

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022808.D
 Acq On : 24 Jun 2025 19:23
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 25 01:31:28 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)

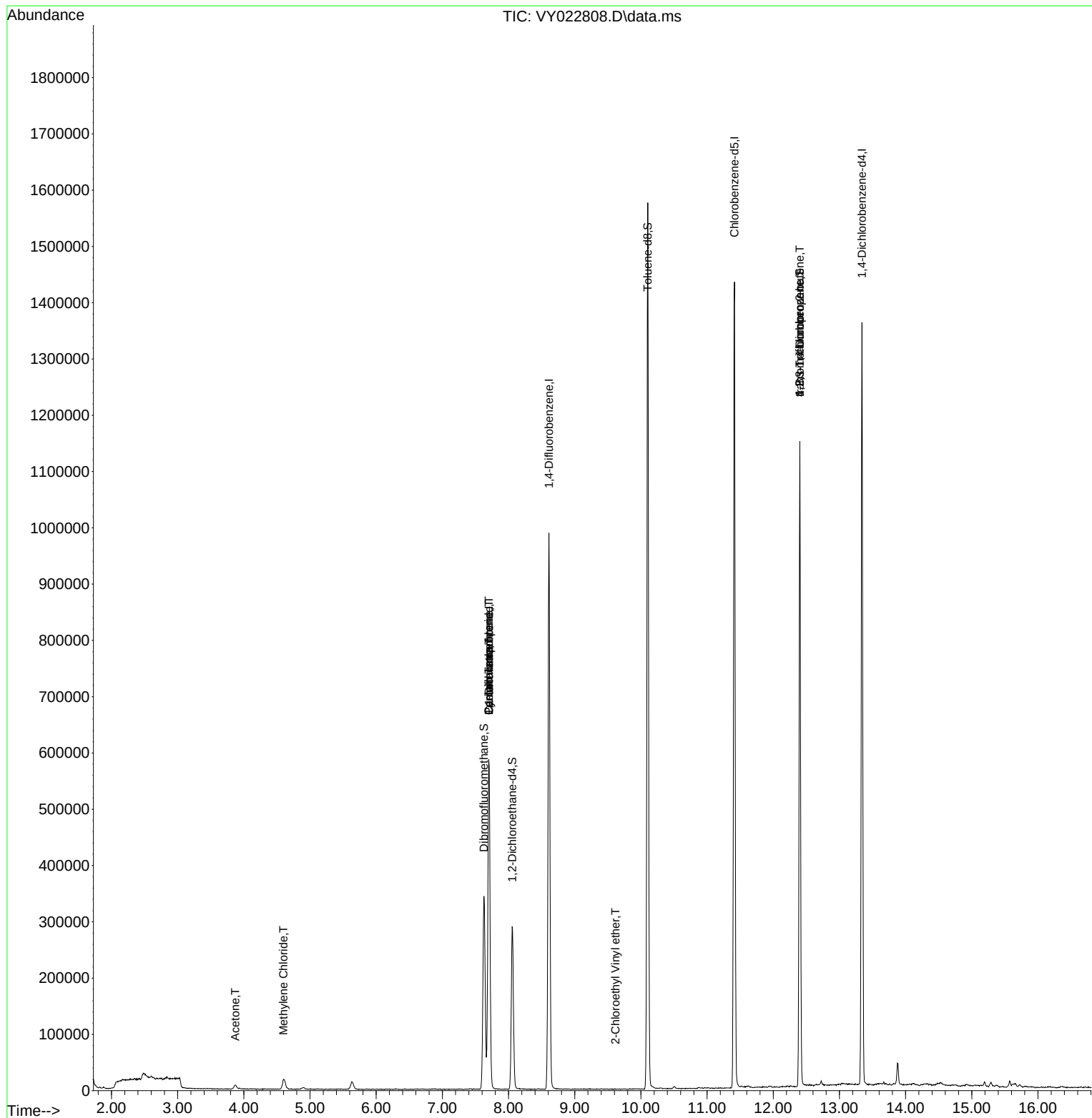
Internal Standards						
1) Pentafluorobenzene	7.701	168	451392	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	818670	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	740202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	324221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	229065	45.468	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.940%
35) Dibromofluoromethane	7.628	113	241563	48.519	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.040%
50) Toluene-d8	10.103	98	975229	49.363	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.720%
62) 4-Bromofluorobenzene	12.402	95	317342	49.967	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.940%
Target Compounds					Qvalue	
16) Acetone	3.873	43	14046	14.751	ug/l	95
20) Methylene Chloride	4.598	84	13436	2.234	ug/l #	77
31) Cyclohexane	7.701	56	10945	1.265	ug/l #	10
36) 1,1-Dichloropropene	7.701	75	37464	4.964	ug/l #	50
38) Carbon Tetrachloride	7.701	117	45566	5.722	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.616	63	19	15.662	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	180635	54.572	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	180635	137.871	ug/l #	11

