

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022826.D
 Acq On : 25 Jun 2025 15:42
 Operator : SY/MD
 Sample : Q2412-01
 Misc : 3.85g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-062425

Quant Time: Jun 26 01:27:30 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)

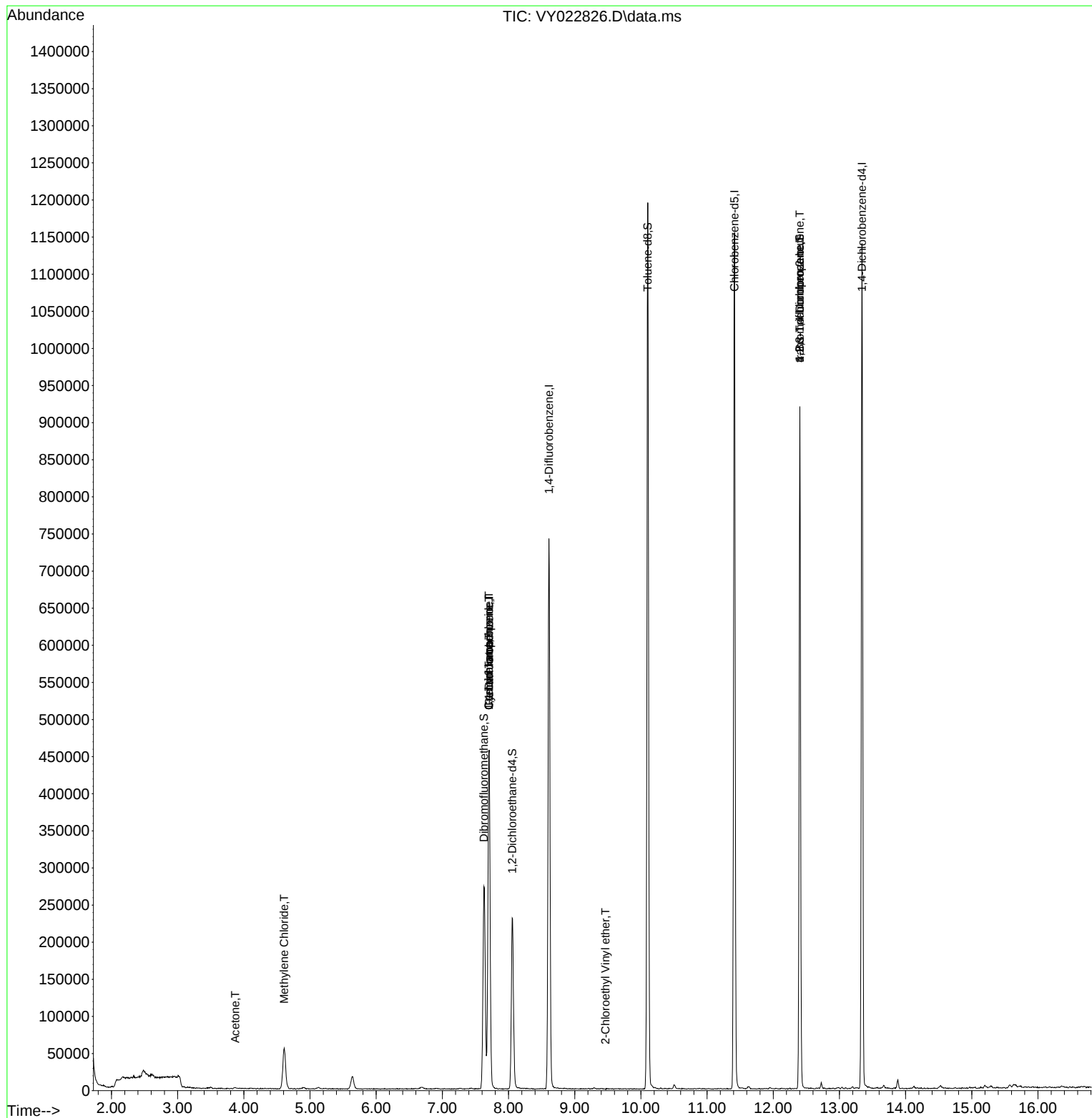
Internal Standards						
1) Pentafluorobenzene	7.707	168	350316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	633228	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	593210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	269110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	182003	46.549	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.100%
35) Dibromofluoromethane	7.628	113	193514	50.250	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.500%
50) Toluene-d8	10.103	98	758609	49.643	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.280%
62) 4-Bromofluorobenzene	12.401	95	262703	53.477	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.960%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	2422	3.277	ug/l #	76
20) Methylene Chloride	4.610	84	41184	8.825	ug/l	84
31) Cyclohexane	7.701	56	8505	1.266	ug/l #	17
36) 1,1-Dichloropropene	7.701	75	29546	5.062	ug/l #	50
38) Carbon Tetrachloride	7.701	117	35746	5.804	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.463	63	19	15.663	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	147393	53.648	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	147393	135.537	ug/l #	10

