

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021973.D
 Acq On : 23 Apr 2025 15:50
 Operator : SY/MD
 Sample : Q1854-01
 Misc : 5.95g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-08-04222025

Quant Time: Apr 24 03:46:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

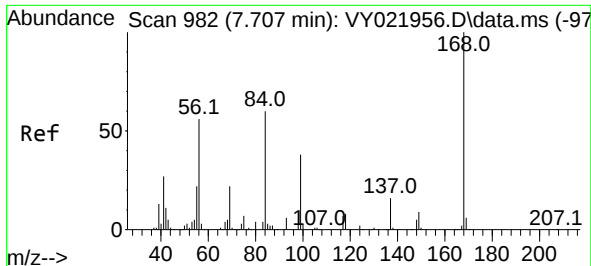
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	305479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	547185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	444744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	152602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	130331	46.190	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.380%
35) Dibromofluoromethane	7.634	113	172445	47.703	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.400%
50) Toluene-d8	10.109	98	638306	46.836	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.680%
62) 4-Bromofluorobenzene	12.408	95	159600	34.787	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.580%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	445	Below Cal	#	41
31) Cyclohexane	7.707	56	5650	1.211	ug/l #	9
36) 1,1-Dichloropropene	7.707	75	22827	4.701	ug/l #	48
38) Carbon Tetrachloride	7.701	117	29382	5.064	ug/l #	18
51) 4-Methyl-2-Pentanone	10.103	43	2167	1.234	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	76039	58.173	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	76039	140.090	ug/l #	16

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

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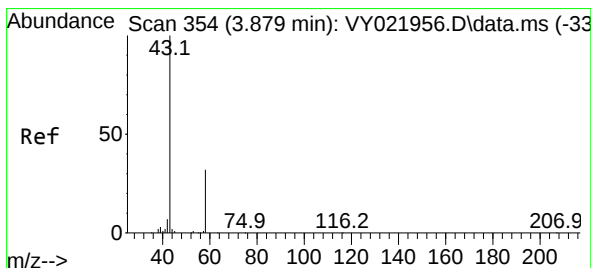
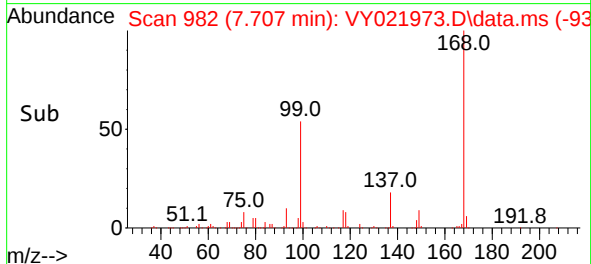
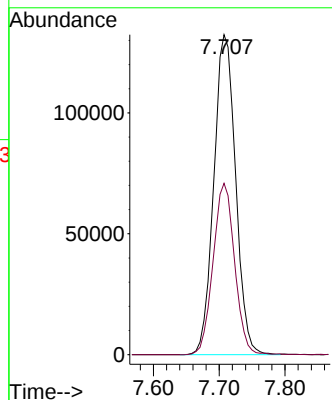
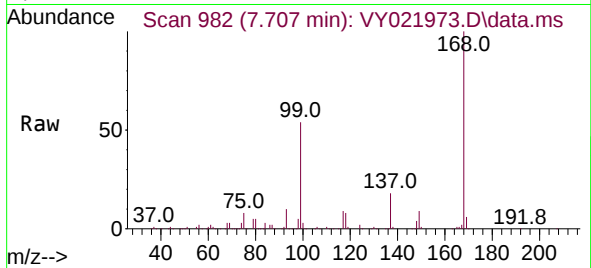




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021973.D
Acq: 23 Apr 2025 15:50

