

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022913.D
 Acq On : 02 Jul 2025 15:33
 Operator : SY/MD
 Sample : Q2458-06
 Misc : 6.92g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-60

Quant Time: Jul 03 02:23:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

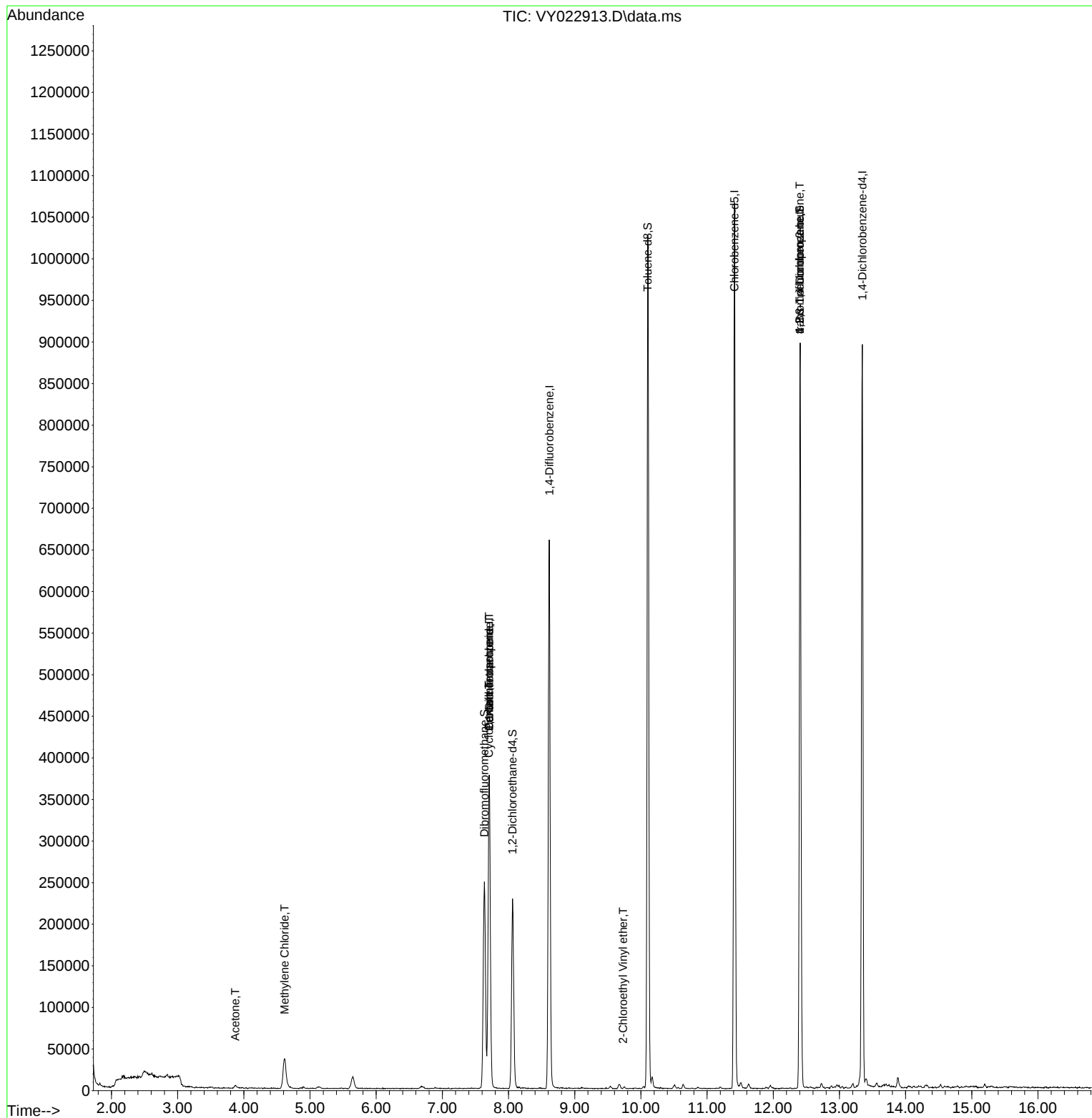
Internal Standards						
1) Pentafluorobenzene	7.707	168	284075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	537745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	538792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	220375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	180152	56.820	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.640%			
35) Dibromofluoromethane	7.634	113	174954	53.498	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.000%			
50) Toluene-d8	10.103	98	666650	51.372	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.740%			
62) 4-Bromofluorobenzene	12.401	95	235145	56.367	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.740%			
Target Compounds					Qvalue	
16) Acetone	3.872	43	5690	9.495	ug/l	99
20) Methylene Chloride	4.616	84	26843	7.093	ug/l	94
31) Cyclohexane	7.701	56	7259	1.333	ug/l #	16
36) 1,1-Dichloropropene	7.707	75	24697	4.982	ug/l #	51
38) Carbon Tetrachloride	7.707	117	29008	5.546	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.731	63	20	15.665	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	132741	59.000	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	132741	149.057	ug/l #	11