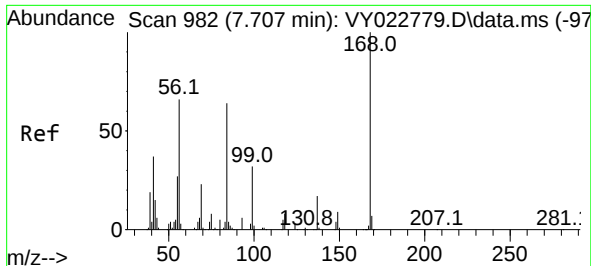
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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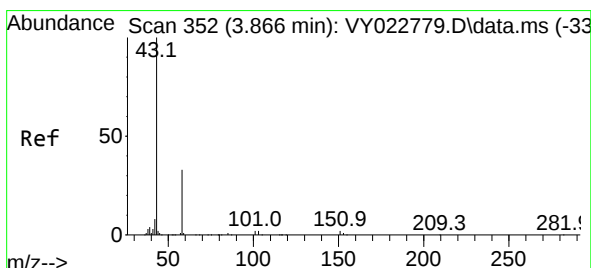
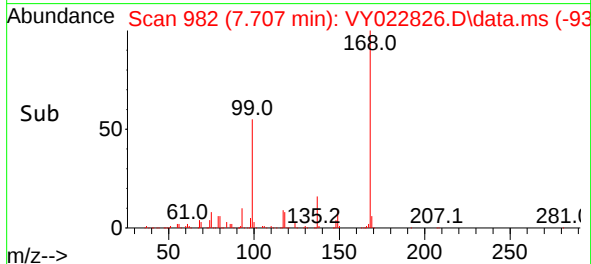
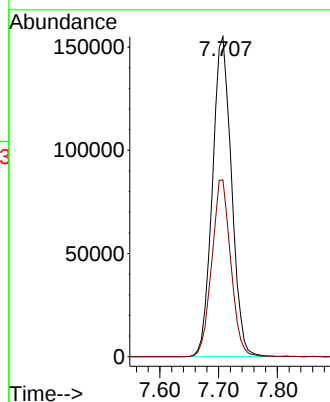
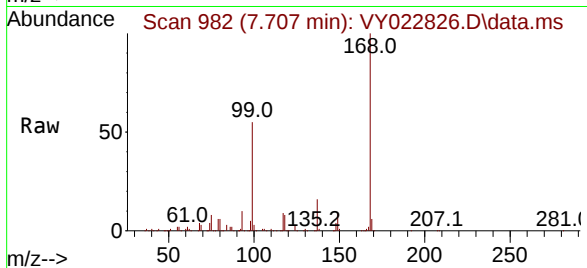




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022826.D
Acq: 25 Jun 2025 15:42

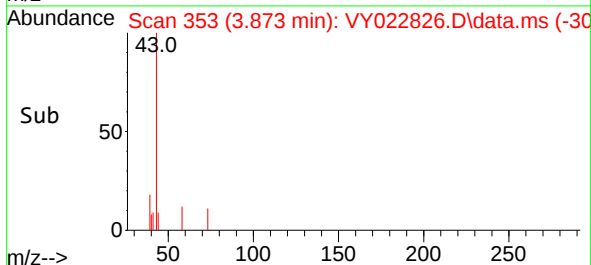
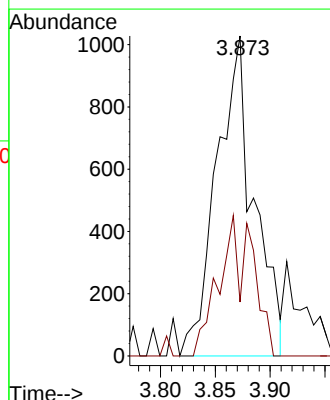
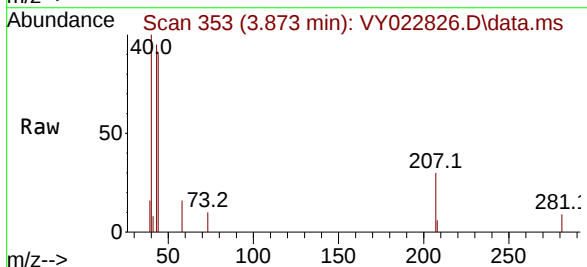
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-062425

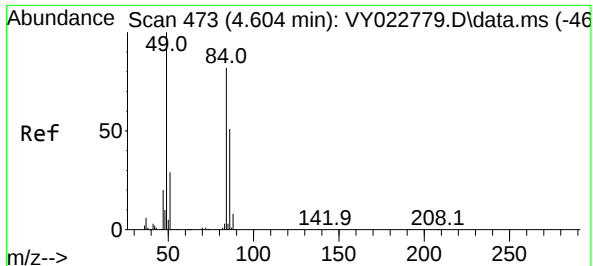
Tgt Ion:168 Resp: 350316
Ion Ratio Lower Upper
168 100
99 55.3 44.3 66.5



#16
Acetone
Concen: 3.277 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022826.D
Acq: 25 Jun 2025 15:42

