

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022863.D
 Acq On : 27 Jun 2025 15:43
 Operator : SY/MD
 Sample : Q2436-08
 Misc : 7.14g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-100

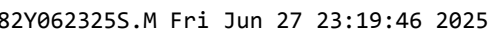
Quant Time: Jun 27 23:19:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	312427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	578070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	554007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	240211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	167771	48.113	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.220%
35) Dibromofluoromethane	7.634	113	175524	49.928	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.860%
50) Toluene-d8	10.103	98	703129	50.403	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.800%
62) 4-Bromofluorobenzene	12.401	95	246795	55.032	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.060%
Target Compounds						Qvalue
16) Acetone	3.866	43	4584	6.955	ug/l	96
20) Methylene Chloride	4.610	84	17321	4.162	ug/l	95
31) Cyclohexane	7.701	56	8179	1.366	ug/l #	15
36) 1,1-Dichloropropene	7.707	75	26852	5.039	ug/l #	51
38) Carbon Tetrachloride	7.707	117	31205	5.550	ug/l #	19
58) 2-Chloroethyl Vinyl ether	9.817	63	54	15.681	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	140087	57.124	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	140087	144.316	ug/l #	11

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

Quant Time: Jun 27 23:19:35 2025
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QLast Update : Tue Jun 24 08:29:52 2025
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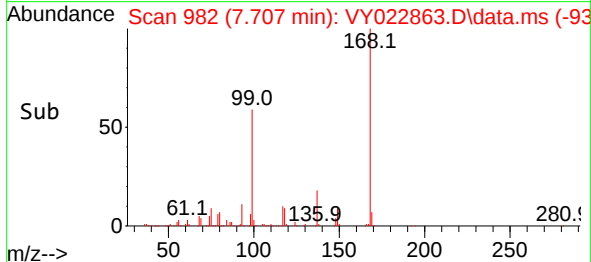
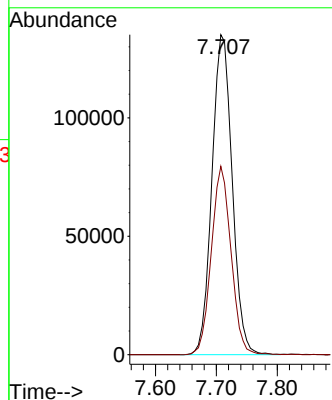
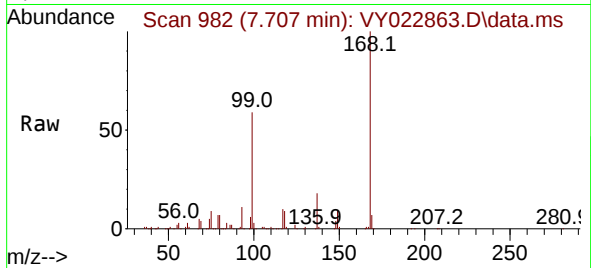




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022863.D
Acq: 27 Jun 2025 15:43

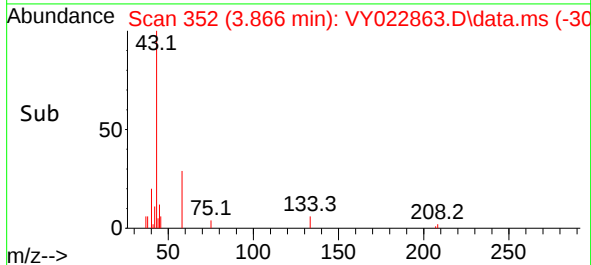
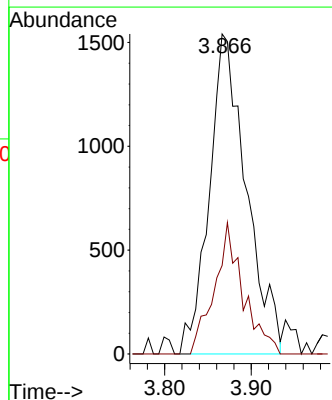
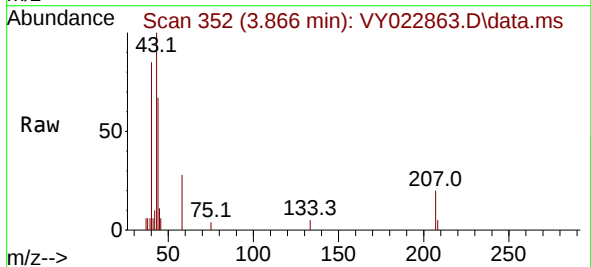
Instrument :
MSVOA_Y
ClientSampleId :
TP-100

