

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022497.D
 Acq On : 02 Jun 2025 14:03
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 03 03:23:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

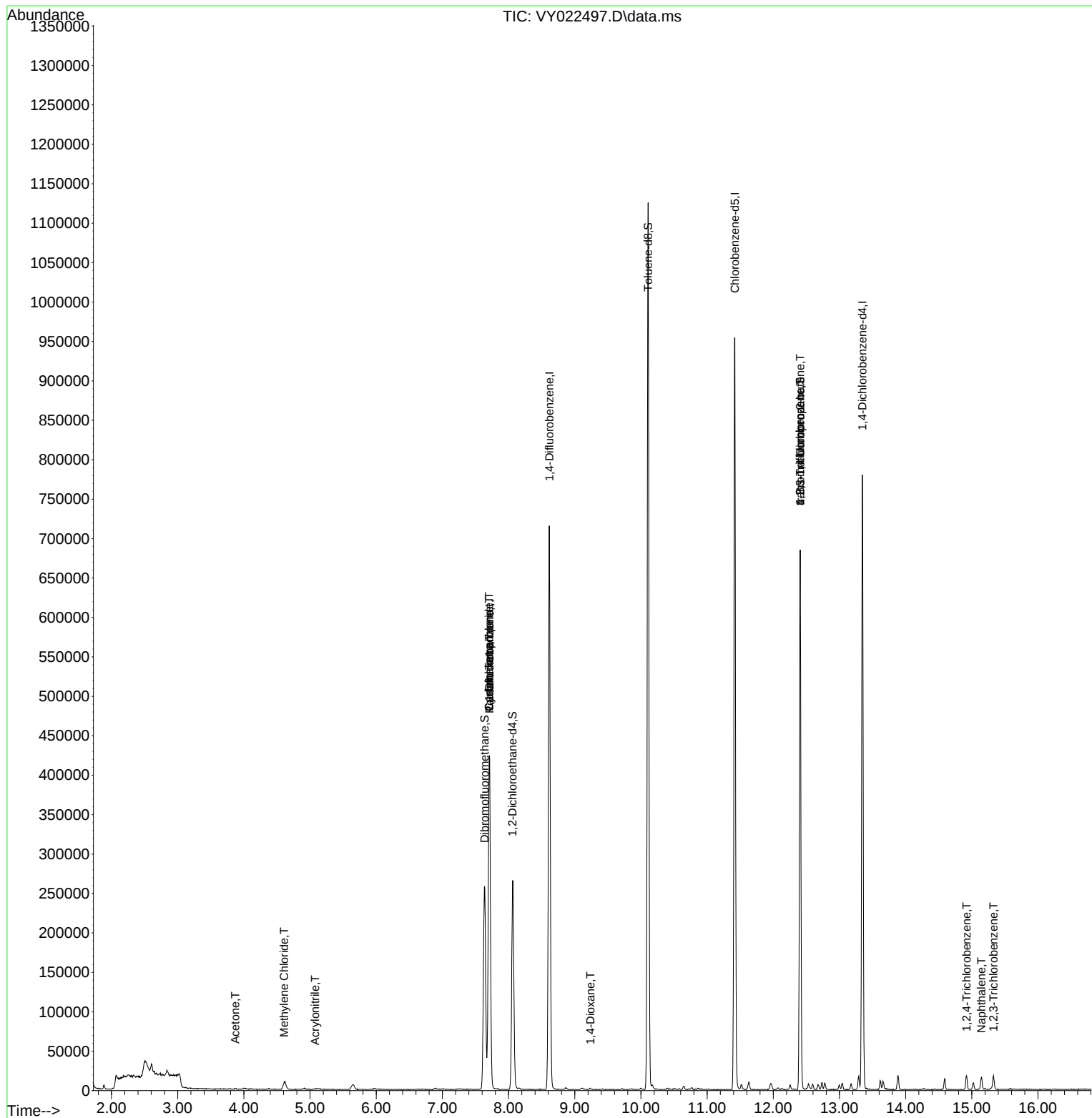
Internal Standards						
1) Pentafluorobenzene	7.713	168	319398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	575456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	470560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	179001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	196981	55.141	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.280%
35) Dibromofluoromethane	7.640	113	178693	52.025	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.040%
50) Toluene-d8	10.109	98	695092	50.083	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.160%
62) 4-Bromofluorobenzene	12.407	95	183570	44.393	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.780%
Target Compounds						
					Qvalue	
15) Acrylonitrile	5.079	53	1029	1.297	ug/l #	27
16) Acetone	3.872	43	1243	1.713	ug/l #	77
20) Methylene Chloride	4.610	84	6832	1.658	ug/l	91
31) Cyclohexane	7.707	56	9116	1.328	ug/l #	30
36) 1,1-Dichloropropene	7.707	75	29175	5.234	ug/l #	51
38) Carbon Tetrachloride	7.707	117	32489	5.681	ug/l #	17
49) 1,4-Dioxane	9.237	88	52	2.005	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	110274	53.849	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	110274	130.042	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.919	180	4624	1.589	ug/l	96
95) Naphthalene	15.145	128	12593	2.255	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	5220	2.093	ug/l	92

