

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022831.D
 Acq On : 25 Jun 2025 17:39
 Operator : SY/MD
 Sample : Q2425-01
 Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Quant Time: Jun 26 01:29:11 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)

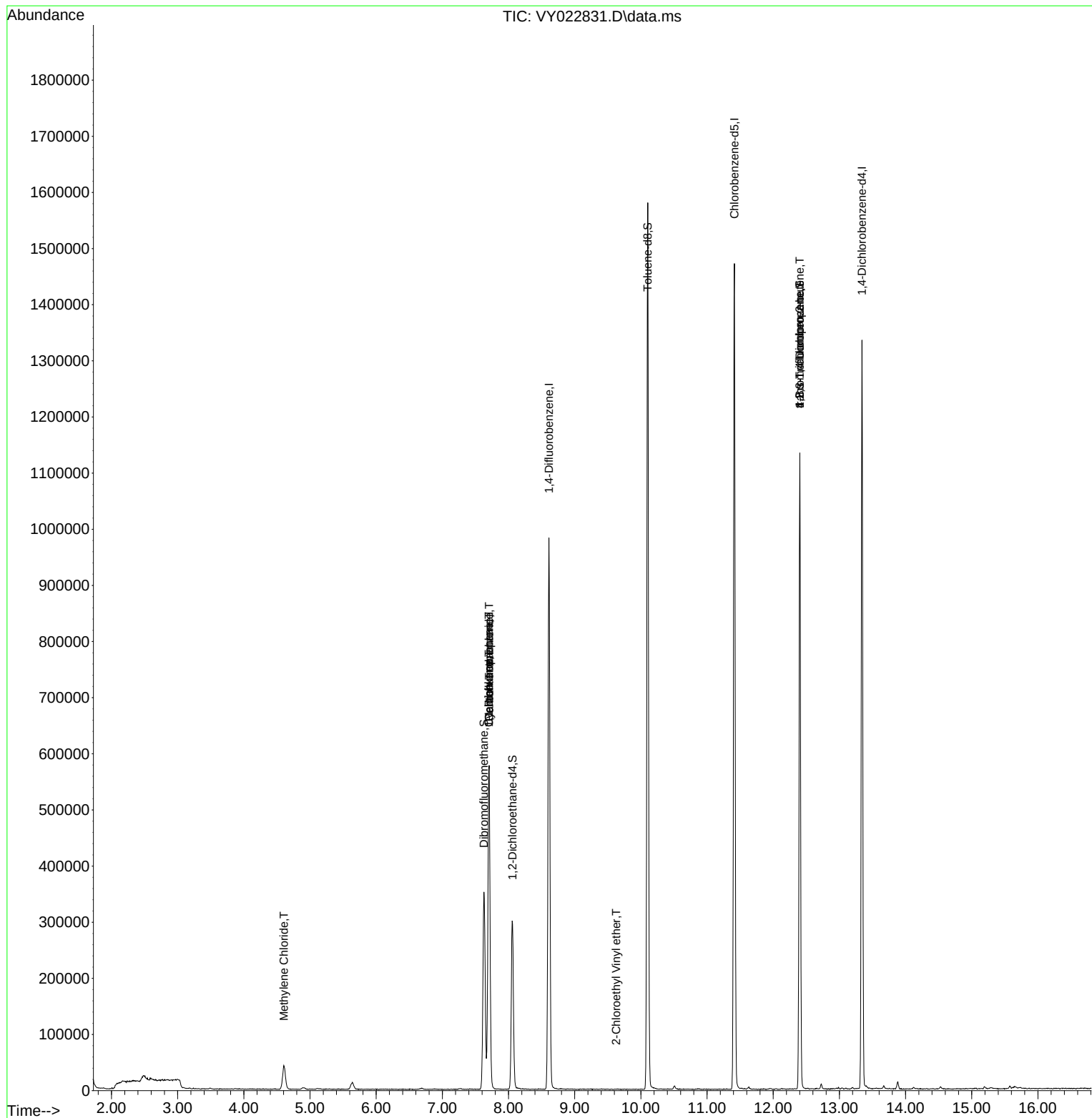
Internal Standards						
1) Pentafluorobenzene	7.707	168	439139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	824260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	766377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	315122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	237858	48.530	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.060%
35) Dibromofluoromethane	7.628	113	249787	49.830	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.660%
50) Toluene-d8	10.103	98	995552	50.050	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.100%
62) 4-Bromofluorobenzene	12.401	95	320893	50.183	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.360%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.604	84	30792	5.263	ug/l	96
31) Cyclohexane	7.701	56	10605	1.260	ug/l #	19
36) 1,1-Dichloropropene	7.701	75	37018	4.872	ug/l #	50
38) Carbon Tetrachloride	7.707	117	44766	5.584	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.628	63	41	15.669	ug/l #	49
76) 1,2,3-Trichloropropane	12.401	75	177498	55.173	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	177498	139.388	ug/l #	10