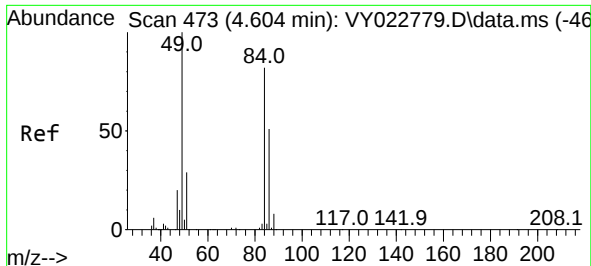
Tgt Ion:168 Resp: 312427
Ion Ratio Lower Upper
168 100
99 58.9 44.3 66.5



#16
Acetone
Concen: 6.955 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022863.D
Acq: 27 Jun 2025 15:43

Tgt Ion: 43 Resp: 4584
Ion Ratio Lower Upper
43 100
58 27.6 24.0 36.0

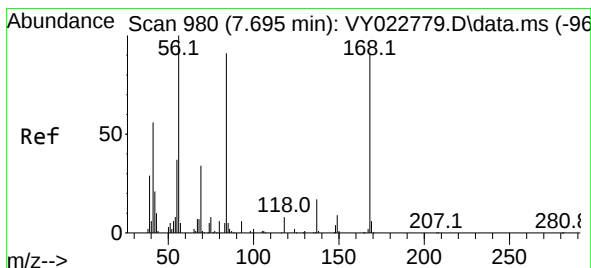
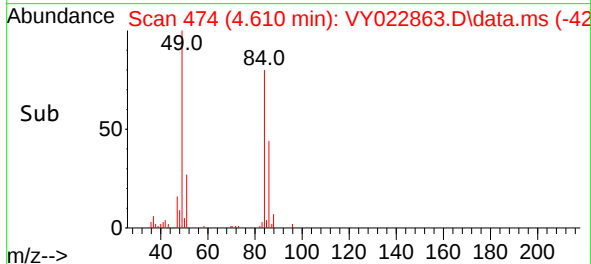
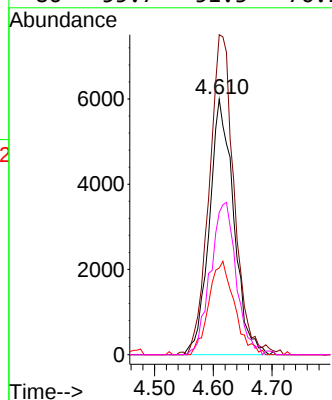
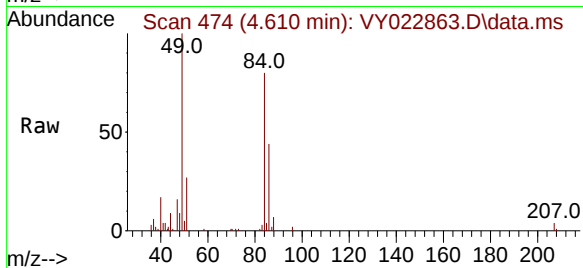




#20
Methylene Chloride
Concen: 4.162 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022863.D
Acq: 27 Jun 2025 15:43

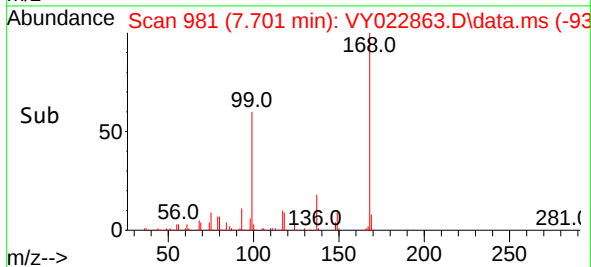
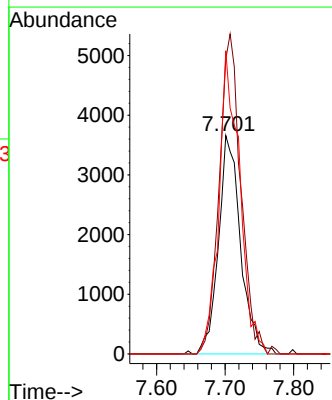
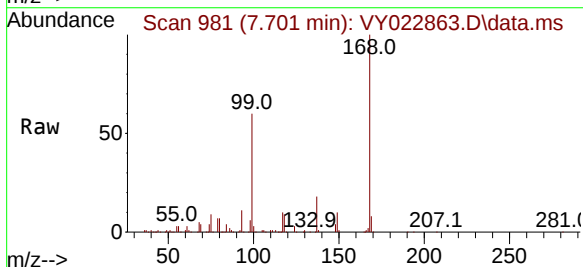
Instrument :
MSVOA_Y
ClientSampleId :
TP-100