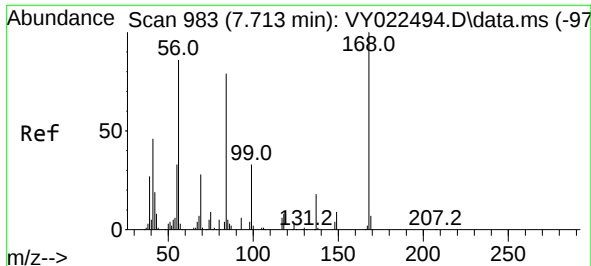
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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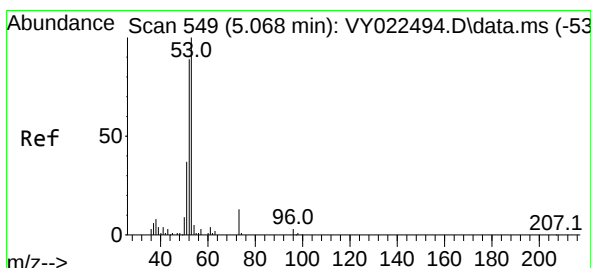
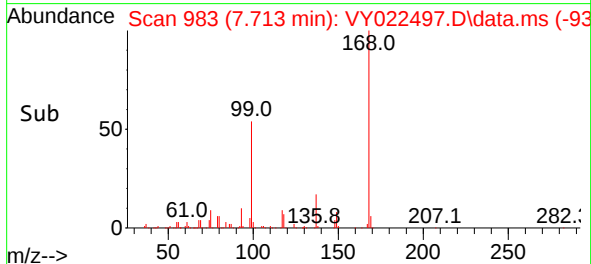
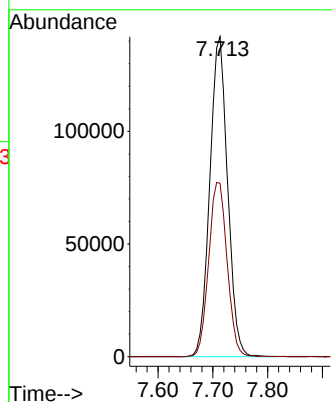
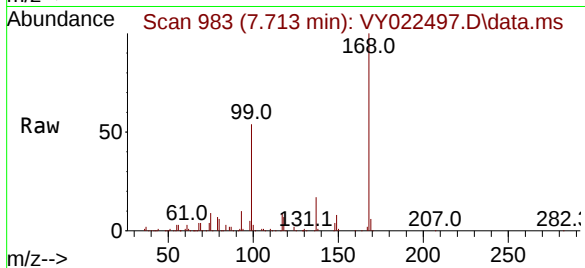




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022497.D
Acq: 02 Jun 2025 14:03

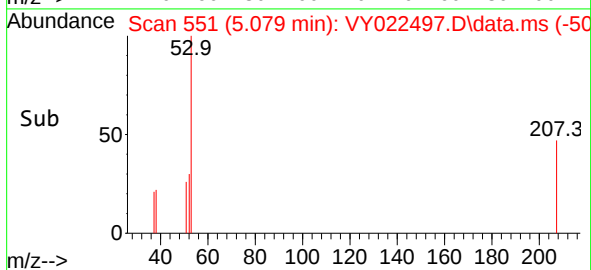
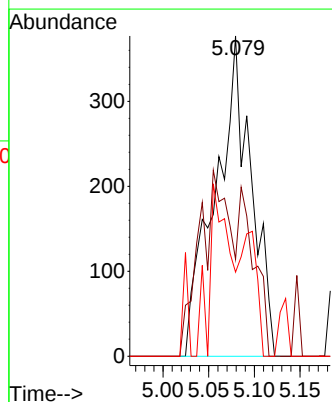
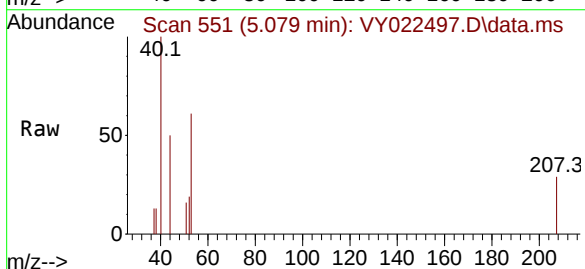
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

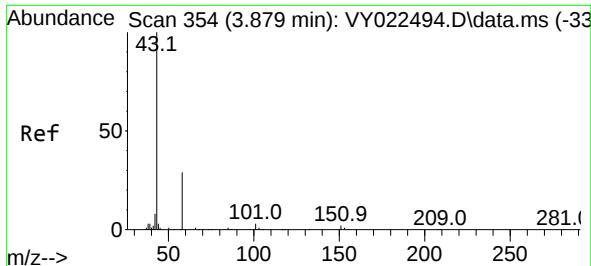
Tgt Ion:168 Resp: 319398
Ion Ratio Lower Upper
168 100
99 54.2 44.3 66.5



#15
Acrylonitrile
Concen: 1.297 ug/l
RT: 5.079 min Scan# 551
Delta R.T. 0.012 min
Lab File: VY022497.D
Acq: 02 Jun 2025 14:03

Tgt Ion: 53 Resp: 1029
Ion Ratio Lower Upper
53 100
52 0.0 65.7 98.5#
51 17.7 30.1 45.1#

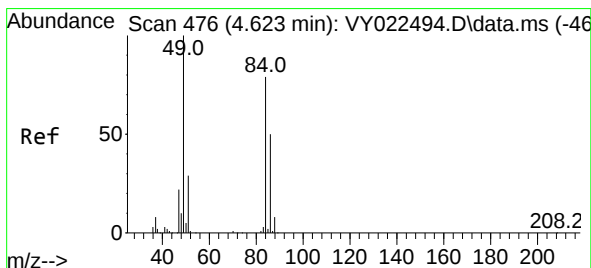
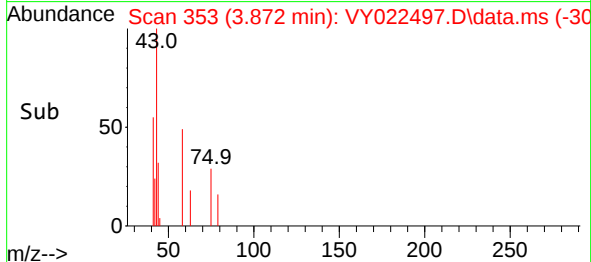
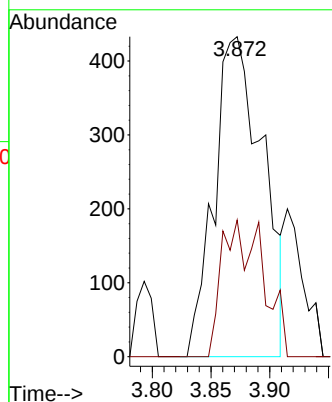
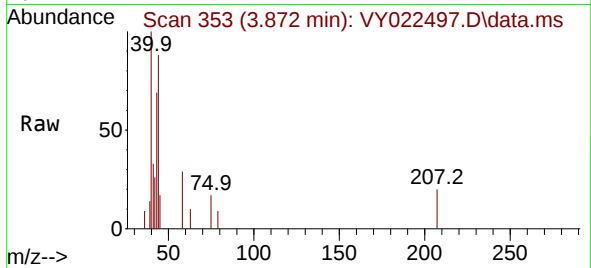