Tgt Ion: 43 Resp: 2422
Ion Ratio Lower Upper
43 100
58 16.8 24.0 36.0#





#20

Methylene Chloride

Concen: 8.825 ug/l

RT: 4.610 min Scan# 41

Delta R.T. -0.012 min

Lab File: VY022826.D

Acq: 25 Jun 2025 15:42

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-062425

Tgt Ion: 84 Resp: 41184

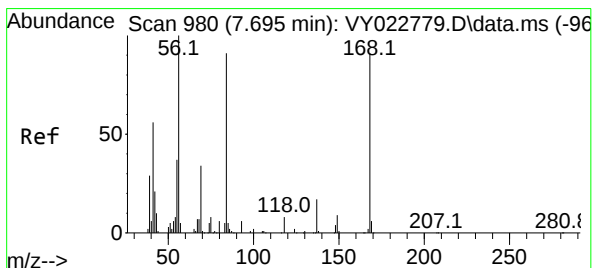
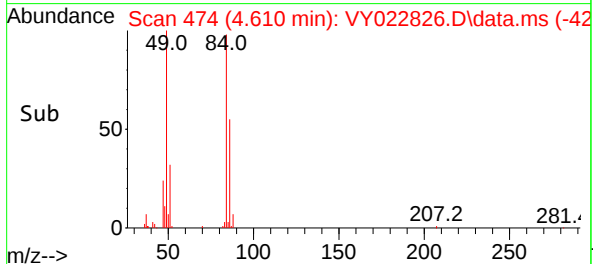
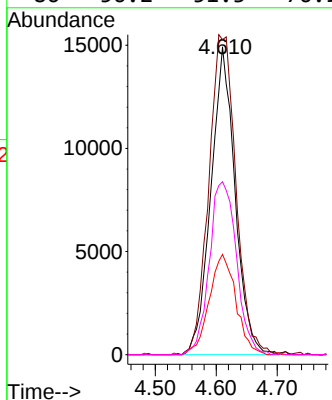
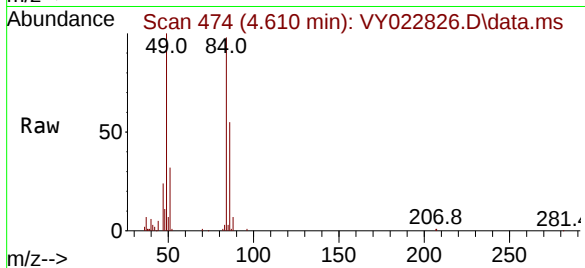
Ion Ratio Lower Upper

84 100

49 102.3 101.9 152.9

51 32.6 29.8 44.8

86 56.2 51.3 76.9



#31

Cyclohexane

Concen: 1.266 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY022826.D

Acq: 25 Jun 2025 15:42

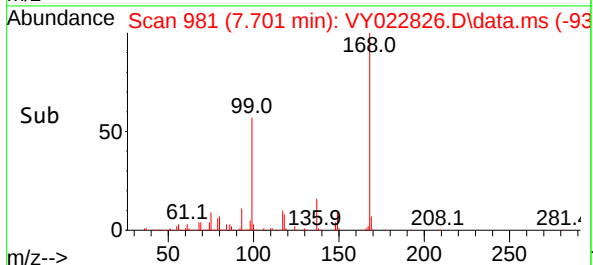
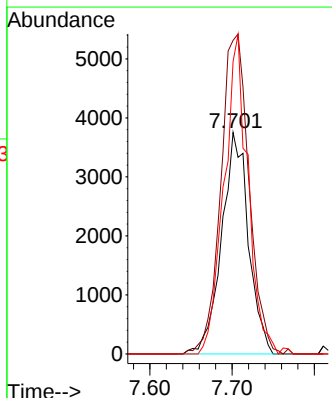
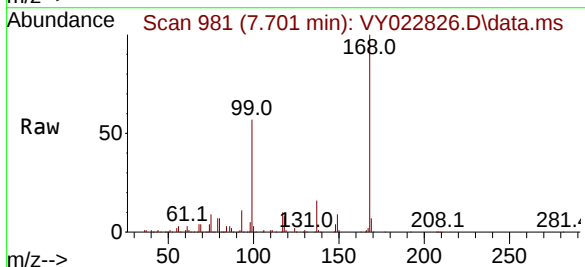
Tgt Ion: 56 Resp: 8505

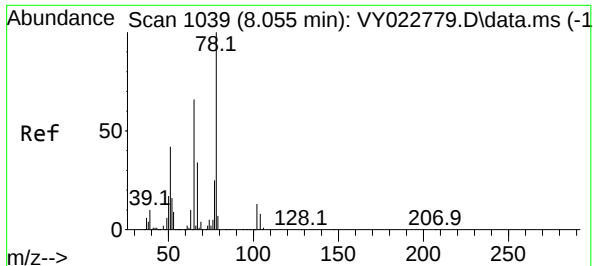
Ion Ratio Lower Upper

56 100

69 141.6 27.0 40.6#

84 132.1 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 46.549 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022826.D

Acq: 25 Jun 2025 15:42

Instrument :

MSVOA_Y

ClientSampleId :