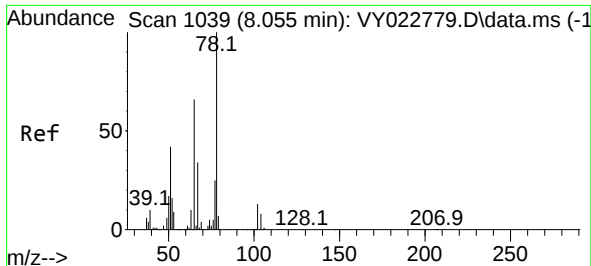
Tgt Ion:	84	Resp:	17321
Ion	Ratio	Lower	Upper
84	100		
49	124.3	101.9	152.9
51	33.9	29.8	44.8
86	55.7	51.3	76.9



#31
Cyclohexane
Concen: 1.366 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022863.D
Acq: 27 Jun 2025 15:43

Tgt Ion:	56	Resp:	8179
Ion	Ratio	Lower	Upper
56	100		
69	135.1	27.0	40.6#
84	138.9	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 48.113 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022863.D

Acq: 27 Jun 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :

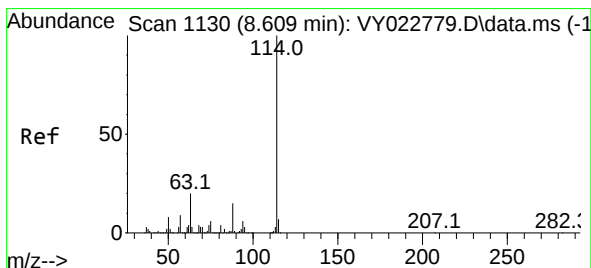
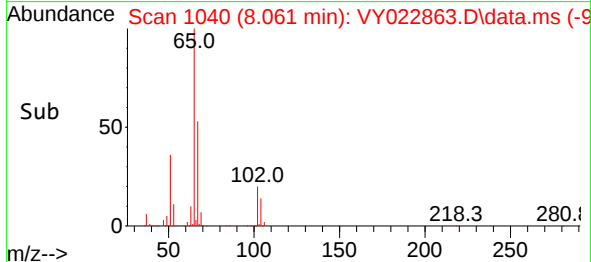
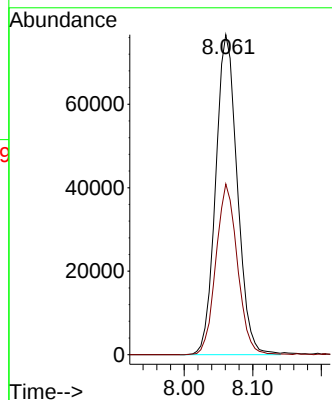
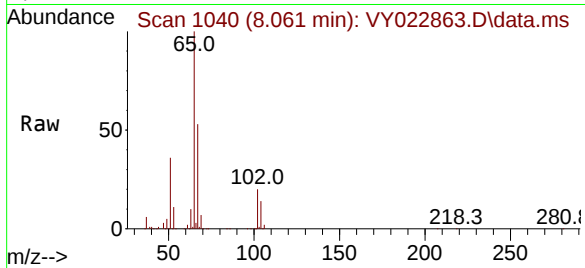
TP-100

Tgt Ion: 65 Resp: 167771

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022863.D

Acq: 27 Jun 2025 15:43

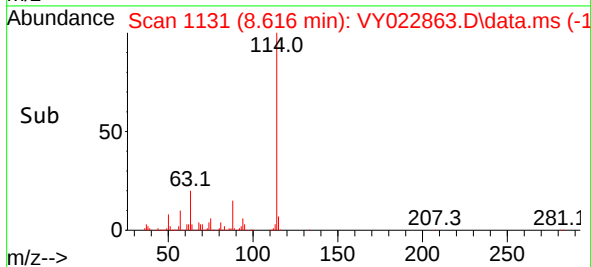
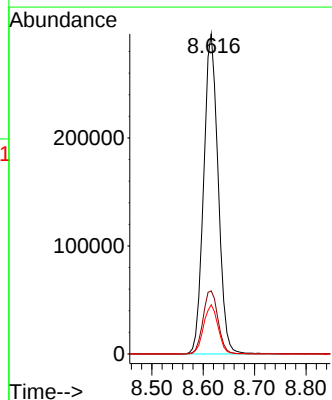
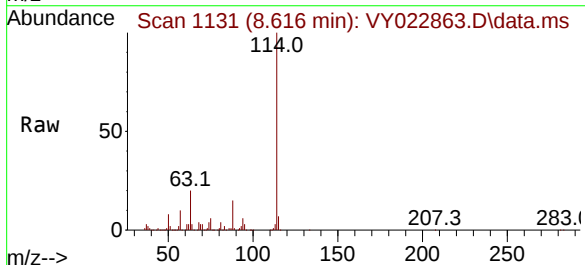
Tgt Ion:114 Resp: 578070