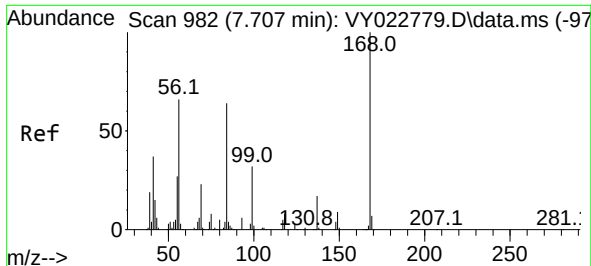
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
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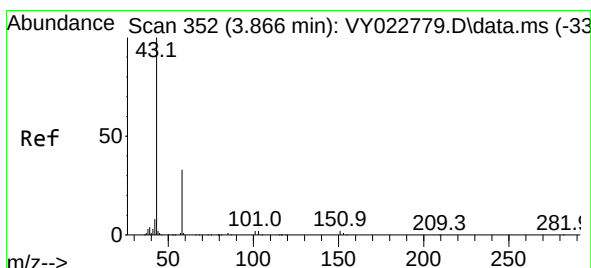
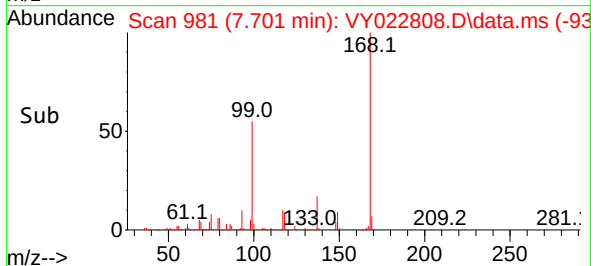
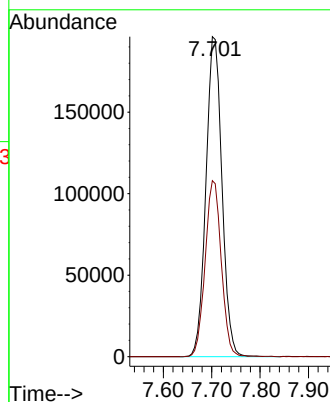
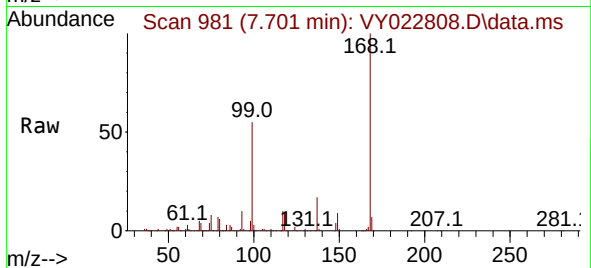




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022808.D
Acq: 24 Jun 2025 19:23

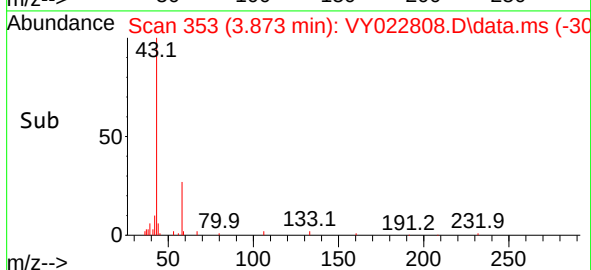
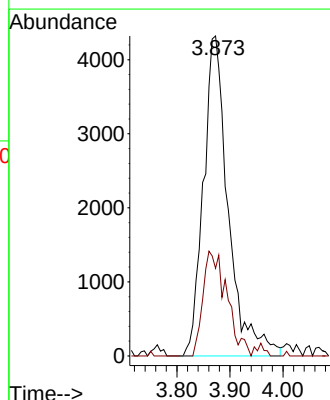
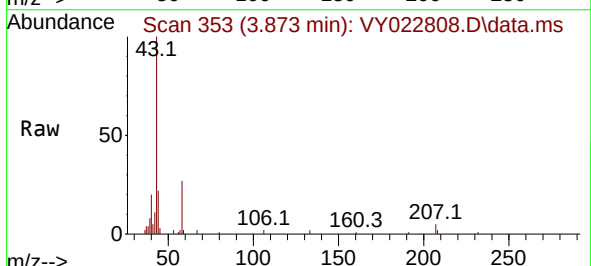
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

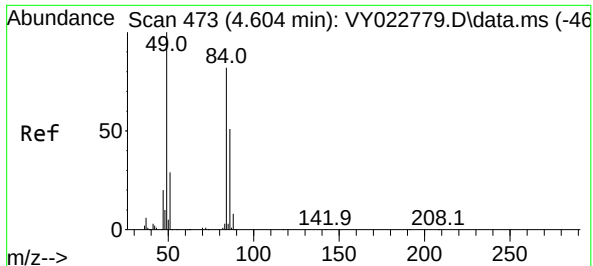
Tgt Ion:168 Resp: 451392
Ion Ratio Lower Upper
168 100
99 55.0 44.3 66.5



#16
Acetone
Concen: 14.751 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022808.D
Acq: 24 Jun 2025 19:23