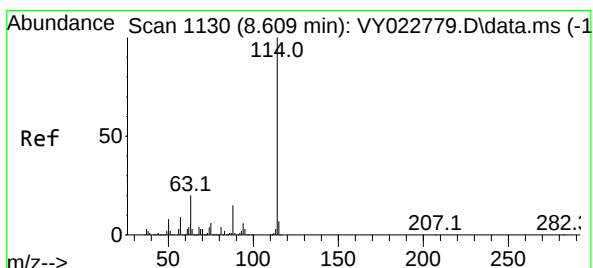
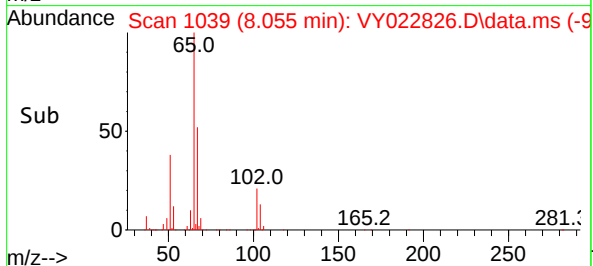
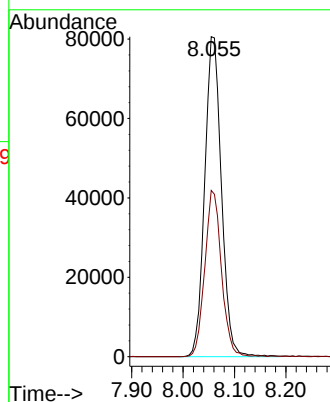
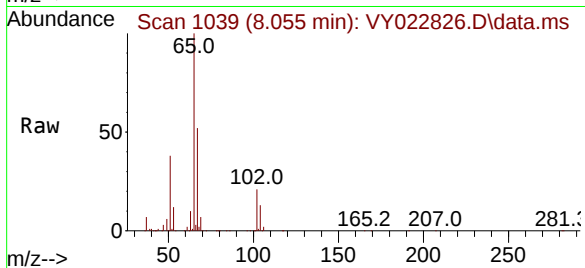
TR-05-062425

Tgt Ion: 65 Resp: 182003

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022826.D

Acq: 25 Jun 2025 15:42

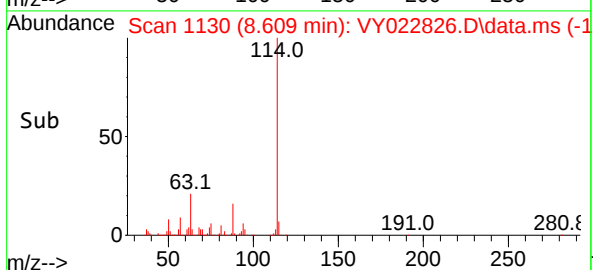
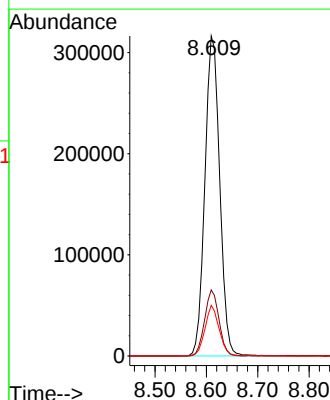
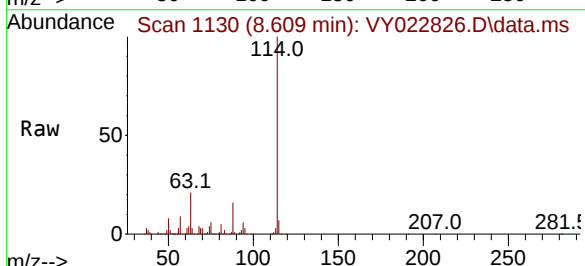
Tgt Ion: 114 Resp: 633228

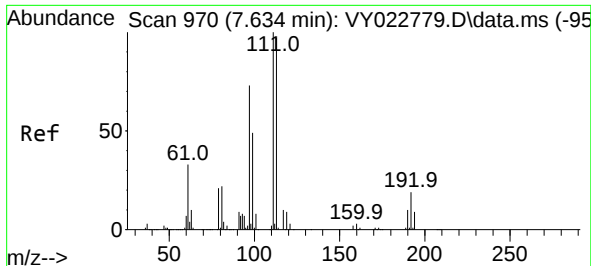
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 15.8 0.0 27.8