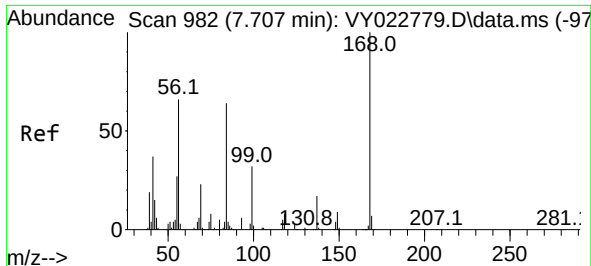
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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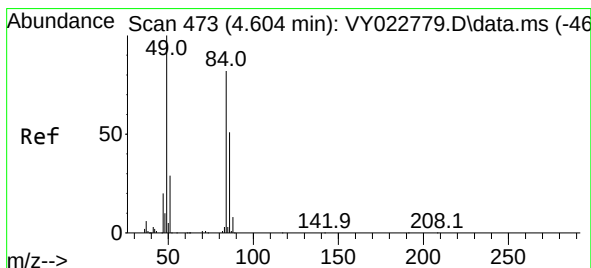
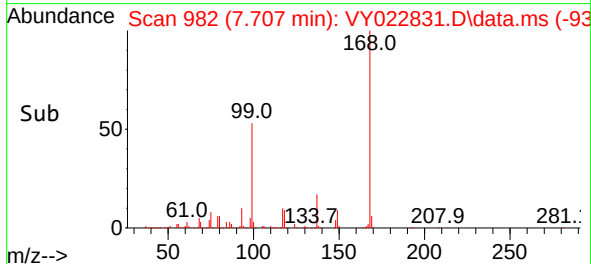
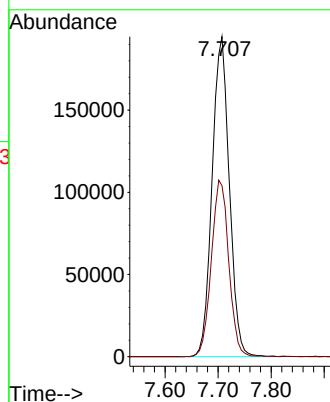
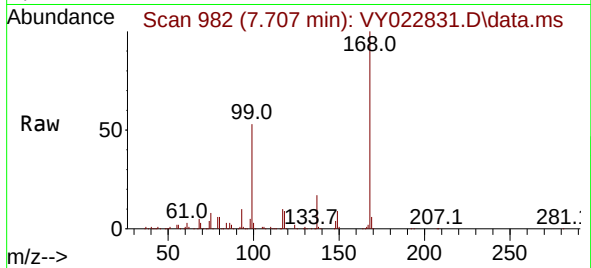




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022831.D
Acq: 25 Jun 2025 17:39

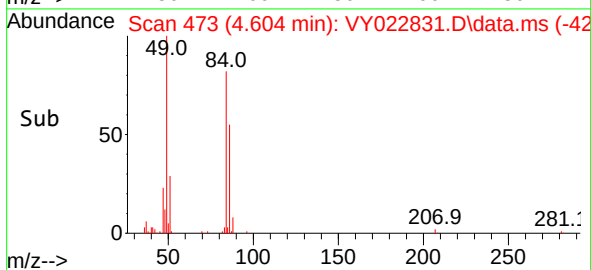
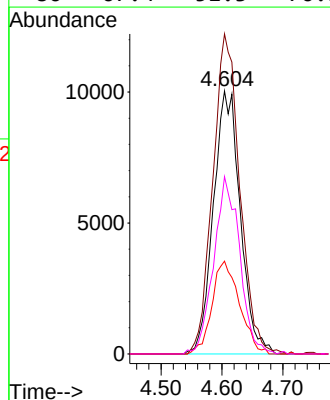
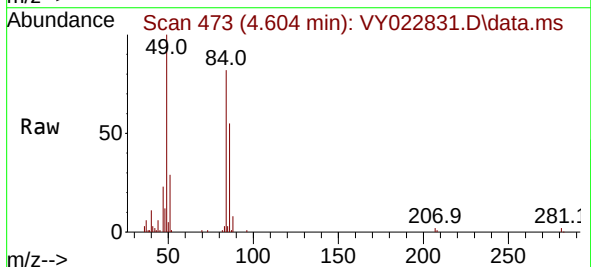
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

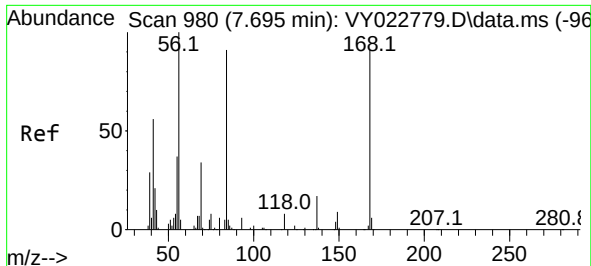
Tgt Ion:168 Resp: 439139
Ion Ratio Lower Upper
168 100
99 53.5 44.3 66.5



