

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023243.D
 Acq On : 29 Aug 2025 13:31
 Operator : SY/MD
 Sample : Q2986-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NORTH-TP-1

Quant Time: Aug 30 01:21:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

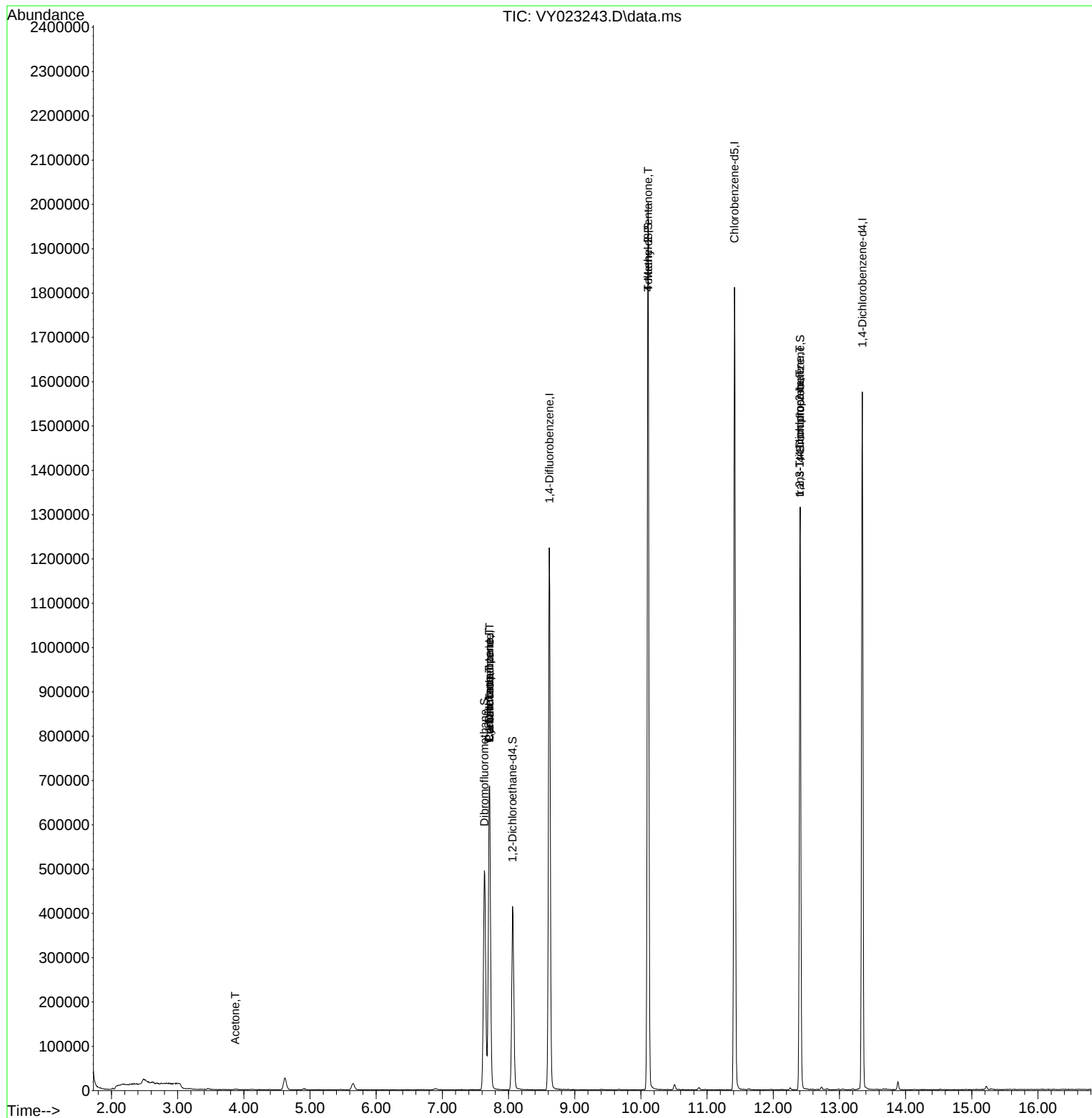
Internal Standards						
1) Pentafluorobenzene	7.713	168	556984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1078071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	994698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	405103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	316654	59.651	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.300%	
35) Dibromofluoromethane	7.634	113	359771	55.771	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.540%	
50) Toluene-d8	10.109	98	1301983	51.664	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.320%	
62) 4-Bromofluorobenzene	12.407	95	388913	47.987	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.980%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	2013	1.750	ug/l #	86
31) Cyclohexane	7.707	56	10957	1.108	ug/l #	15
36) 1,1-Dichloropropene	7.707	75	41511	4.330	ug/l #	50
38) Carbon Tetrachloride	7.713	117	53788	5.166	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	5046	1.202	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	198641	50.808	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	198641	122.989	ug/l #	14

