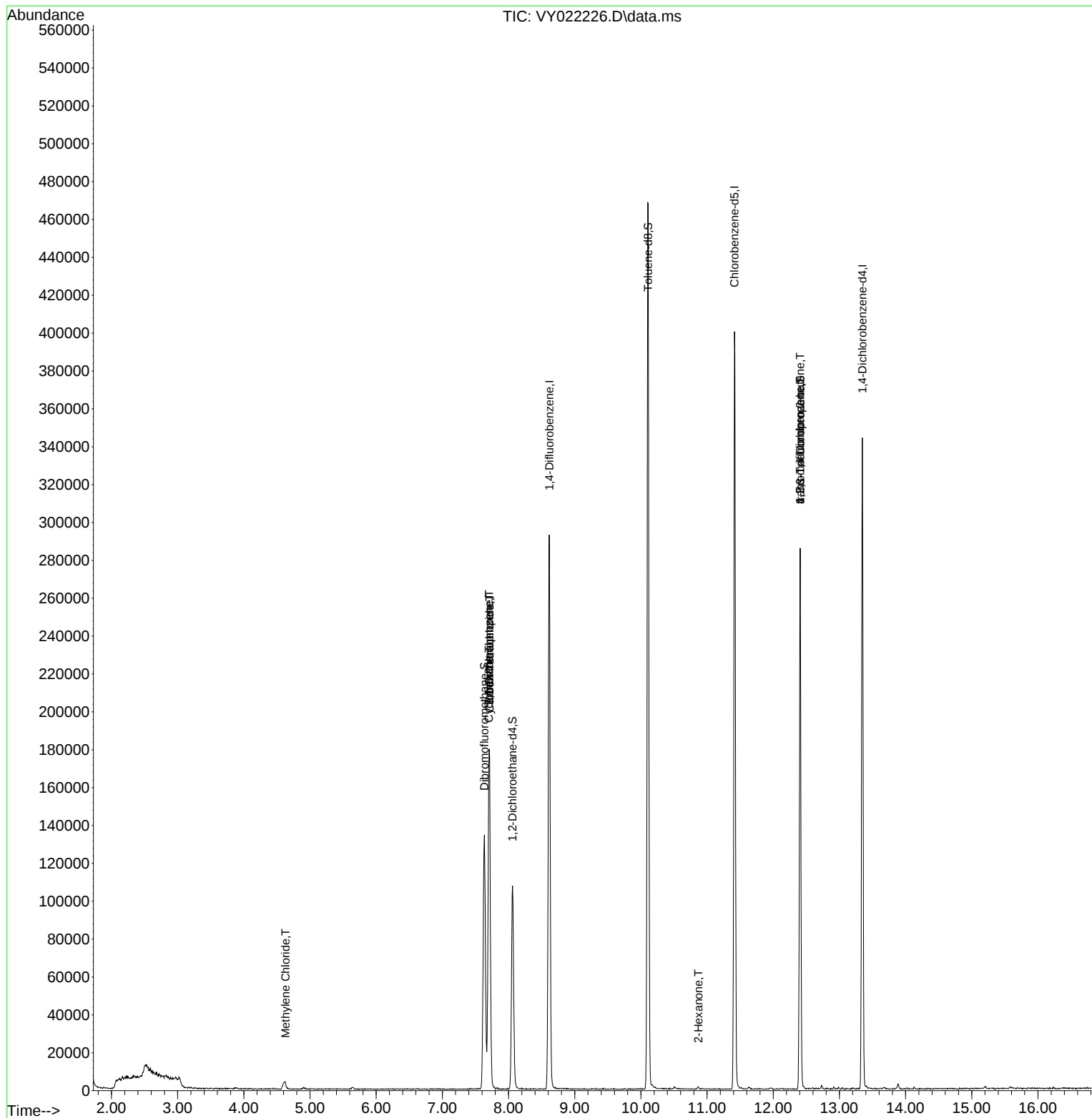
Internal Standards						
1) Pentafluorobenzene	7.707	168	142528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	254273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	224793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	90520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	84613	64.271	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.540%			
35) Dibromofluoromethane	7.634	113	95954	57.120	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.240%			
50) Toluene-d8	10.109	98	318684	50.321	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.640%			
62) 4-Bromofluorobenzene	12.408	95	84548	39.657	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 79.320%			
Target Compounds						Qvalue
16) Acetone	3.885	43	667	Below Cal		97
20) Methylene Chloride	4.629	84	3475	2.087 ug/l #		82
31) Cyclohexane	7.701	56	3006	1.381 ug/l #		31
36) 1,1-Dichloropropene	7.707	75	10942	4.849 ug/l #		47
38) Carbon Tetrachloride	7.713	117	14719	5.459 ug/l #		19
59) 2-Hexanone	10.871	43	661	1.228 ug/l #		18
76) 1,2,3-Trichloropropane	12.408	75	41878	54.012 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.408	75	41878	130.069 ug/l #		16