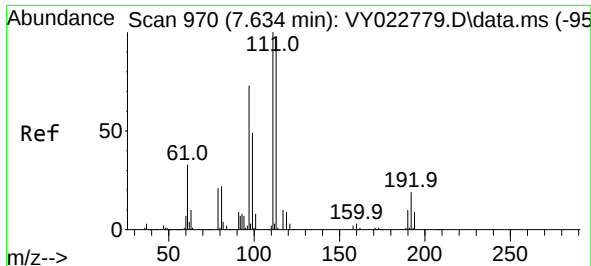
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 15.4 0.0 27.8

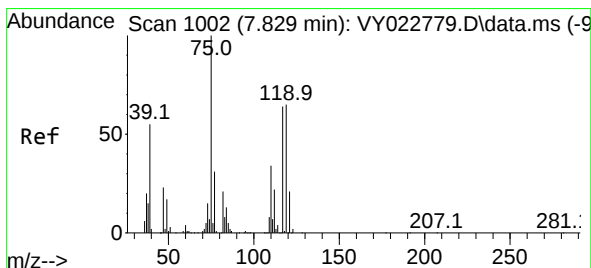
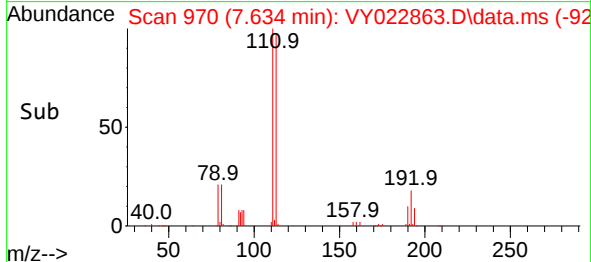
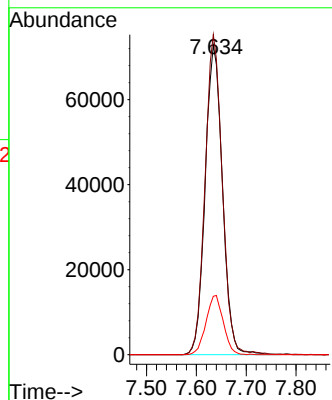
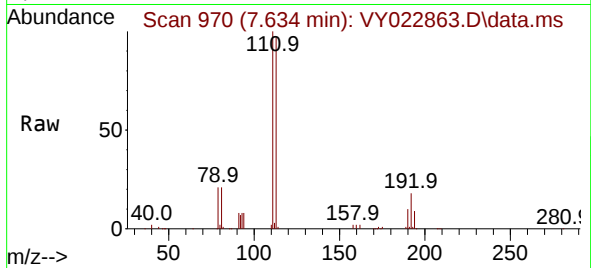




#35
Dibromofluoromethane
Concen: 49.928 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022863.D
Acq: 27 Jun 2025 15:43

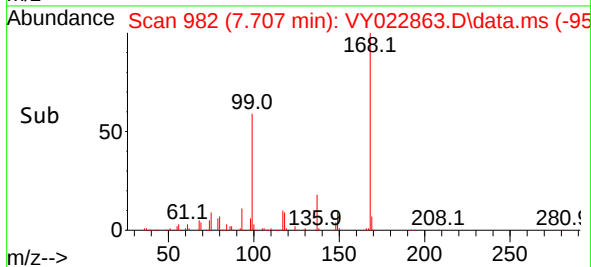
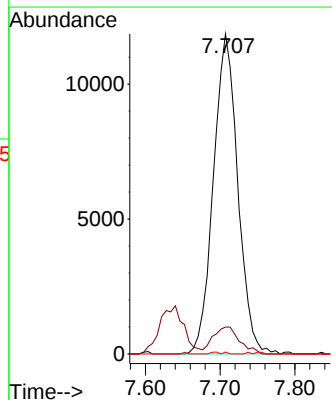
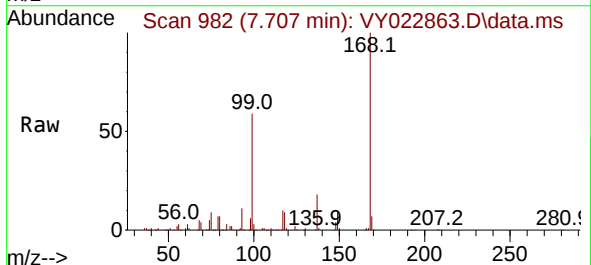
Instrument :
MSVOA_Y
ClientSampleId :
TP-100