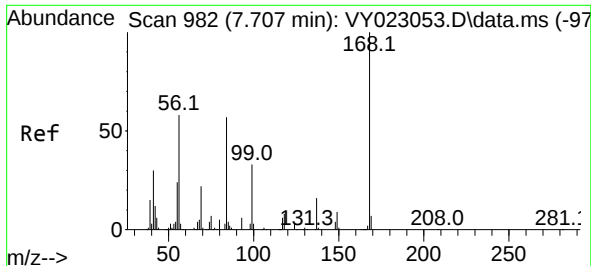
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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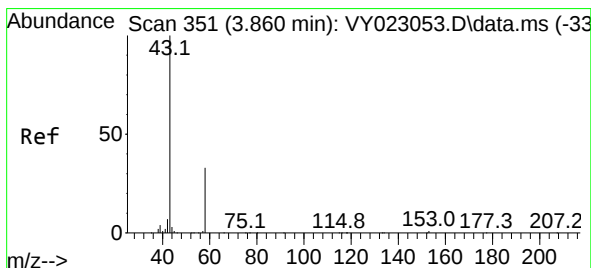
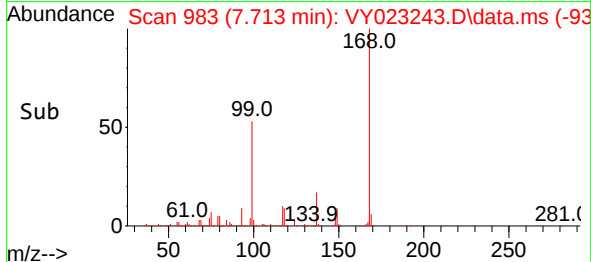
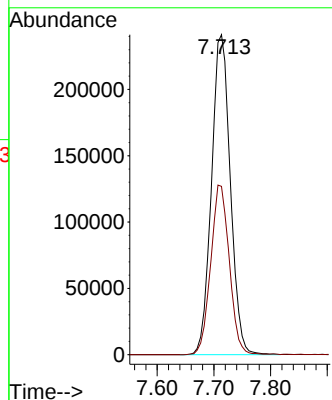
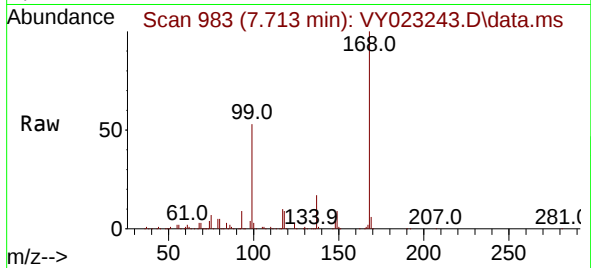




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023243.D
Acq: 29 Aug 2025 13:31

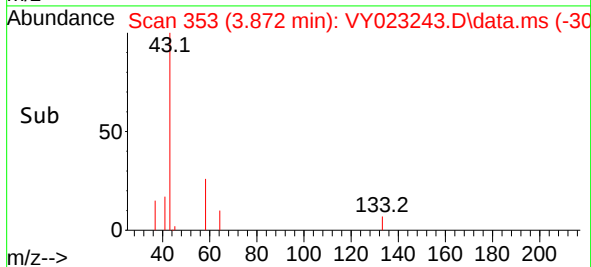
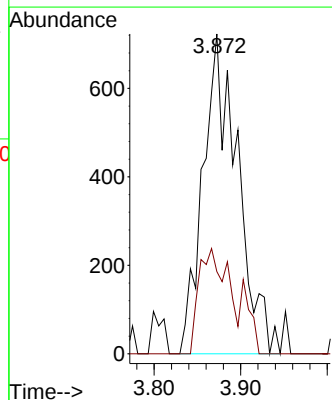
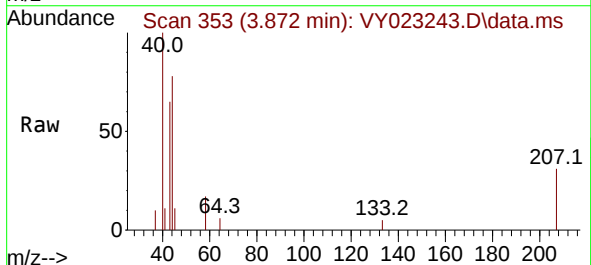
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-TP-1