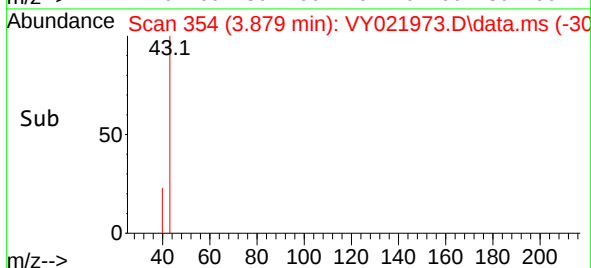
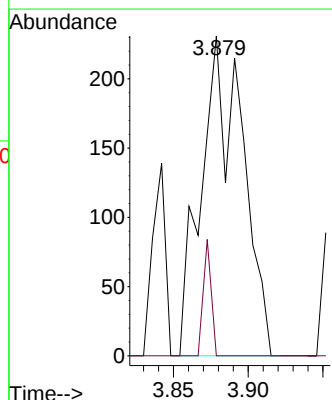
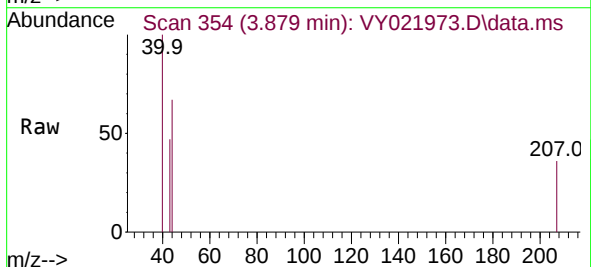
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-04222025

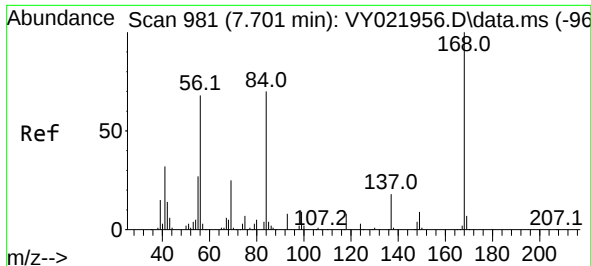
Tgt Ion:168 Resp: 305479
Ion Ratio Lower Upper
168 100
99 53.6 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021973.D
Acq: 23 Apr 2025 15:50

Tgt Ion: 43 Resp: 445
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

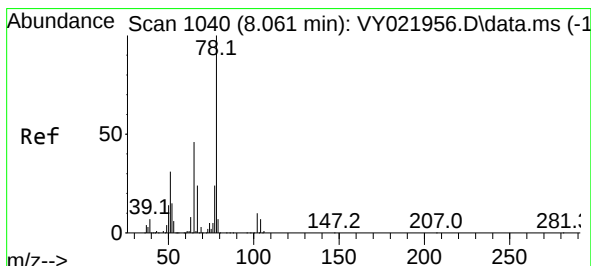
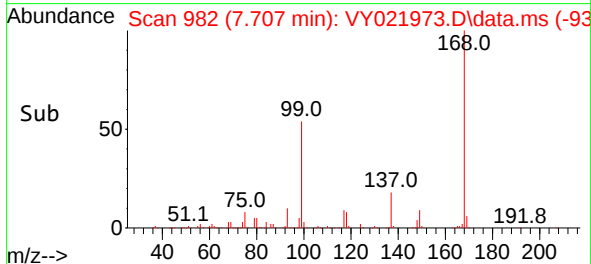
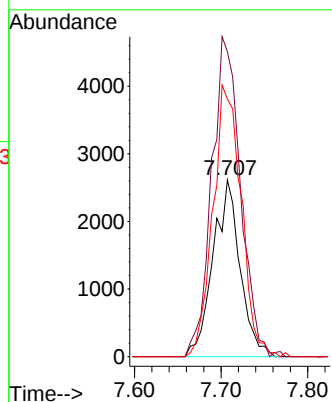
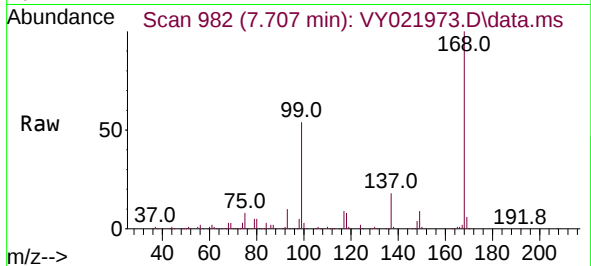




#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021973.D
Acq: 23 Apr 2025 15:50