#16
Acetone
Concen: 1.713 ug/l
RT: 3.872 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY022497.D
Acq: 02 Jun 2025 14:03

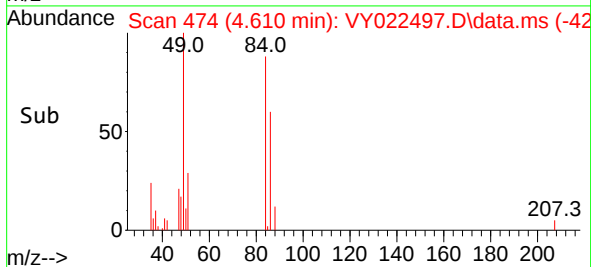
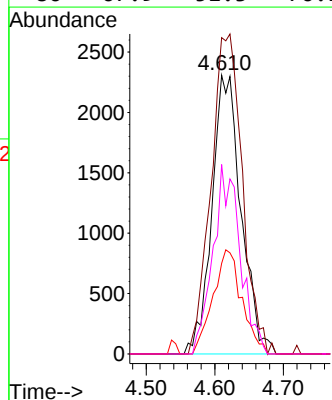
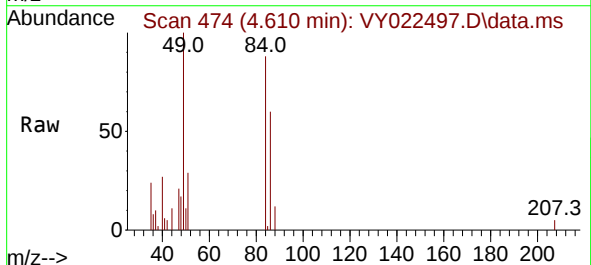
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

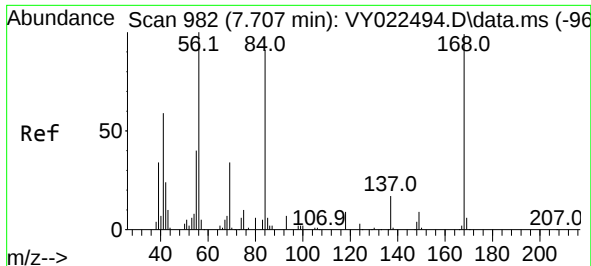
Tgt Ion: 43 Resp: 1243
Ion Ratio Lower Upper
43 100
58 42.7 24.0 36.0#



#20
Methylene Chloride
Concen: 1.658 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.013 min
Lab File: VY022497.D
Acq: 02 Jun 2025 14:03

Tgt Ion: 84 Resp: 6832
Ion Ratio Lower Upper
84 100
49 113.5 101.9 152.9
51 32.5 29.8 44.8
86 67.9 51.3 76.9

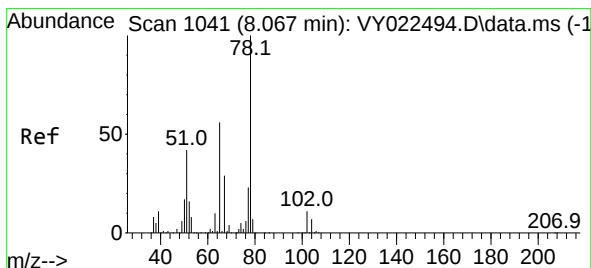
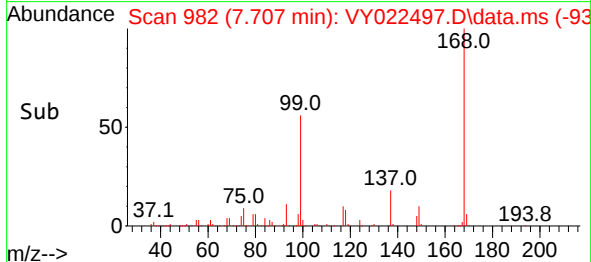
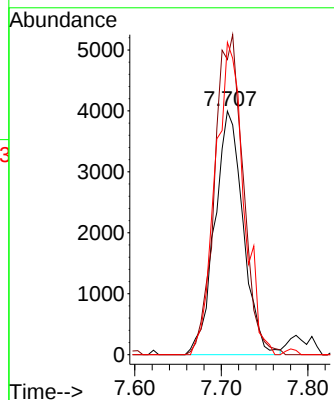
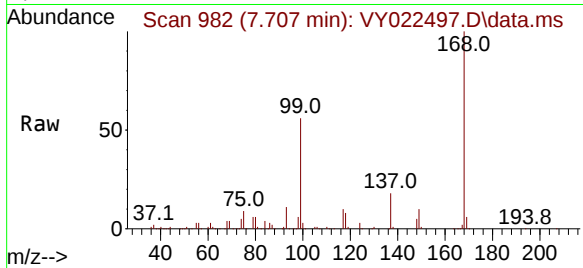




#31
Cyclohexane
Concen: 1.328 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022497.D
Acq: 02 Jun 2025 14:03

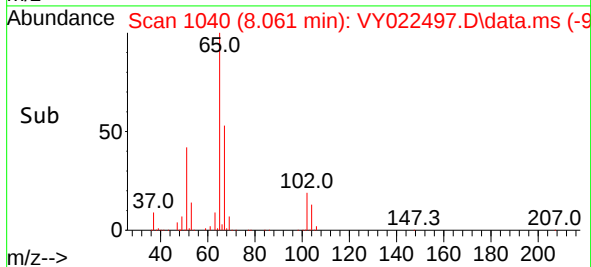
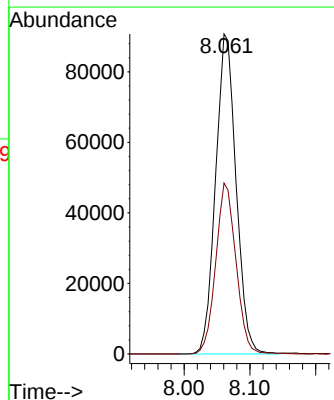
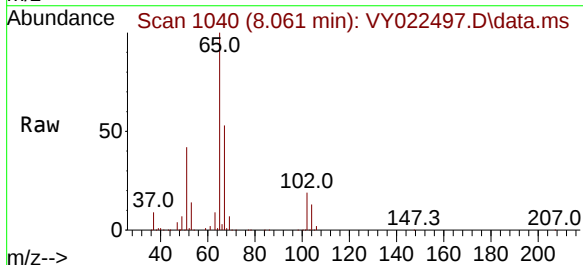
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