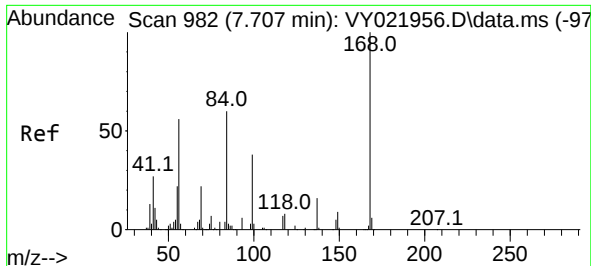
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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COMP-11

Quant Time: May 13 02:22:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
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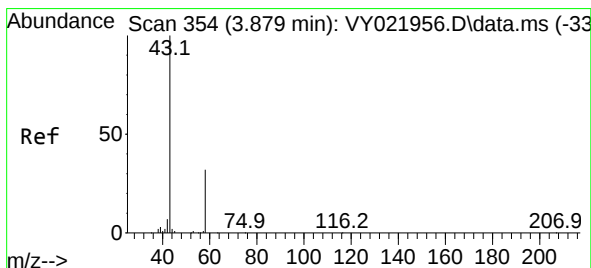
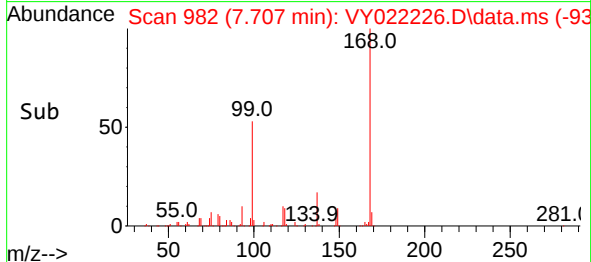
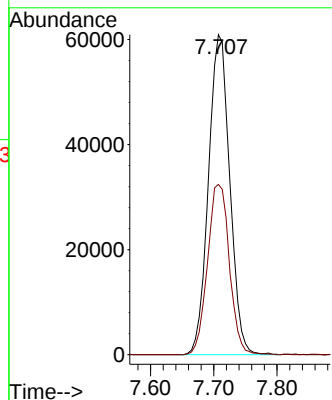
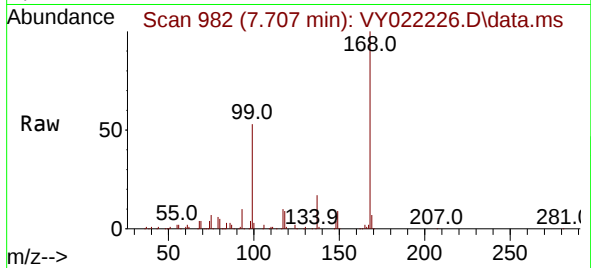




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022226.D
Acq: 12 May 2025 15:48

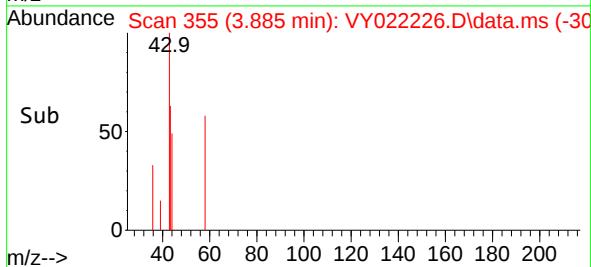
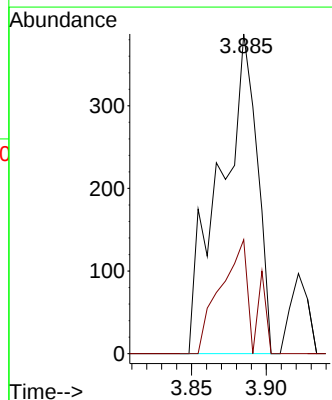
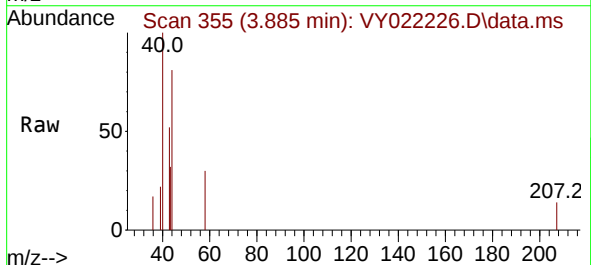
Instrument :
MSVOA_Y
ClientSampleId :
COMP-11

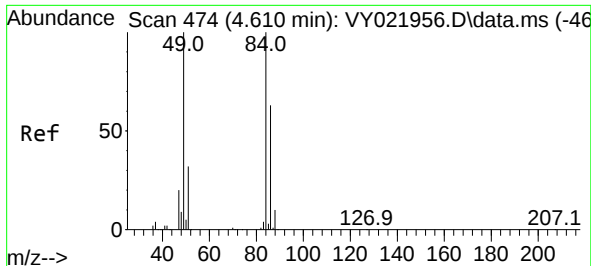
Tgt Ion:168 Resp: 142528
Ion Ratio Lower Upper
168 100
99 53.2 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022226.D
Acq: 12 May 2025 15:48

