

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022835.D
 Acq On : 25 Jun 2025 19:13
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 26 01:30:30 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)

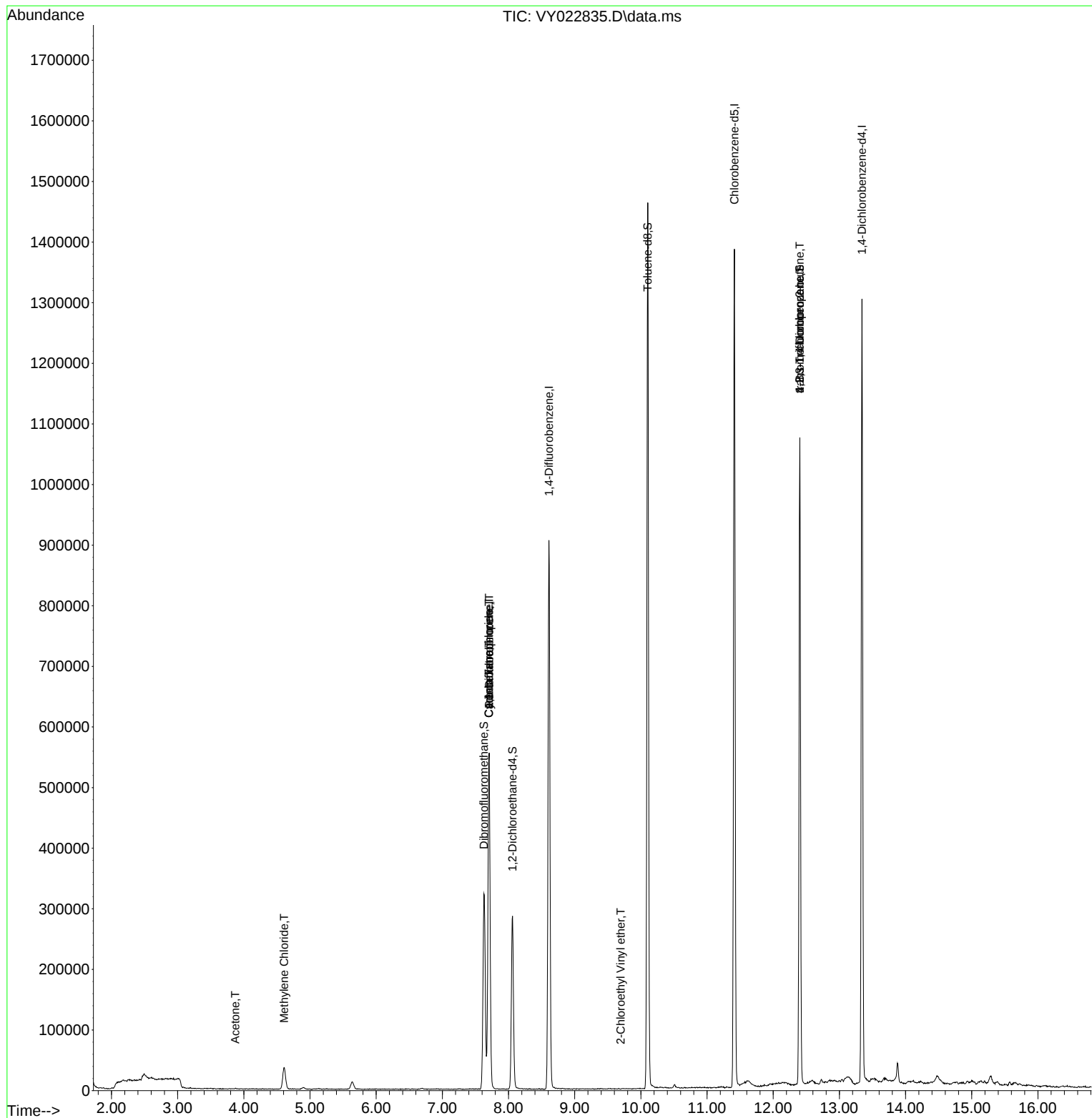
Internal Standards						
1) Pentafluorobenzene	7.707	168	422486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	770076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	709020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	309647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	224309	47.570	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.140%
35) Dibromofluoromethane	7.628	113	228451	48.781	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.560%
50) Toluene-d8	10.103	98	930503	50.071	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.140%
62) 4-Bromofluorobenzene	12.402	95	310096	51.907	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.820%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	932	1.046	ug/l #	50
20) Methylene Chloride	4.610	84	26917	4.782	ug/l	89
31) Cyclohexane	7.701	56	10441	1.289	ug/l #	11
36) 1,1-Dichloropropene	7.707	75	34343	4.838	ug/l #	51
38) Carbon Tetrachloride	7.701	117	43364	5.790	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.695	63	19	15.662	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	174311	55.140	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	174311	139.306	ug/l #	11