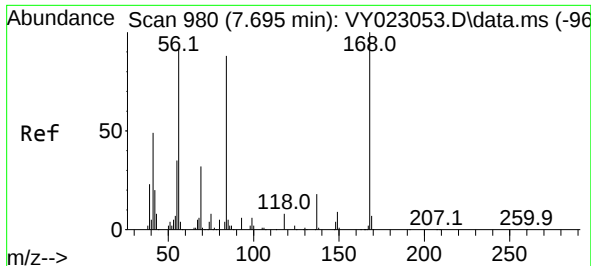
Tgt Ion:168 Resp: 556984
Ion Ratio Lower Upper
168 100
99 52.6 42.8 64.2



#16
Acetone
Concen: 1.750 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023243.D
Acq: 29 Aug 2025 13:31

Tgt Ion: 43 Resp: 2013
Ion Ratio Lower Upper
43 100
58 25.7 27.1 40.7#

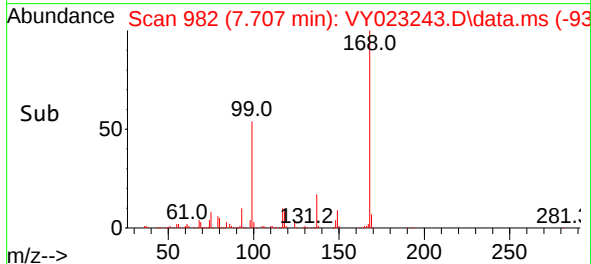
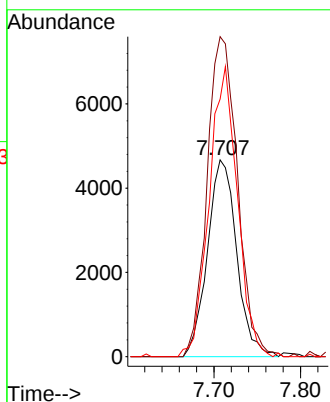
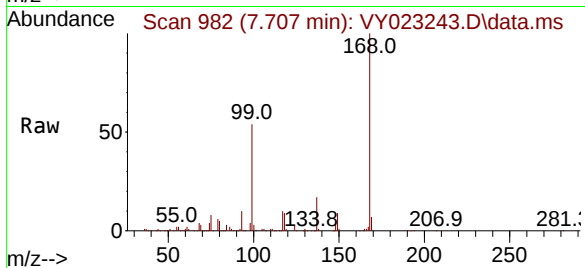




#31
Cyclohexane
Concen: 1.108 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023243.D
Acq: 29 Aug 2025 13:31

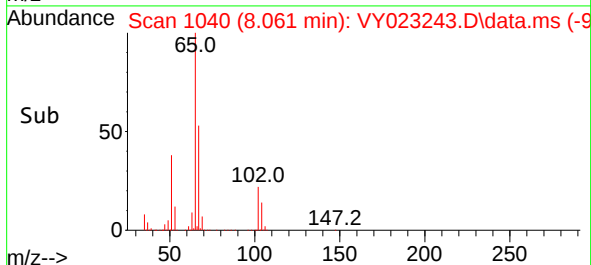
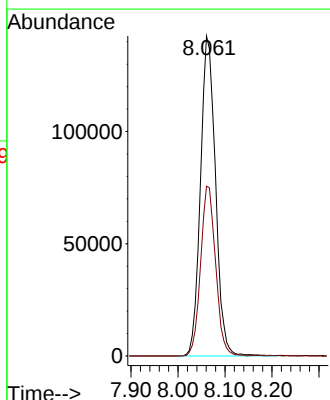
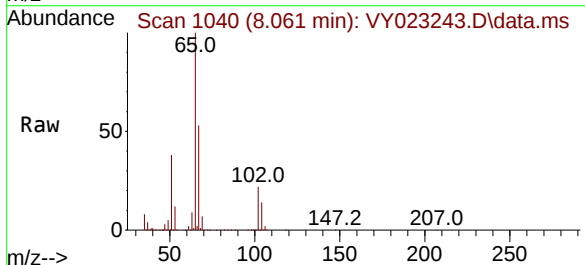
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-TP-1

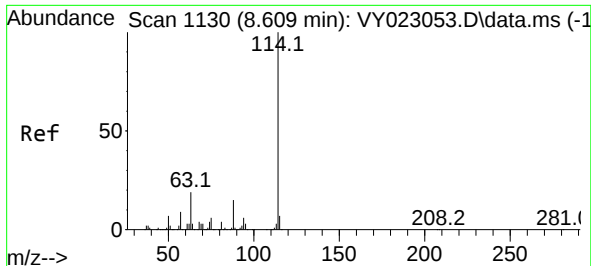
Tgt Ion: 56 Resp: 10957
Ion Ratio Lower Upper
56 100
69 162.5 28.2 42.2#
84 130.9 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 59.651 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023243.D
Acq: 29 Aug 2025 13:31