Tgt Ion: 43 Resp: 14046
Ion Ratio Lower Upper
43 100
58 27.4 24.0 36.0

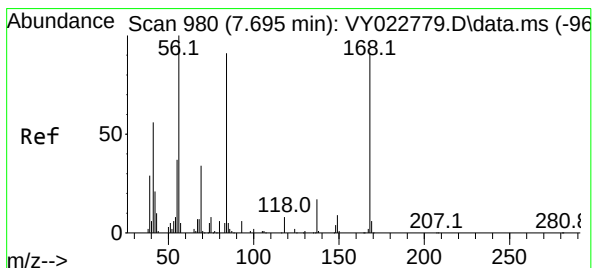
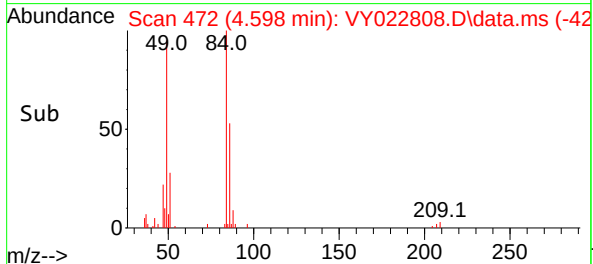
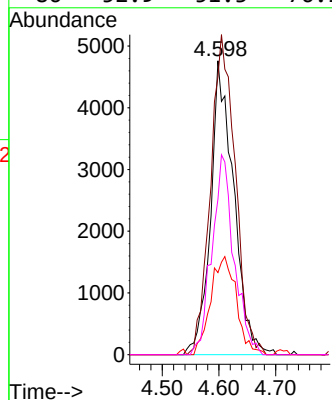
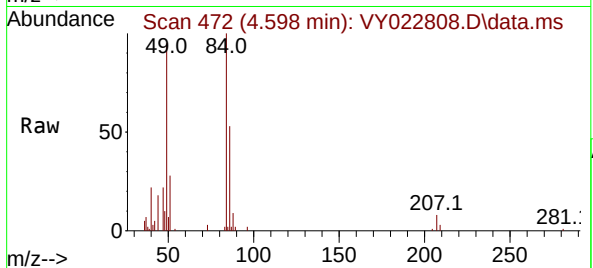




#20
Methylene Chloride
Concen: 2.234 ug/l
RT: 4.598 min Scan# 41
Delta R.T. -0.024 min
Lab File: VY022808.D
Acq: 24 Jun 2025 19:23

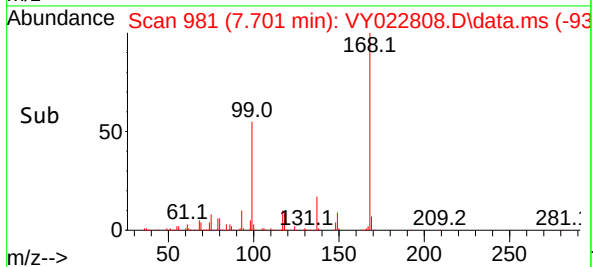
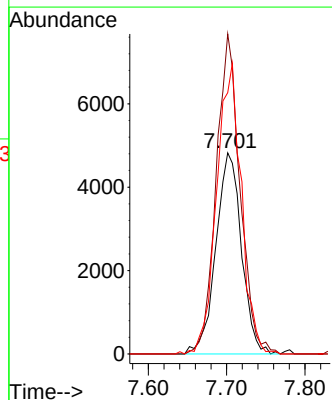
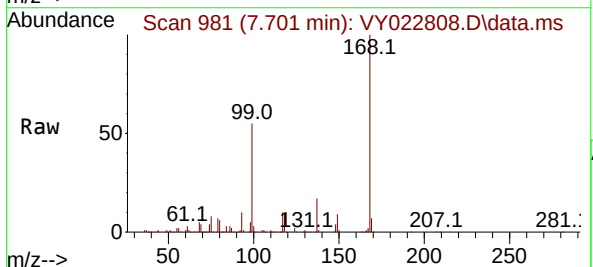
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

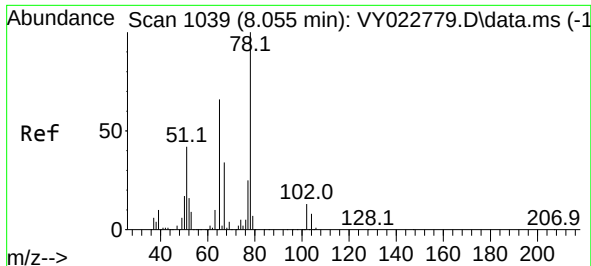
Tgt Ion:	84	Resp:	13436
Ion	Ratio	Lower	Upper
84	100		
49	94.6	101.9	152.9#
51	26.8	29.8	44.8#
86	52.9	51.3	76.9



#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022808.D
Acq: 24 Jun 2025 19:23

Tgt Ion:	56	Resp:	10945
Ion	Ratio	Lower	Upper
56	100		
69	159.1	27.0	40.6#
84	129.9	72.6	109.0#