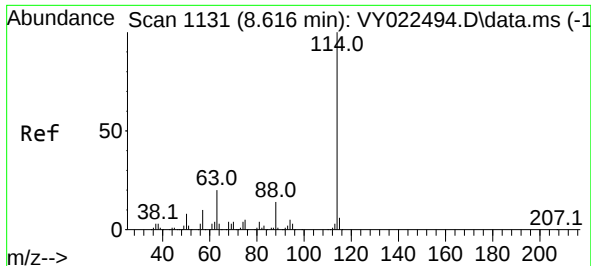
Tgt Ion: 56 Resp: 9116
Ion Ratio Lower Upper
56 100
69 121.2 27.0 40.6#
84 128.3 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 55.141 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022497.D
Acq: 02 Jun 2025 14:03

Tgt Ion: 65 Resp: 196981
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.4

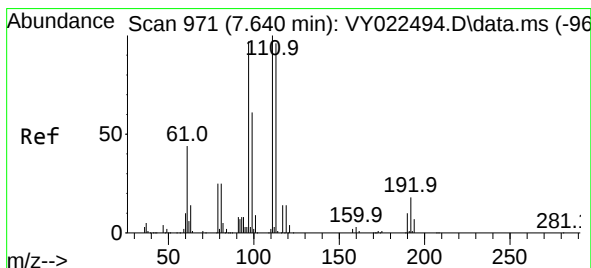
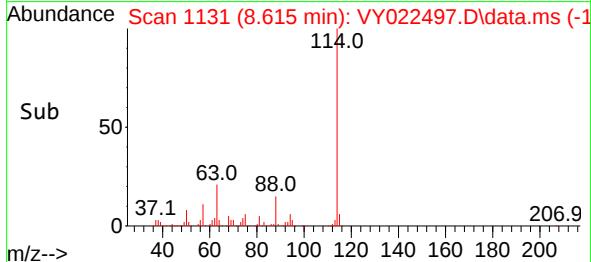
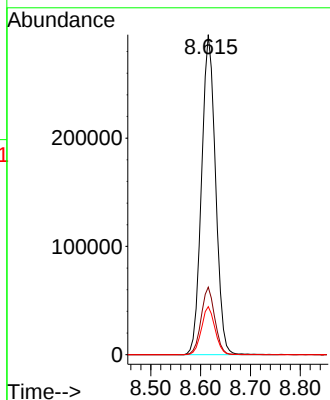
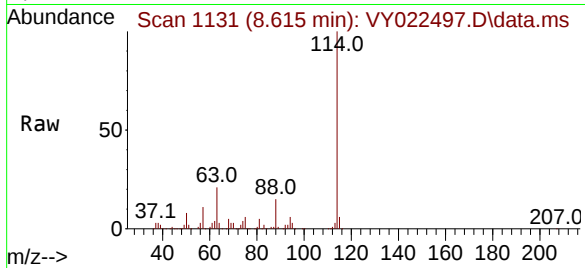




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022497.D
Acq: 02 Jun 2025 14:03

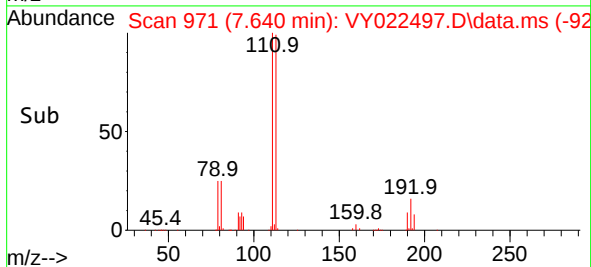
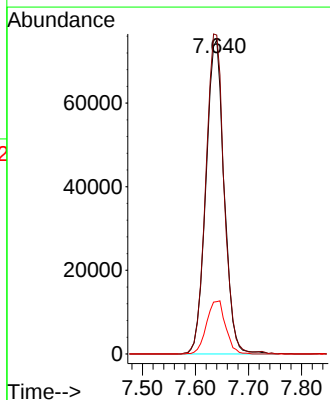
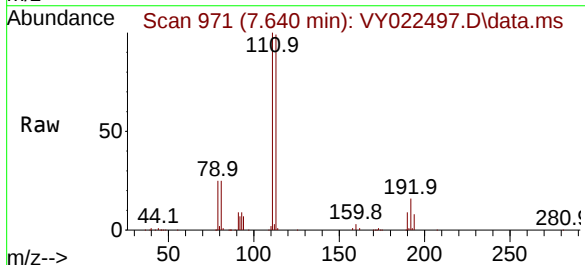
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

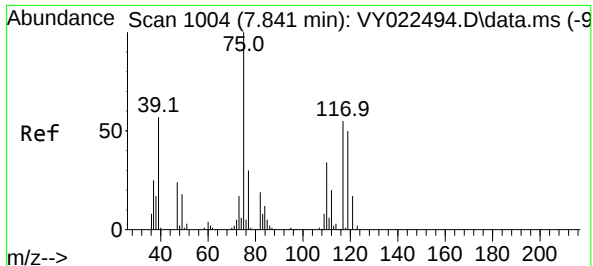
Tgt Ion:114 Resp: 575456
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 15.0 0.0 27.8



#35
Dibromofluoromethane
Concen: 52.025 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022497.D
Acq: 02 Jun 2025 14:03

Tgt Ion:113 Resp: 178693
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 17.7 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.234 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY022497.D