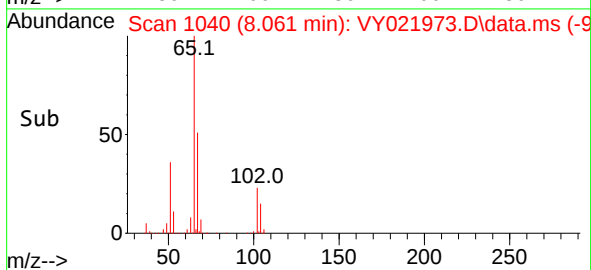
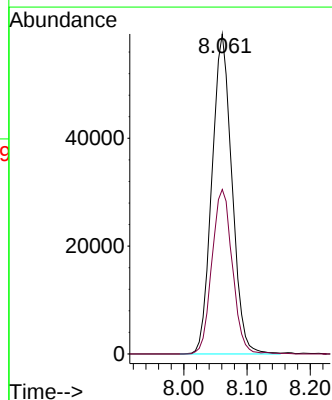
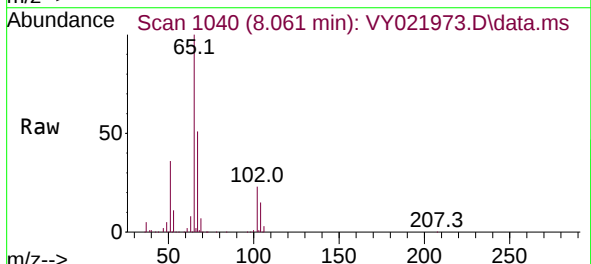
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-04222025

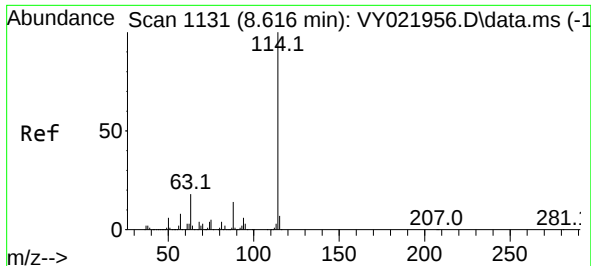
Tgt Ion: 56 Resp: 5650
Ion Ratio Lower Upper
56 100
69 172.5 29.4 44.2#
84 145.6 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 46.190 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021973.D
Acq: 23 Apr 2025 15:50

Tgt Ion: 65 Resp: 130331
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021973.D

Acq: 23 Apr 2025 15:50

Instrument :

MSVOA_Y

ClientSampleId :

NB-08-04222025

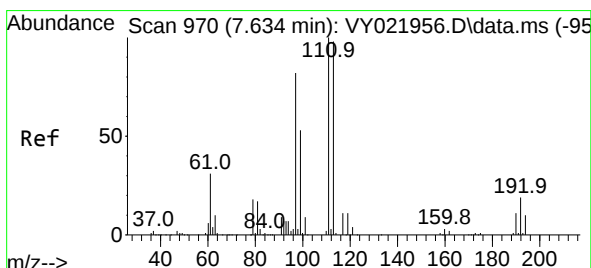
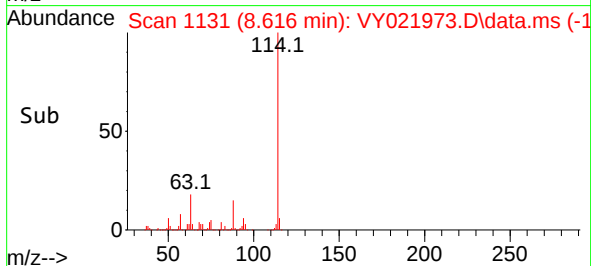
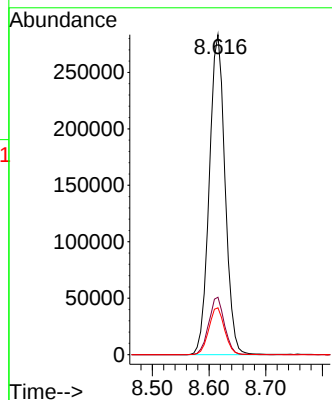
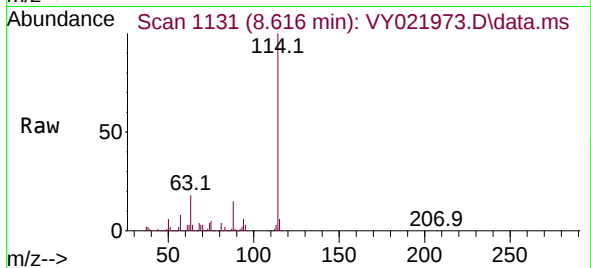
Tgt Ion:114 Resp: 547185