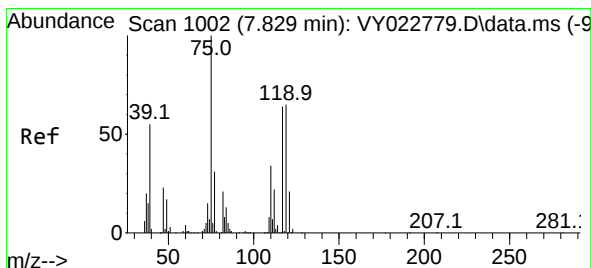
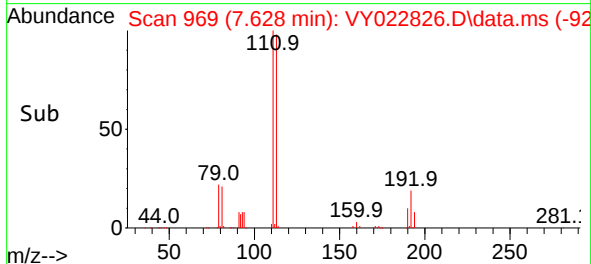
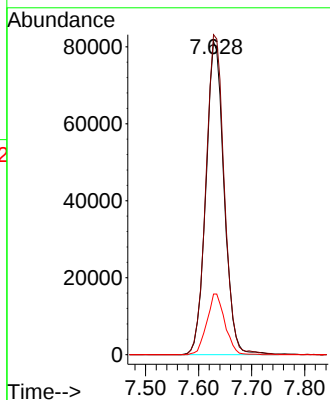
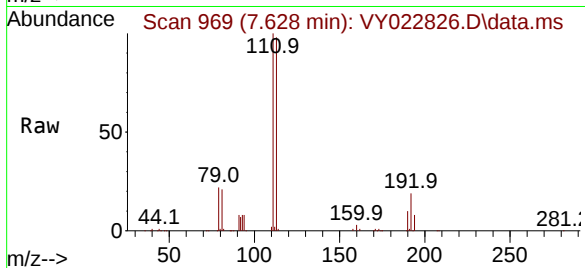




#35
Dibromofluoromethane
Concen: 50.250 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022826.D
Acq: 25 Jun 2025 15:42

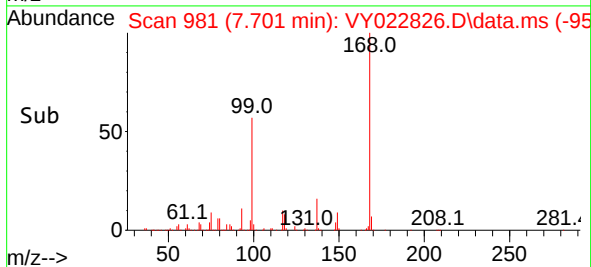
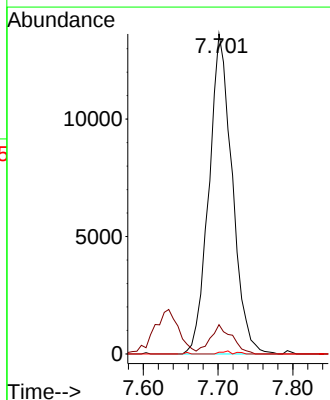
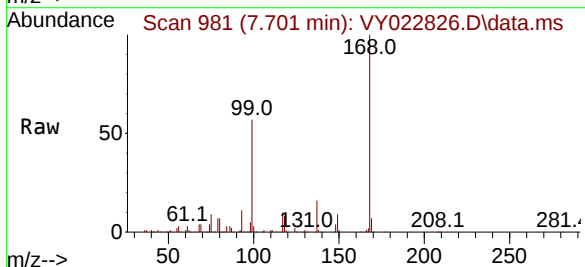
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-062425

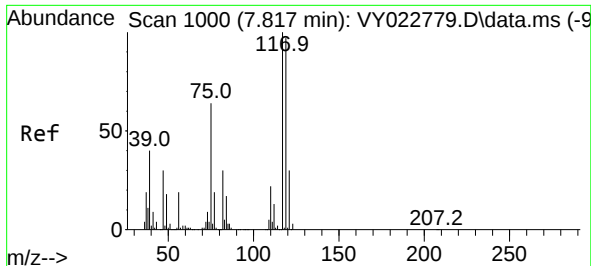
Tgt Ion:113 Resp: 193514
Ion Ratio Lower Upper
113 100
111 103.1 81.1 121.7
192 19.3 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.062 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022826.D
Acq: 25 Jun 2025 15:42

Tgt Ion: 75 Resp: 29546
Ion Ratio Lower Upper
75 100
110 8.5 16.9 50.7#
77 0.5 24.8 37.2#

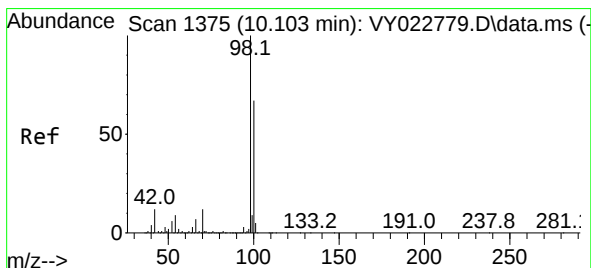
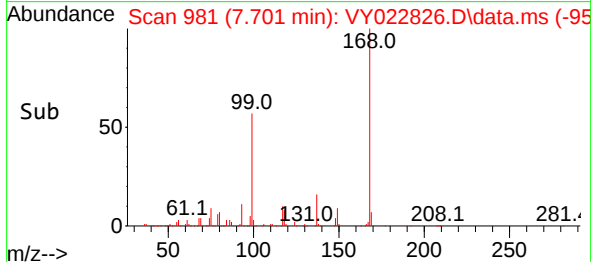
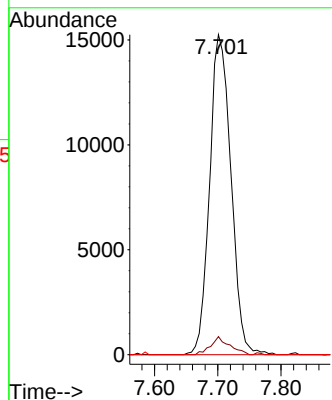
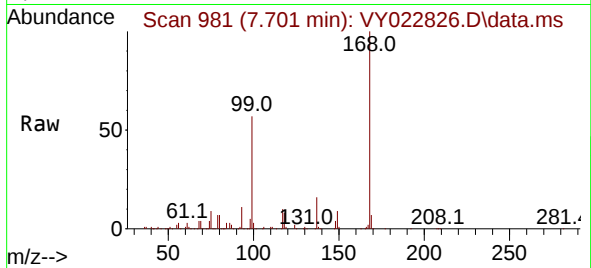