#20
Methylene Chloride
Concen: 5.263 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY022831.D
Acq: 25 Jun 2025 17:39

Tgt Ion: 84 Resp: 30792
Ion Ratio Lower Upper
84 100
49 121.7 101.9 152.9
51 35.3 29.8 44.8
86 67.4 51.3 76.9

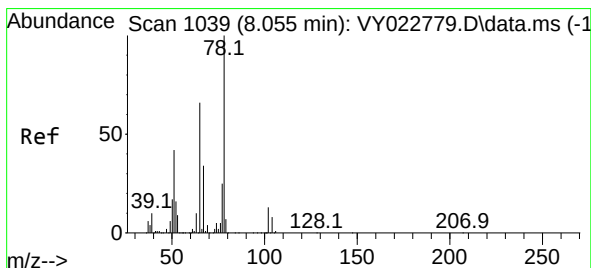
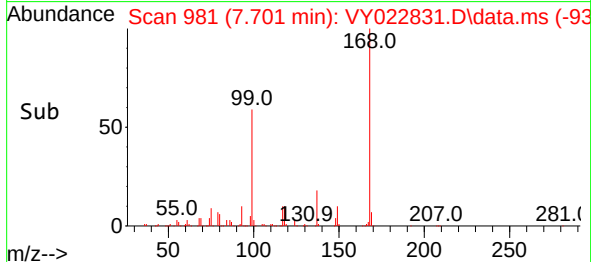
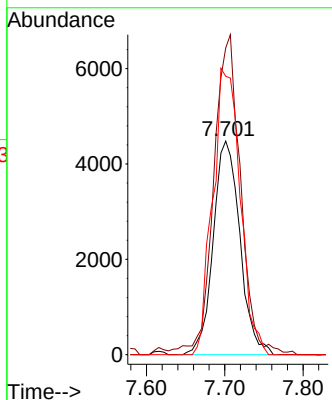
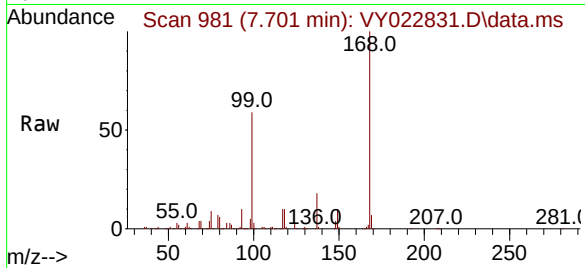




#31
Cyclohexane
Concen: 1.260 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022831.D
Acq: 25 Jun 2025 17:39

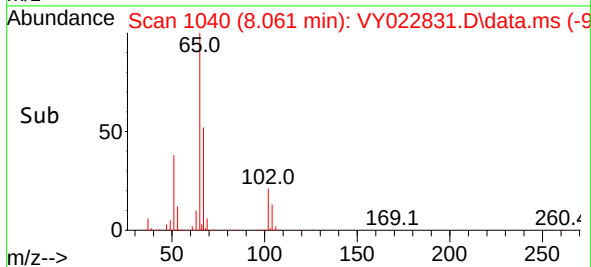
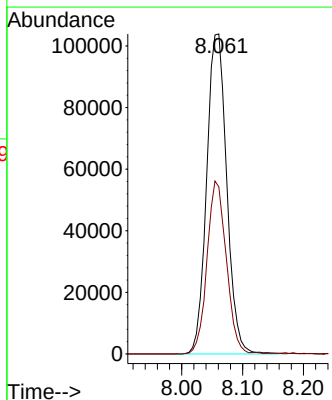
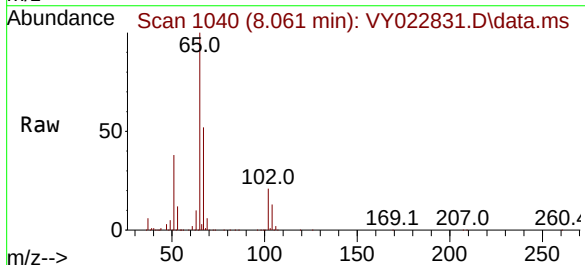
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