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.4

88 14.7 0.0 28.2



#35

Dibromofluoromethane

Concen: 47.703 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021973.D

Acq: 23 Apr 2025 15:50

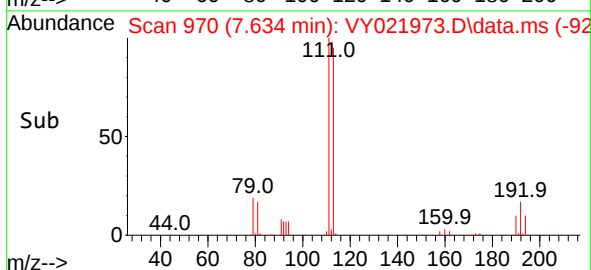
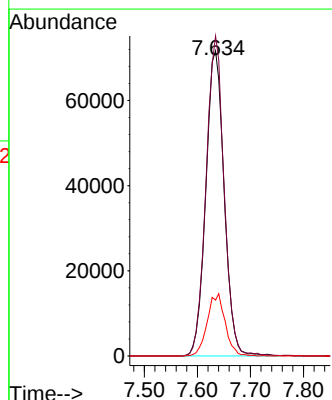
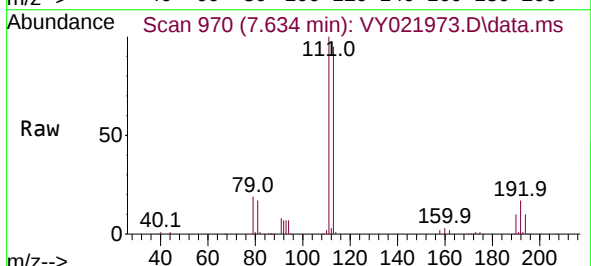
Tgt Ion:113 Resp: 172445

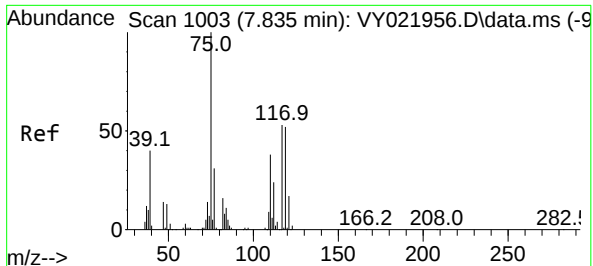
Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

192 19.9 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.701 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY021973.D

Acq: 23 Apr 2025 15:50

Instrument :

MSVOA_Y

ClientSampleId :

NB-08-04222025

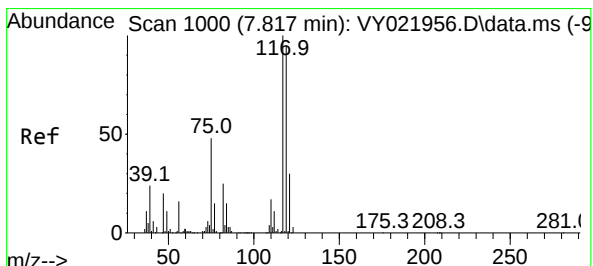
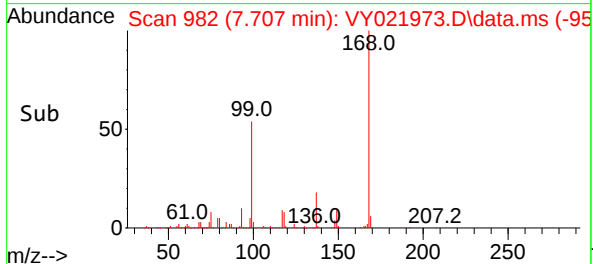
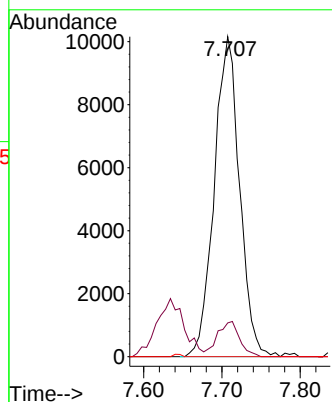
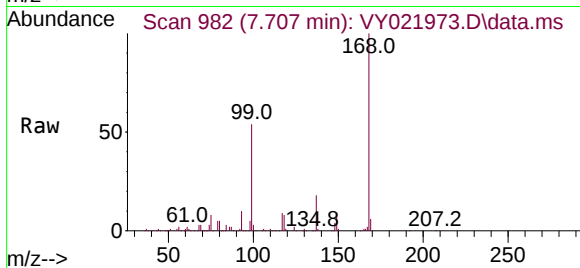
Tgt Ion: 75 Resp: 22827