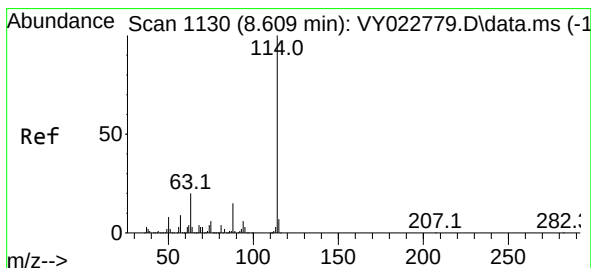
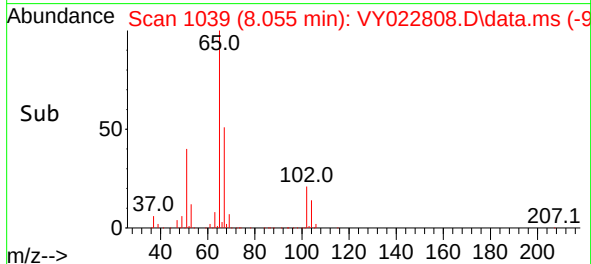
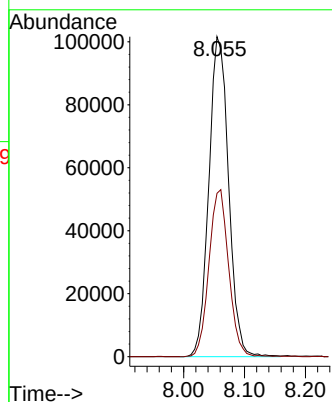
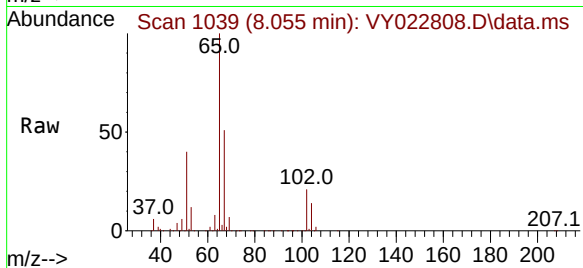




#33
 1,2-Dichloroethane-d4
 Concen: 45.468 ug/l
 RT: 8.055 min Scan# 1039
 Delta R.T. -0.012 min
 Lab File: VY022808.D
 Acq: 24 Jun 2025 19:23

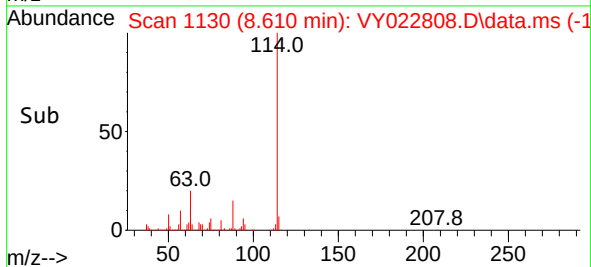
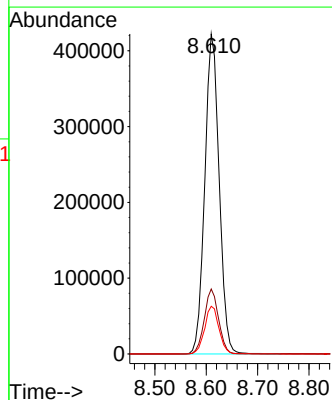
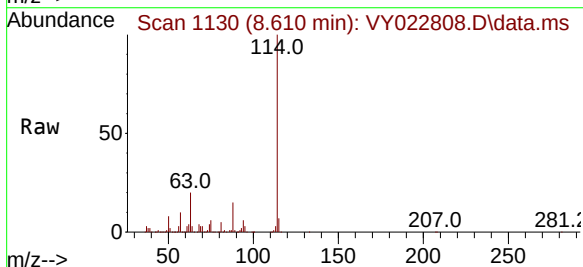
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

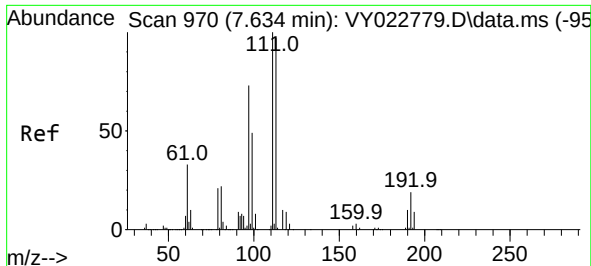
Tgt Ion: 65 Resp: 229065
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.610 min Scan# 1130
 Delta R.T. -0.006 min
 Lab File: VY022808.D
 Acq: 24 Jun 2025 19:23

Tgt Ion: 114 Resp: 818670
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 14.9 0.0 27.8