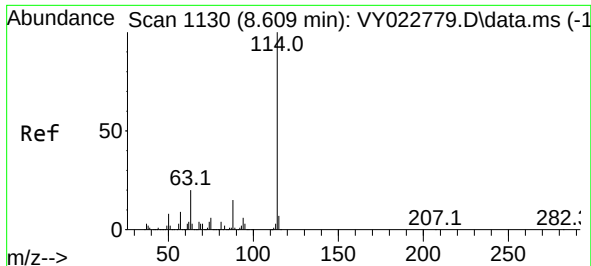
Tgt Ion: 56 Resp: 10605
Ion Ratio Lower Upper
56 100
69 140.8 27.0 40.6#
84 130.3 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 48.530 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022831.D
Acq: 25 Jun 2025 17:39

Tgt Ion: 65 Resp: 237858
Ion Ratio Lower Upper
65 100
67 52.0 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: VY022831.D

Acq: 25 Jun 2025 17:39

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1

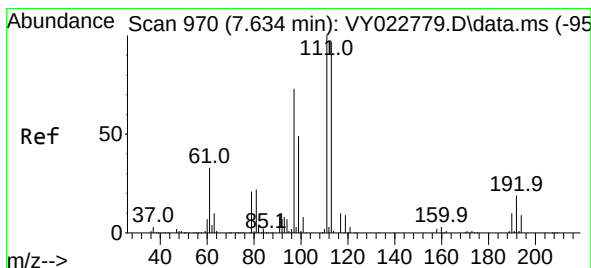
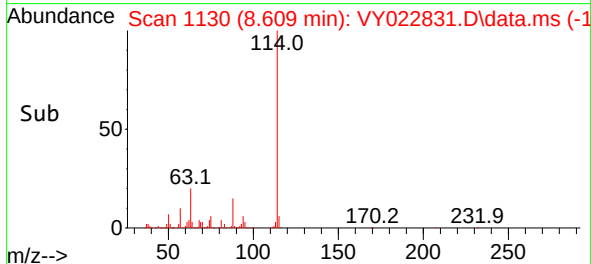
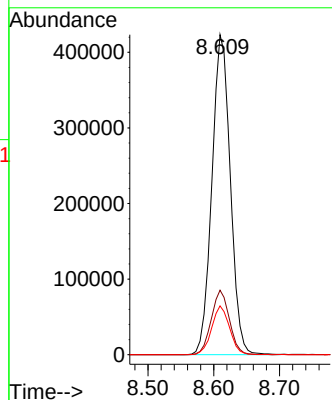
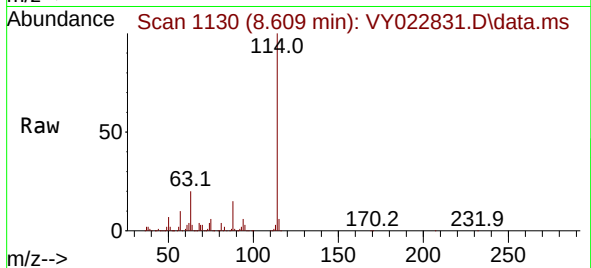
Tgt Ion:114 Resp: 824260

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 15.3 0.0 27.8



#35

Dibromofluoromethane

Concen: 49.830 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022831.D

Acq: 25 Jun 2025 17:39

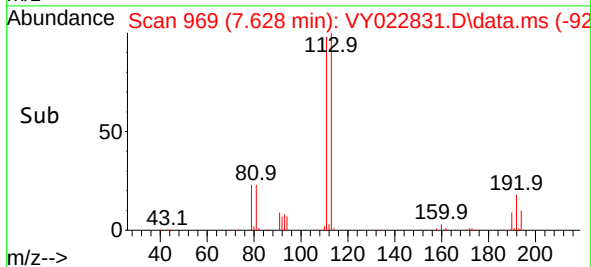
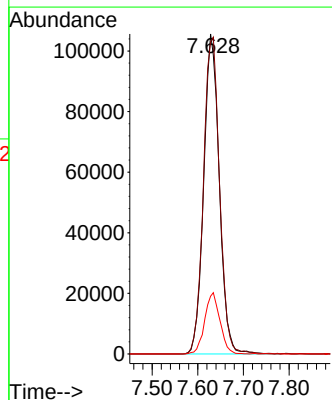
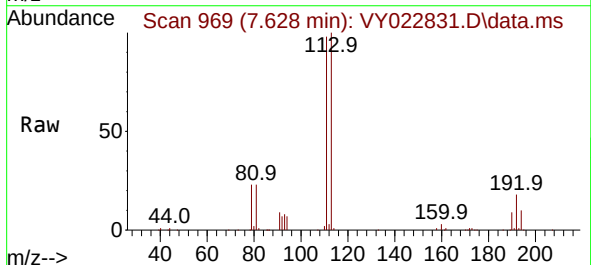
Tgt Ion:113 Resp: 249787