Tgt Ion: 65 Resp: 316654
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023243.D

Acq: 29 Aug 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

NORTH-TP-1

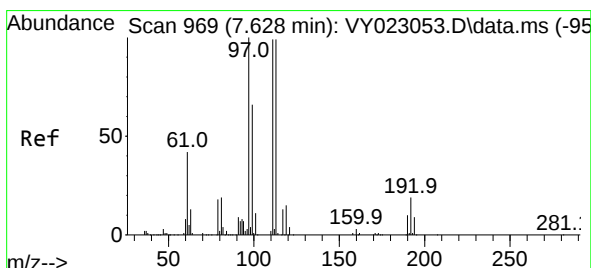
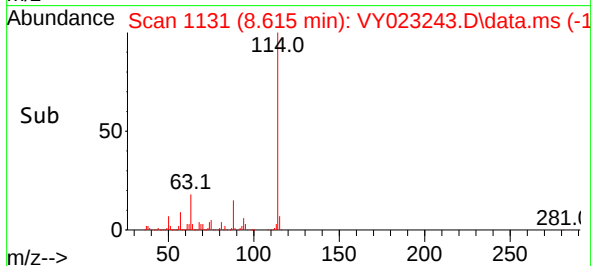
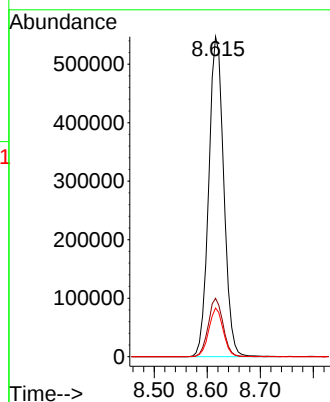
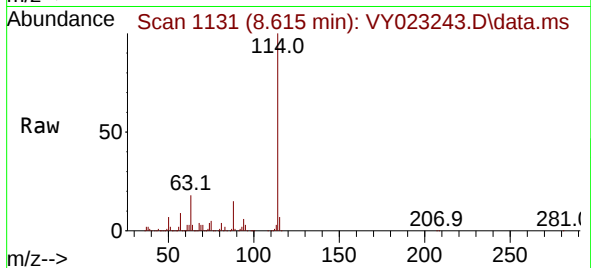
Tgt Ion:114 Resp: 1078071

Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

88 15.2 0.0 30.0



#35

Dibromofluoromethane

Concen: 55.771 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023243.D

Acq: 29 Aug 2025 13:31

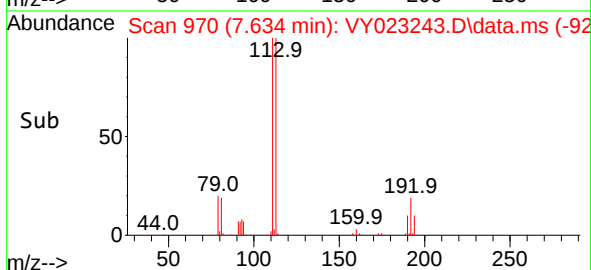
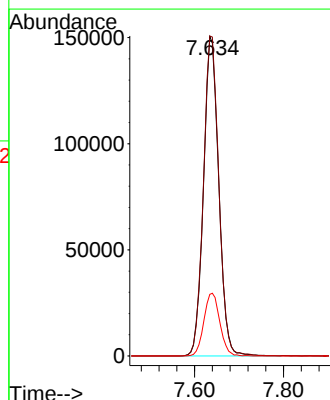
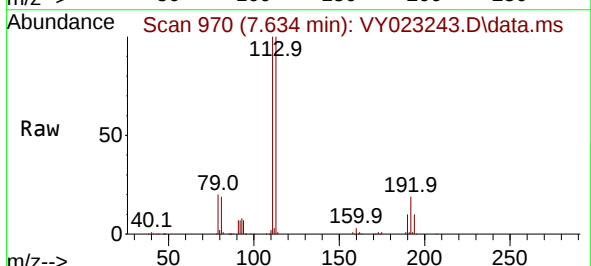
Tgt Ion:113 Resp: 359771

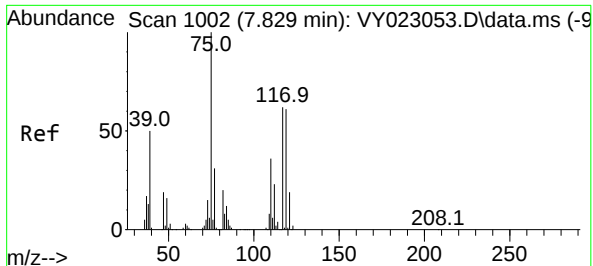
Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