Tgt Ion: 43 Resp: 667
Ion Ratio Lower Upper
43 100
58 35.7 27.0 40.4

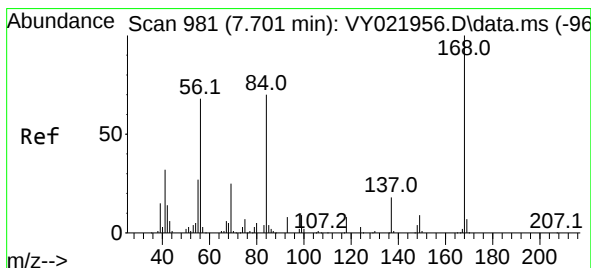
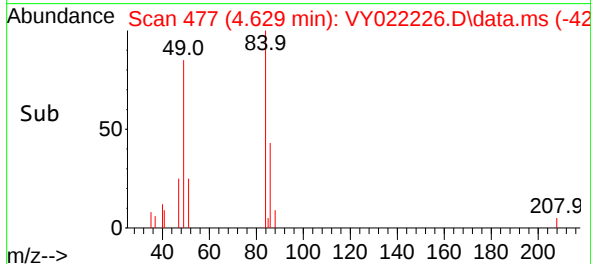
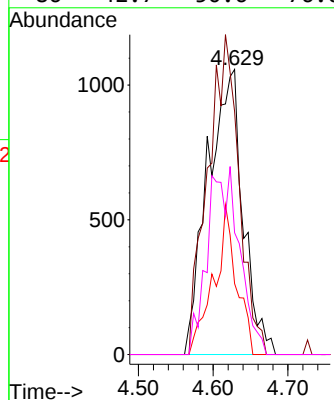
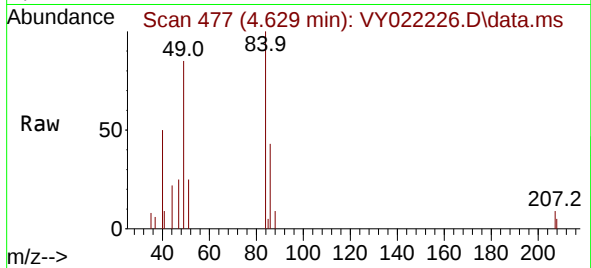




#20
Methylene Chloride
Concen: 2.087 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY022226.D
Acq: 12 May 2025 15:48

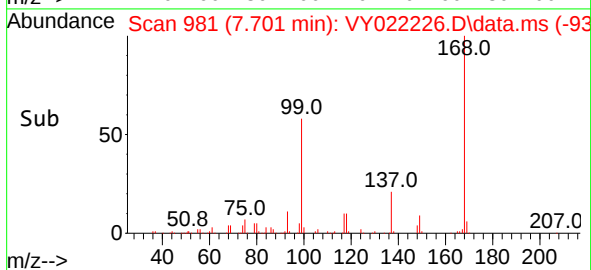
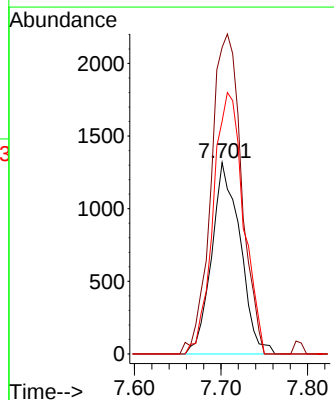
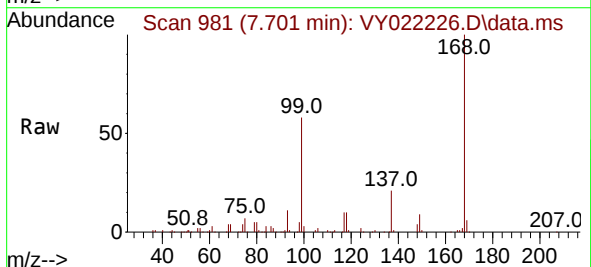
Instrument :
MSVOA_Y
ClientSampleId :
COMP-11

Tgt Ion:	84	Resp:	3475
Ion	Ratio	Lower	Upper
84	100		
49	85.3	79.9	119.9
51	24.9	25.4	38.0#
86	42.7	50.6	76.0#



#31
Cyclohexane
Concen: 1.381 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022226.D
Acq: 12 May 2025 15:48

Tgt Ion:	56	Resp:	3006
Ion	Ratio	Lower	Upper
56	100		
69	160.3	29.4	44.2#
84	121.7	82.2	123.4