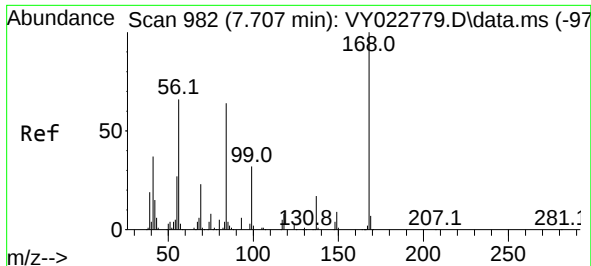
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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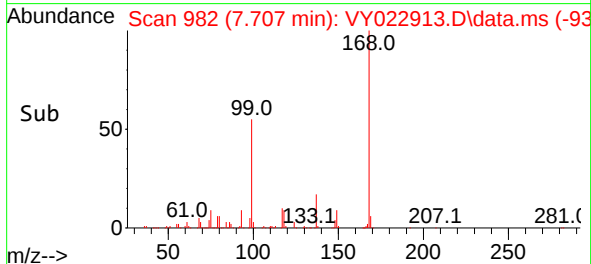
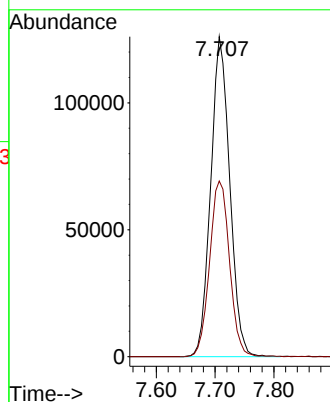
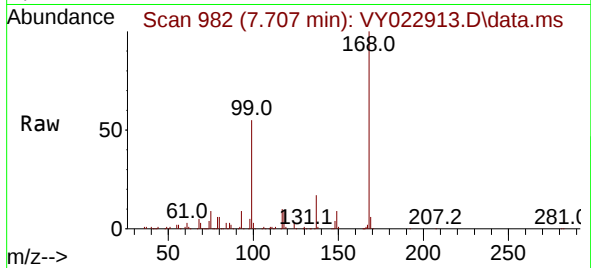




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022913.D
Acq: 02 Jul 2025 15:33

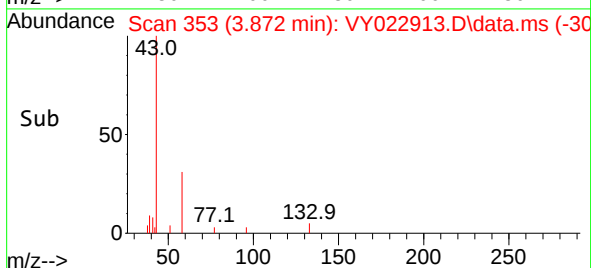
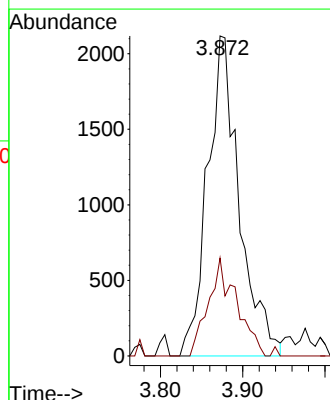
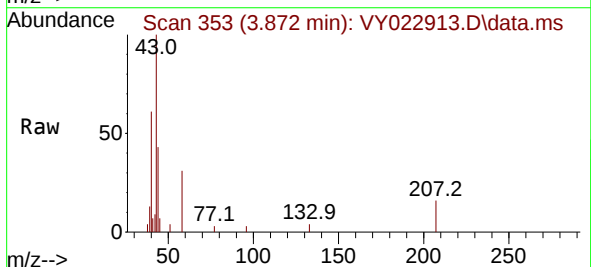
Instrument :
MSVOA_Y
ClientSampleId :
TP-60

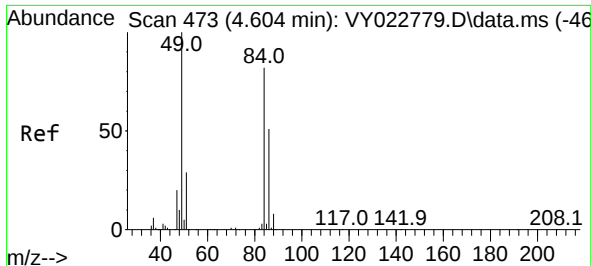
Tgt Ion:168 Resp: 284075
Ion Ratio Lower Upper
168 100
99 54.9 44.3 66.5



#16
Acetone
Concen: 9.495 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022913.D
Acq: 02 Jul 2025 15:33

