

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022801.D
 Acq On : 24 Jun 2025 16:39
 Operator : SY/MD
 Sample : Q2394-03
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-K/L VOC

Quant Time: Jun 25 01:28:26 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)

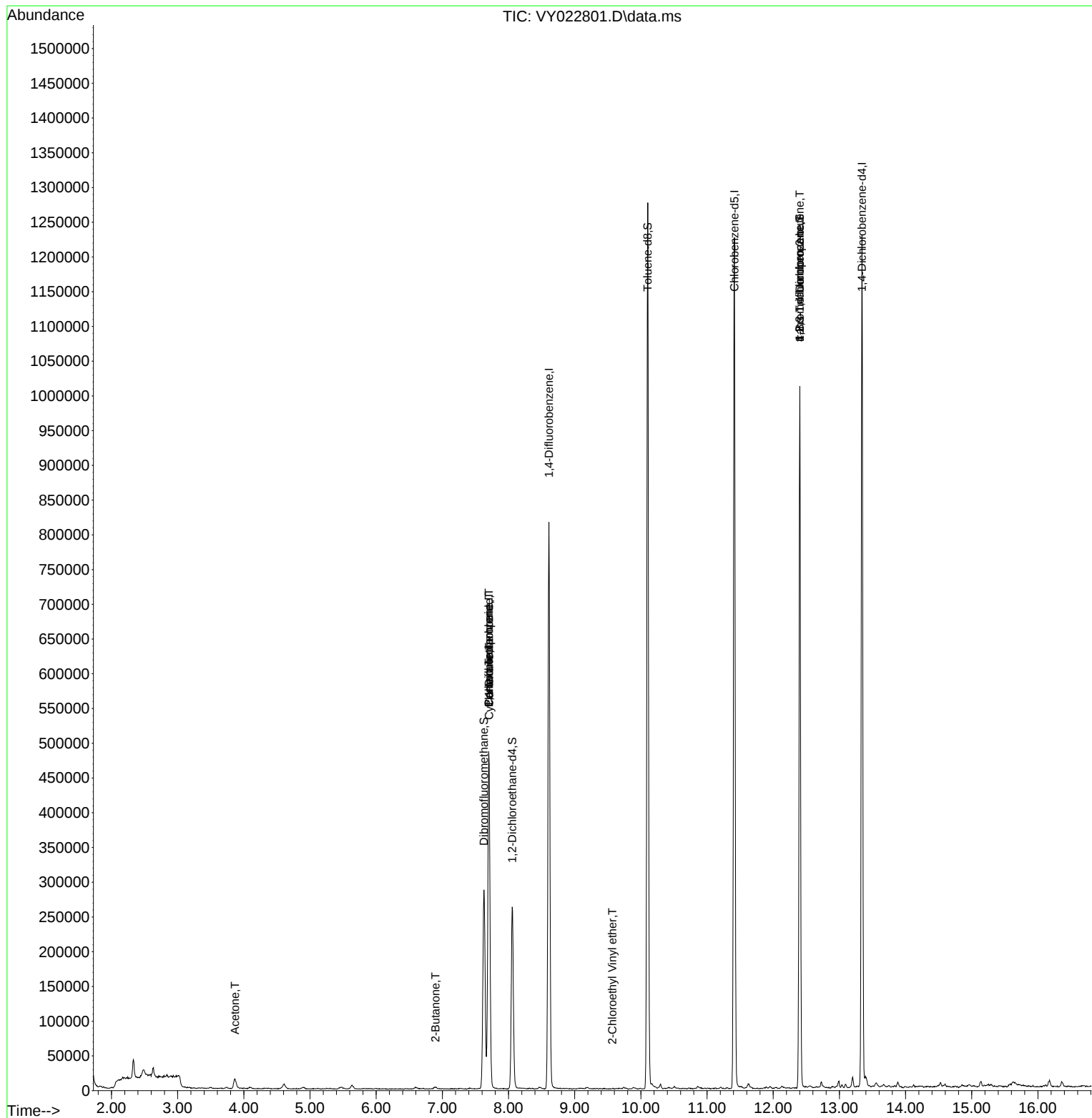
Internal Standards						
1) Pentafluorobenzene	7.701	168	372026	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	673025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	638717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	295413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	205075	49.390	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.780%
35) Dibromofluoromethane	7.628	113	204438	49.948	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.900%
50) Toluene-d8	10.103	98	808651	49.789	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.580%
62) 4-Bromofluorobenzene	12.402	95	281964	54.004	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.000%
Target Compounds						Qvalue
16) Acetone	3.867	43	25970	33.091	ug/l	97
25) 2-Butanone	6.896	43	4609	4.035	ug/l	90
31) Cyclohexane	7.707	56	9008	1.263	ug/l #	8
36) 1,1-Dichloropropene	7.701	75	31124	5.017	ug/l #	51
38) Carbon Tetrachloride	7.701	117	37273	5.694	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.567	63	63	15.681	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	160139	53.098	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	160139	134.146	ug/l #	10