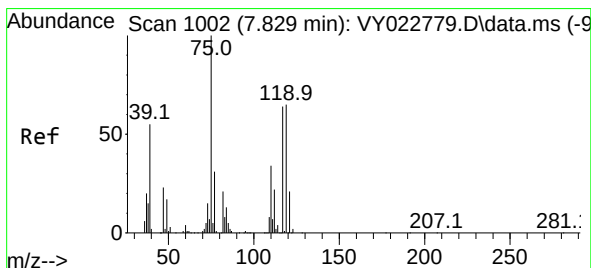
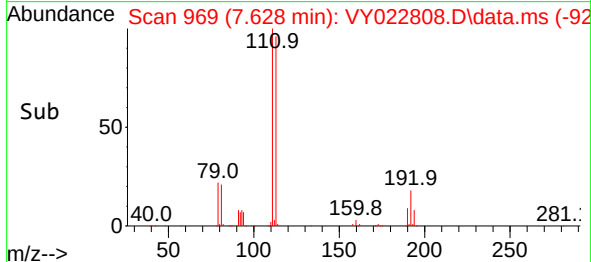
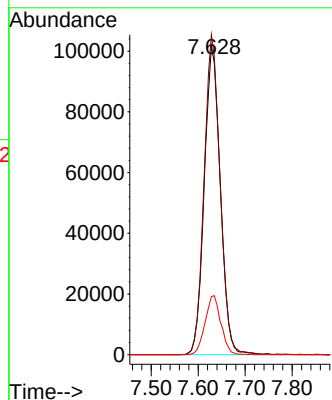
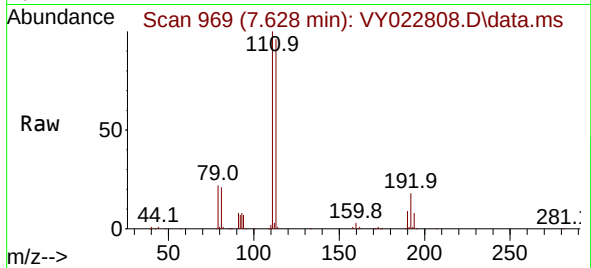




#35
Dibromofluoromethane
Concen: 48.519 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022808.D
Acq: 24 Jun 2025 19:23

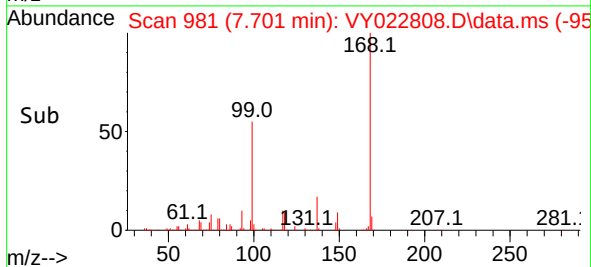
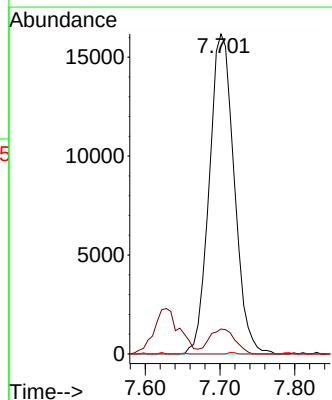
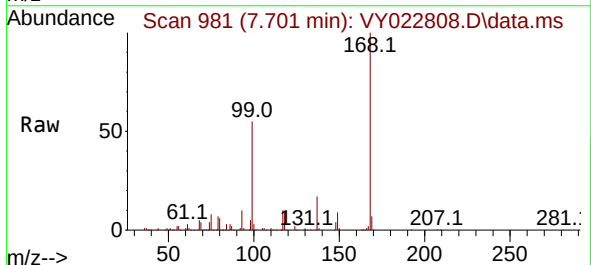
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

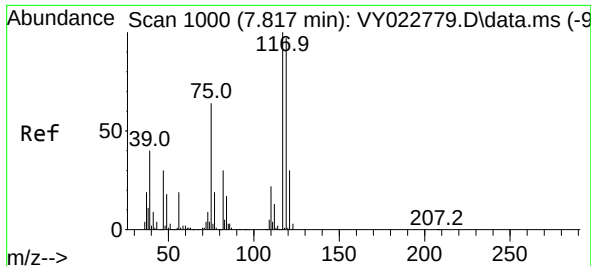
Tgt Ion:113 Resp: 241563
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 18.8 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.964 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022808.D
Acq: 24 Jun 2025 19:23

Tgt Ion: 75 Resp: 37464
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.7#
77 0.1 24.8 37.2#

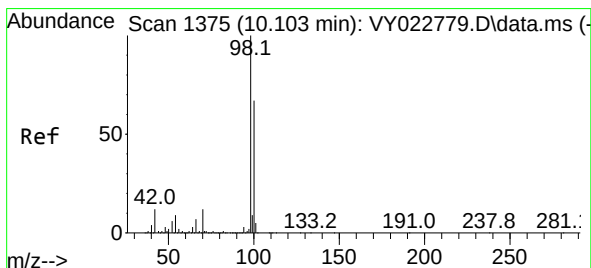
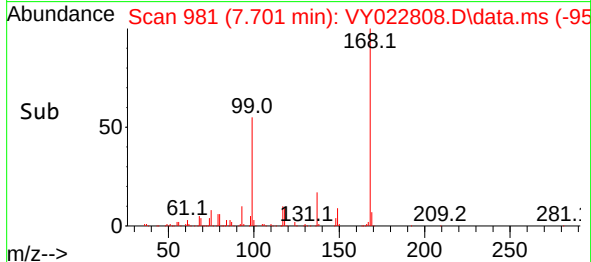
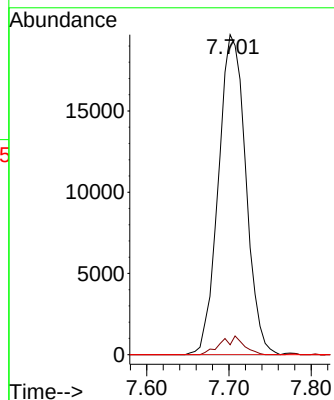
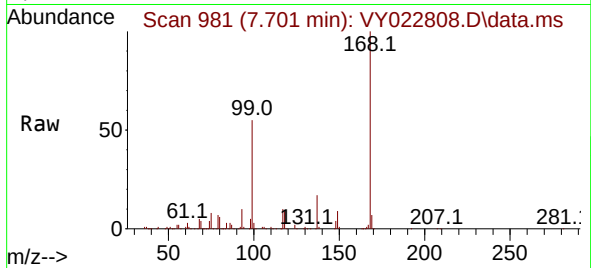