#33

1,2-Dichloroethane-d4

Concen: 64.271 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022226.D

Acq: 12 May 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

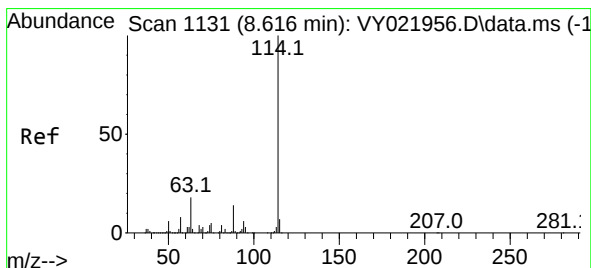
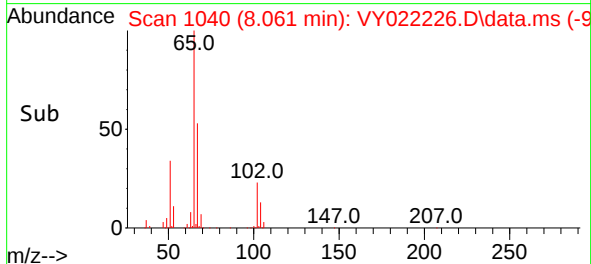
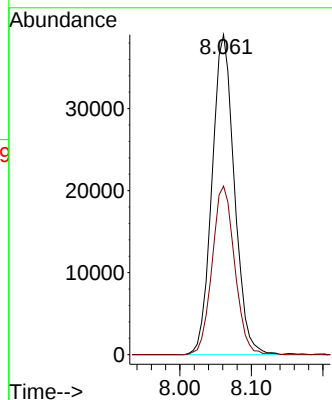
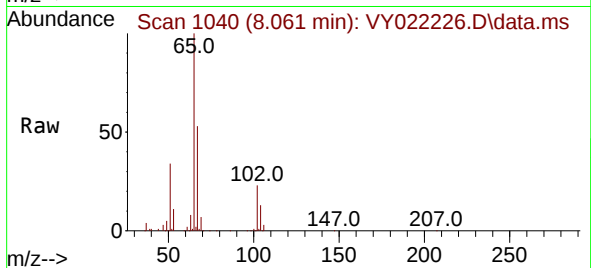
COMP-11

Tgt Ion: 65 Resp: 84613

Ion Ratio Lower Upper

65 100

67 53.2 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: VY022226.D

Acq: 12 May 2025 15:48

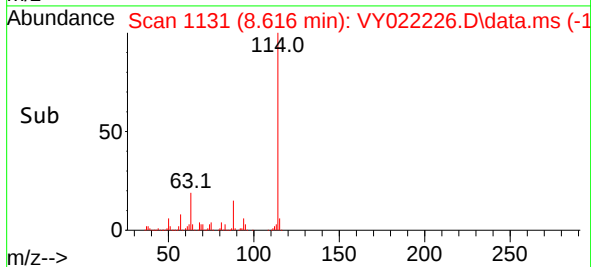
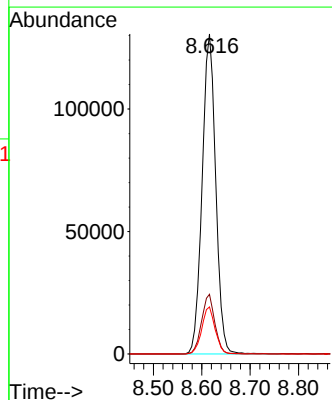
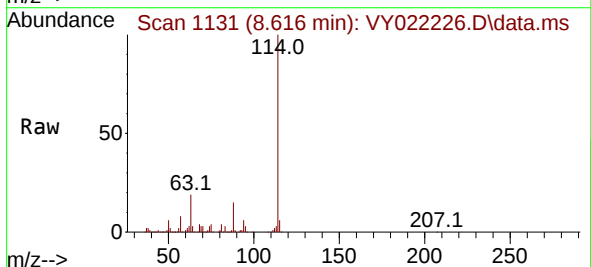
Tgt Ion: 114 Resp: 254273

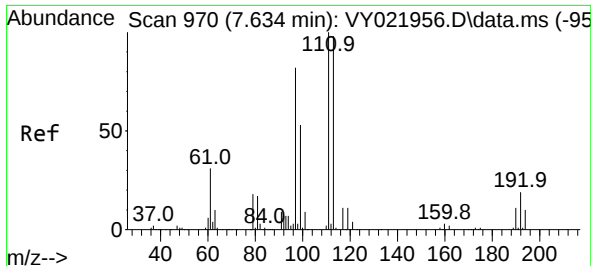
Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.4