Acq: 02 Jun 2025 14:03

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

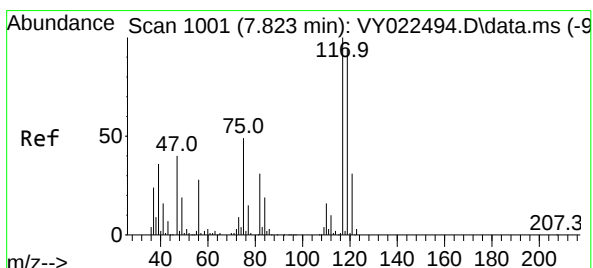
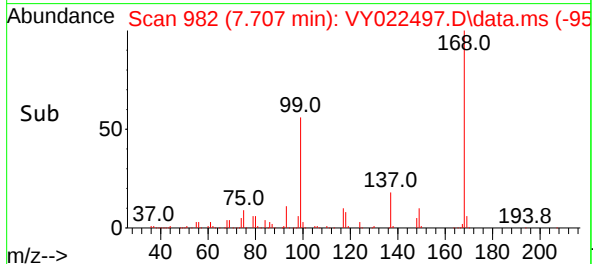
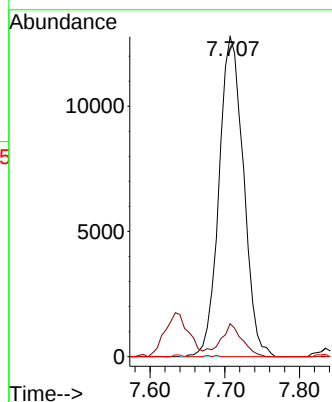
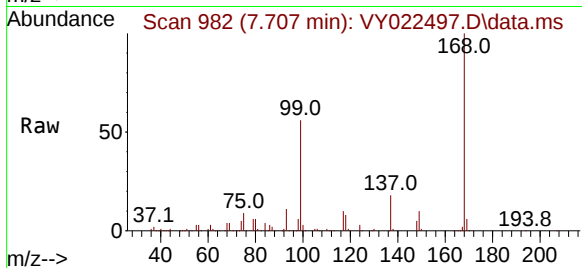
Tgt Ion: 75 Resp: 29175

Ion Ratio Lower Upper

75 100

110 9.1 16.9 50.7#

77 0.1 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.681 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022497.D

Acq: 02 Jun 2025 14:03

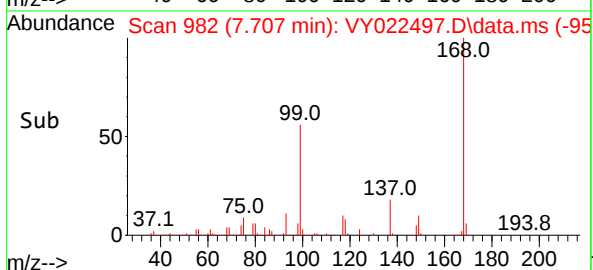
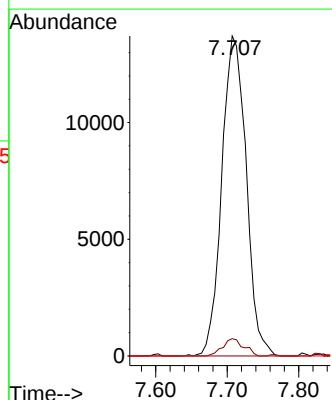
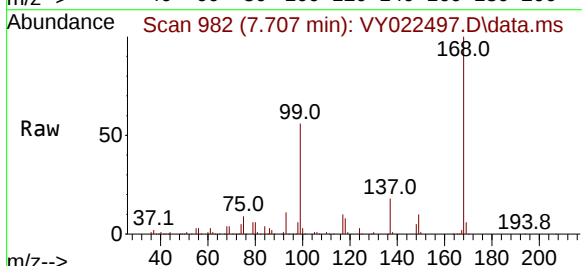
Tgt Ion: 117 Resp: 32489

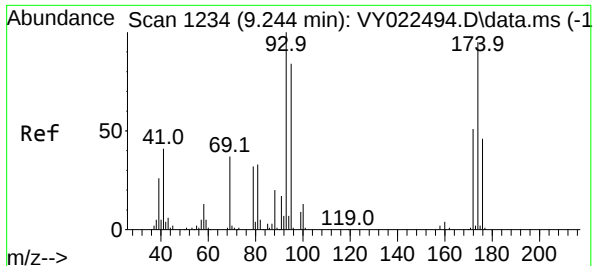
Ion Ratio Lower Upper

117 100

119 5.4 75.0 112.6#

121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 2.005 ug/l

RT: 9.237 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022497.D

Acq: 02 Jun 2025 14:03

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

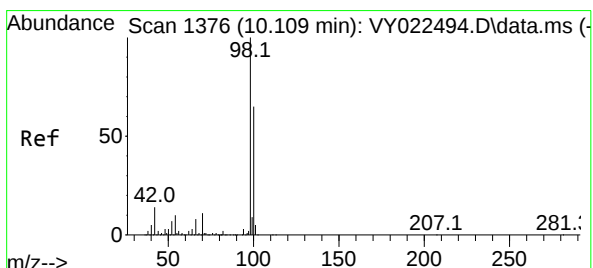
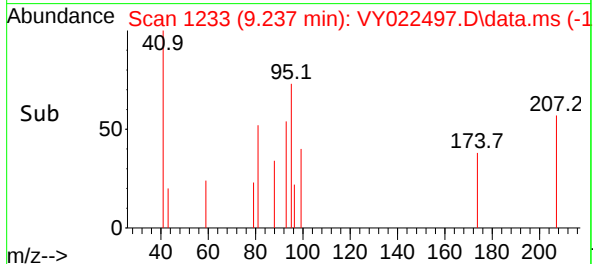
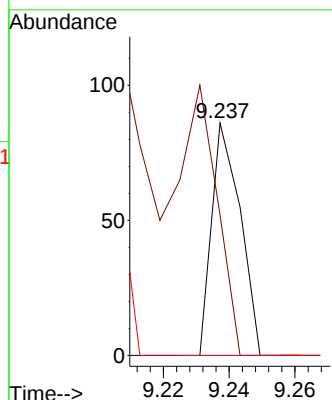
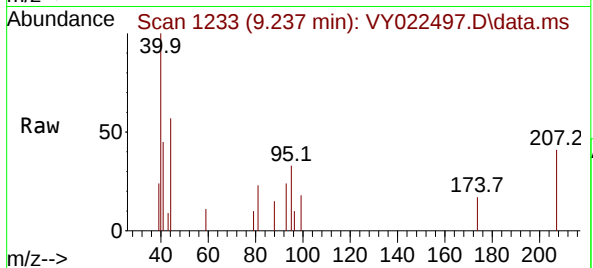
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 151.9 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 50.083 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022497.D