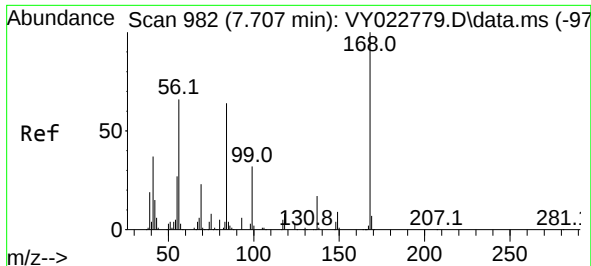
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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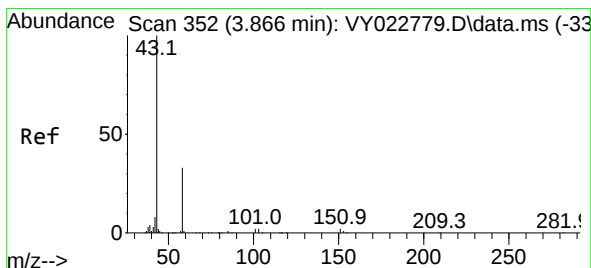
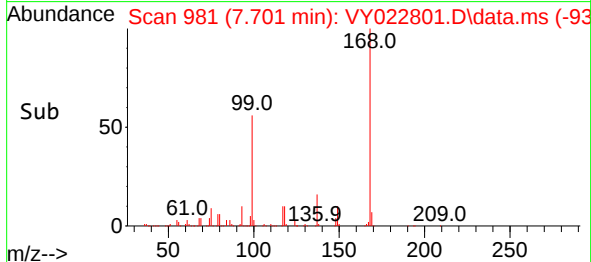
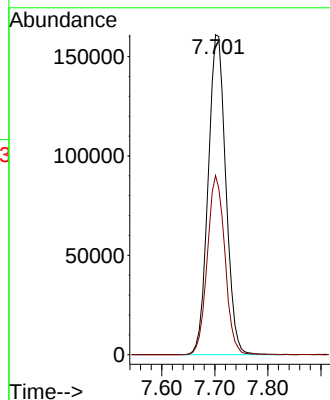
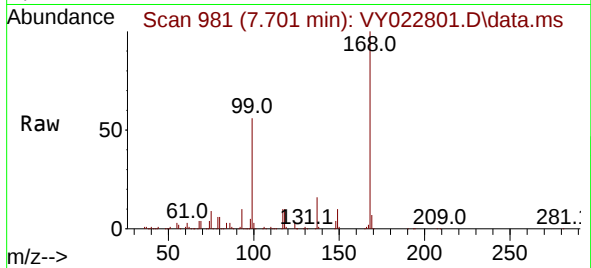




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022801.D
Acq: 24 Jun 2025 16:39

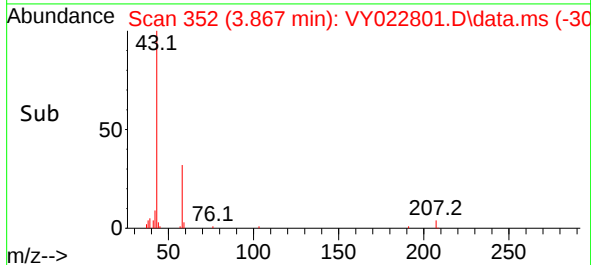
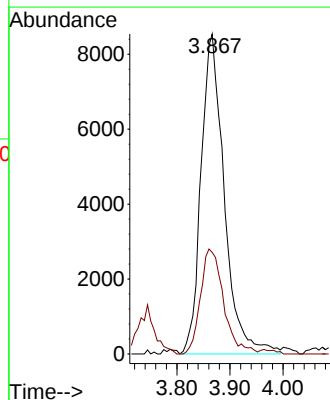
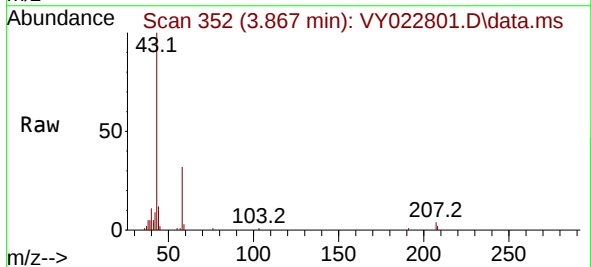
Instrument :
MSVOA_Y
ClientSampleId :
MH-K/L VOC

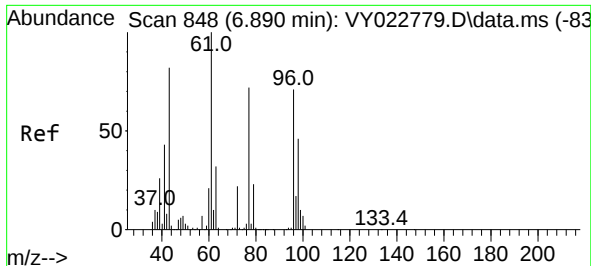
Tgt Ion:168 Resp: 372026
Ion Ratio Lower Upper
168 100
99 56.0 44.3 66.5



#16
Acetone
Concen: 33.091 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022801.D
Acq: 24 Jun 2025 16:39

