

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
 Data File : VY021060.D
 Acq On : 04 Feb 2025 15:50
 Operator : SY/MD
 Sample : Q1232-17
 Misc : 13.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 05 00:48:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

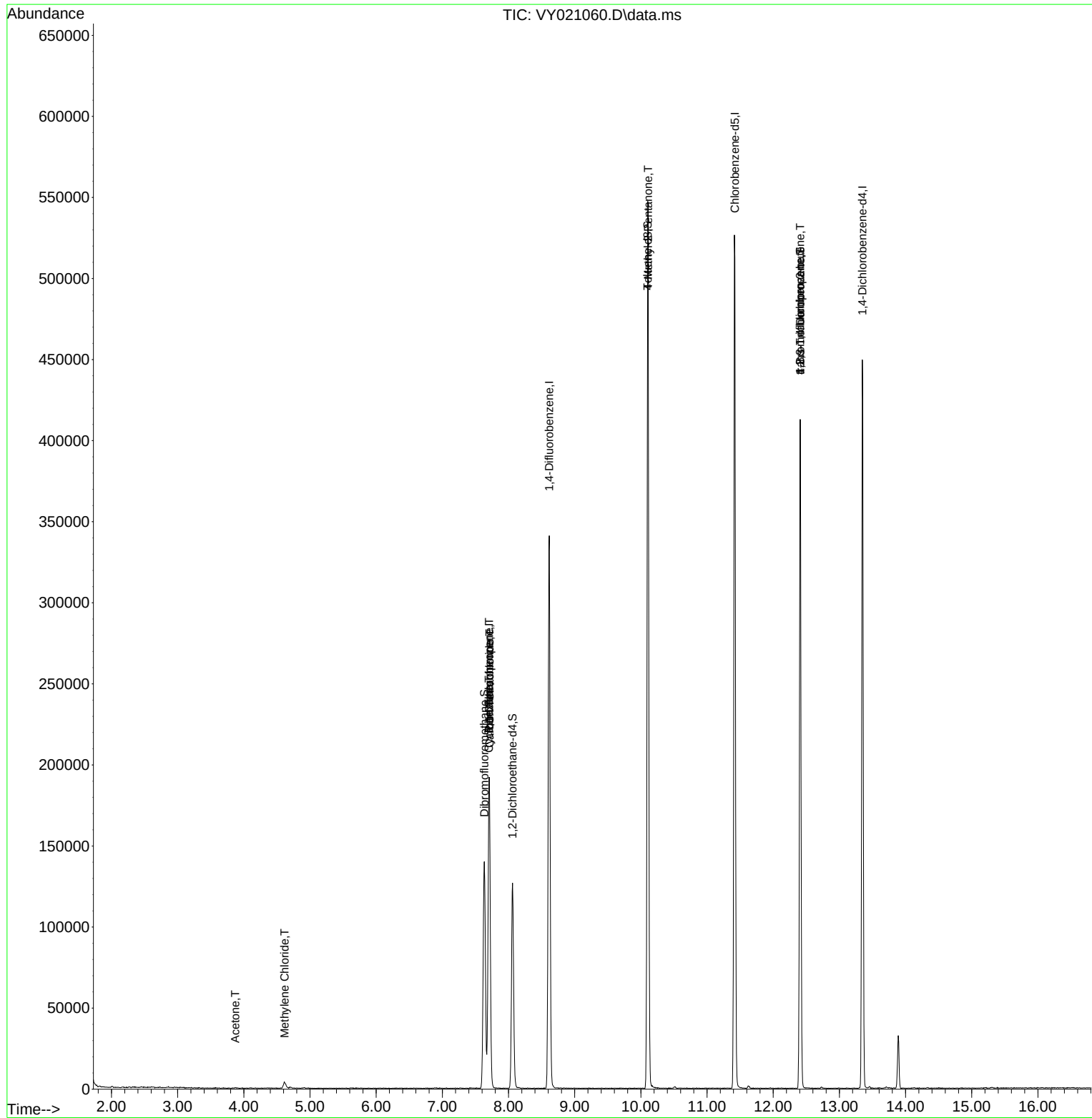
Internal Standards						
1) Pentafluorobenzene	7.707	168	149686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	283416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	268362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	112142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	100353	65.434	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.860%	
35) Dibromofluoromethane	7.634	113	97622	53.747	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.500%	
50) Toluene-d8	10.103	98	353084	51.062	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.120%	
62) 4-Bromofluorobenzene	12.408	95	115176	50.984	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.960%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	419	1.752	ug/l #	73
20) Methylene Chloride	4.616	84	2529	1.701	ug/l #	84
31) Cyclohexane	7.701	56	3186	1.218	ug/l #	29
36) 1,1-Dichloropropene	7.707	75	11821	4.394	ug/l #	51
38) Carbon Tetrachloride	7.713	117	15039	4.784	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	1698	1.440	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	63739	62.657	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	63739	127.851	ug/l #	12