#38
Carbon Tetrachloride
Concen: 5.804 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY022826.D
Acq: 25 Jun 2025 15:42

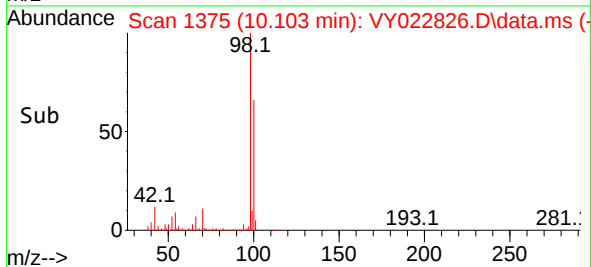
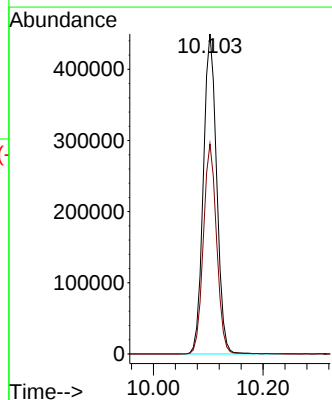
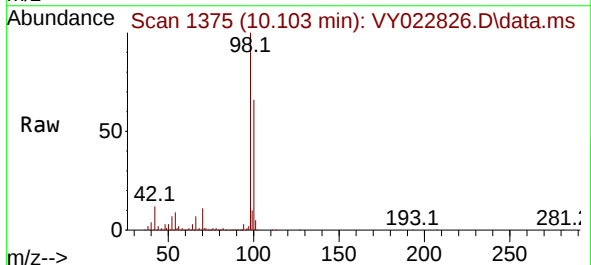
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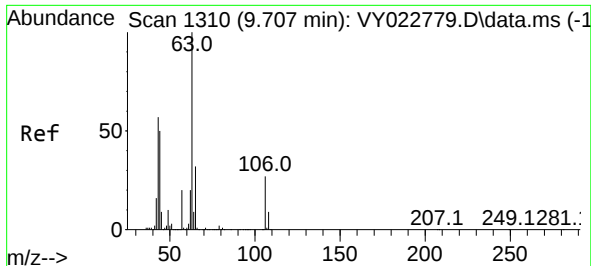
Tgt Ion:117 Resp: 35746
Ion Ratio Lower Upper
117 100
119 5.7 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.643 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022826.D
Acq: 25 Jun 2025 15:42

Tgt Ion: 98 Resp: 758609
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0

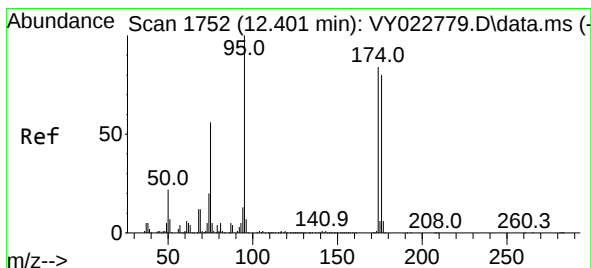
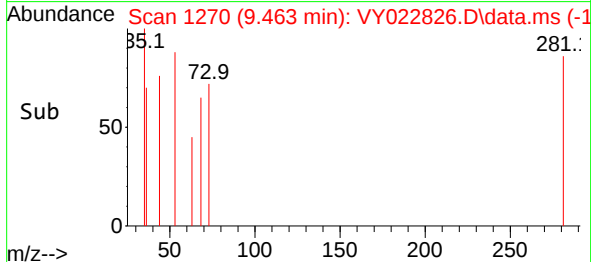
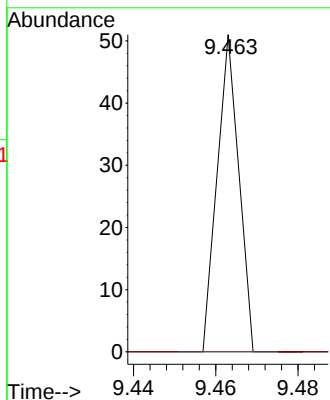
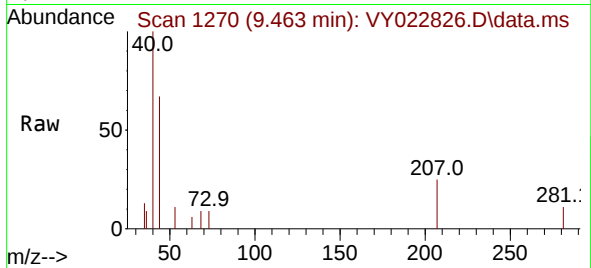