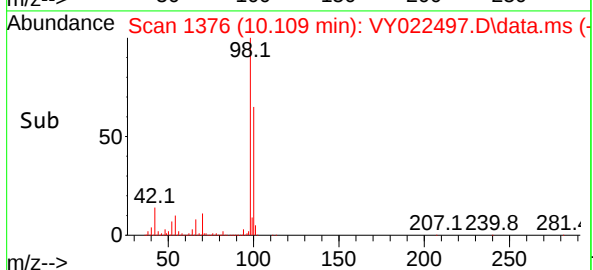
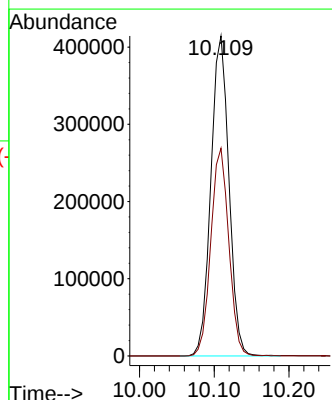
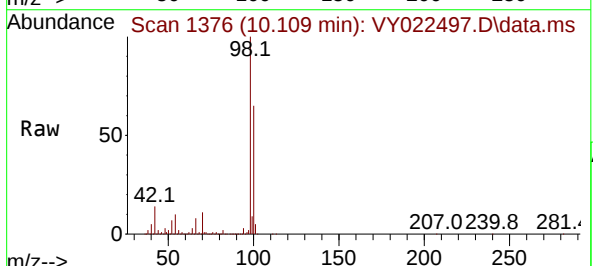
Acq: 02 Jun 2025 14:03

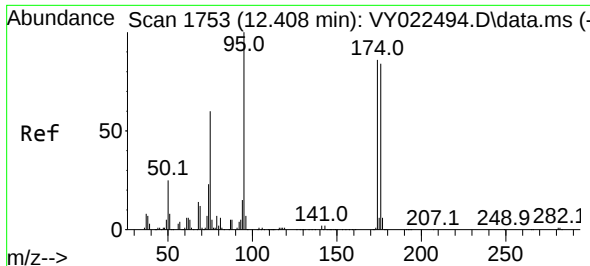
Tgt Ion: 98 Resp: 695092

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0

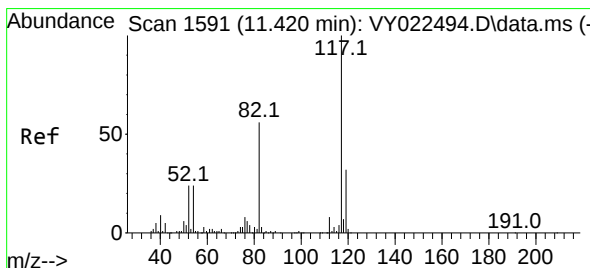
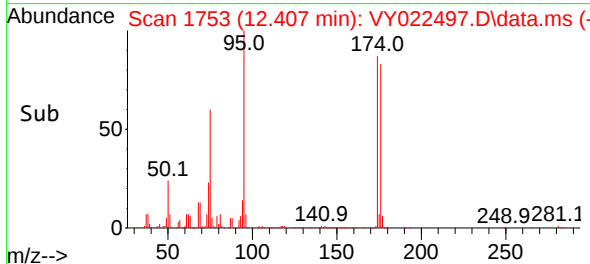
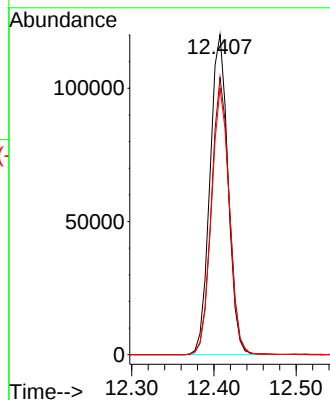
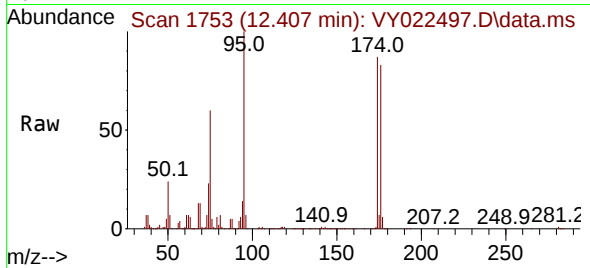




#62
4-Bromofluorobenzene
Concen: 44.393 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022497.D
Acq: 02 Jun 2025 14:03

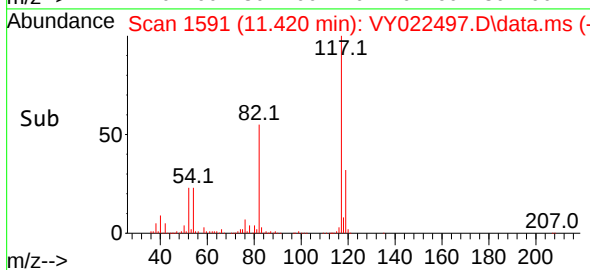
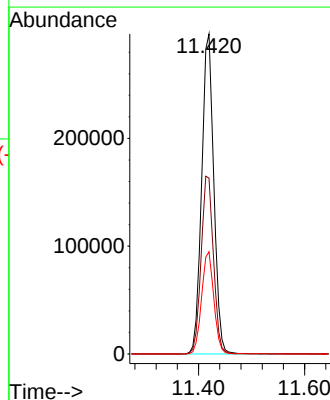
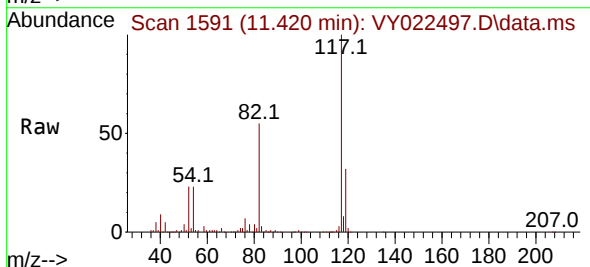
Instrument :
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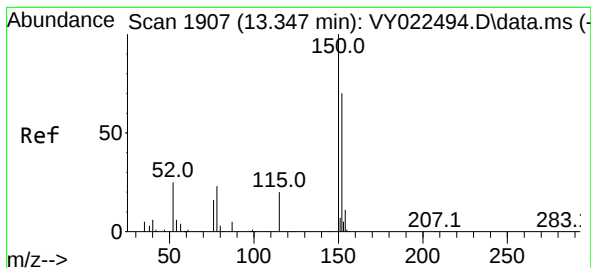
Tgt Ion: 95 Resp: 183570
Ion Ratio Lower Upper
95 100
174 85.7 0.0 170.0
176 82.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022497.D
Acq: 02 Jun 2025 14:03