Tgt Ion: 43 Resp: 25970
Ion Ratio Lower Upper
43 100
58 31.8 24.0 36.0





#25

2-Butanone

Concen: 4.035 ug/l

RT: 6.896 min Scan# 848

Delta R.T. -0.006 min

Lab File: VY022801.D

Acq: 24 Jun 2025 16:39

Instrument :

MSVOA_Y

ClientSampleId :

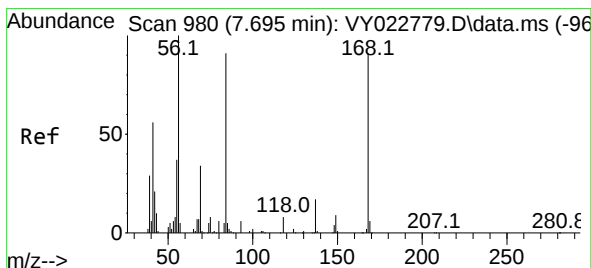
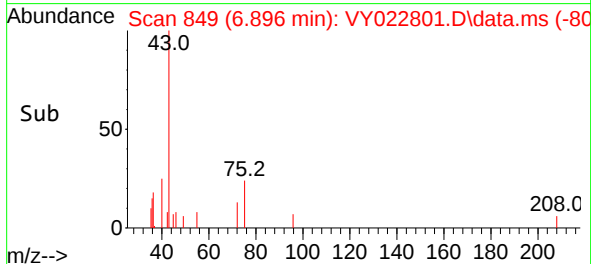
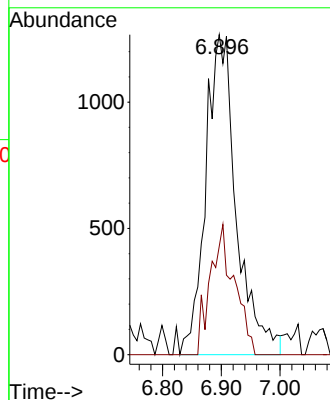
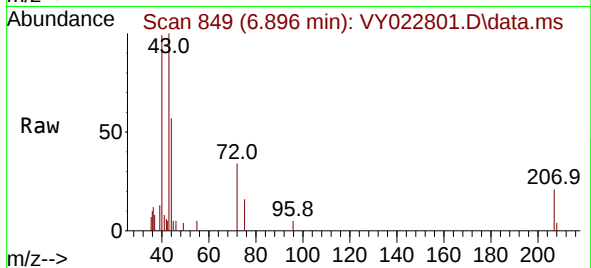
MH-K/L VOC

Tgt Ion: 43 Resp: 4609

Ion Ratio Lower Upper

43 100

72 33.9 22.9 34.3



#31

Cyclohexane

Concen: 1.263 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.000 min

Lab File: VY022801.D

Acq: 24 Jun 2025 16:39

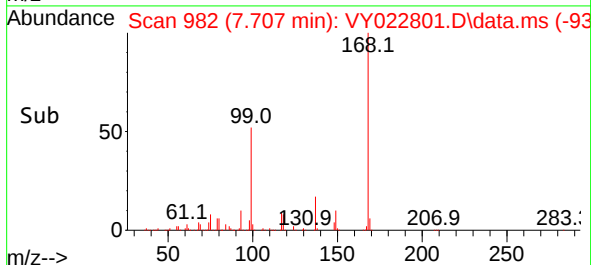
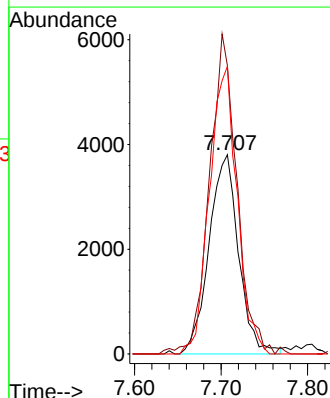
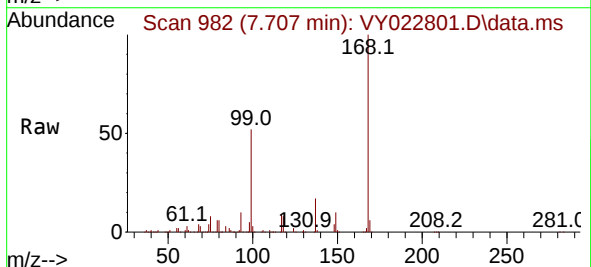
Tgt Ion: 56 Resp: 9008

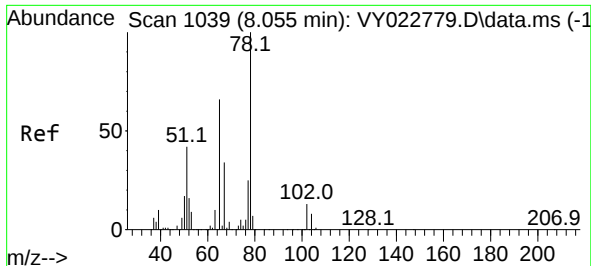
Ion Ratio Lower Upper

56 100

69 141.3 27.0 40.6#

84 144.4 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 49.390 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY022801.D

Acq: 24 Jun 2025 16:39

Instrument :

MSVOA_Y

ClientSampleId :