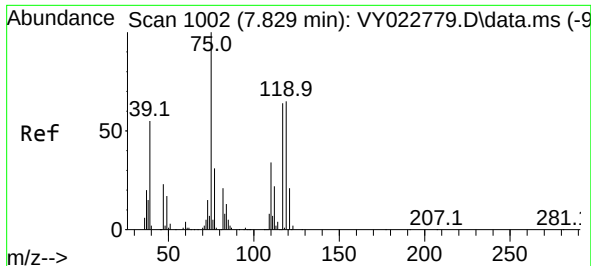
Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

192 18.8 14.2 21.2

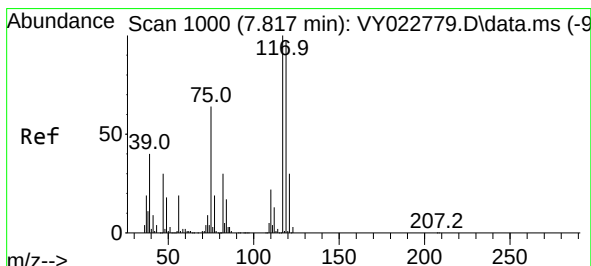
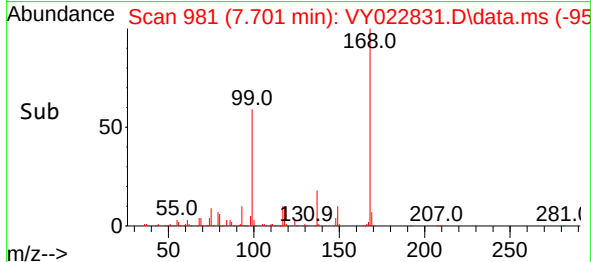
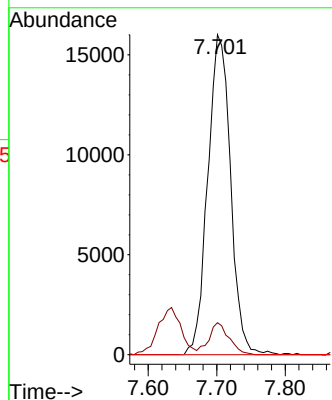
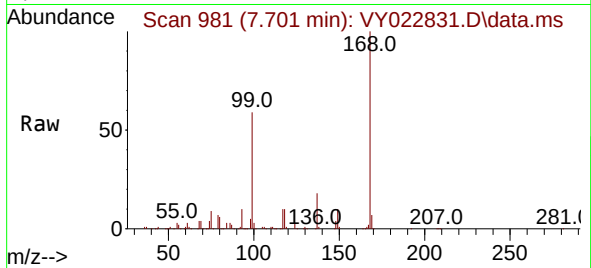




#36
1,1-Dichloropropene
Concen: 4.872 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022831.D
Acq: 25 Jun 2025 17:39

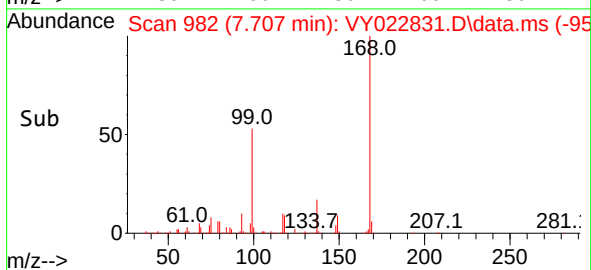
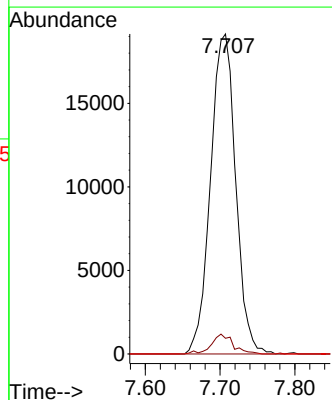
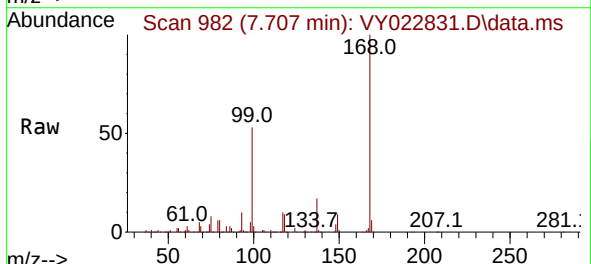
Instrument :
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COMP-1

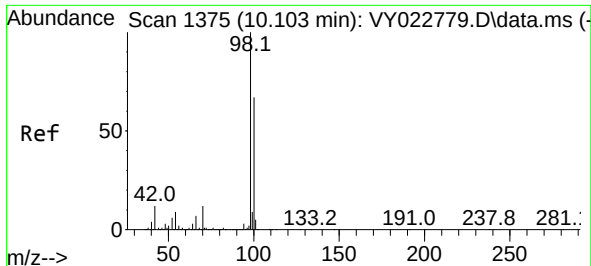
Tgt Ion: 75 Resp: 37018
Ion Ratio Lower Upper
75 100
110 8.8 16.9 50.7#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.584 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY022831.D
Acq: 25 Jun 2025 17:39