192 20.5 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.330 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023243.D

Acq: 29 Aug 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

NORTH-TP-1

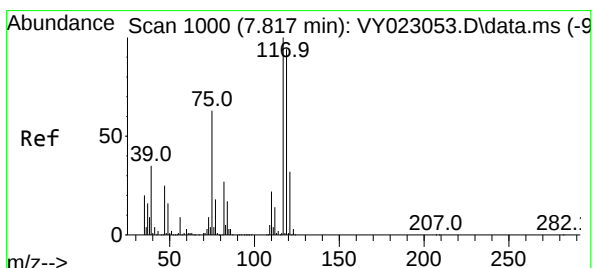
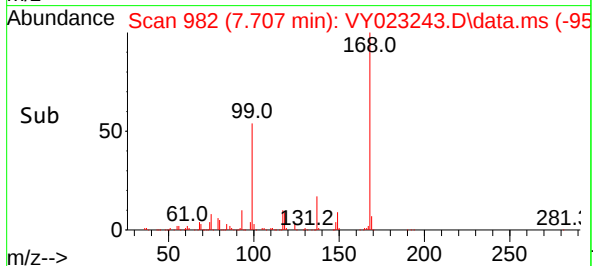
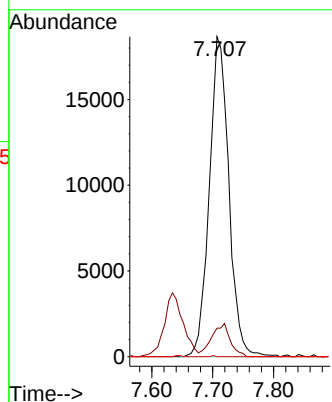
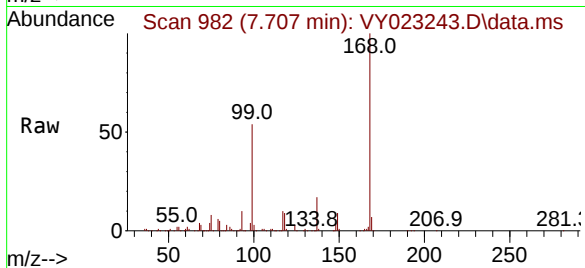
Tgt Ion: 75 Resp: 41511

Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.4#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.166 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023243.D

Acq: 29 Aug 2025 13:31

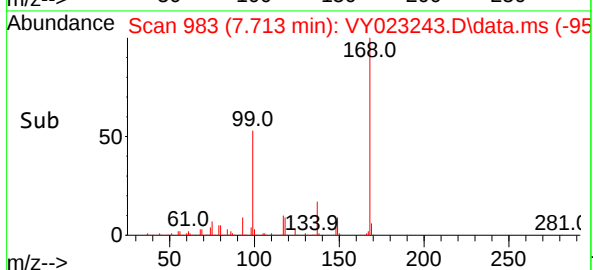
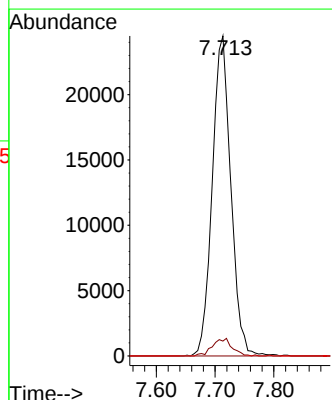
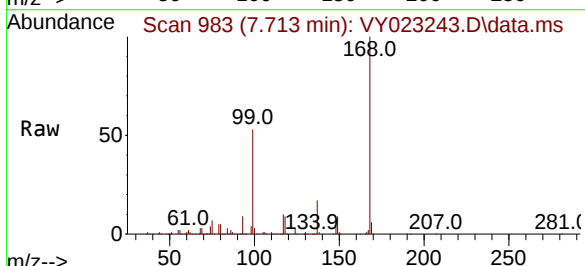
Tgt Ion: 117 Resp: 53788