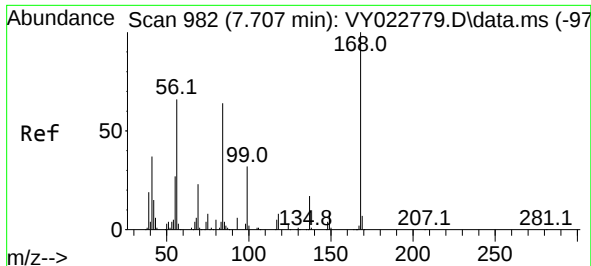
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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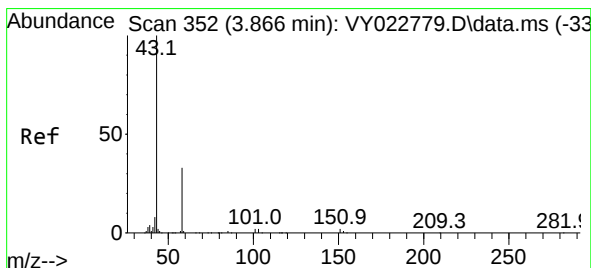
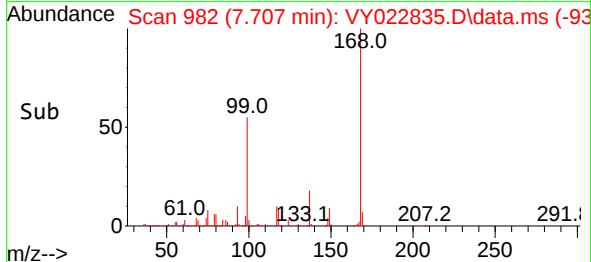
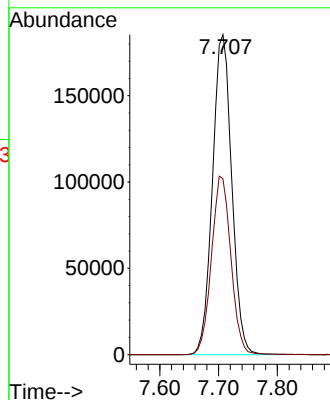
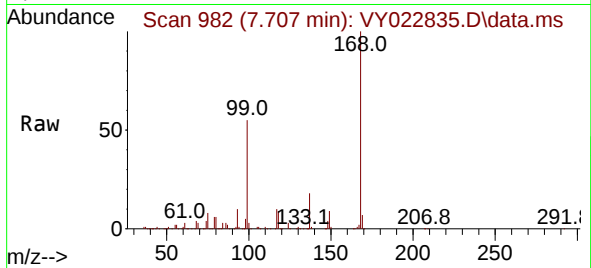




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022835.D
Acq: 25 Jun 2025 19:13

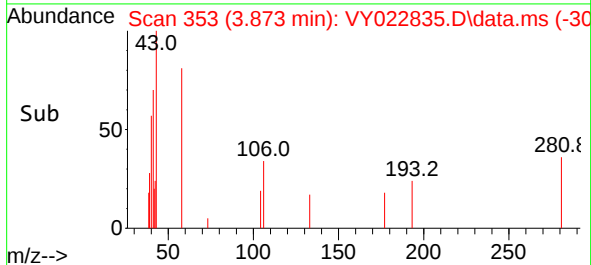
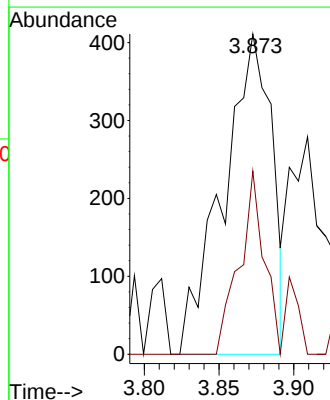
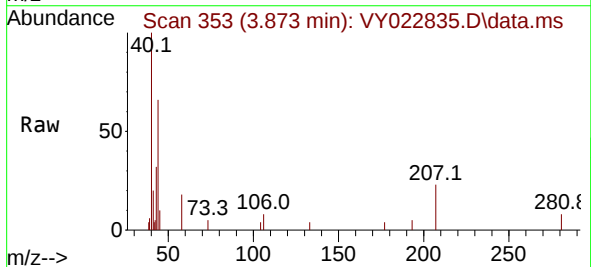
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

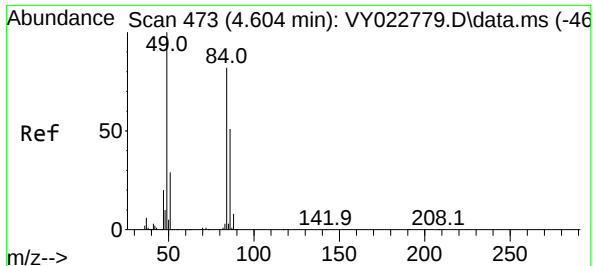
Tgt Ion:168 Resp: 422486
Ion Ratio Lower Upper
168 100
99 55.0 44.3 66.5



#16
Acetone
Concen: 1.046 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022835.D
Acq: 25 Jun 2025 19:13