Tgt Ion: 117 Resp: 44766
Ion Ratio Lower Upper
117 100
119 4.9 75.0 112.6#
121 0.0 25.0 37.4#

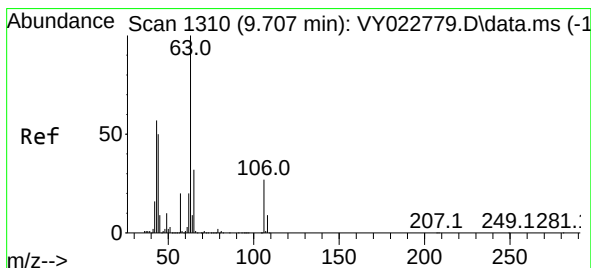
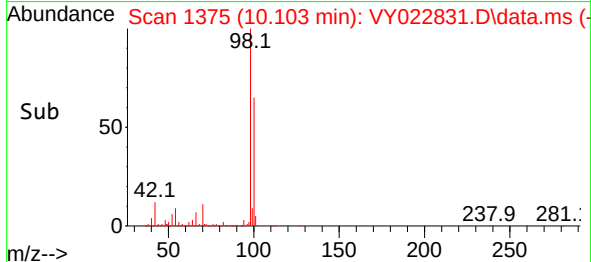
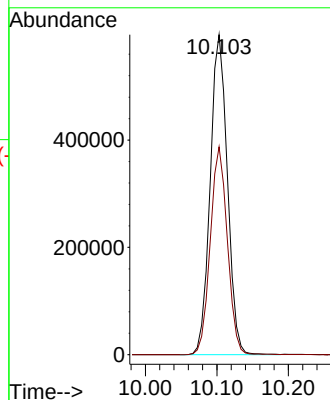
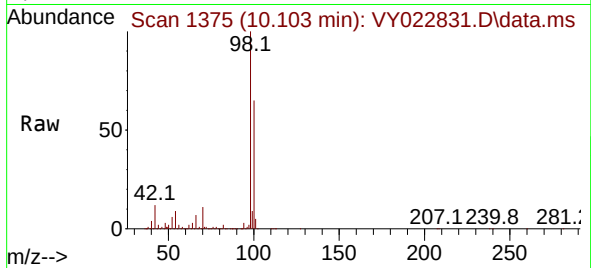




#50
Toluene-d8
Concen: 50.050 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022831.D
Acq: 25 Jun 2025 17:39

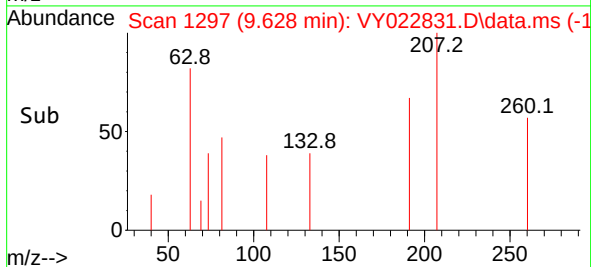
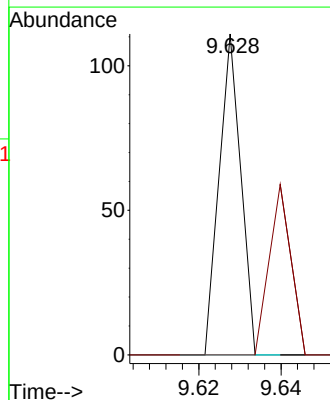
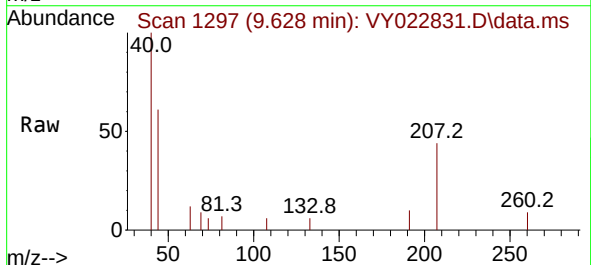
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

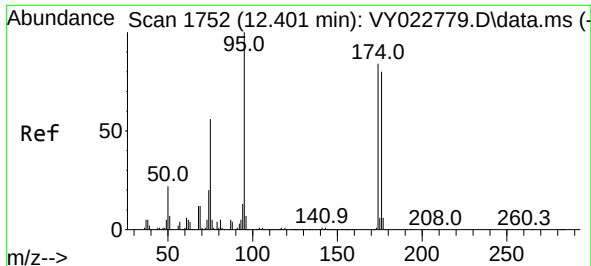
Tgt Ion: 98 Resp: 995552
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.669 ug/l
RT: 9.628 min Scan# 1297
Delta R.T. -0.085 min
Lab File: VY022831.D
Acq: 25 Jun 2025 17:39