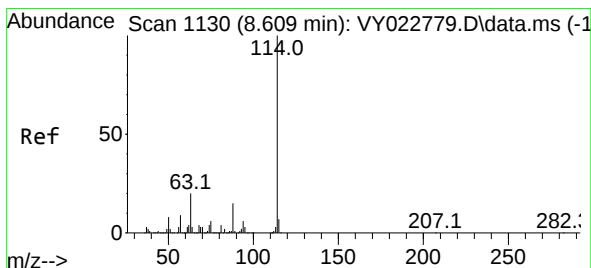
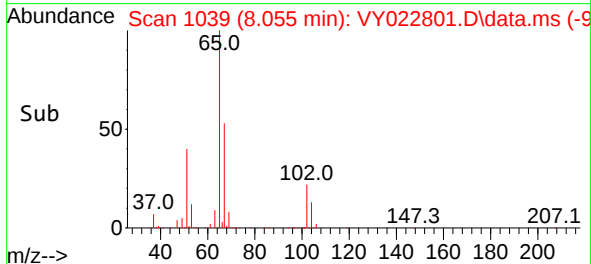
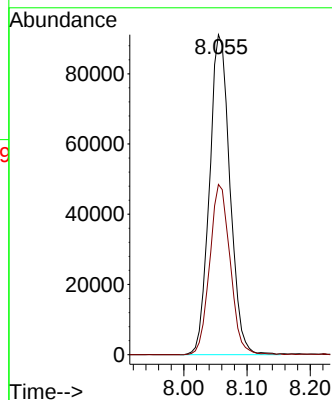
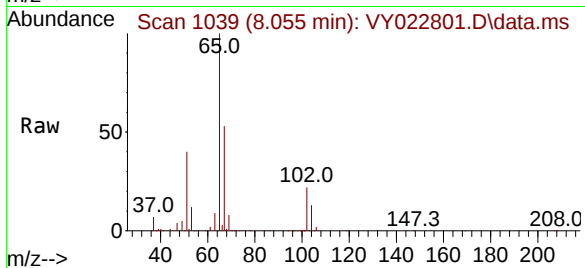
MH-K/L VOC

Tgt Ion: 65 Resp: 205075

Ion Ratio Lower Upper

65 100

67 53.1 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: VY022801.D

Acq: 24 Jun 2025 16:39

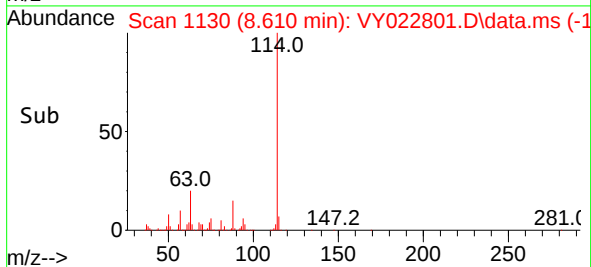
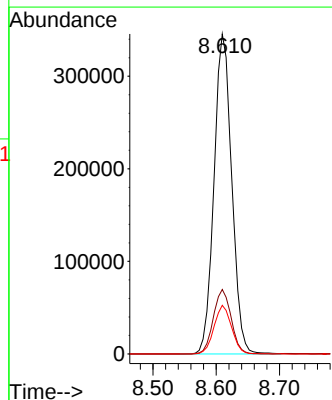
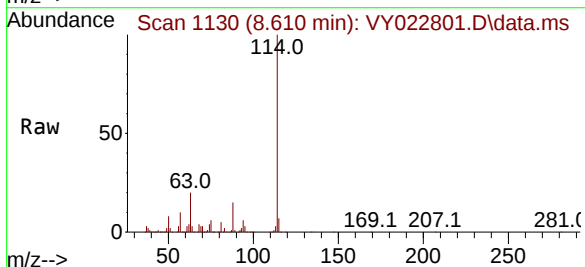
Tgt Ion: 114 Resp: 673025

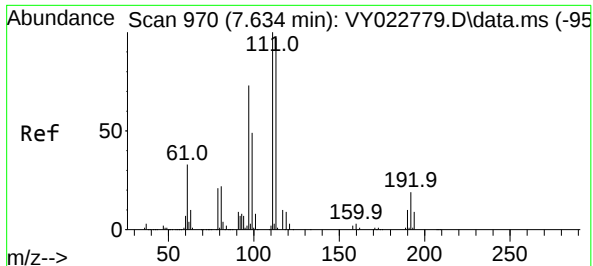
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 15.2 0.0 27.8