Tgt Ion: 43 Resp: 5690
Ion Ratio Lower Upper
43 100
58 30.6 24.0 36.0

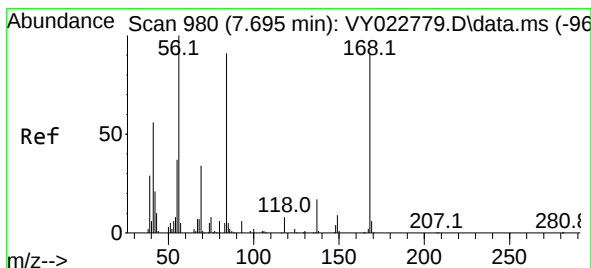
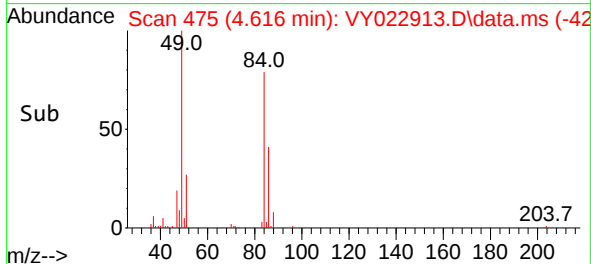
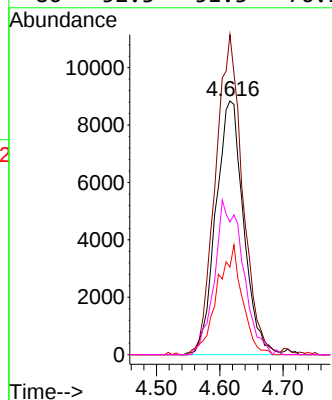
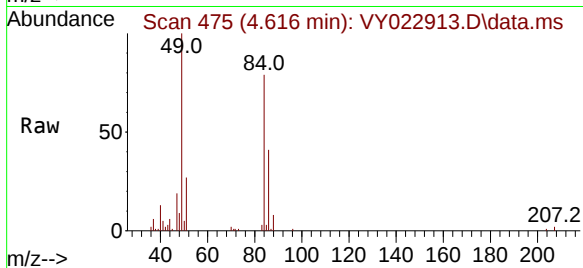




#20
Methylene Chloride
Concen: 7.093 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022913.D
Acq: 02 Jul 2025 15:33

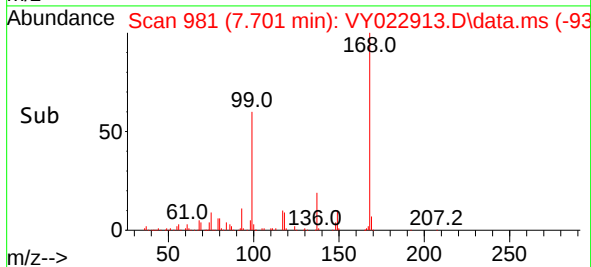
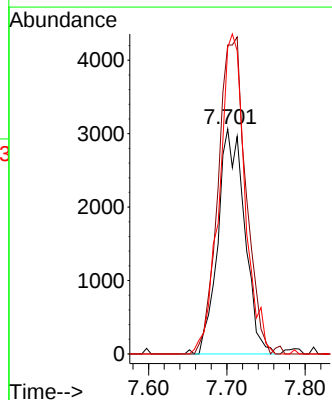
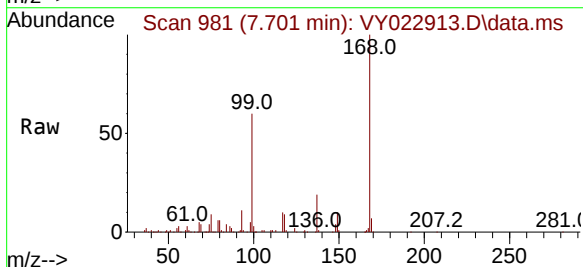
Instrument :
MSVOA_Y
ClientSampleId :
TP-60

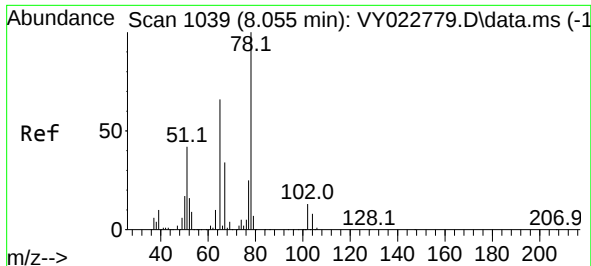
Tgt Ion:	84	Resp:	26843
Ion	Ratio	Lower	Upper
84	100		
49	126.1	101.9	152.9
51	34.5	29.8	44.8
86	52.3	51.3	76.9



#31
Cyclohexane
Concen: 1.333 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022913.D
Acq: 02 Jul 2025 15:33

Tgt Ion:	56	Resp:	7259
Ion	Ratio	Lower	Upper
56	100		
69	137.3	27.0	40.6#
84	136.2	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 56.820 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022913.D