Ion Ratio Lower Upper

75 100

110 9.7 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 5.064 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY021973.D

Acq: 23 Apr 2025 15:50

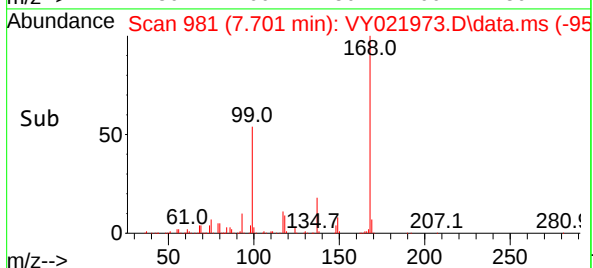
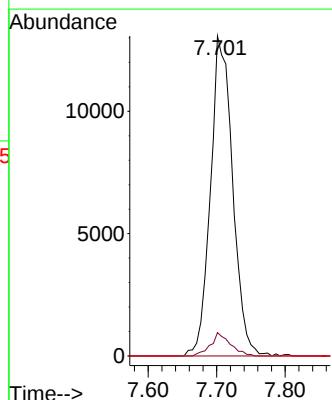
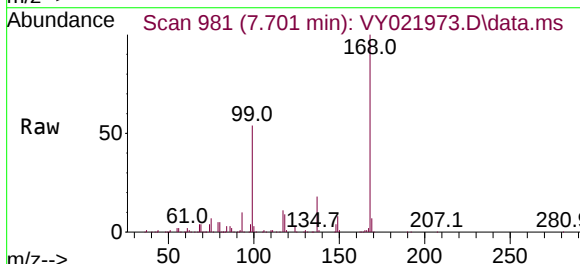
Tgt Ion: 117 Resp: 29382

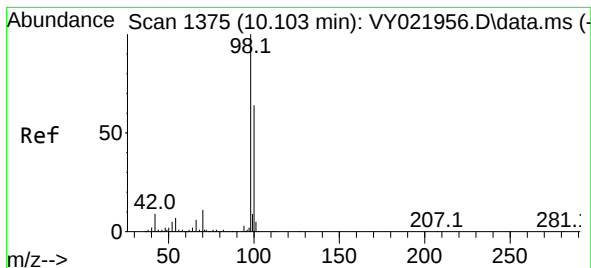
Ion Ratio Lower Upper

117 100

119 7.3 76.2 114.4#

121 0.0 24.0 36.0#

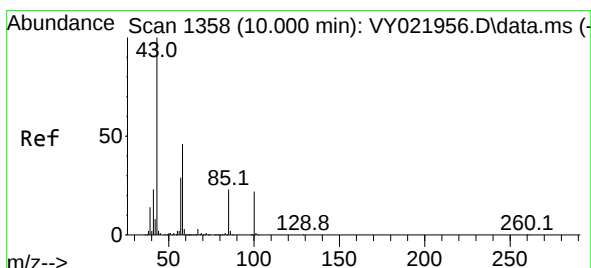
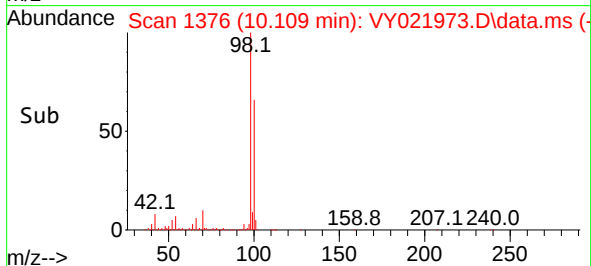
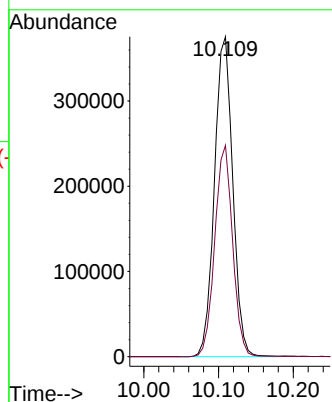
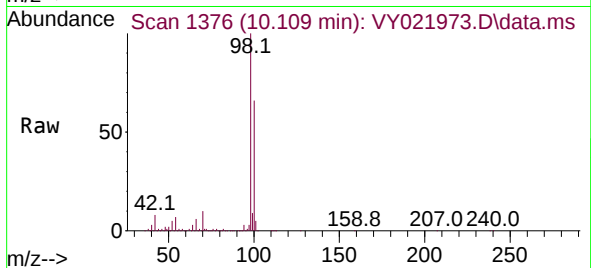