Tgt Ion: 117 Resp: 470560
Ion Ratio Lower Upper
117 100
82 54.9 44.6 66.8
119 31.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022497.D

Acq: 02 Jun 2025 14:03

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

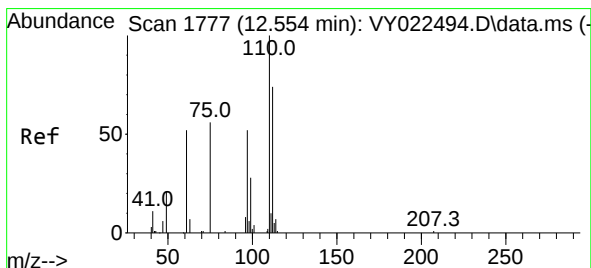
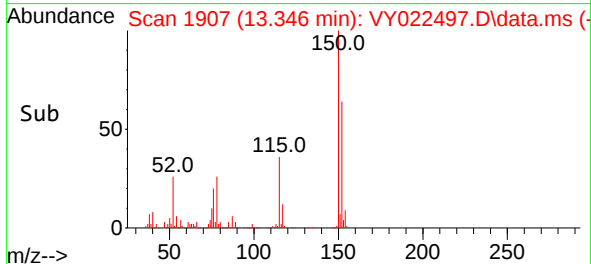
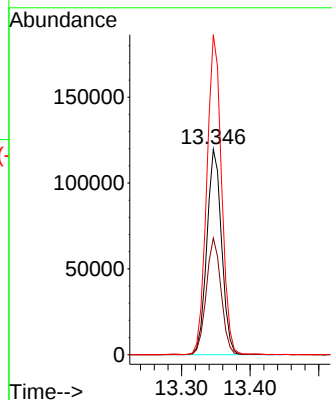
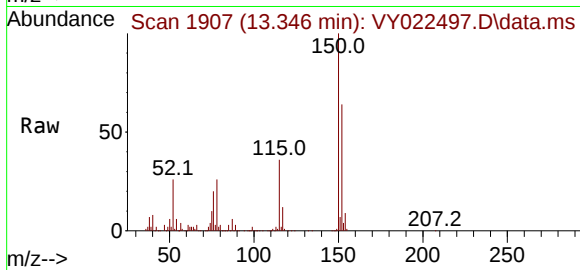
Tgt Ion:152 Resp: 179001

Ion Ratio Lower Upper

152 100

115 56.8 28.9 86.7

150 155.5 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 53.849 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY022497.D

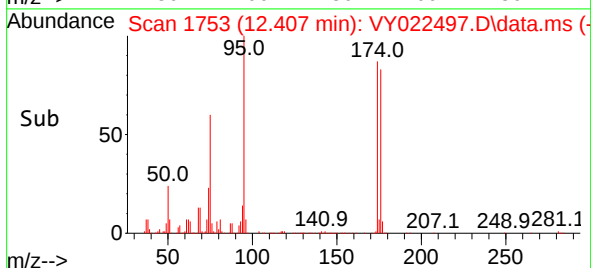
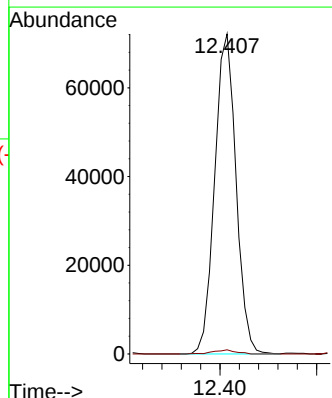
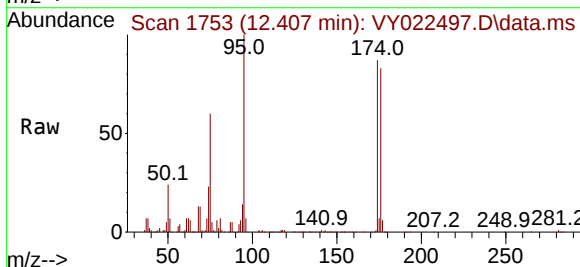
Acq: 02 Jun 2025 14:03