Acq: 02 Jul 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

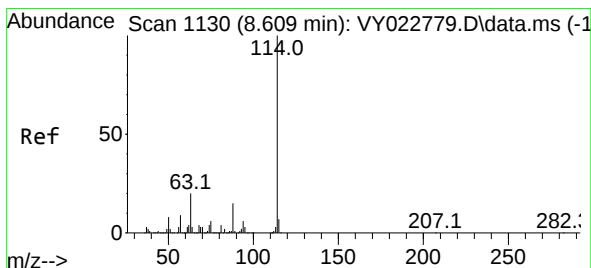
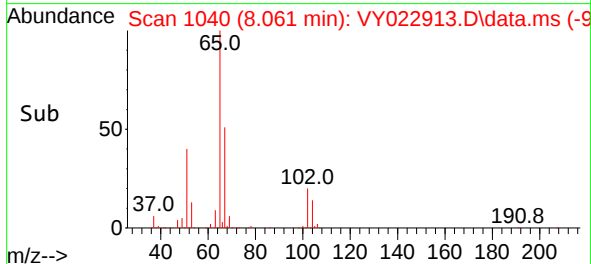
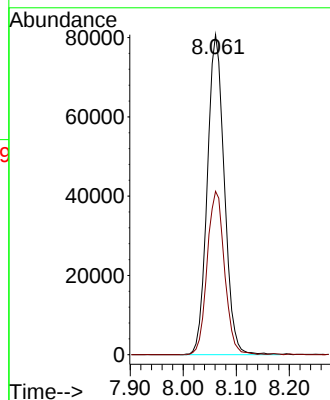
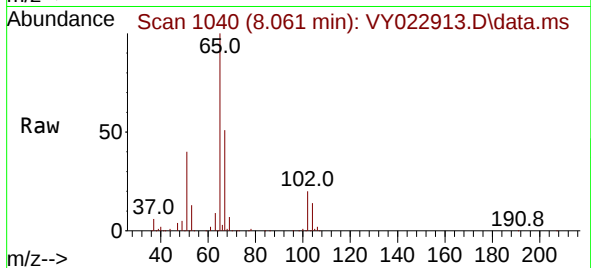
TP-60

Tgt Ion: 65 Resp: 180152

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022913.D

Acq: 02 Jul 2025 15:33

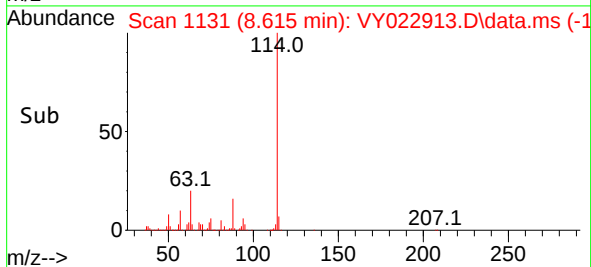
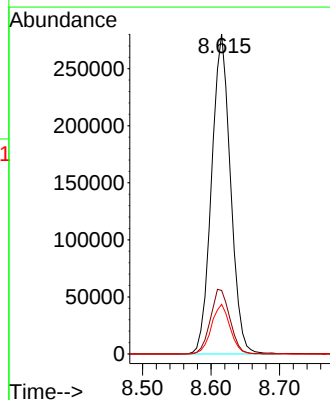
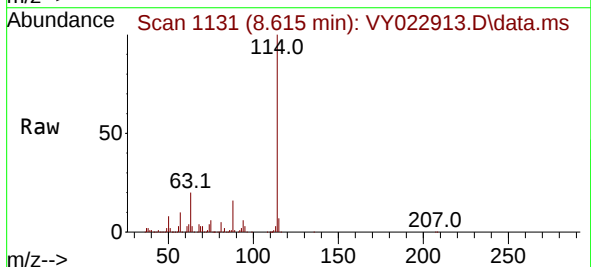
Tgt Ion: 114 Resp: 537745

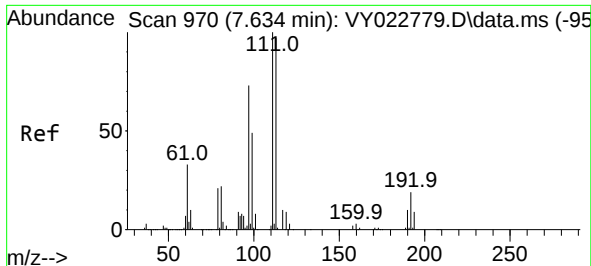
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 15.5 0.0 27.8

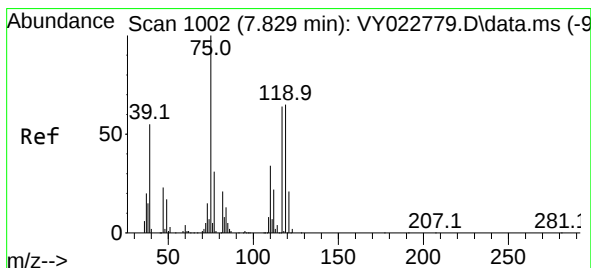
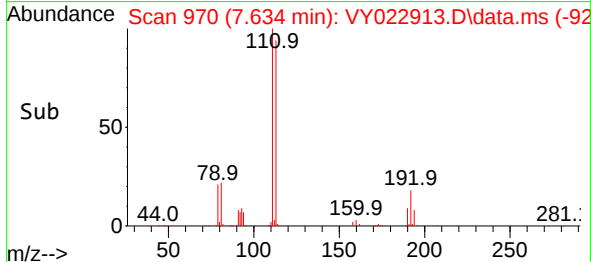
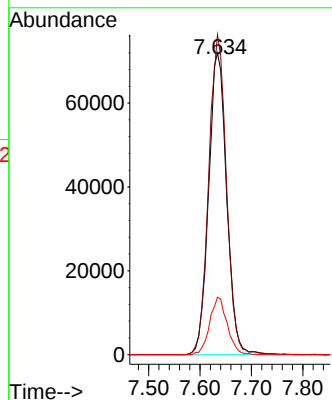
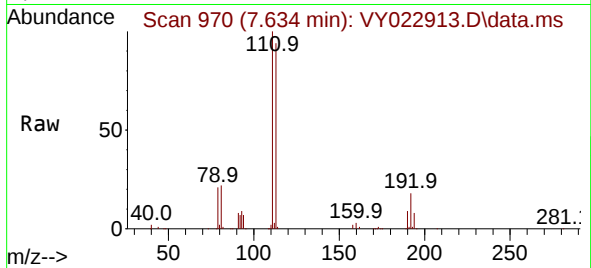