Tgt Ion: 43 Resp: 932
Ion Ratio Lower Upper
43 100
58 57.2 24.0 36.0#





#20

Methylene Chloride

Concen: 4.782 ug/l

RT: 4.610 min Scan# 41

Delta R.T. -0.012 min

Lab File: VY022835.D

Acq: 25 Jun 2025 19:13

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 26917

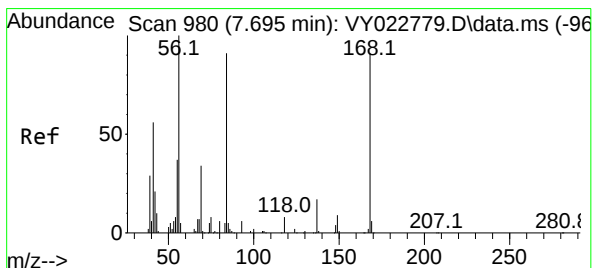
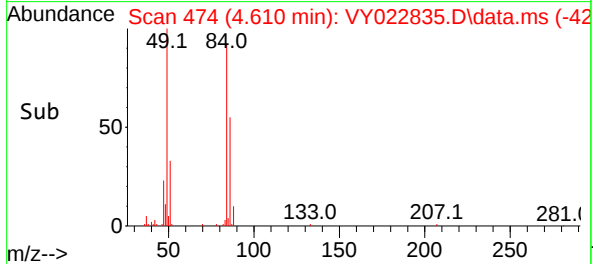
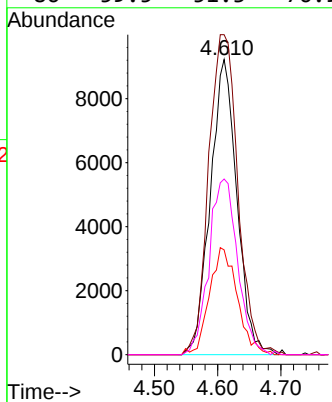
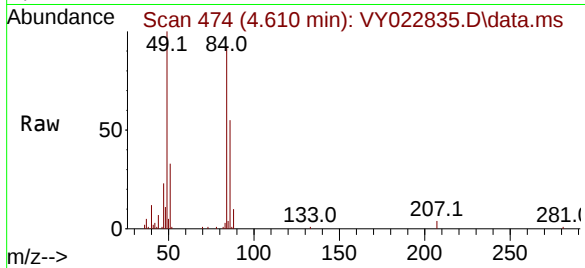
Ion Ratio Lower Upper

84 100

49 108.4 101.9 152.9

51 35.5 29.8 44.8

86 59.5 51.3 76.9



#31

Cyclohexane

Concen: 1.289 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY022835.D

Acq: 25 Jun 2025 19:13

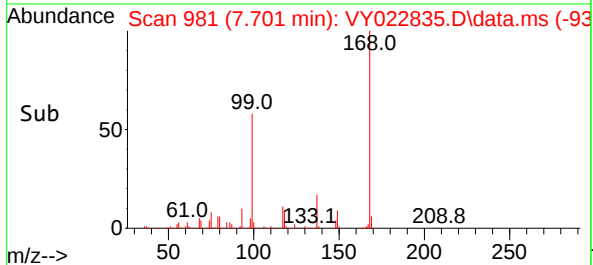
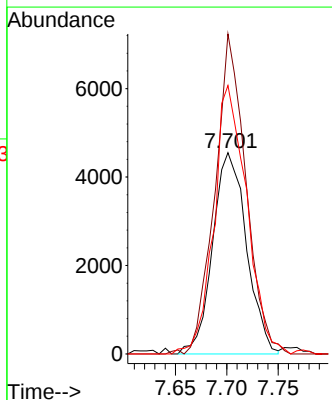
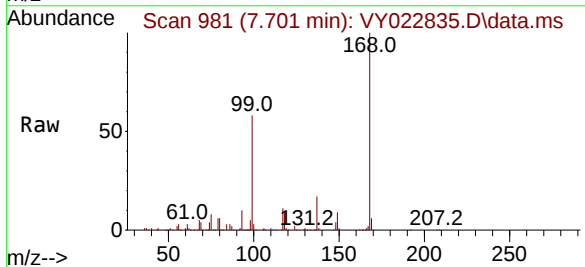
Tgt Ion: 56 Resp: 10441

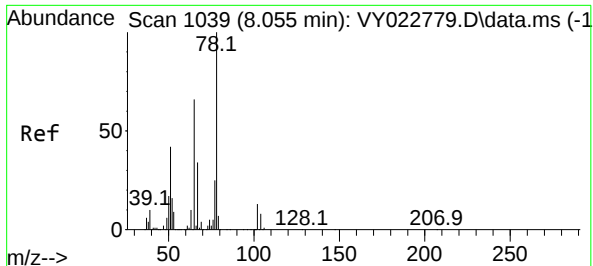
Ion Ratio Lower Upper

56 100

69 157.0 27.0 40.6#

84 130.9 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 47.570 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022835.D

Acq: 25 Jun 2025 19:13

Instrument :

MSVOA_Y

ClientSampleId :