88 14.7 0.0 28.2

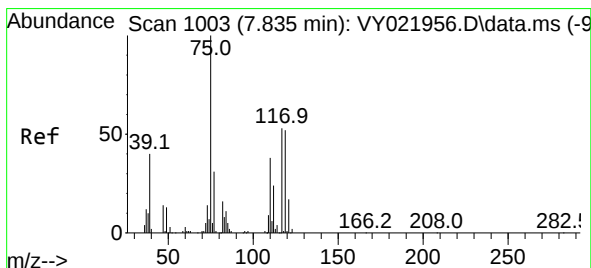
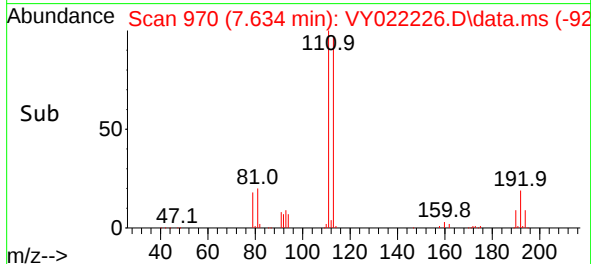
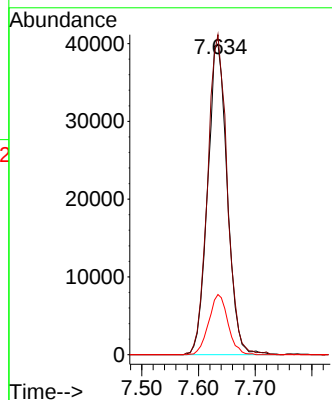
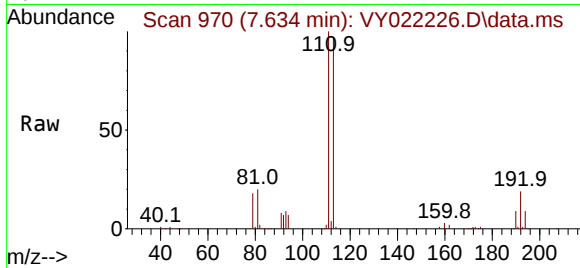




#35
Dibromofluoromethane
Concen: 57.120 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022226.D
Acq: 12 May 2025 15:48

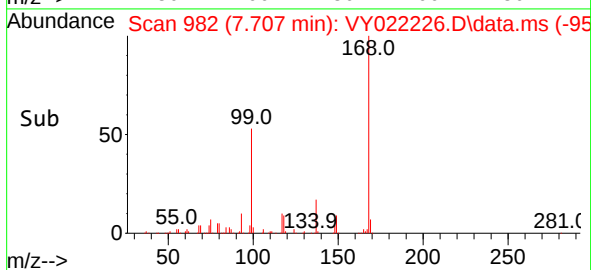
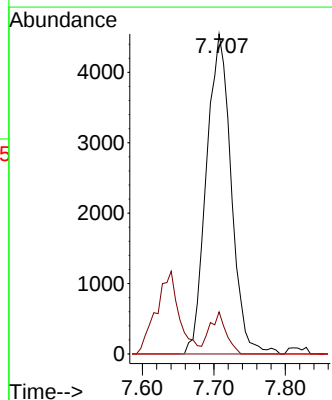
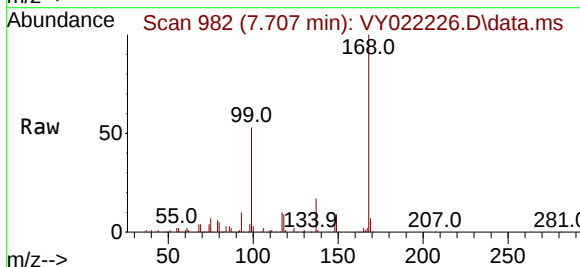
Instrument :
MSVOA_Y
ClientSampleId :
COMP-11

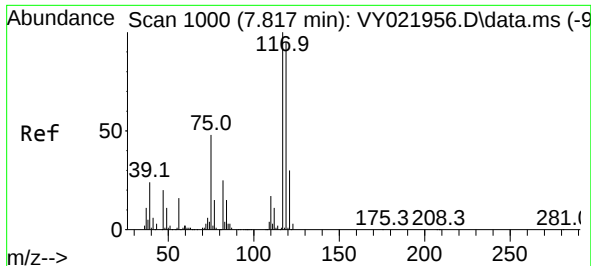
Tgt Ion:113 Resp: 95954
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.8
192 19.0 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.849 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022226.D
Acq: 12 May 2025 15:48

Tgt Ion: 75 Resp: 10942
Ion Ratio Lower Upper
75 100
110 8.6 19.1 57.3#
77 0.0 25.5 38.3#

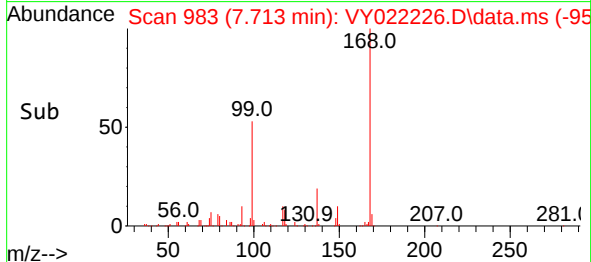
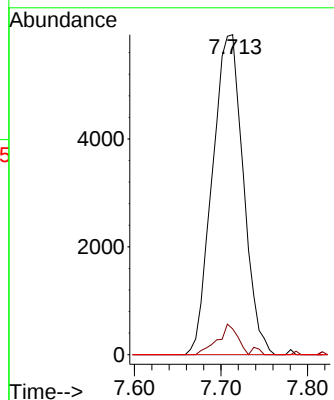
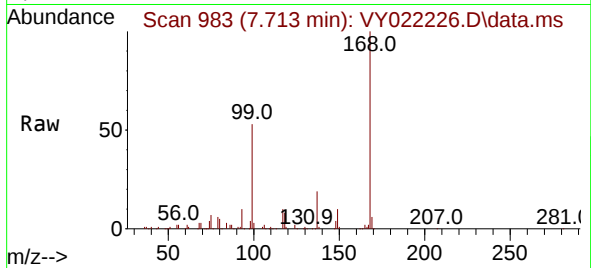