#50
Toluene-d8
Concen: 46.836 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021973.D
Acq: 23 Apr 2025 15:50

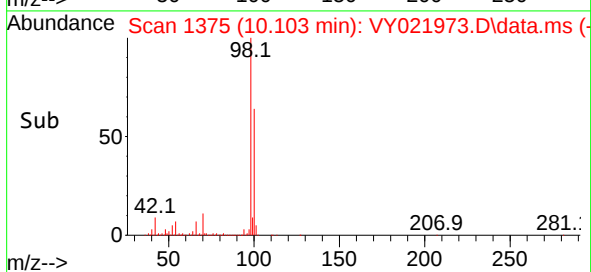
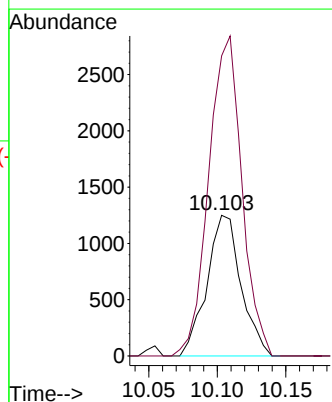
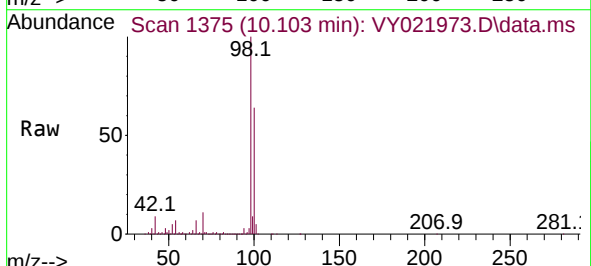
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-04222025

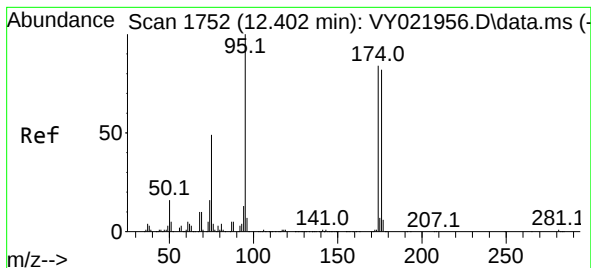
Tgt Ion: 98 Resp: 638306
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.234 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY021973.D
Acq: 23 Apr 2025 15:50

Tgt Ion: 43 Resp: 2167
Ion Ratio Lower Upper
43 100
58 220.9 36.6 55.0#

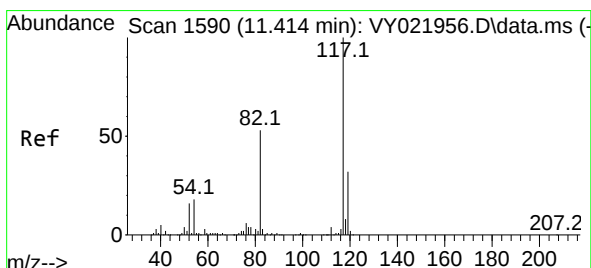
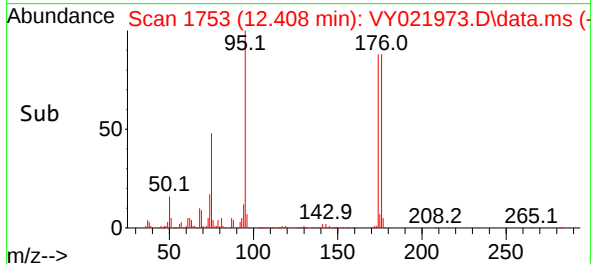
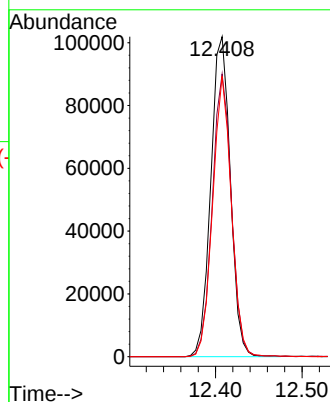
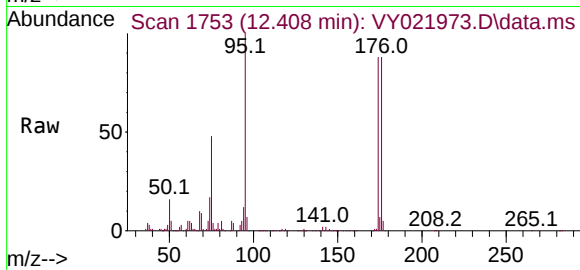