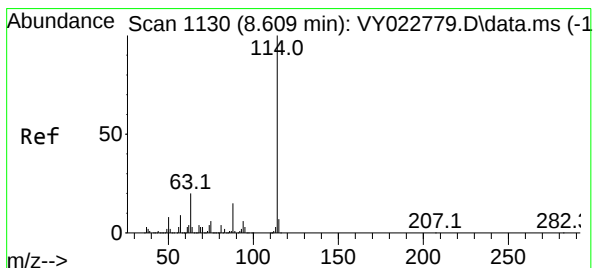
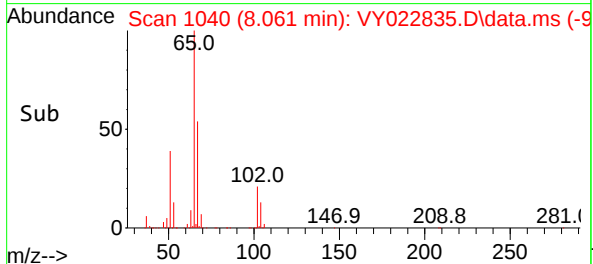
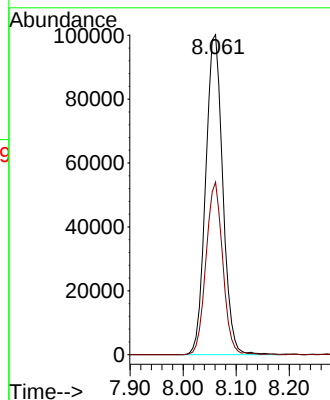
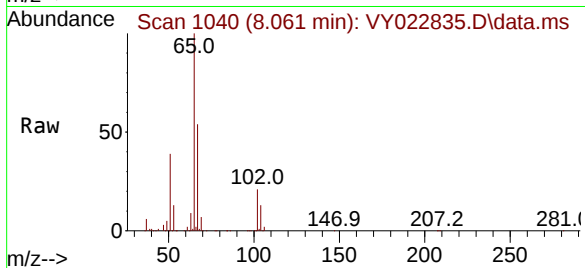
VIBLK

Tgt Ion: 65 Resp: 224309

Ion Ratio Lower Upper

65 100

67 52.7 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: VY022835.D

Acq: 25 Jun 2025 19:13

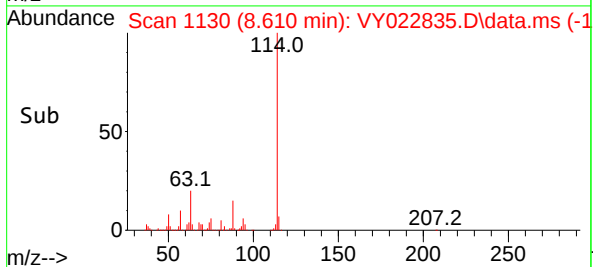
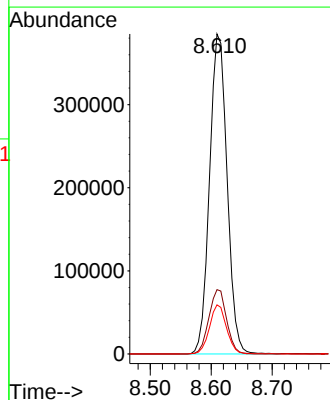
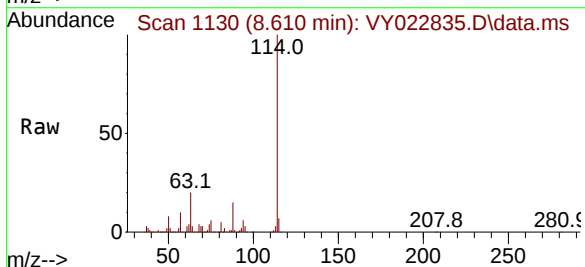
Tgt Ion: 114 Resp: 770076

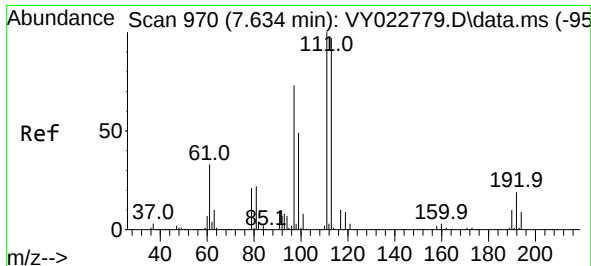
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 15.3 0.0 27.8