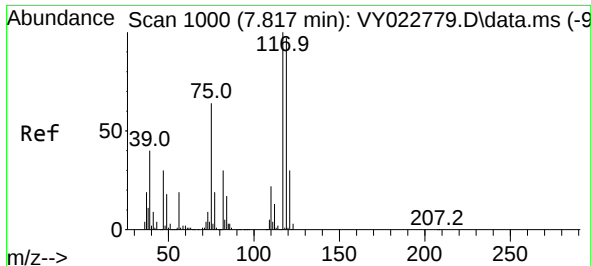
Tgt Ion:113 Resp: 175524
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 19.1 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.039 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022863.D
Acq: 27 Jun 2025 15:43

Tgt Ion: 75 Resp: 26852
Ion Ratio Lower Upper
75 100
110 9.1 16.9 50.7#
77 0.3 24.8 37.2#

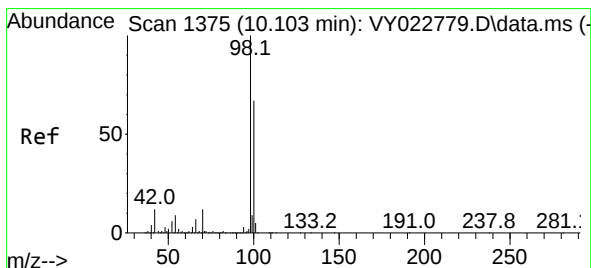
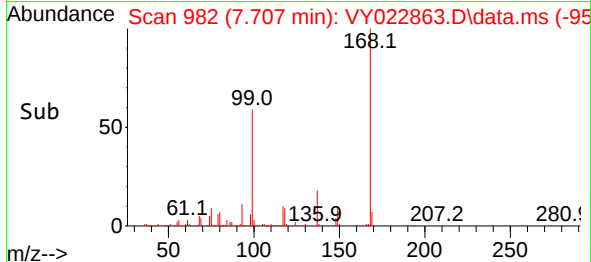
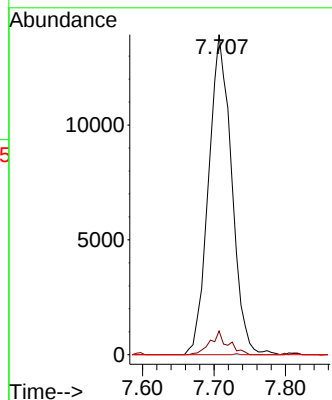
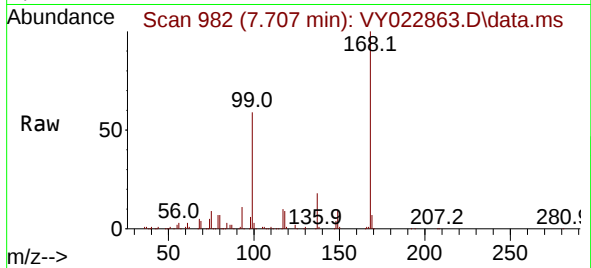




#38
Carbon Tetrachloride
Concen: 5.550 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022863.D
Acq: 27 Jun 2025 15:43