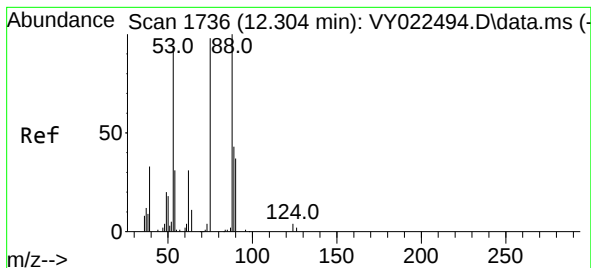
Tgt Ion: 75 Resp: 110274

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

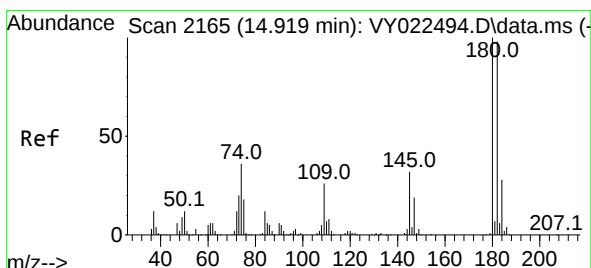
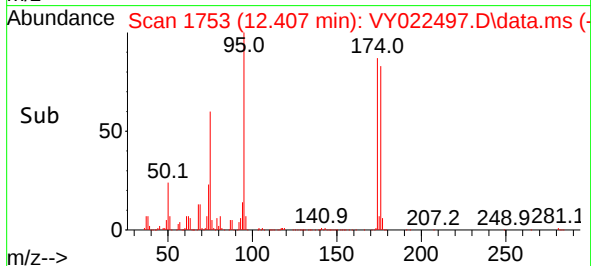
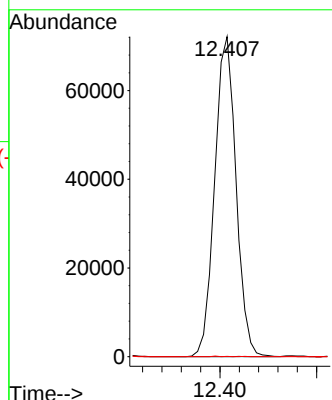
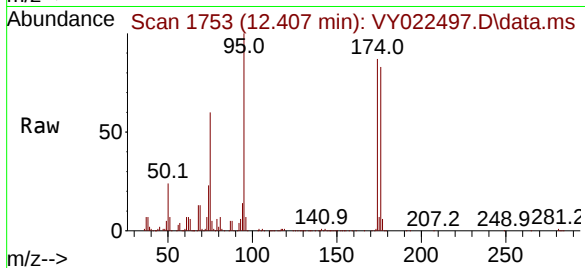




#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.042 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY022497.D
 Acq: 02 Jun 2025 14:03

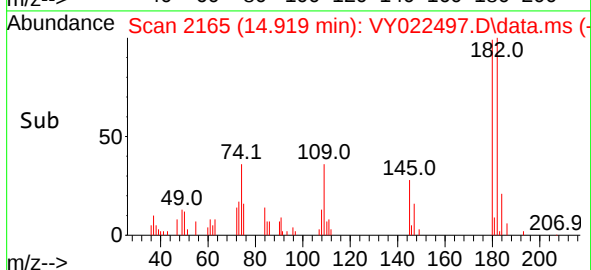
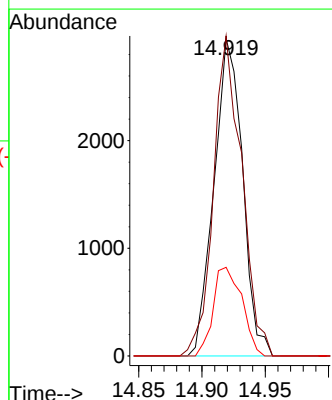
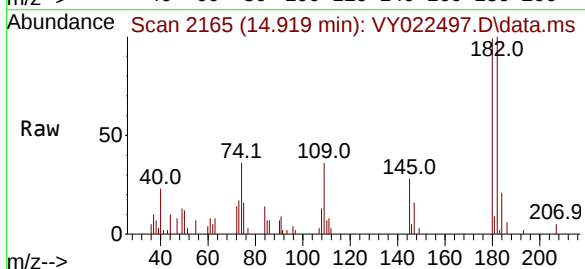
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

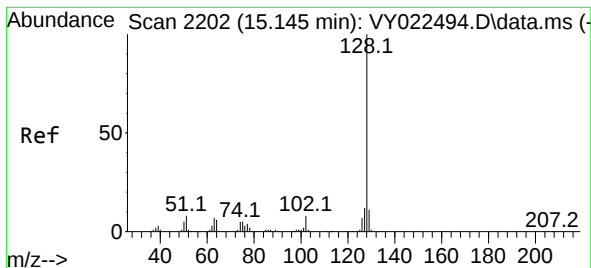
Tgt Ion: 75 Resp: 110274
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.1 35.7 53.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.589 ug/l
 RT: 14.919 min Scan# 2165
 Delta R.T. -0.000 min
 Lab File: VY022497.D
 Acq: 02 Jun 2025 14:03

Tgt Ion:180 Resp: 4624
 Ion Ratio Lower Upper
 180 100
 182 100.1 48.4 145.3
 145 28.1 15.5 46.5





#95

Naphthalene

Concen: 2.255 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY022497.D

Acq: 02 Jun 2025 14:03

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

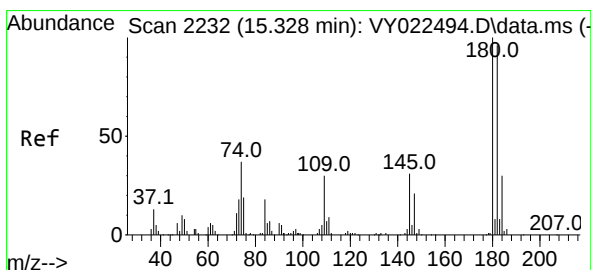
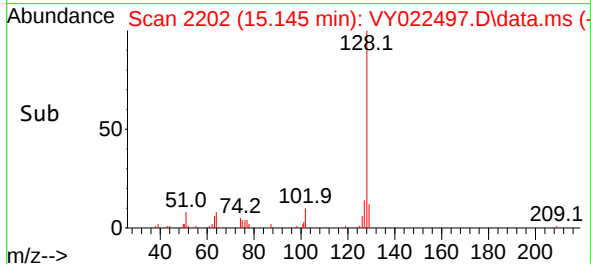
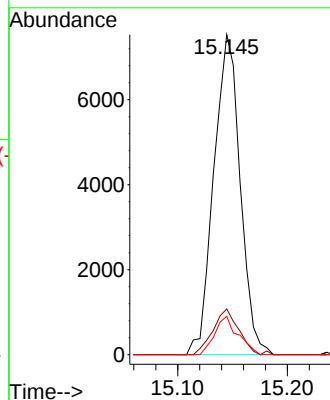
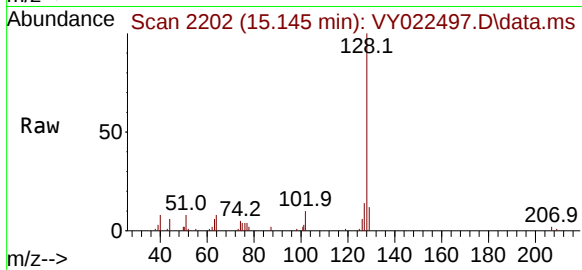
Tgt Ion:128 Resp: 12593

Ion Ratio Lower Upper

128 100

127 14.0 10.4 15.6

129 10.6 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 2.093 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY022497.D

Acq: 02 Jun 2025 14:03

Tgt Ion:180 Resp: 5220

Ion Ratio Lower Upper

180 100

182 84.8 47.1 141.3

145 29.3 15.2 45.6