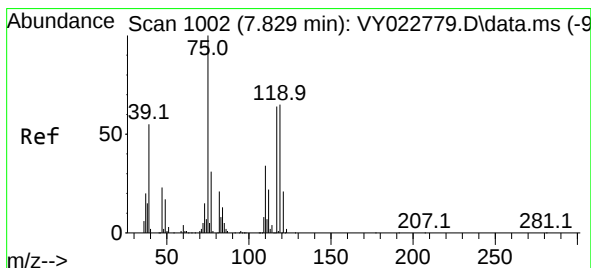
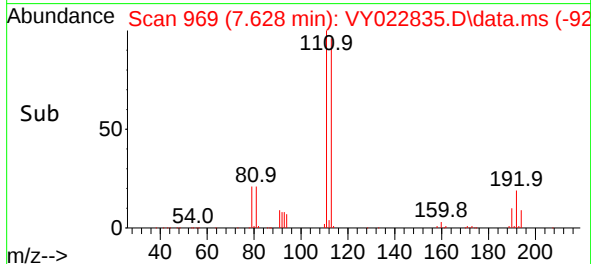
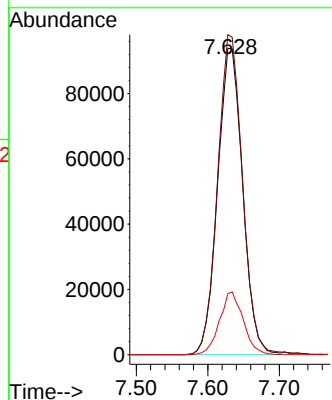
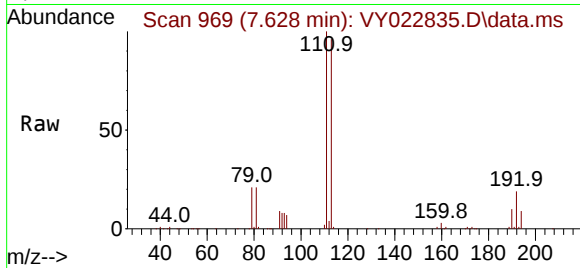




#35
 Dibromofluoromethane
 Concen: 48.781 ug/l
 RT: 7.628 min Scan# 91
 Delta R.T. -0.012 min
 Lab File: VY022835.D
 Acq: 25 Jun 2025 19:13

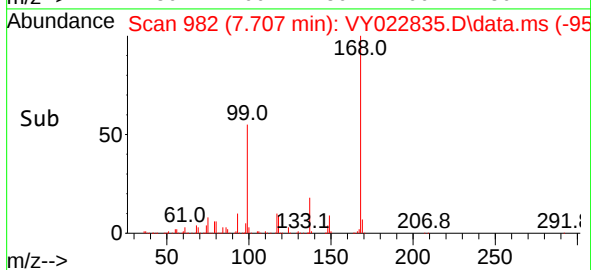
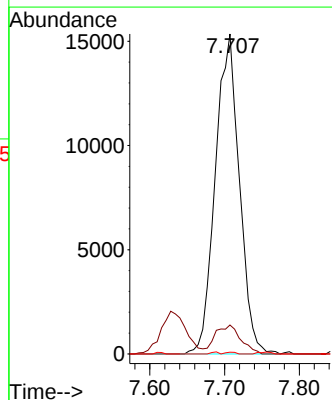
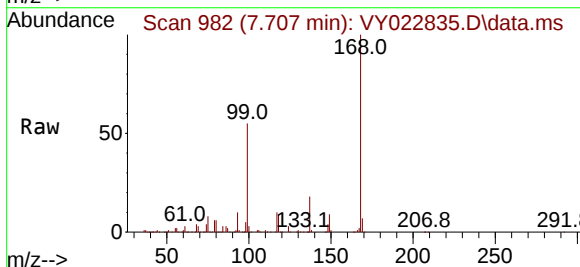
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

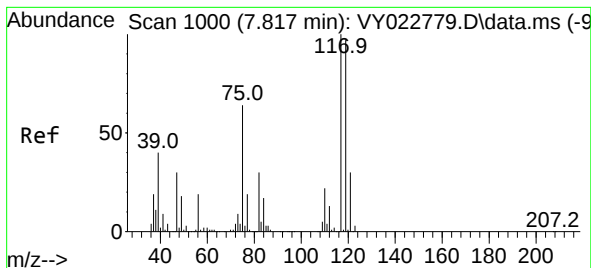
Tgt Ion:113 Resp: 228451
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.1 121.7
 192 19.3 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.838 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.134 min
 Lab File: VY022835.D
 Acq: 25 Jun 2025 19:13

Tgt Ion: 75 Resp: 34343
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.9 50.7#
 77 0.2 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.790 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY022835.D