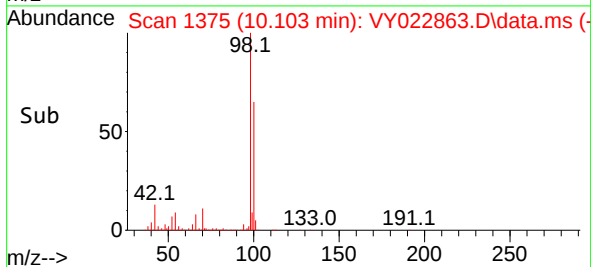
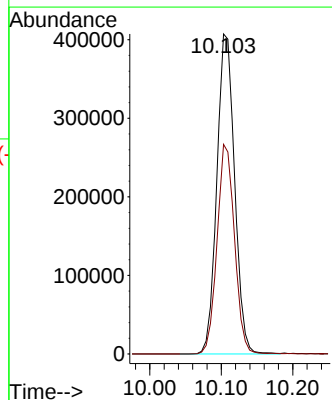
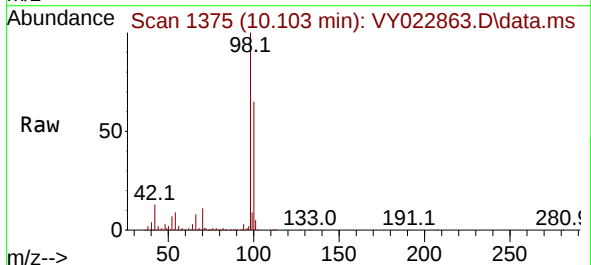
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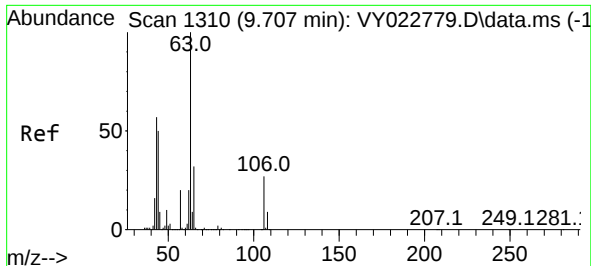
Tgt Ion:117 Resp: 31205
Ion Ratio Lower Upper
117 100
119 7.4 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.403 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022863.D
Acq: 27 Jun 2025 15:43

Tgt Ion: 98 Resp: 703129
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0

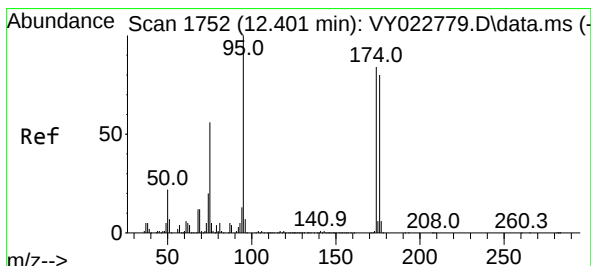
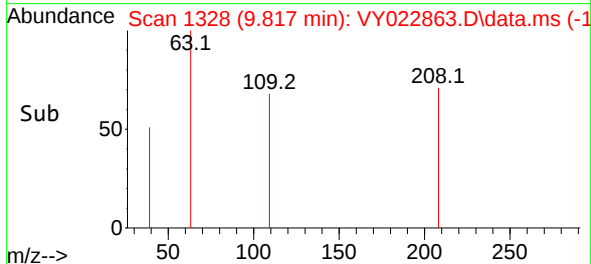
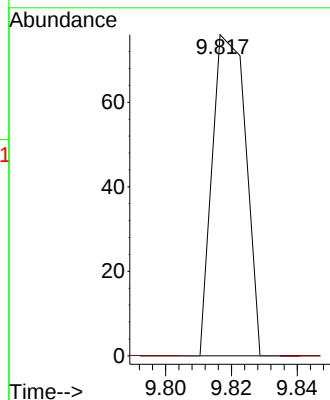
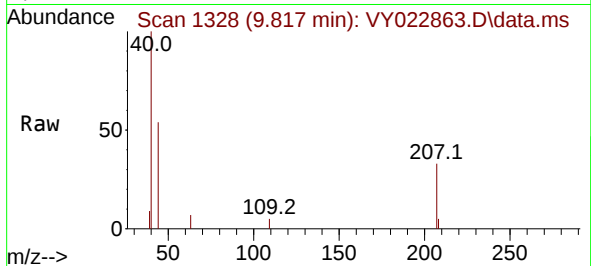




#58
2-Chloroethyl Vinyl ether
Concen: 15.681 ug/l
RT: 9.817 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022863.D
Acq: 27 Jun 2025 15:43