#35
Dibromofluoromethane
Concen: 53.498 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022913.D
Acq: 02 Jul 2025 15:33

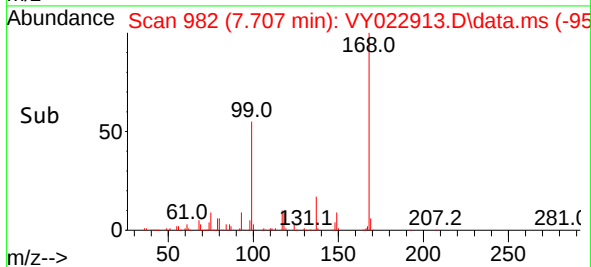
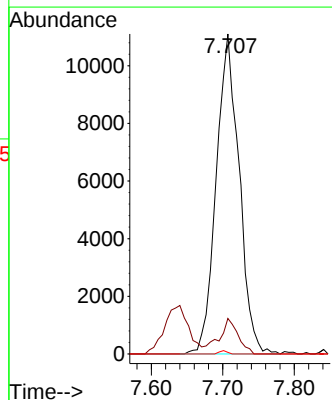
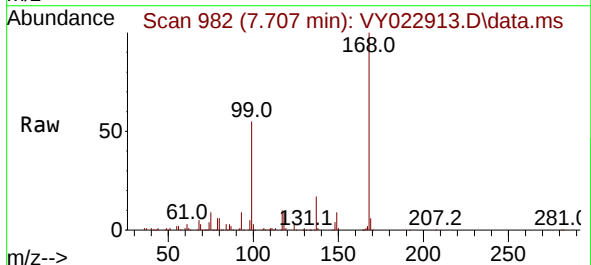
Instrument :
MSVOA_Y
ClientSampleId :
TP-60

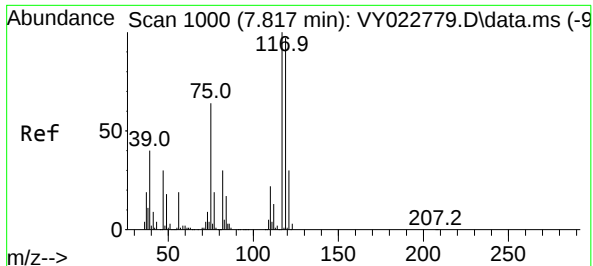
Tgt Ion:113 Resp: 174954
Ion Ratio Lower Upper
113 100
111 104.5 81.1 121.7
192 18.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.982 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022913.D
Acq: 02 Jul 2025 15:33

Tgt Ion: 75 Resp: 24697
Ion Ratio Lower Upper
75 100
110 9.3 16.9 50.7#
77 0.3 24.8 37.2#

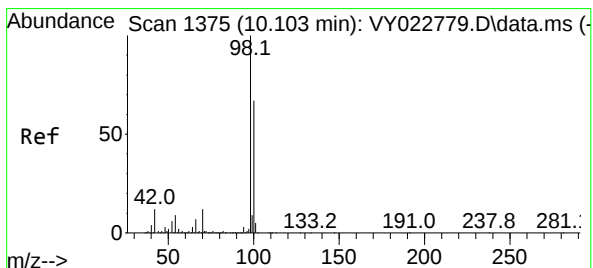
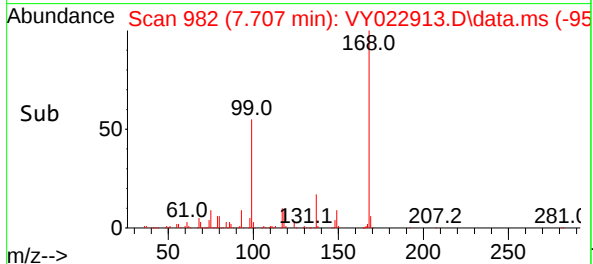
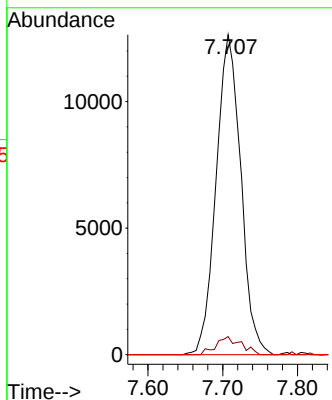
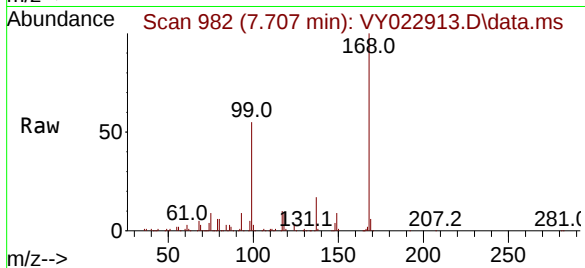