#38
Carbon Tetrachloride
Concen: 5.722 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022808.D
Acq: 24 Jun 2025 19:23

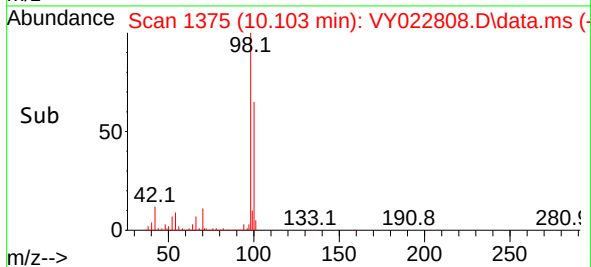
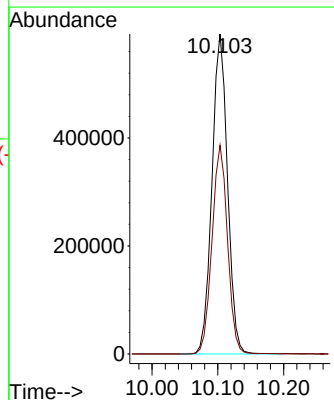
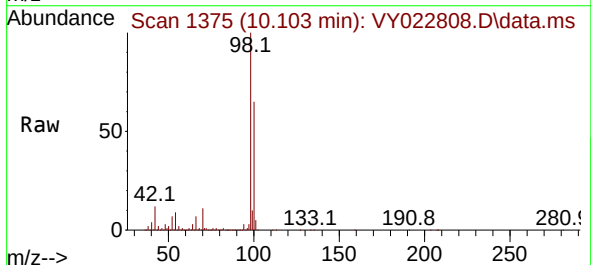
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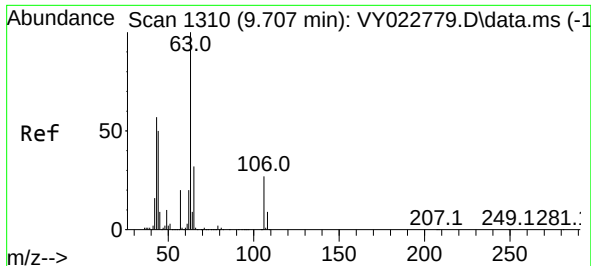
Tgt Ion:117 Resp: 45566
Ion Ratio Lower Upper
117 100
119 3.1 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.363 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022808.D
Acq: 24 Jun 2025 19:23

Tgt Ion: 98 Resp: 975229
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0

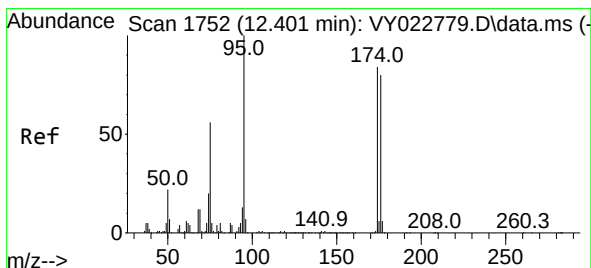
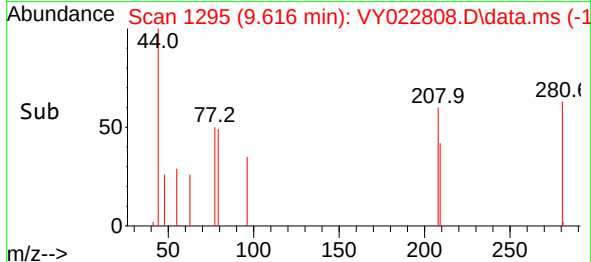
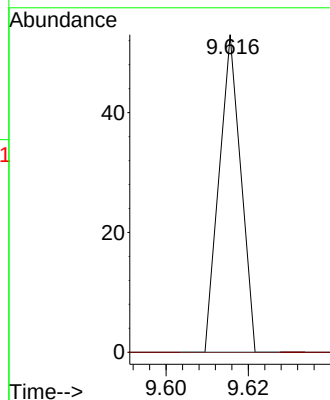
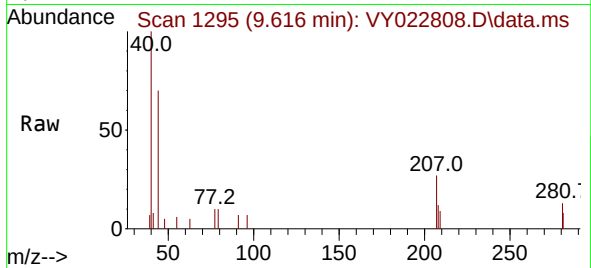