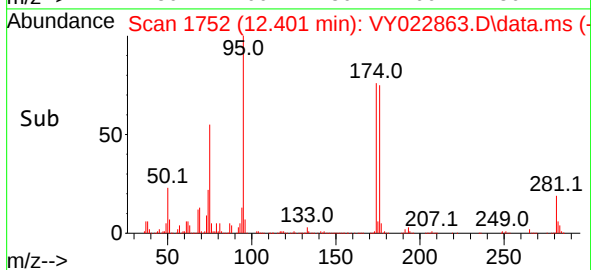
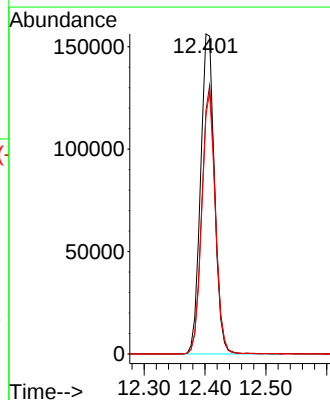
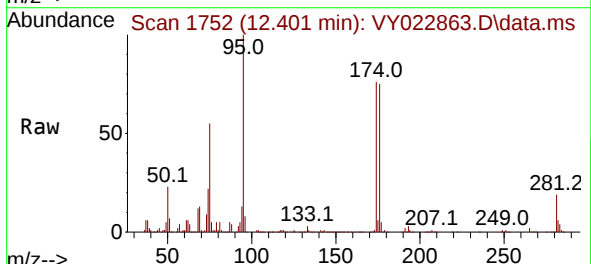
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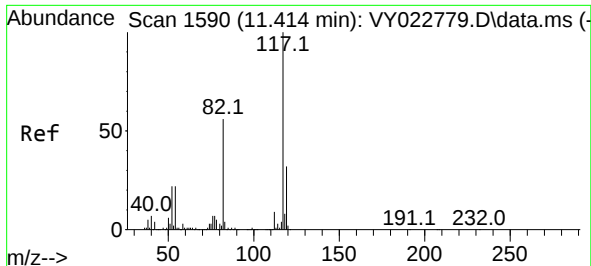
Tgt Ion: 63 Resp: 54
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 55.032 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022863.D
Acq: 27 Jun 2025 15:43

Tgt Ion: 95 Resp: 246795
Ion Ratio Lower Upper
95 100
174 82.5 0.0 170.0
176 79.7 0.0 166.2

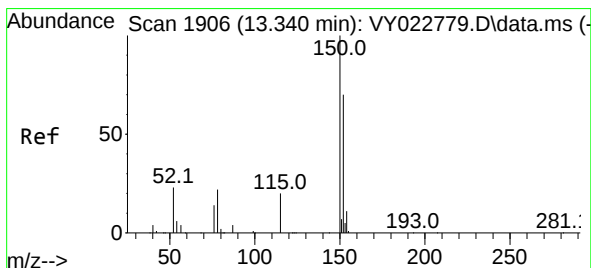
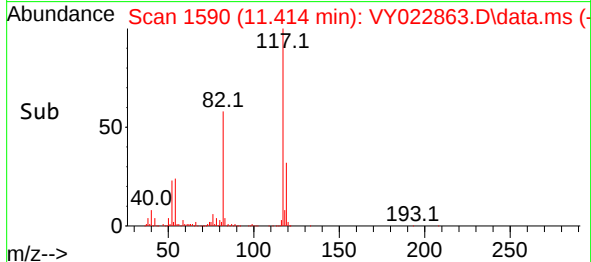
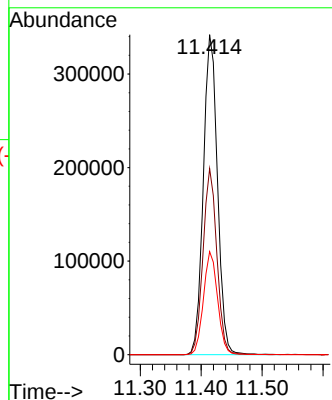
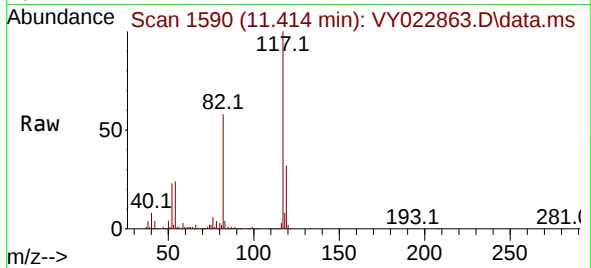




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022863.D
Acq: 27 Jun 2025 15:43