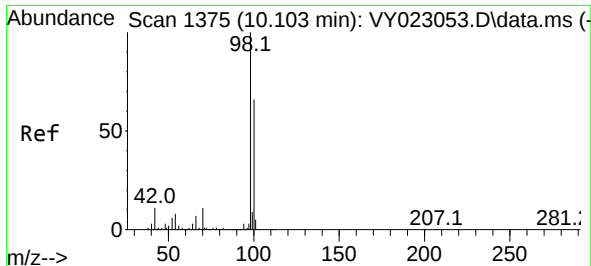
Ion Ratio Lower Upper

117 100

119 4.6 75.6 113.4#

121 0.0 25.8 38.8#

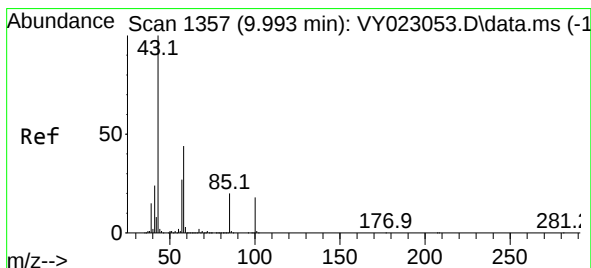
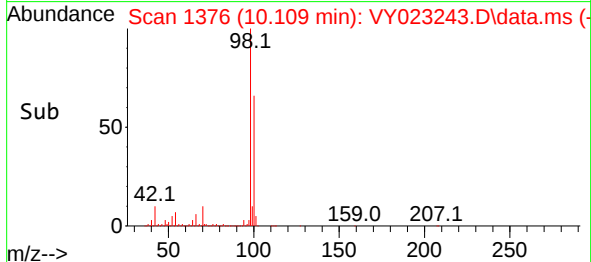
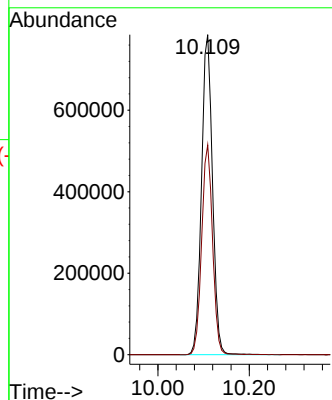
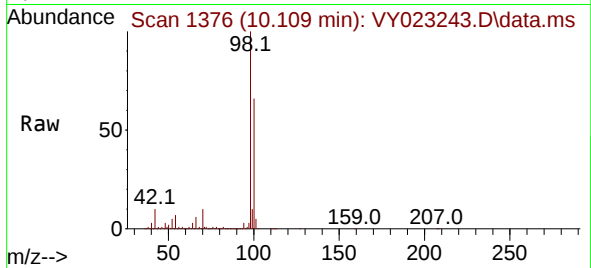




#50
Toluene-d8
Concen: 51.664 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023243.D
Acq: 29 Aug 2025 13:31

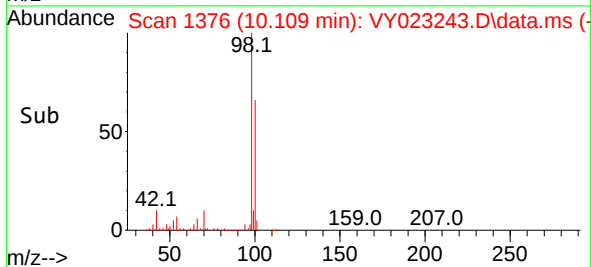
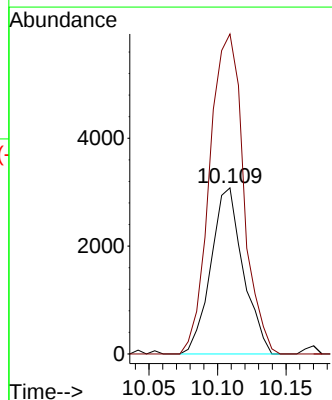
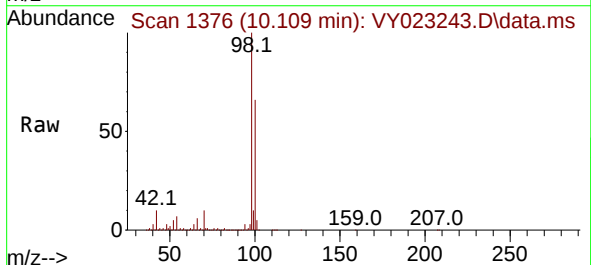
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-TP-1

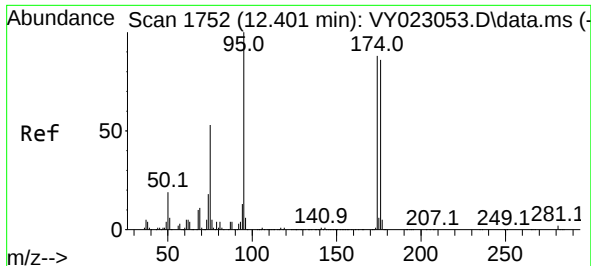
Tgt Ion: 98 Resp: 1301983
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.202 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY023243.D
Acq: 29 Aug 2025 13:31