#62
4-Bromofluorobenzene
Concen: 34.787 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021973.D
Acq: 23 Apr 2025 15:50

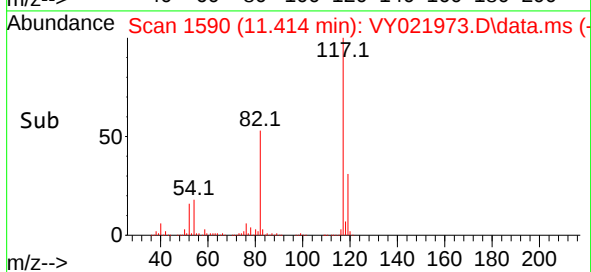
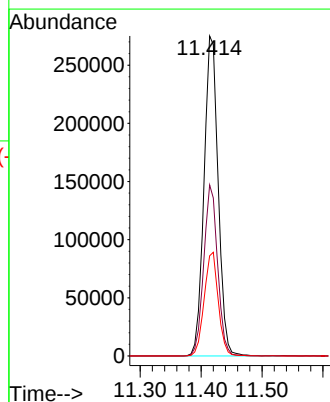
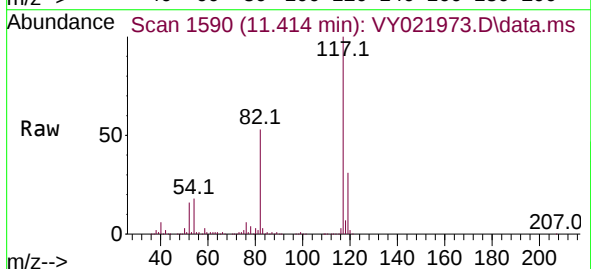
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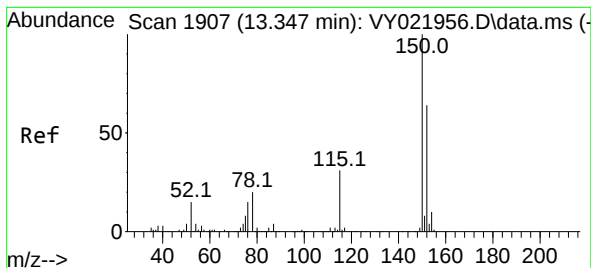
Tgt Ion: 95 Resp: 159600
Ion Ratio Lower Upper
95 100
174 86.7 0.0 179.0
176 84.0 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY021973.D
Acq: 23 Apr 2025 15:50

Tgt Ion: 117 Resp: 444744
Ion Ratio Lower Upper
117 100
82 53.5 42.1 63.1
119 31.3 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021973.D

Acq: 23 Apr 2025 15:50

Instrument :

MSVOA_Y

ClientSampleId :