Tgt Ion: 63 Resp: 41
Ion Ratio Lower Upper
63 100
106 53.7 21.6 32.4#

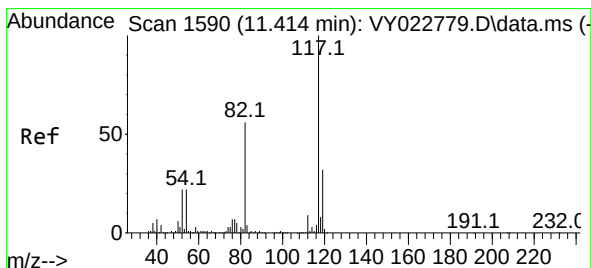
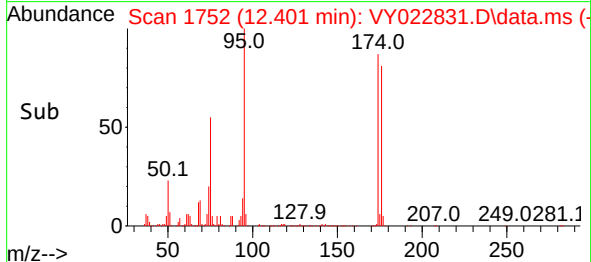
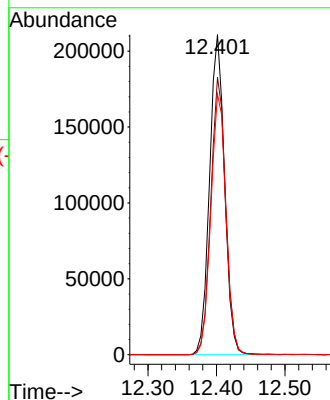
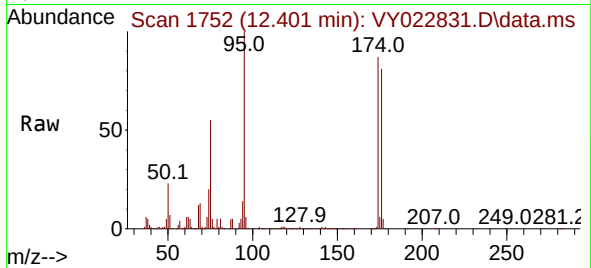




#62
4-Bromofluorobenzene
Concen: 50.183 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022831.D
Acq: 25 Jun 2025 17:39

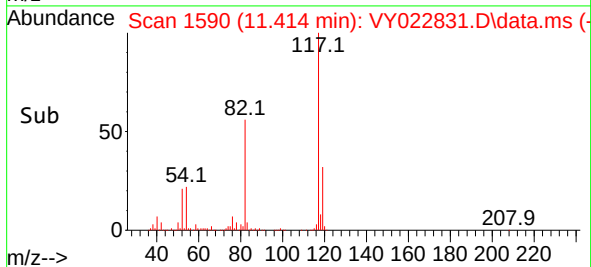
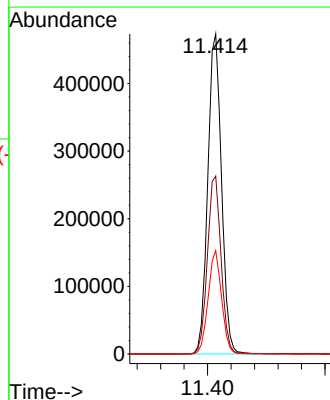
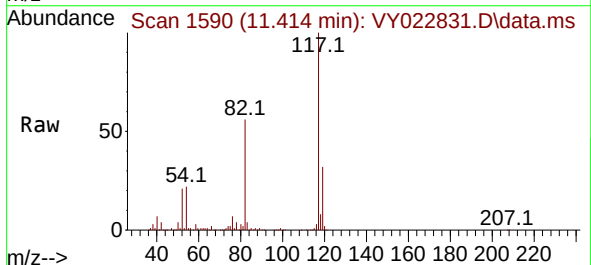
Instrument :
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ClientSampleId :
COMP-1

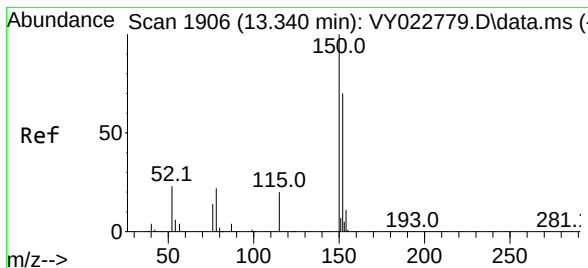
Tgt Ion: 95 Resp: 320893
Ion Ratio Lower Upper
95 100
174 86.7 0.0 170.0
176 82.2 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022831.D
Acq: 25 Jun 2025 17:39