#38
Carbon Tetrachloride
Concen: 5.459 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY022226.D
Acq: 12 May 2025 15:48

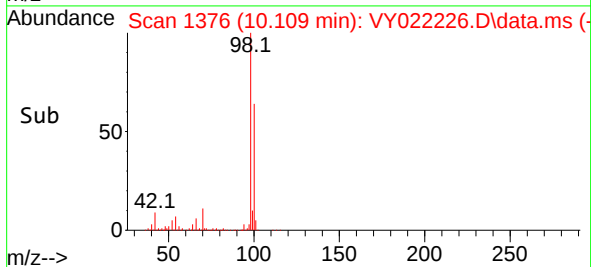
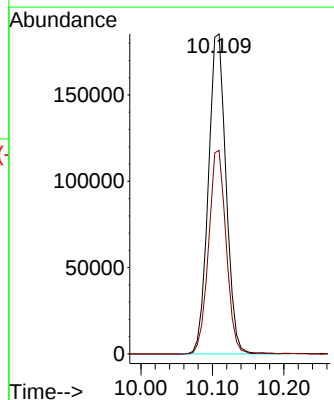
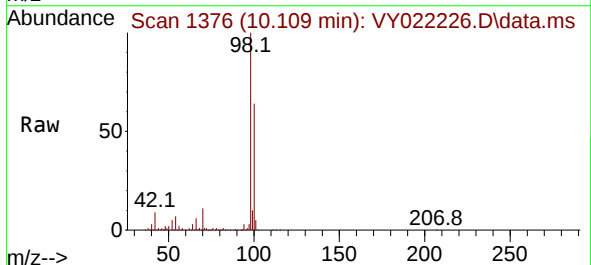
Instrument :
MSVOA_Y
ClientSampleId :
COMP-11

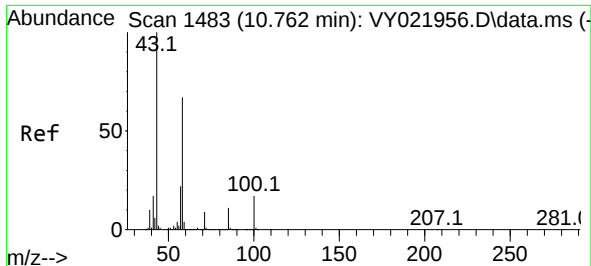
Tgt Ion:117 Resp: 14719
Ion Ratio Lower Upper
117 100
119 8.1 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 50.321 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022226.D
Acq: 12 May 2025 15:48

Tgt Ion: 98 Resp: 318684
Ion Ratio Lower Upper
98 100
100 62.9 51.6 77.4





#59

2-Hexanone

Concen: 1.228 ug/l

RT: 10.871 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY022226.D

Acq: 12 May 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

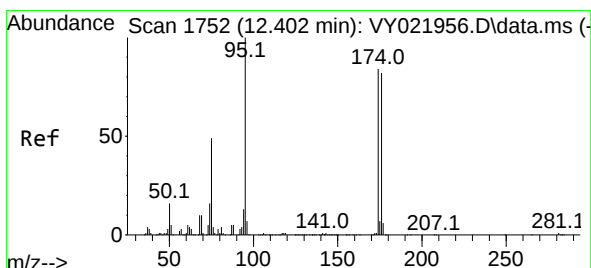
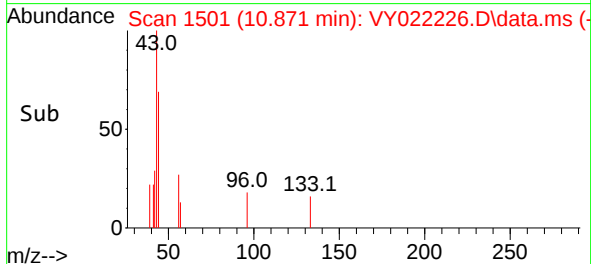
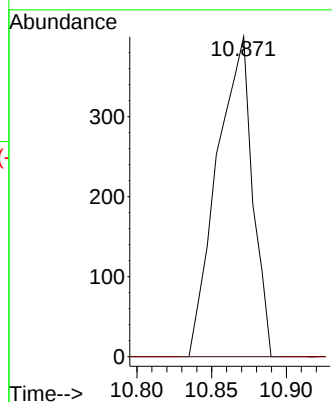
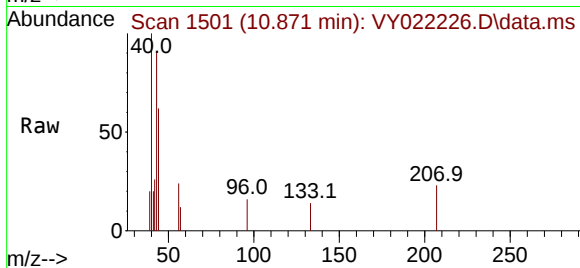
COMP-11