Tgt Ion: 43 Resp: 5046
Ion Ratio Lower Upper
43 100
58 202.5 33.5 50.3#

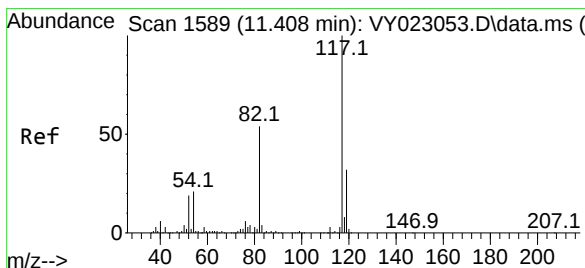
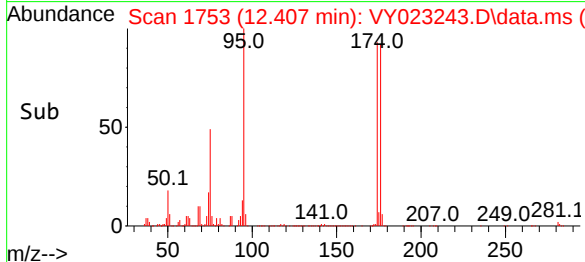
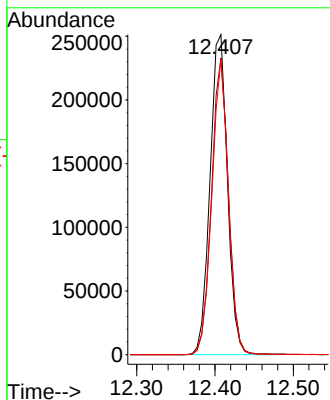
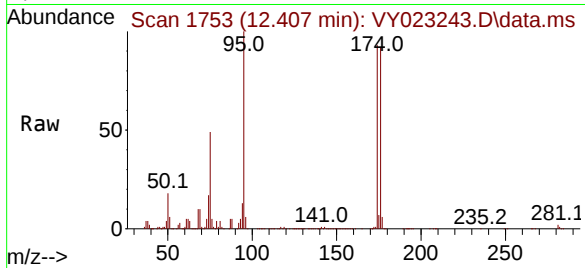




#62
4-Bromofluorobenzene
Concen: 47.987 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023243.D
Acq: 29 Aug 2025 13:31

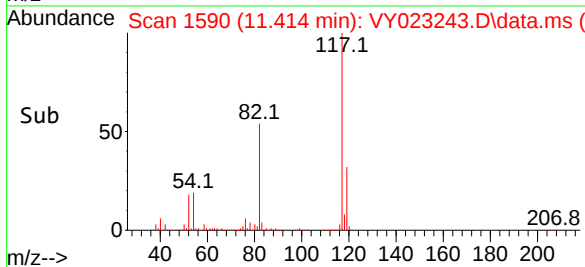
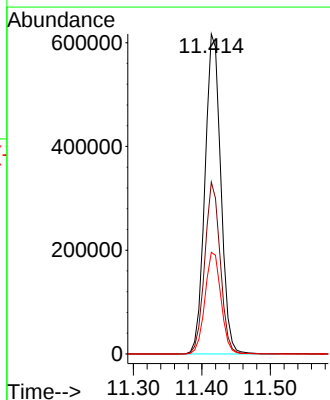
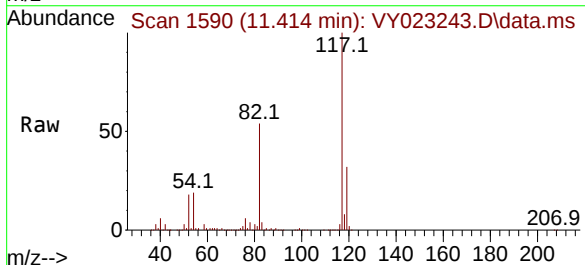
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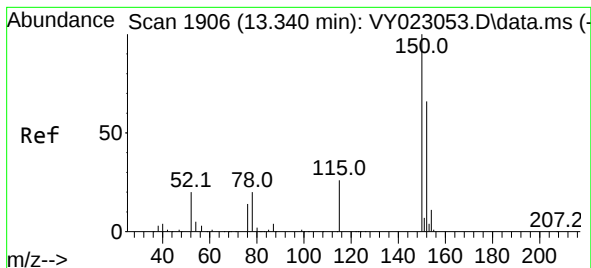
Tgt Ion: 95 Resp: 388913
Ion Ratio Lower Upper
95 100
174 90.2 0.0 171.6
176 87.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023243.D
Acq: 29 Aug 2025 13:31

Tgt Ion: 117 Resp: 994698
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 31.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023243.D