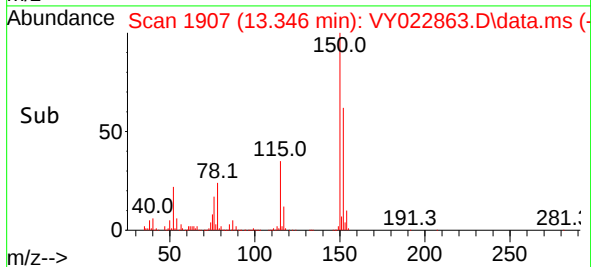
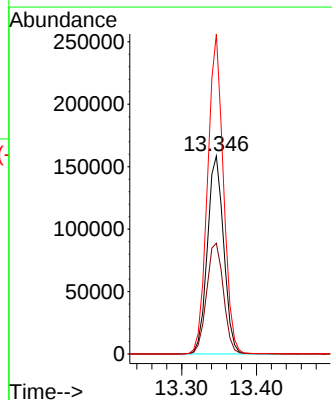
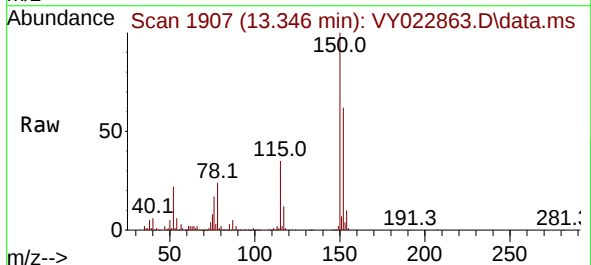
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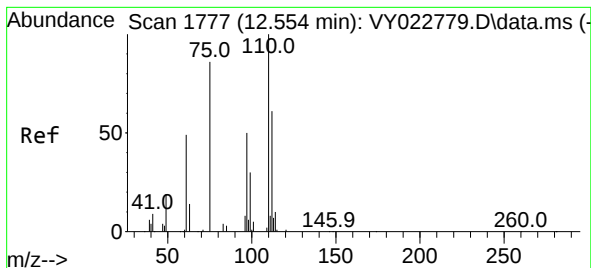
Tgt Ion:117 Resp: 554007
Ion Ratio Lower Upper
117 100
82 58.1 44.6 66.8
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022863.D
Acq: 27 Jun 2025 15:43

Tgt Ion:152 Resp: 240211
Ion Ratio Lower Upper
152 100
115 58.1 28.9 86.7
150 156.9 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 57.124 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022863.D

Acq: 27 Jun 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :

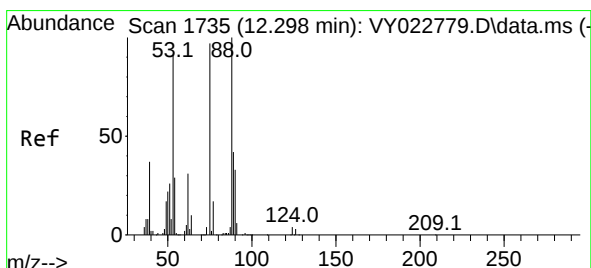
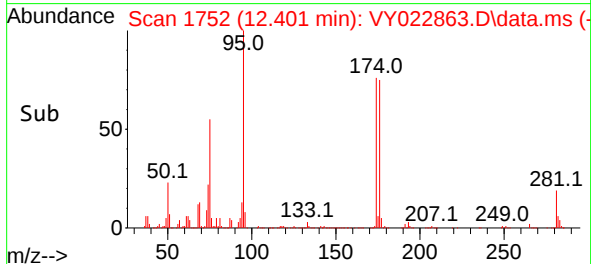
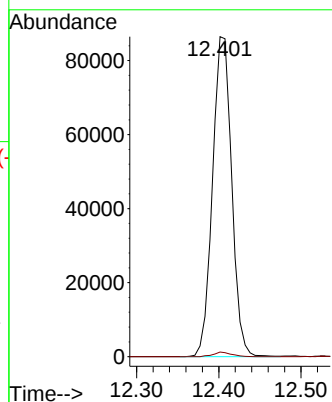
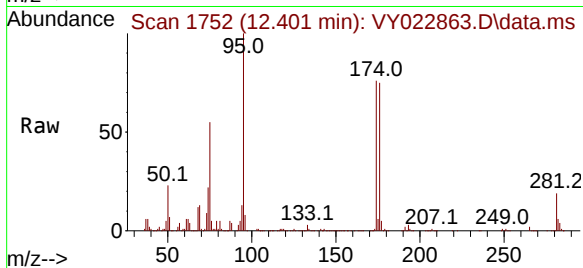
TP-100

Tgt Ion: 75 Resp: 140087

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 144.316 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022863.D

Acq: 27 Jun 2025 15:43

Tgt Ion: 75 Resp: 140087

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.6 35.7 53.5#