#38
Carbon Tetrachloride
Concen: 5.546 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022913.D
Acq: 02 Jul 2025 15:33

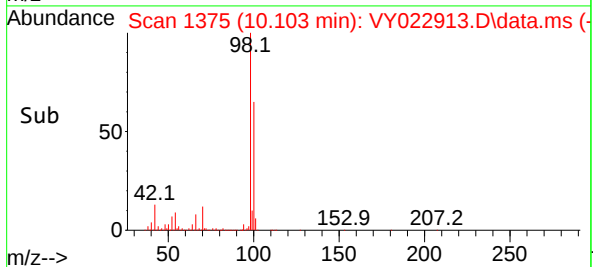
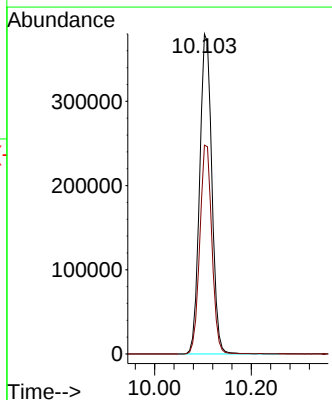
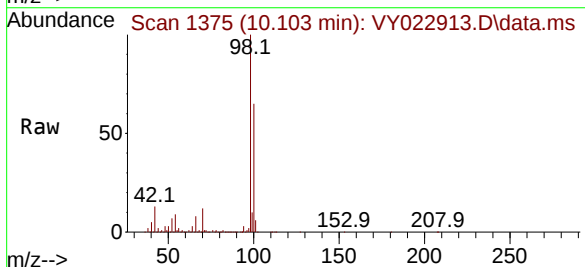
Instrument :
MSVOA_Y
ClientSampleId :
TP-60

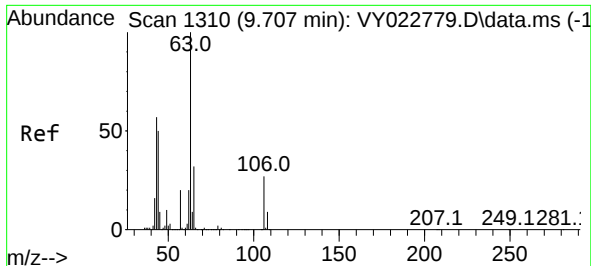
Tgt Ion:117 Resp: 29008
Ion Ratio Lower Upper
117 100
119 5.6 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 51.372 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022913.D
Acq: 02 Jul 2025 15:33

Tgt Ion: 98 Resp: 666650
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0





#58

2-Chloroethyl Vinyl ether

Concen: 15.665 ug/l

RT: 9.731 min Scan# 1314

Delta R.T. 0.018 min

Lab File: VY022913.D

Acq: 02 Jul 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

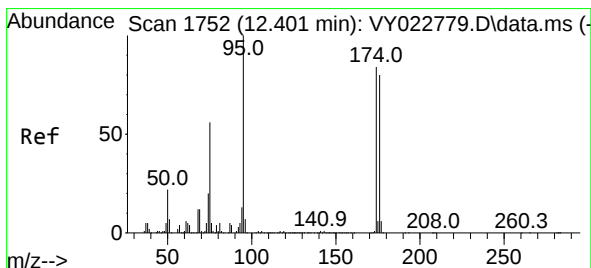
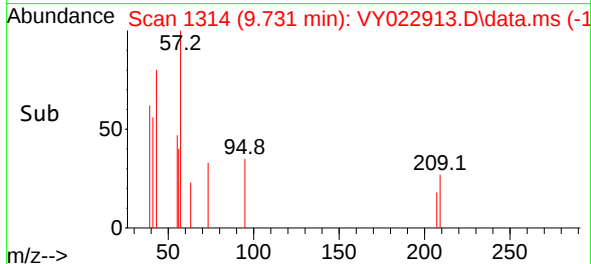
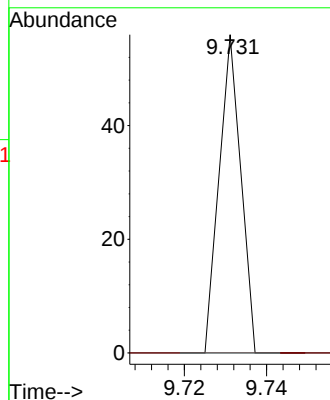
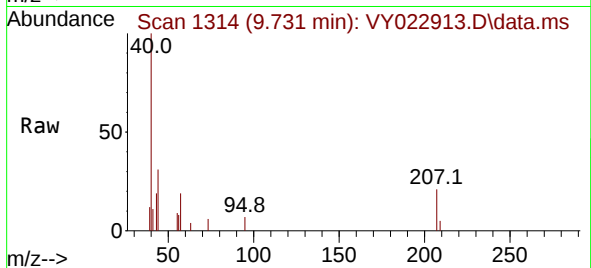
TP-60

Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

63 100

106 0.0 21.6 32.4#



#62

4-Bromofluorobenzene

Concen: 56.367 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022913.D

Acq: 02 Jul 2025 15:33

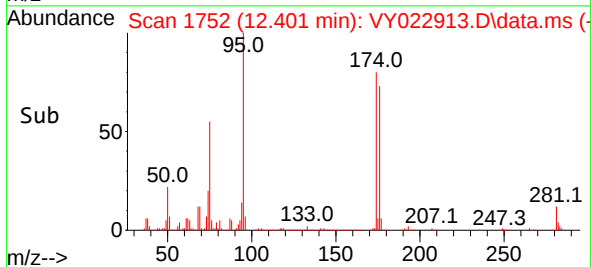
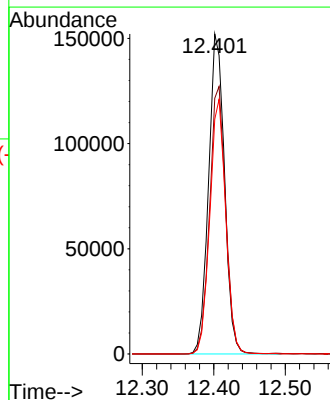
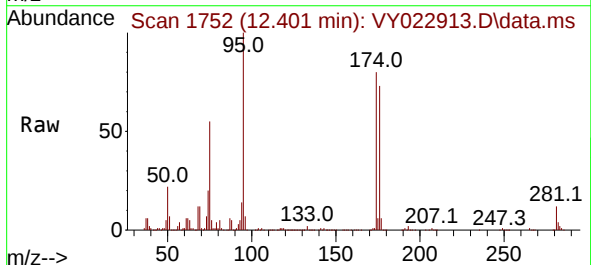
Tgt Ion: 95 Resp: 235145

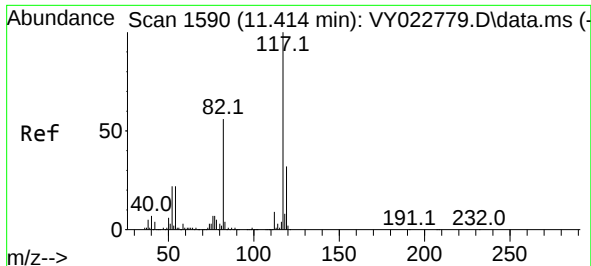
Ion Ratio Lower Upper

95 100

174 84.5 0.0 170.0

176 79.7 0.0 166.2

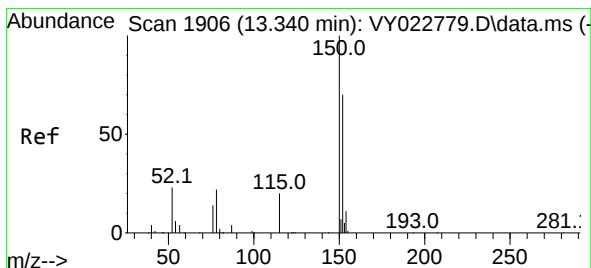
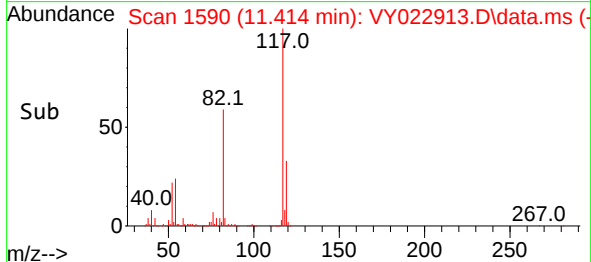
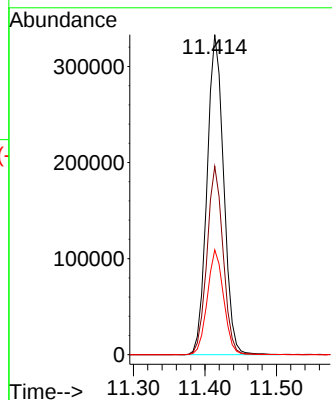
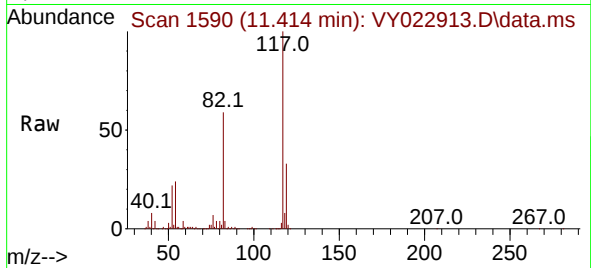