#58
2-Chloroethyl Vinyl ether
Concen: 15.662 ug/l
RT: 9.616 min Scan# 11
Delta R.T. -0.097 min
Lab File: VY022808.D
Acq: 24 Jun 2025 19:23

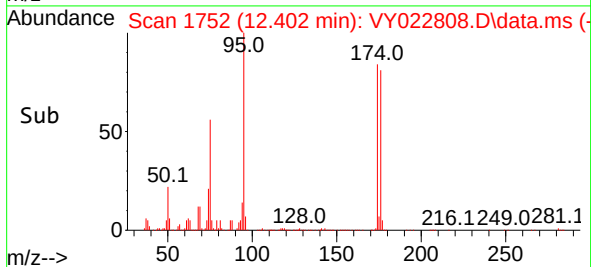
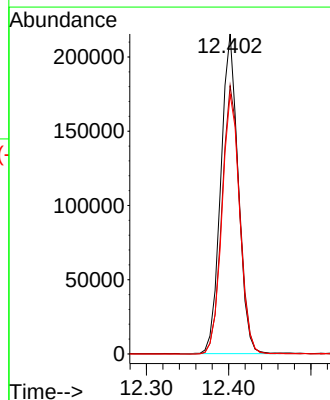
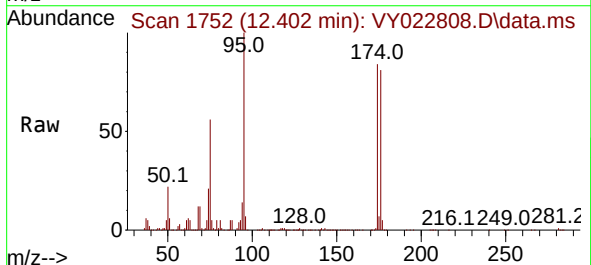
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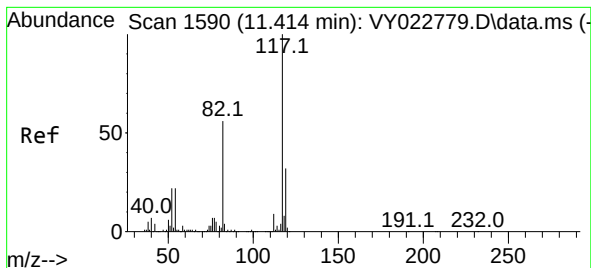
Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 49.967 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022808.D
Acq: 24 Jun 2025 19:23

Tgt Ion: 95 Resp: 317342
Ion Ratio Lower Upper
95 100
174 85.8 0.0 170.0
176 82.7 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: VY022808.D

Acq: 24 Jun 2025 19:23

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

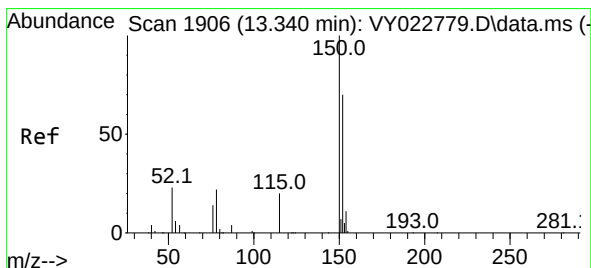
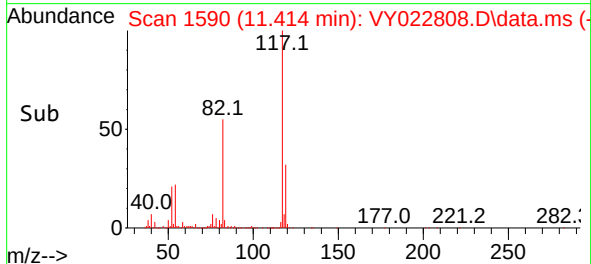
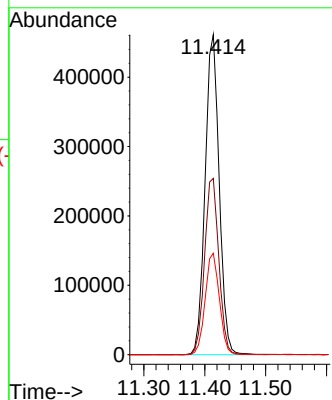
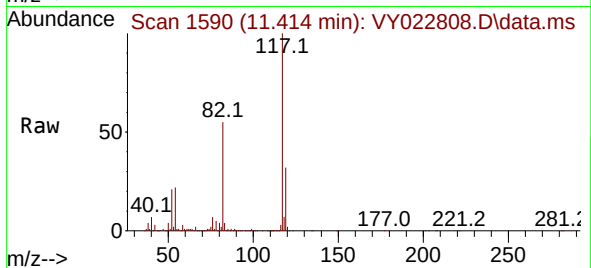
Tgt Ion:117 Resp: 740202