Tgt Ion: 117 Resp: 766377
Ion Ratio Lower Upper
117 100
82 55.6 44.6 66.8
119 32.3 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: VY022831.D

Acq: 25 Jun 2025 17:39

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1

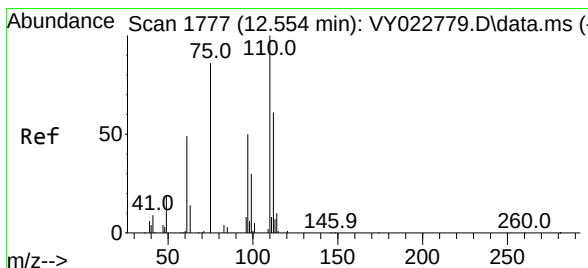
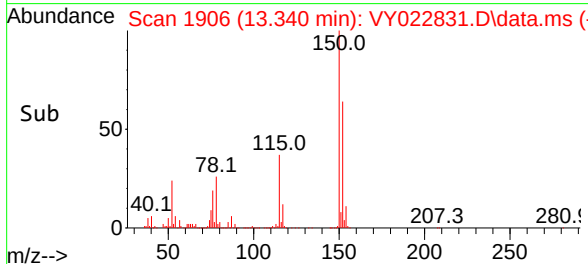
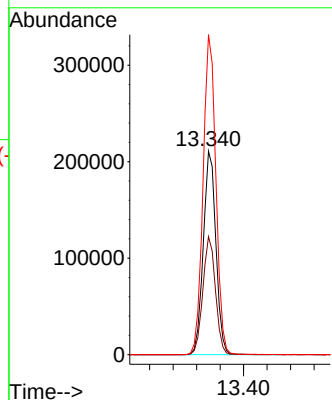
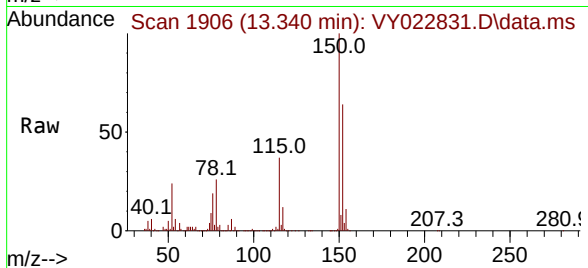
Tgt Ion:152 Resp: 315122

Ion Ratio Lower Upper

152 100

115 57.9 28.9 86.7

150 159.3 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 55.173 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022831.D

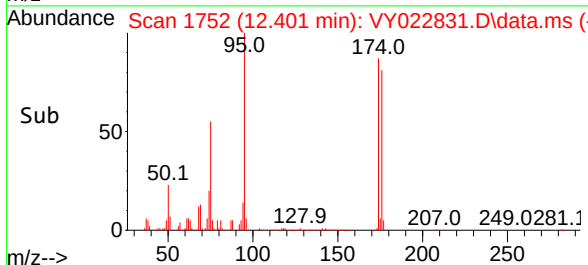
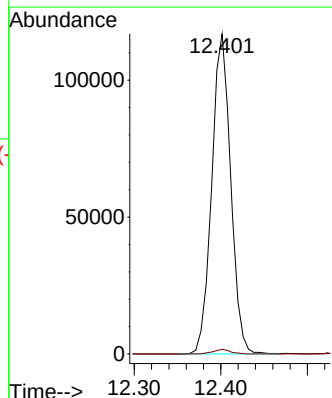
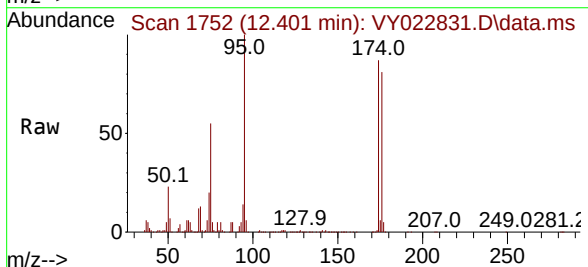
Acq: 25 Jun 2025 17:39

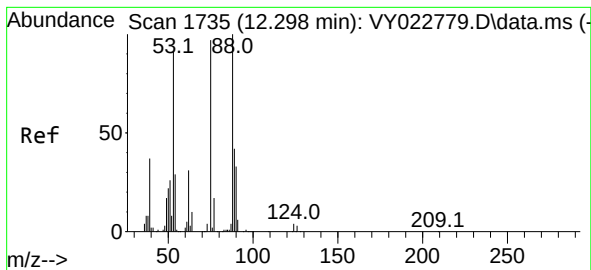
Tgt Ion: 75 Resp: 177498

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.388 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022831.D
 Acq: 25 Jun 2025 17:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Tgt Ion: 75 Resp: 177498
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 35.7 53.5#