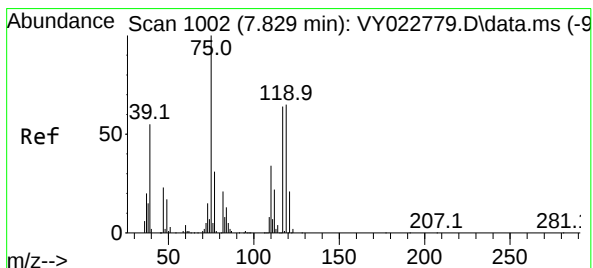
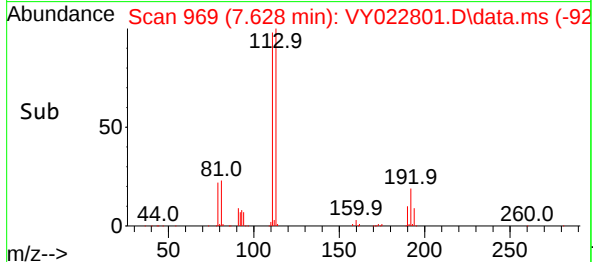
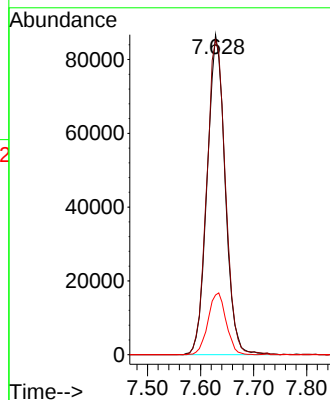
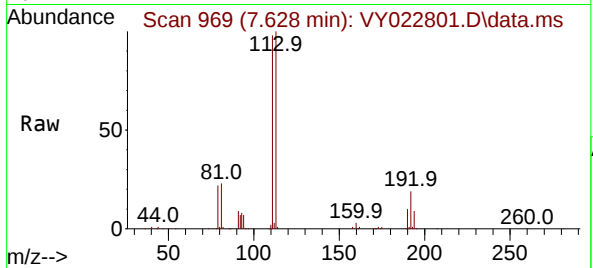




#35
Dibromofluoromethane
Concen: 49.948 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.012 min
Lab File: VY022801.D
Acq: 24 Jun 2025 16:39

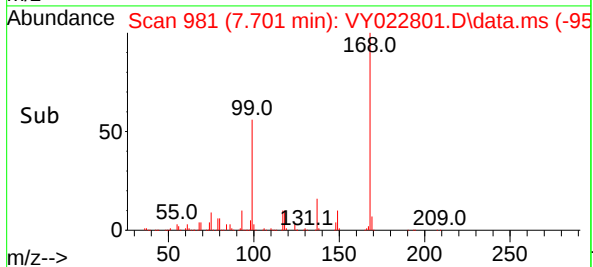
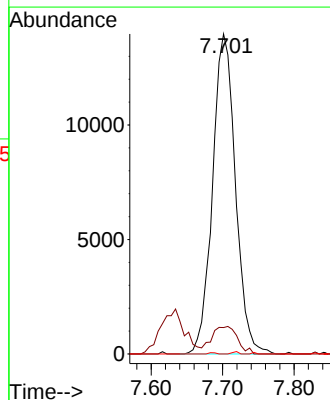
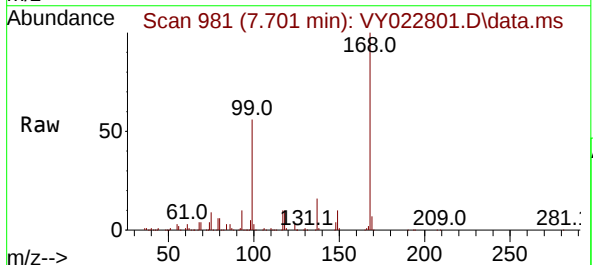
Instrument :
MSVOA_Y
ClientSampleId :
MH-K/L VOC

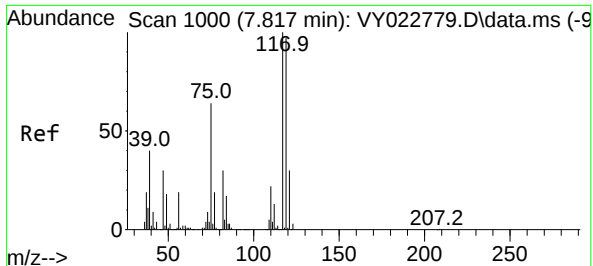
Tgt Ion:113 Resp: 204438
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 19.4 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.017 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022801.D
Acq: 24 Jun 2025 16:39

Tgt Ion: 75 Resp: 31124
Ion Ratio Lower Upper
75 100
110 9.6 16.9 50.7#
77 0.2 24.8 37.2#

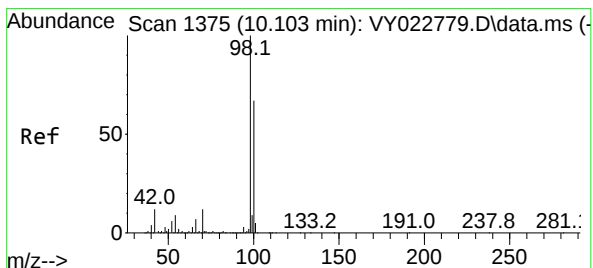
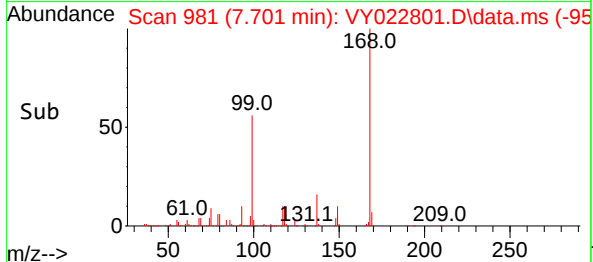
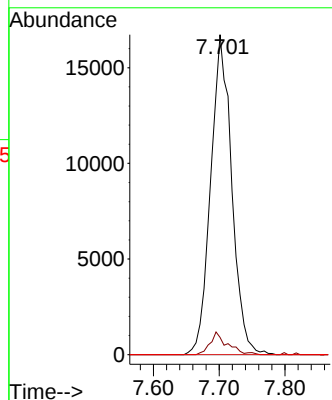
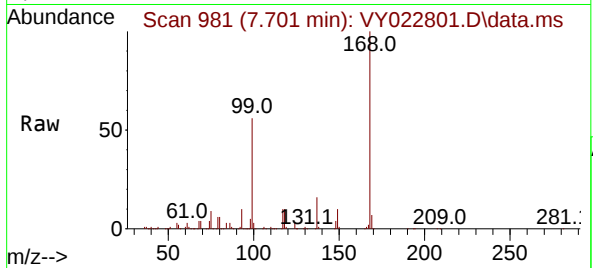