Tgt Ion: 43 Resp: 661

Ion Ratio Lower Upper

43 100

58 0.0 32.0 96.0#



#62

4-Bromofluorobenzene

Concen: 39.657 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY022226.D

Acq: 12 May 2025 15:48

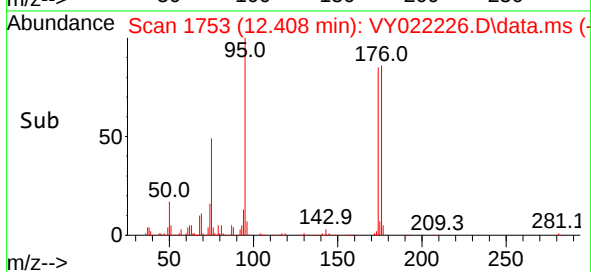
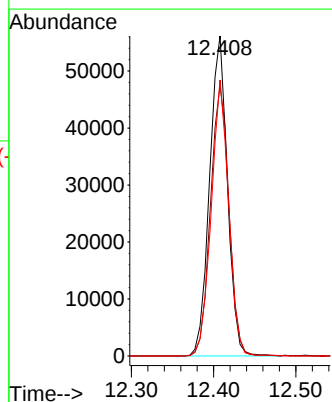
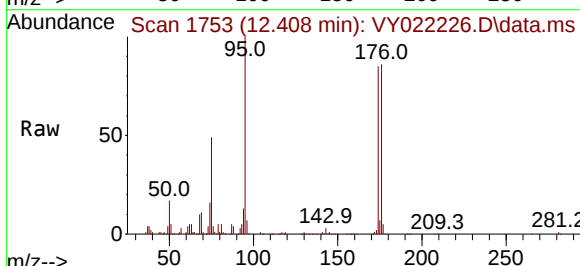
Tgt Ion: 95 Resp: 84548

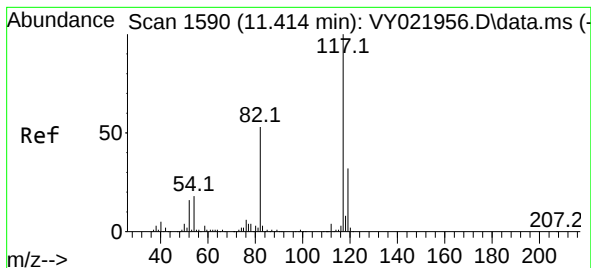
Ion Ratio Lower Upper

95 100

174 88.0 0.0 179.0

176 84.2 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022226.D

Acq: 12 May 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

COMP-11

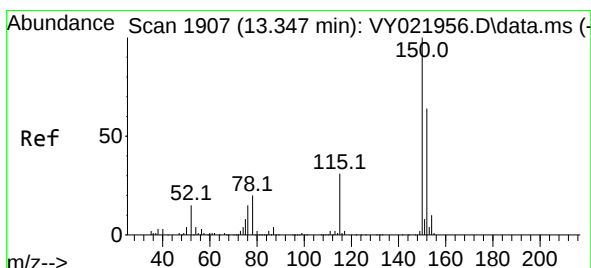
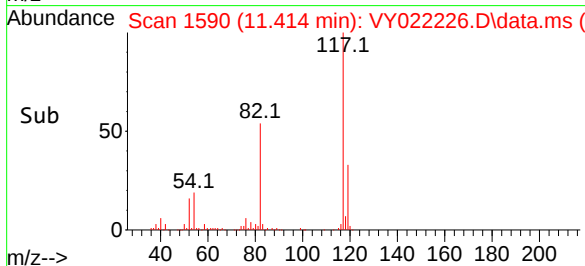
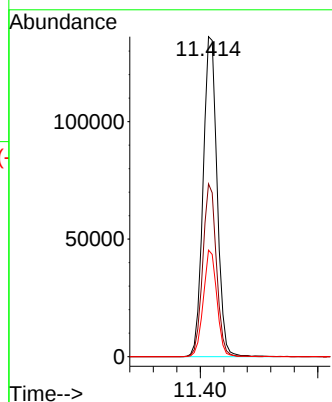
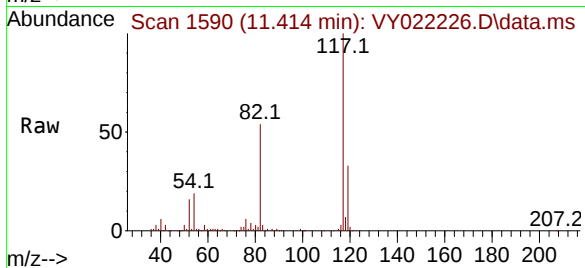
Tgt Ion:117 Resp: 224793