#58
2-Chloroethyl Vinyl ether
Concen: 15.663 ug/l
RT: 9.463 min Scan# 11
Delta R.T. -0.250 min
Lab File: VY022826.D
Acq: 25 Jun 2025 15:42

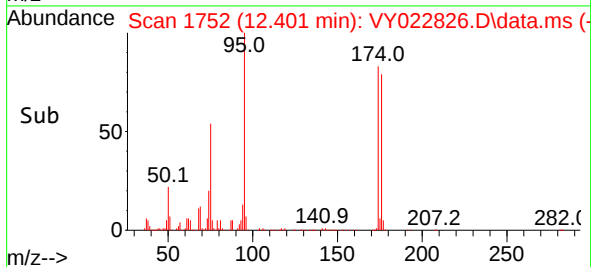
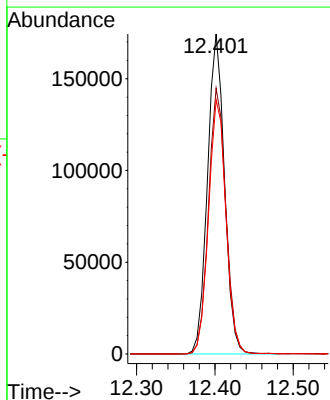
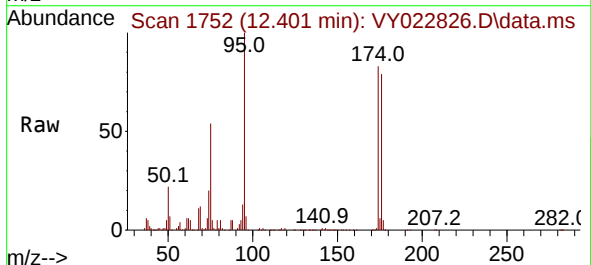
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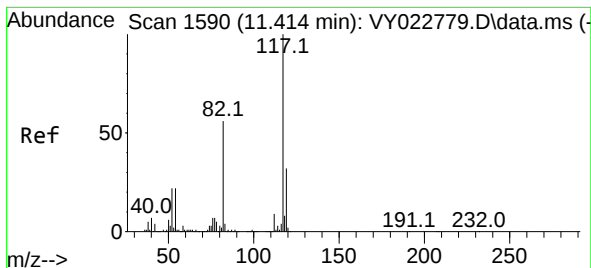
Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 53.477 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022826.D
Acq: 25 Jun 2025 15:42

Tgt Ion: 95 Resp: 262703
Ion Ratio Lower Upper
95 100
174 84.9 0.0 170.0
176 81.4 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: VY022826.D

Acq: 25 Jun 2025 15:42

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-062425

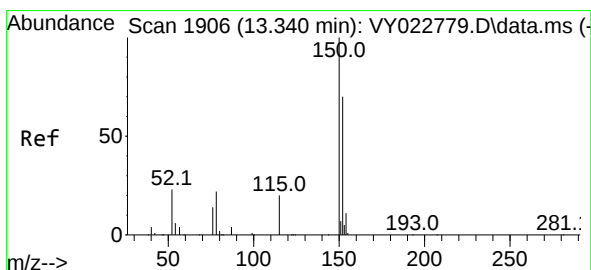
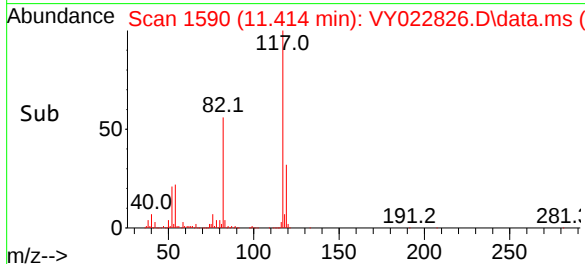
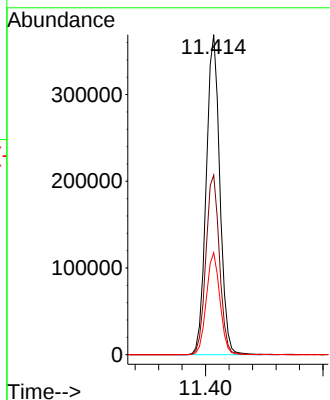
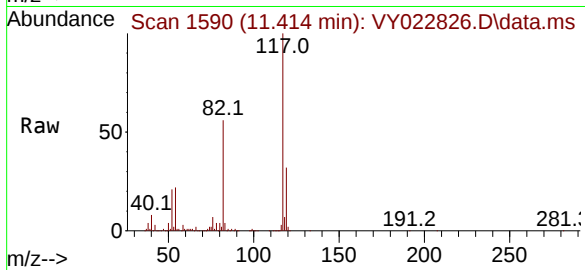
Tgt Ion:117 Resp: 593210