Acq: 25 Jun 2025 19:13

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

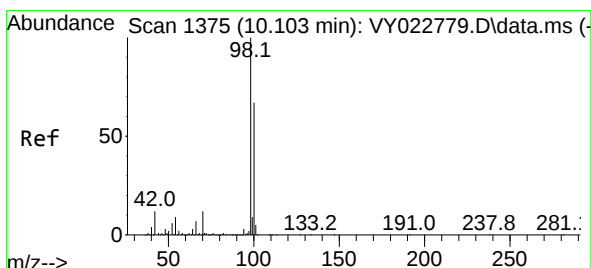
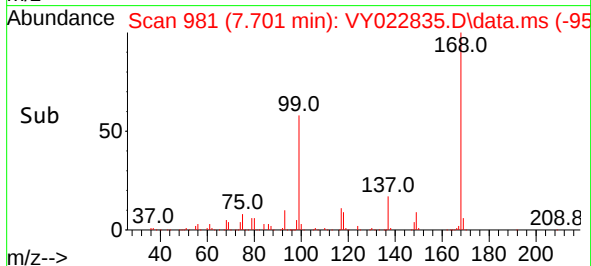
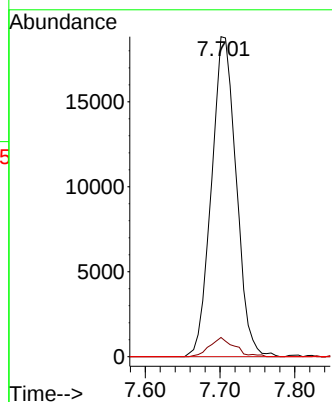
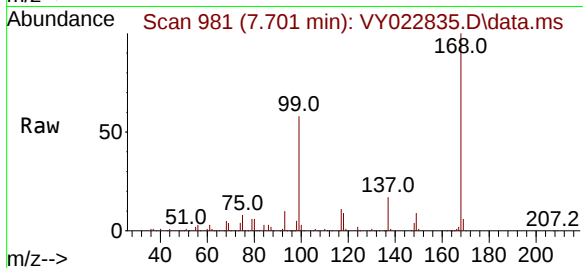
Tgt Ion:117 Resp: 43364

Ion Ratio Lower Upper

117 100

119 6.0 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 50.071 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022835.D

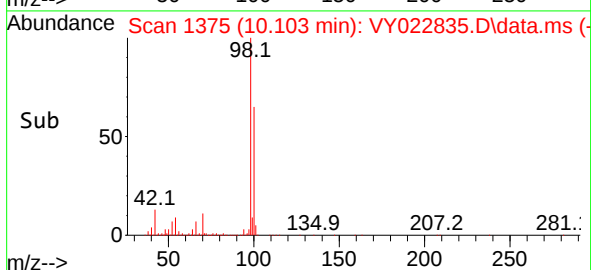
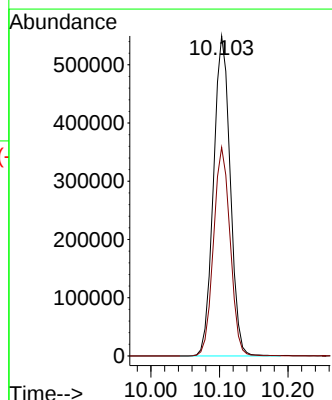
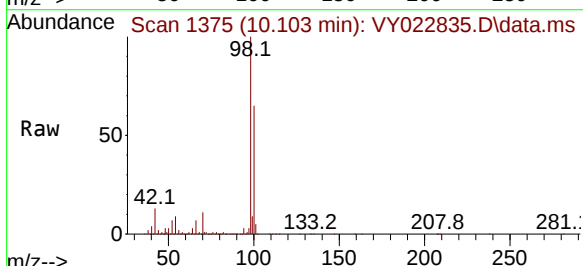
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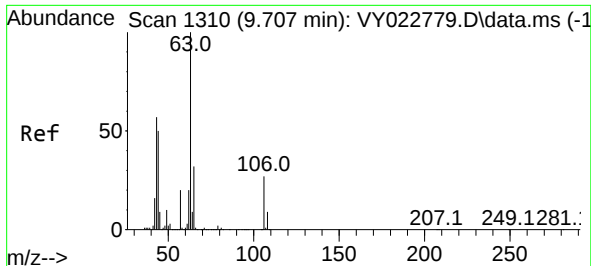
Tgt Ion: 98 Resp: 930503

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.0

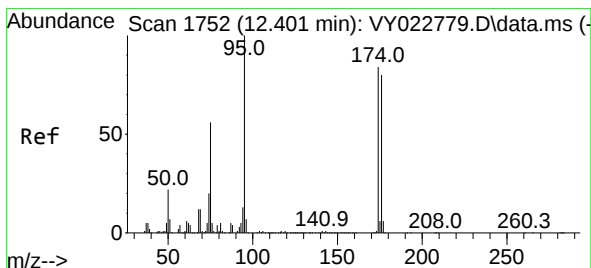
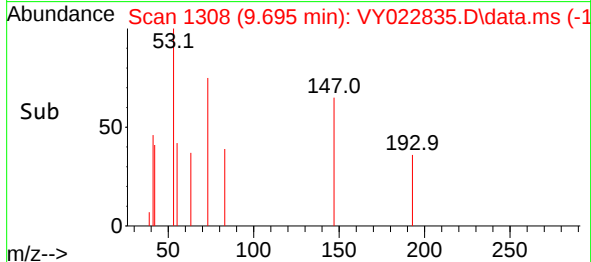
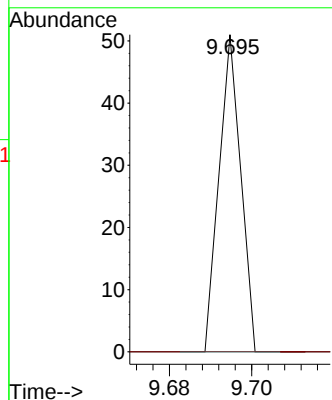
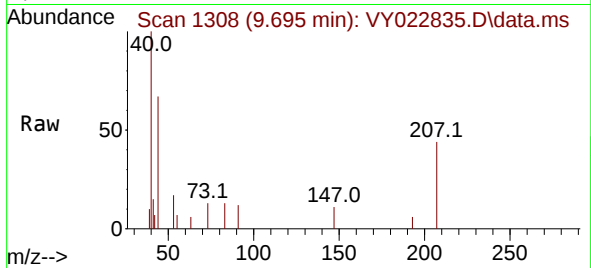