Ion Ratio Lower Upper

117 100

82 54.0 42.1 63.1

119 33.3 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022226.D

Acq: 12 May 2025 15:48

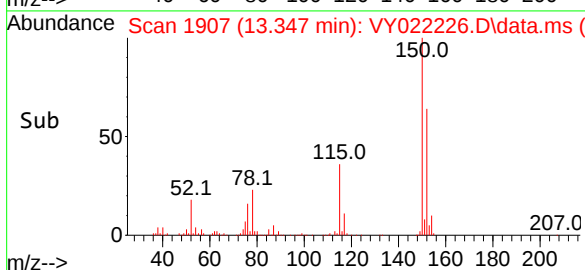
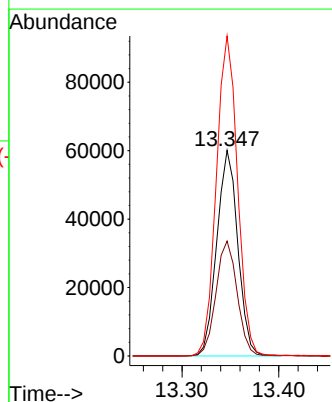
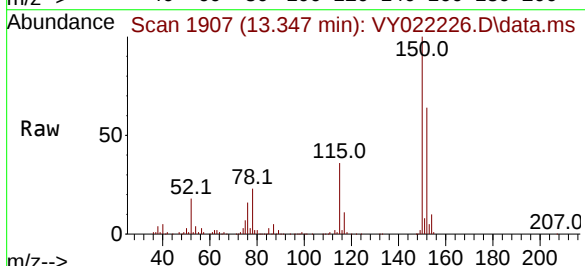
Tgt Ion:152 Resp: 90520

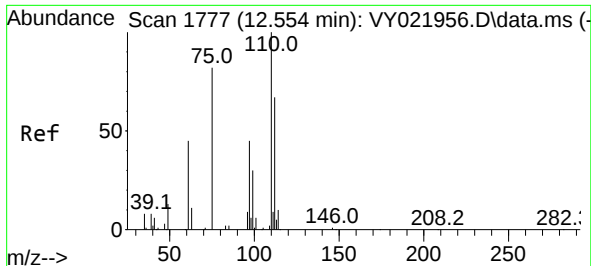
Ion Ratio Lower Upper

152 100

115 56.6 28.0 84.0

150 156.8 0.0 345.6

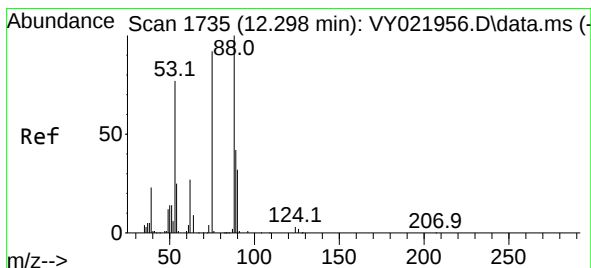
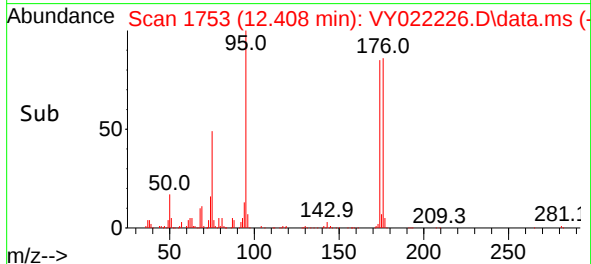
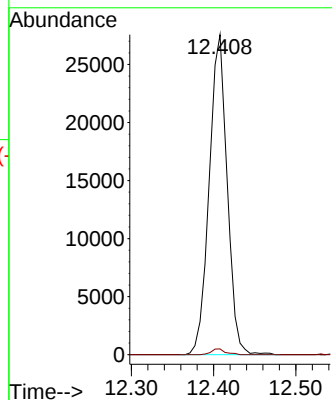
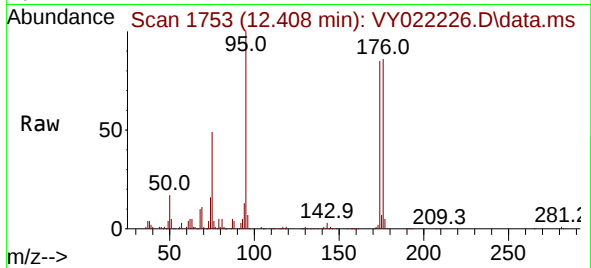




#76
1,2,3-Trichloropropane
Concen: 54.012 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022226.D
Acq: 12 May 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
COMP-11

Tgt Ion: 75 Resp: 41878
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.069 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022226.D
Acq: 12 May 2025 15:48

Tgt Ion: 75 Resp: 41878
Ion Ratio Lower Upper
75 100
53 0.3 66.0 99.0#
89 0.0 37.2 55.8#