Ion Ratio Lower Upper

117 100

82 56.1 44.6 66.8

119 31.8 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: VY022826.D

Acq: 25 Jun 2025 15:42

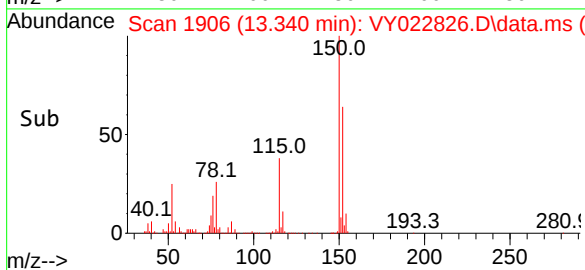
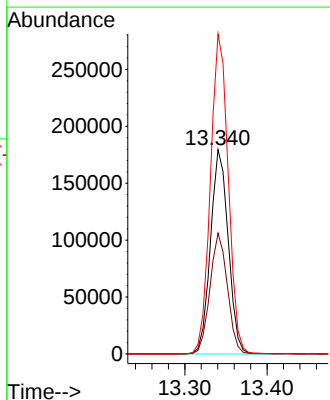
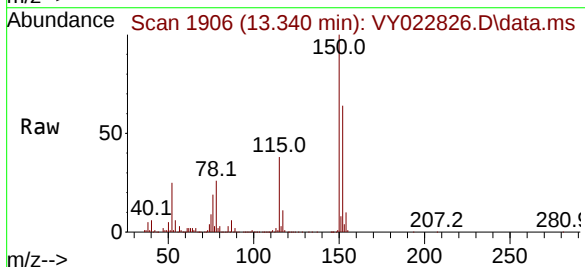
Tgt Ion:152 Resp: 269110

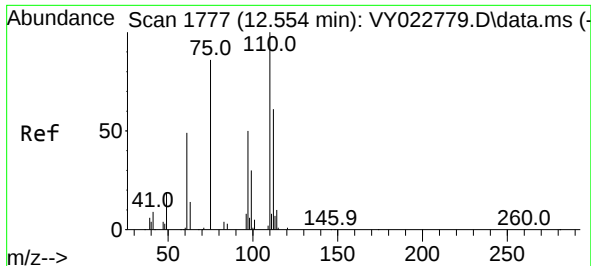
Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

150 157.0 0.0 349.6

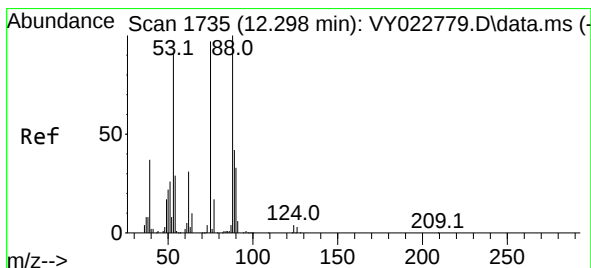
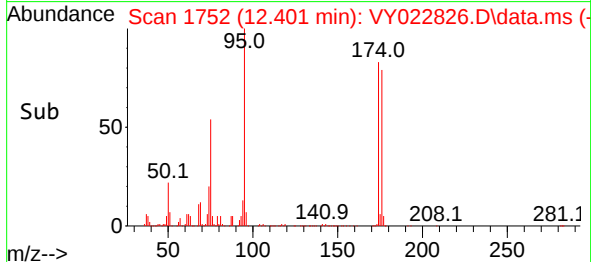
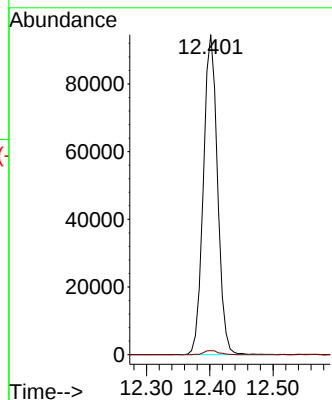
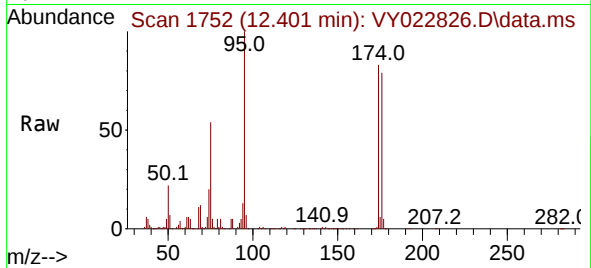




#76
1,2,3-Trichloropropane
Concen: 53.648 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022826.D
Acq: 25 Jun 2025 15:42

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-062425

Tgt Ion: 75 Resp: 147393
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.537 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022826.D
Acq: 25 Jun 2025 15:42

Tgt Ion: 75 Resp: 147393
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