NB-08-04222025

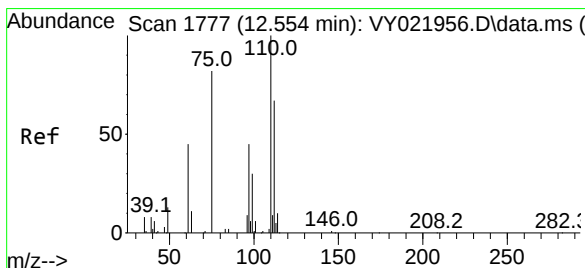
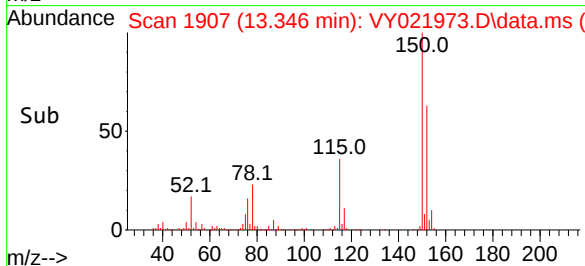
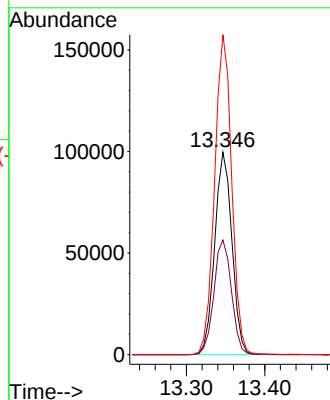
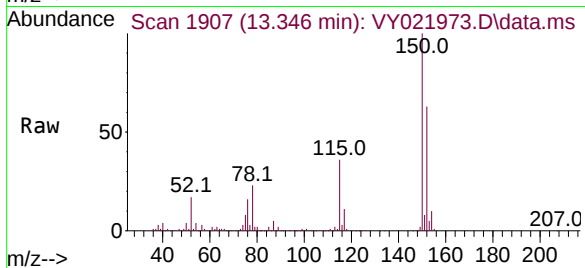
Tgt Ion:152 Resp: 152602

Ion Ratio Lower Upper

152 100

115 57.7 28.0 84.0

150 156.5 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 58.173 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021973.D

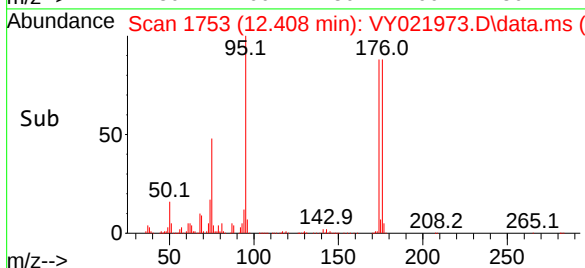
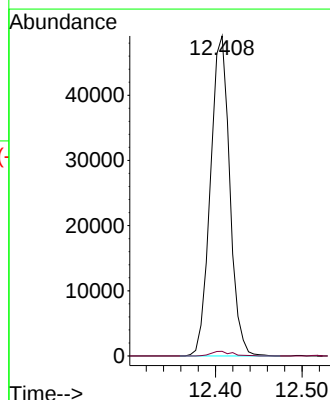
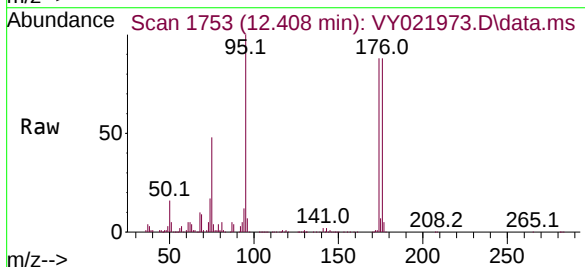
Acq: 23 Apr 2025 15:50

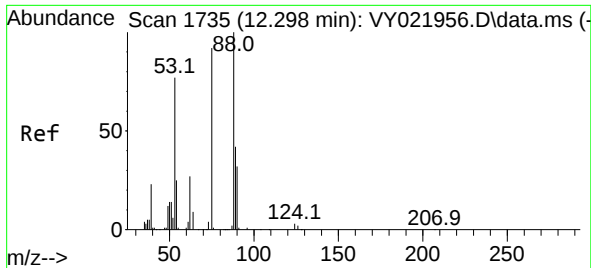
Tgt Ion: 75 Resp: 76039

Ion Ratio Lower Upper

75 100

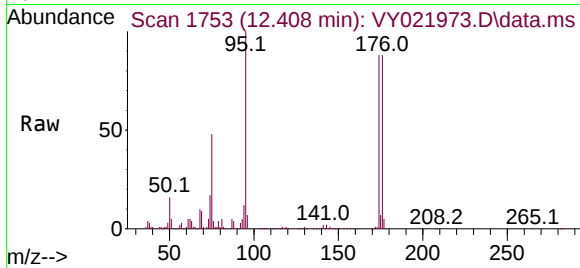
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.090 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY021973.D
 Acq: 23 Apr 2025 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-08-04222025



Tgt Ion:	75	Resp:	76039
Ion	Ratio	Lower	Upper
75	100		
53	0.1	66.0	99.0#
89	0.0	37.2	55.8#