Ion Ratio Lower Upper

117 100

82 55.1 44.6 66.8

119 31.7 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: VY022808.D

Acq: 24 Jun 2025 19:23

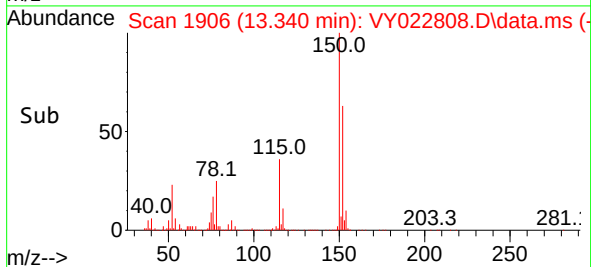
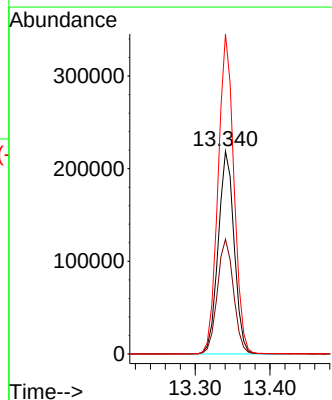
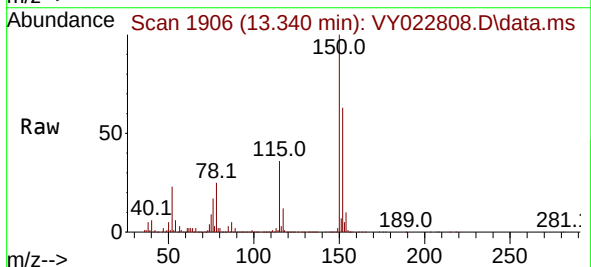
Tgt Ion:152 Resp: 324221

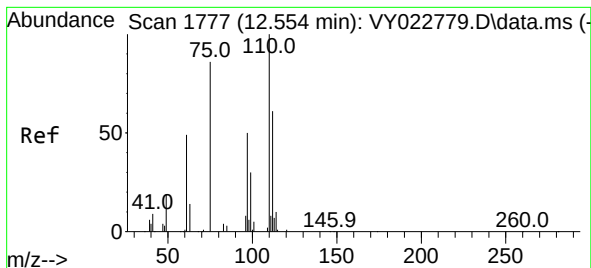
Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.7

150 157.2 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 54.572 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022808.D

Acq: 24 Jun 2025 19:23

Instrument :

MSVOA_Y

ClientSampleId :

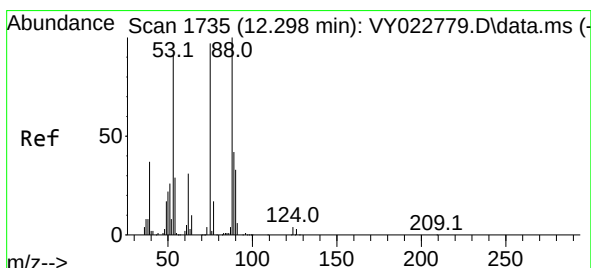
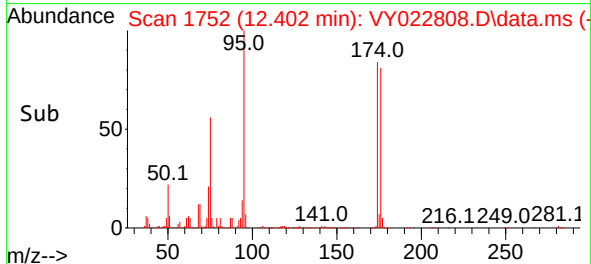
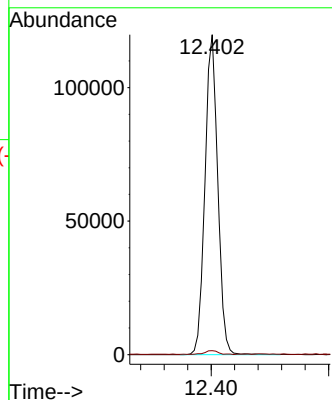
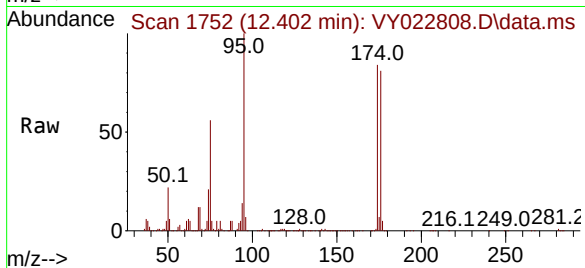
VIBLK

Tgt Ion: 75 Resp: 180635

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 137.871 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY022808.D

Acq: 24 Jun 2025 19:23

Tgt Ion: 75 Resp: 180635

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.0 35.7 53.5#