#38
Carbon Tetrachloride
Concen: 5.694 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022801.D
Acq: 24 Jun 2025 16:39

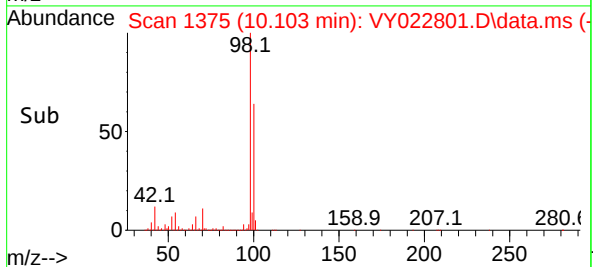
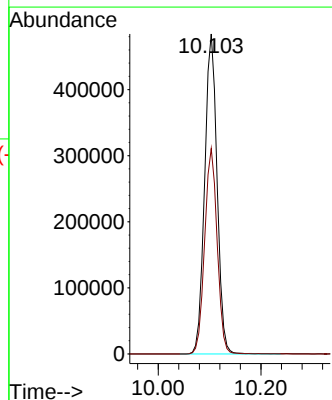
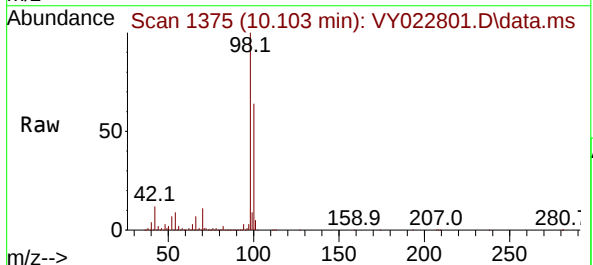
Instrument :
MSVOA_Y
ClientSampleId :
MH-K/L VOC

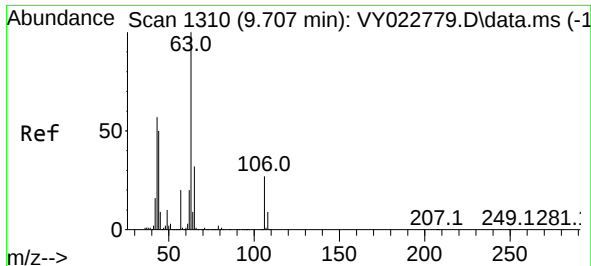
Tgt Ion:117 Resp: 37273
Ion Ratio Lower Upper
117 100
119 5.4 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.789 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022801.D
Acq: 24 Jun 2025 16:39

Tgt Ion: 98 Resp: 808651
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0

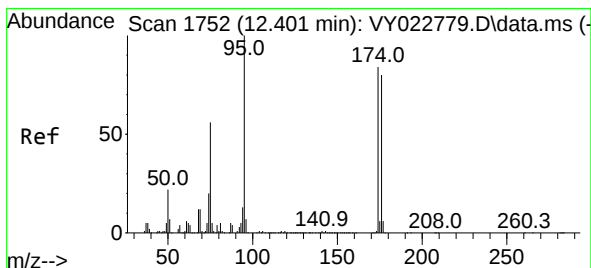
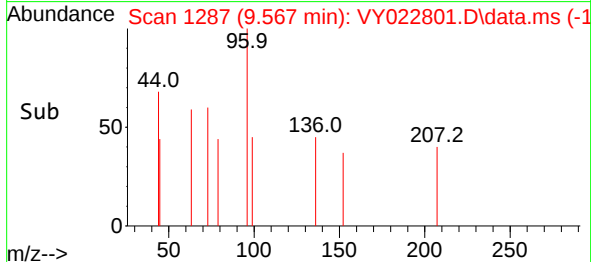
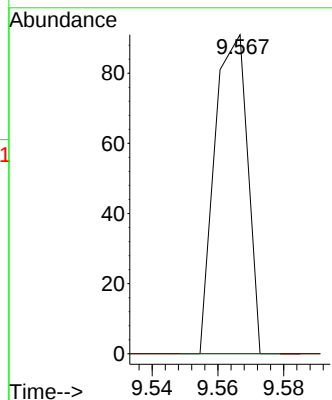
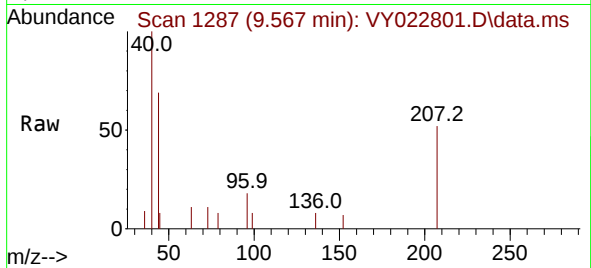