#58
2-Chloroethyl Vinyl ether
Concen: 15.662 ug/l
RT: 9.695 min Scan# 1308
Delta R.T. -0.018 min
Lab File: VY022835.D
Acq: 25 Jun 2025 19:13

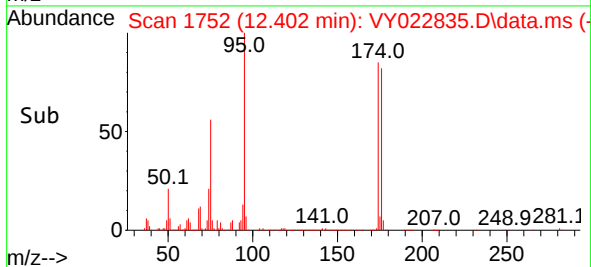
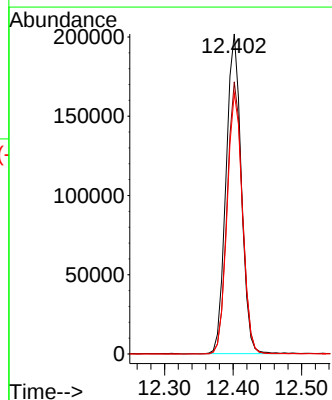
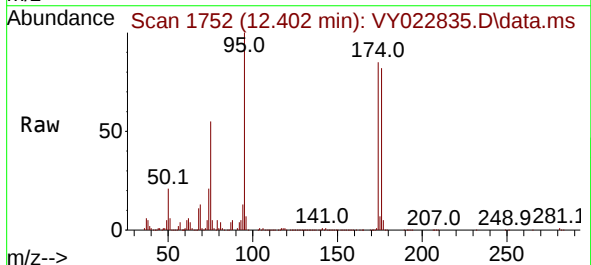
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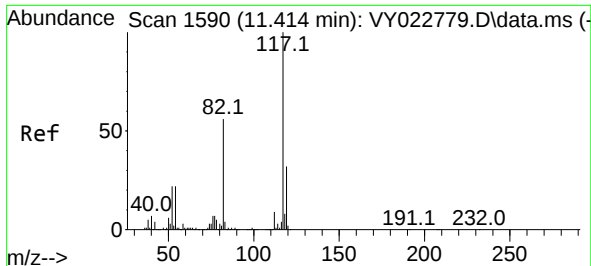
Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 51.907 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022835.D
Acq: 25 Jun 2025 19:13

Tgt Ion: 95 Resp: 310096
Ion Ratio Lower Upper
95 100
174 84.9 0.0 170.0
176 82.2 0.0 166.2

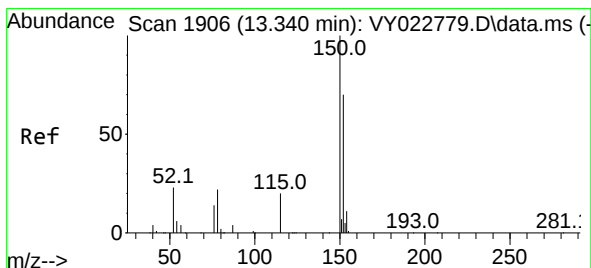
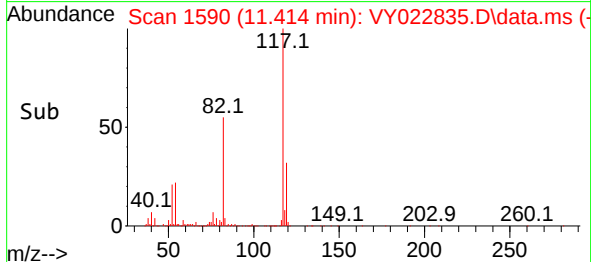
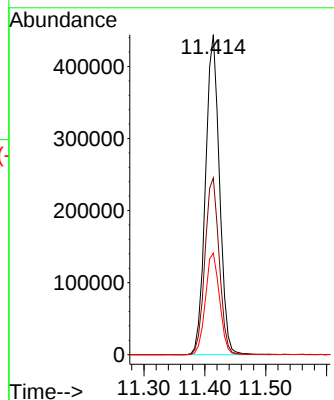
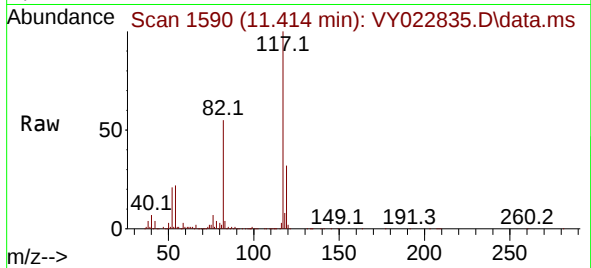