Acq: 29 Aug 2025 13:31

Instrument :

MSVOA_Y

ClientSampleId :

NORTH-TP-1

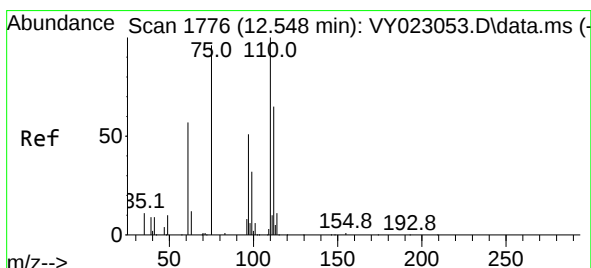
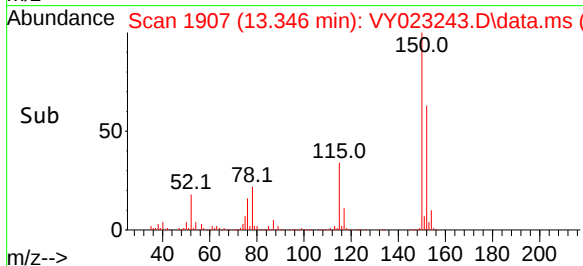
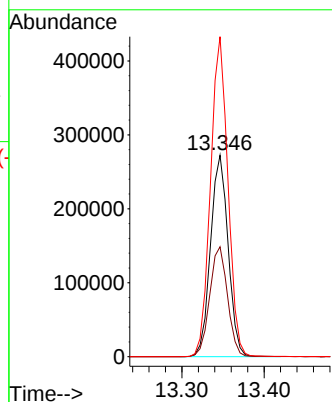
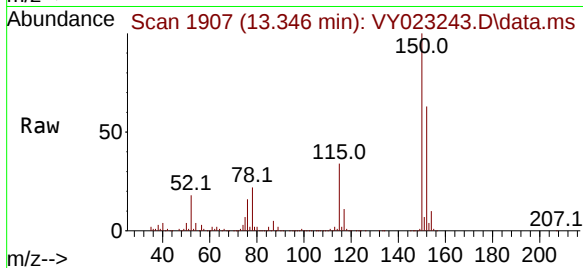
Tgt Ion:152 Resp: 405103

Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.6

150 157.1 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 50.808 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023243.D

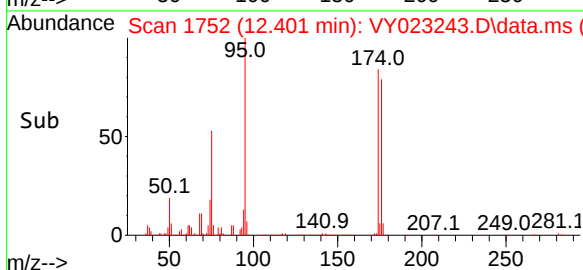
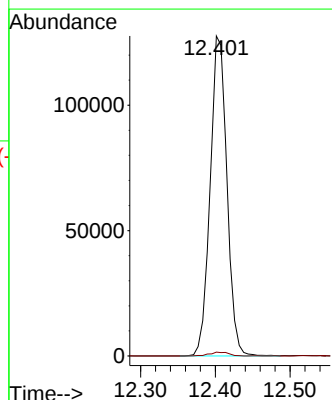
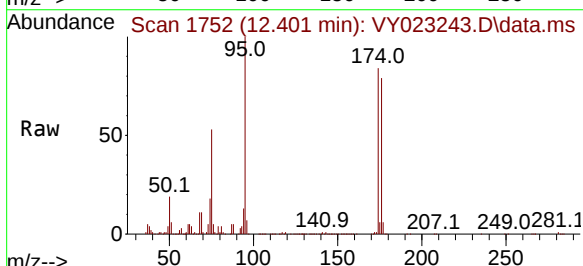
Acq: 29 Aug 2025 13:31

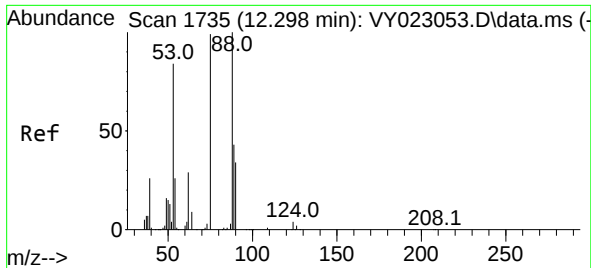
Tgt Ion: 75 Resp: 198641

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.989 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023243.D
 Acq: 29 Aug 2025 13:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 NORTH-TP-1

Tgt Ion: 75 Resp: 198641
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.0 38.1 57.1#