#58
2-Chloroethyl Vinyl ether
Concen: 15.681 ug/l
RT: 9.567 min Scan# 11
Delta R.T. -0.146 min
Lab File: VY022801.D
Acq: 24 Jun 2025 16:39

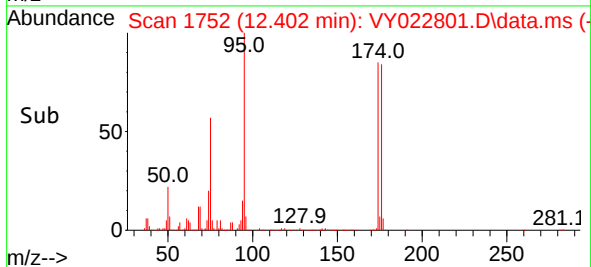
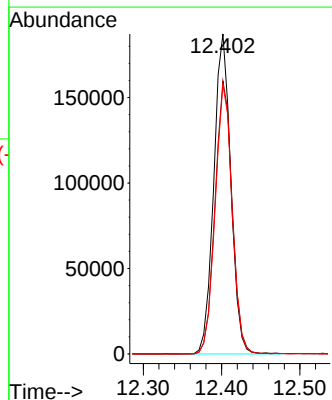
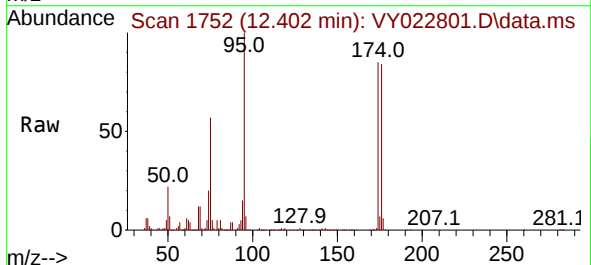
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MSVOA_Y
ClientSampleId :
MH-K/L VOC

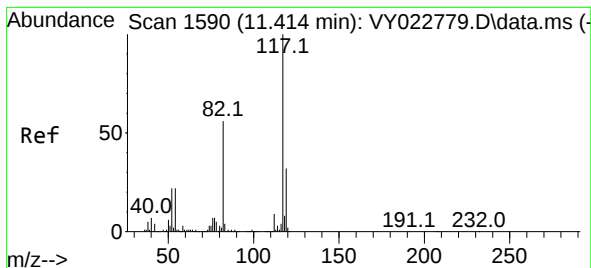
Tgt Ion: 63 Resp: 63
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 54.004 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022801.D
Acq: 24 Jun 2025 16:39

Tgt Ion: 95 Resp: 281964
Ion Ratio Lower Upper
95 100
174 86.3 0.0 170.0
176 84.1 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: VY022801.D

Acq: 24 Jun 2025 16:39

Instrument :

MSVOA_Y

ClientSampleId :

MH-K/L VOC

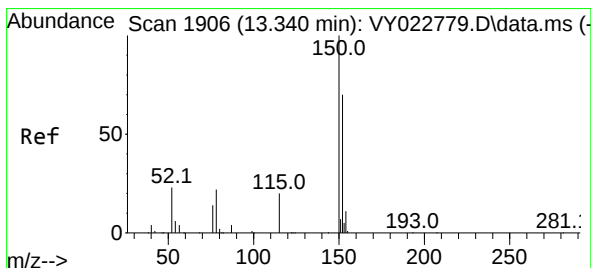
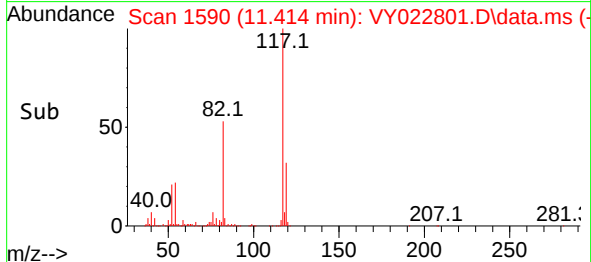
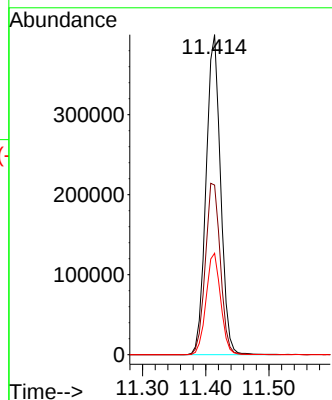
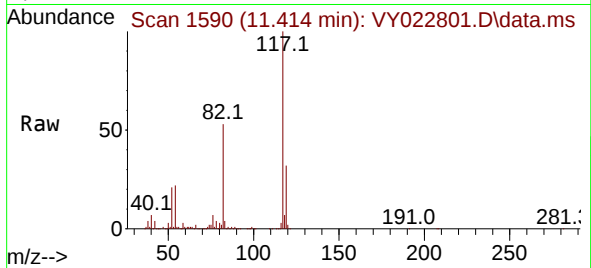
Tgt Ion:117 Resp: 638717