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022913.D
Acq: 02 Jul 2025 15:33

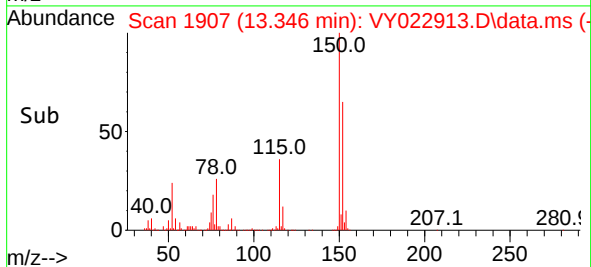
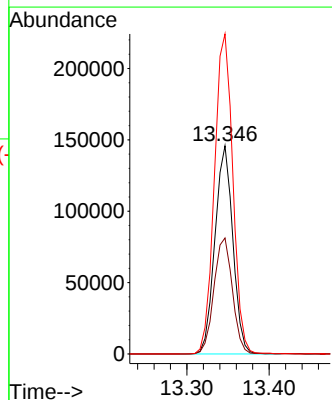
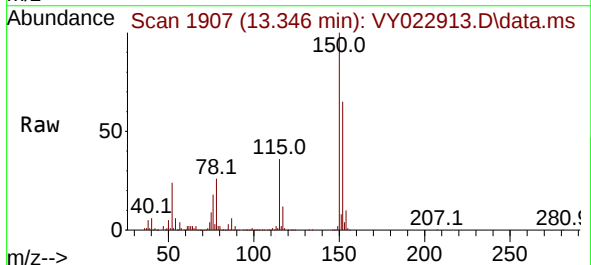
Instrument :
MSVOA_Y
ClientSampleId :
TP-60

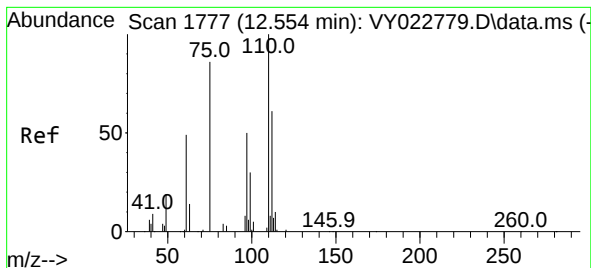
Tgt Ion:117 Resp: 538792
Ion Ratio Lower Upper
117 100
82 58.9 44.6 66.8
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022913.D
Acq: 02 Jul 2025 15:33

Tgt Ion:152 Resp: 220375
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.7
150 157.9 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 59.000 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022913.D

Acq: 02 Jul 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

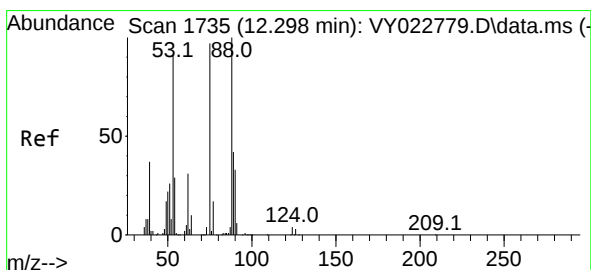
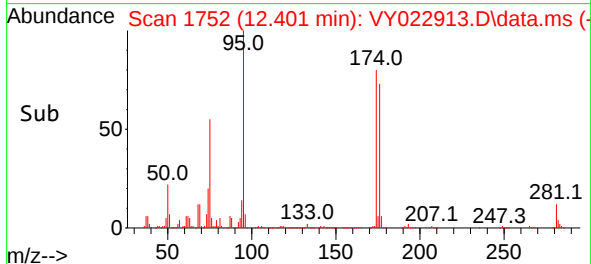
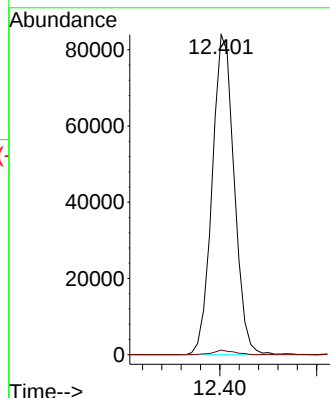
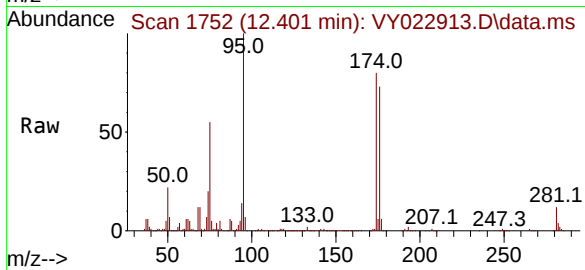
TP-60

Tgt Ion: 75 Resp: 132741

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 149.057 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022913.D

Acq: 02 Jul 2025 15:33

Tgt Ion: 75 Resp: 132741

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.5 35.7 53.5#