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022835.D
Acq: 25 Jun 2025 19:13

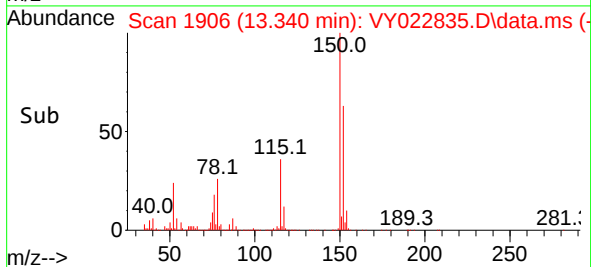
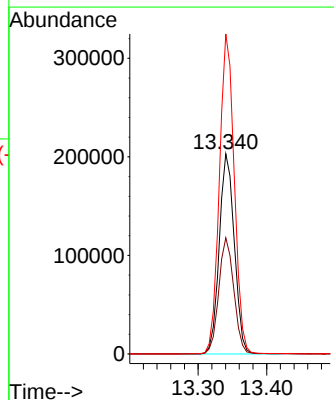
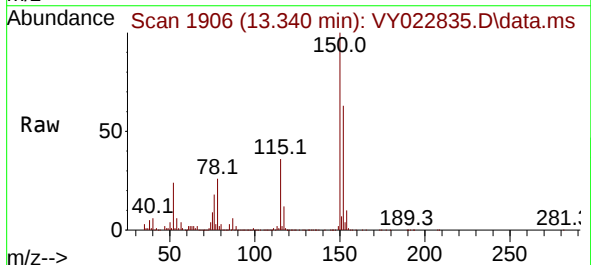
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

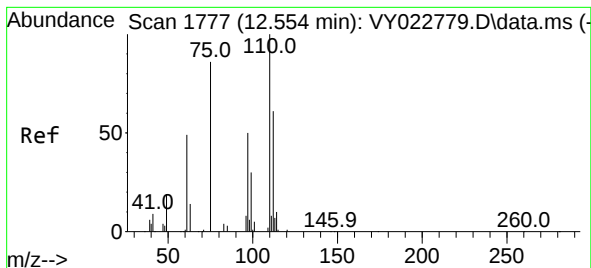
Tgt Ion:117 Resp: 709020
Ion Ratio Lower Upper
117 100
82 55.2 44.6 66.8
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022835.D
Acq: 25 Jun 2025 19:13

Tgt Ion:152 Resp: 309647
Ion Ratio Lower Upper
152 100
115 57.7 28.9 86.7
150 158.0 0.0 349.6

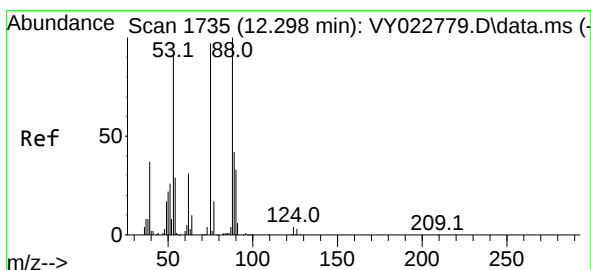
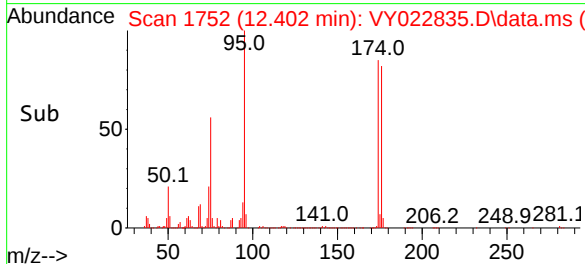
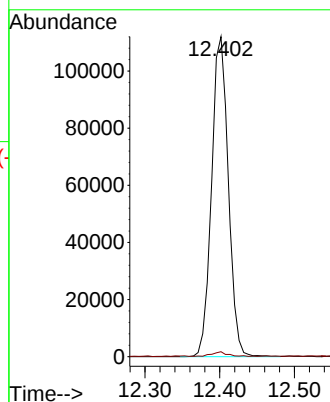
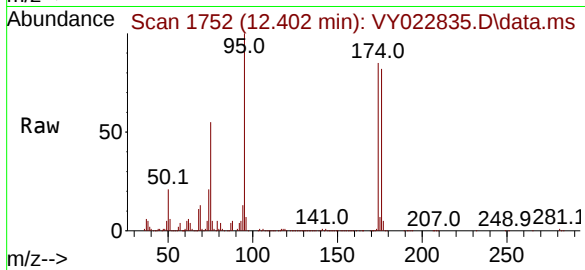




#76
1,2,3-Trichloropropane
Concen: 55.140 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022835.D
Acq: 25 Jun 2025 19:13

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 174311
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.306 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022835.D
Acq: 25 Jun 2025 19:13

Tgt Ion: 75 Resp: 174311
Ion Ratio Lower Upper
75 100
53 0.3 78.5 117.7#
89 0.1 35.7 53.5#