Ion Ratio Lower Upper

117 100

82 53.0 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: VY022801.D

Acq: 24 Jun 2025 16:39

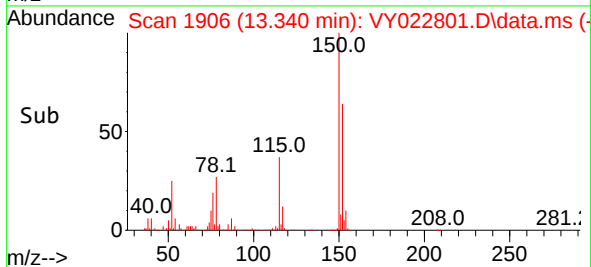
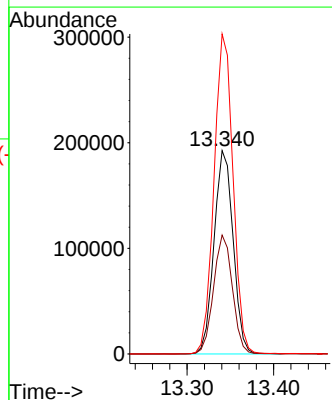
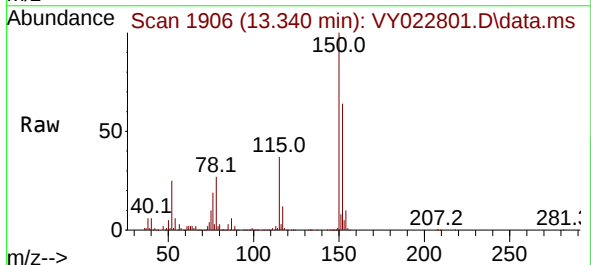
Tgt Ion:152 Resp: 295413

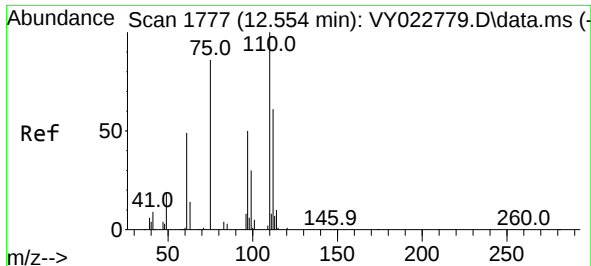
Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.7

150 156.3 0.0 349.6

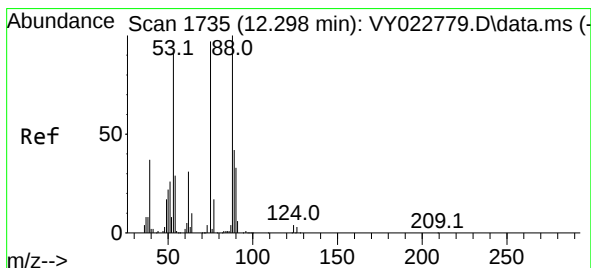
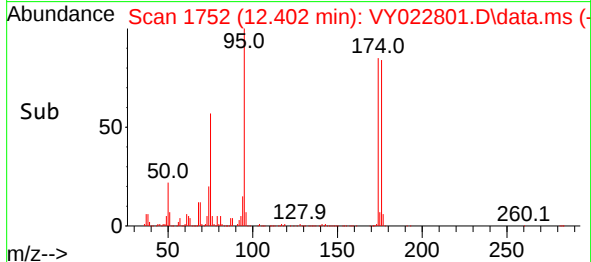
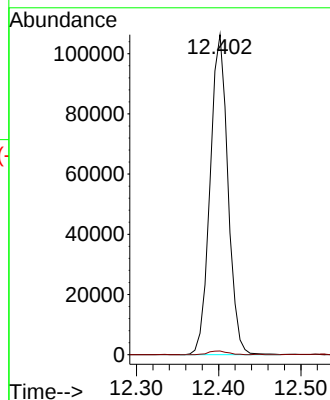
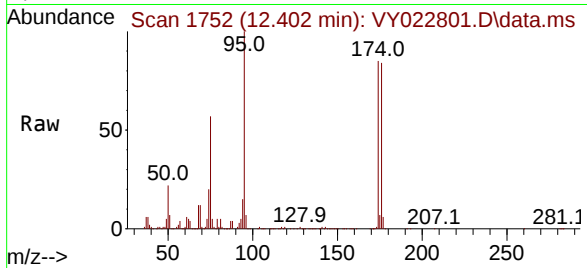




#76
1,2,3-Trichloropropane
Concen: 53.098 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022801.D
Acq: 24 Jun 2025 16:39

Instrument :
MSVOA_Y
ClientSampleId :
MH-K/L VOC

Tgt Ion: 75 Resp: 160139
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.146 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022801.D
Acq: 24 Jun 2025 16:39

Tgt Ion: 75 Resp: 160139
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