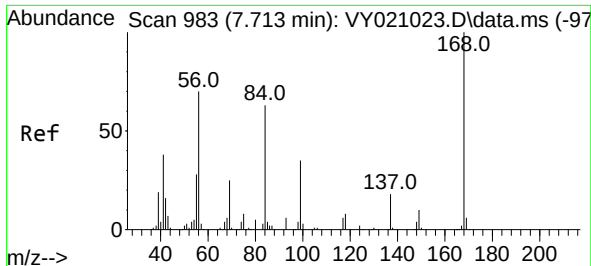
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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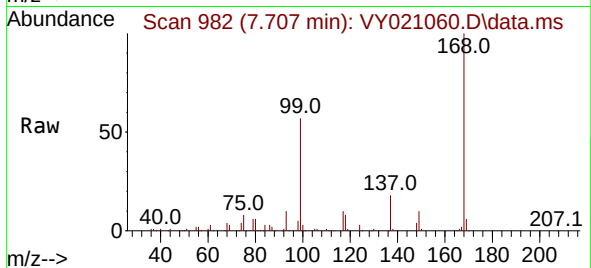
Quant Time: Feb 05 00:48:01 2025
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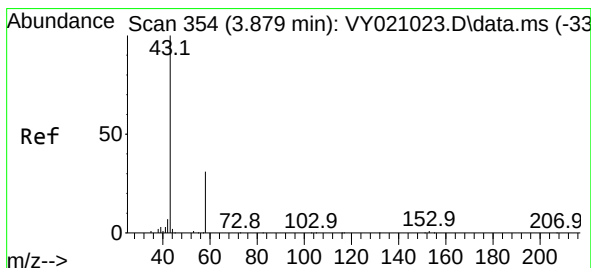
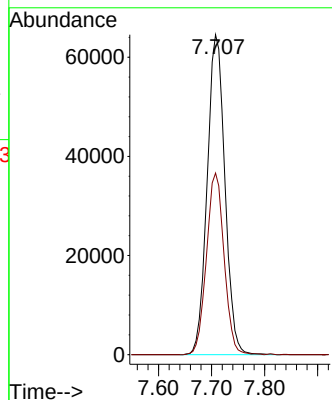
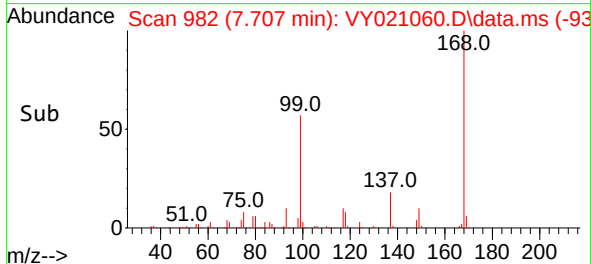


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021060.D
Acq: 04 Feb 2025 15:50

Instrument :
MSVOA_Y
ClientSampleId :

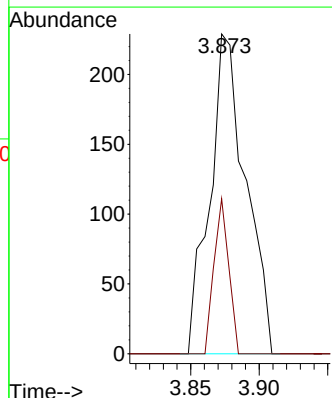
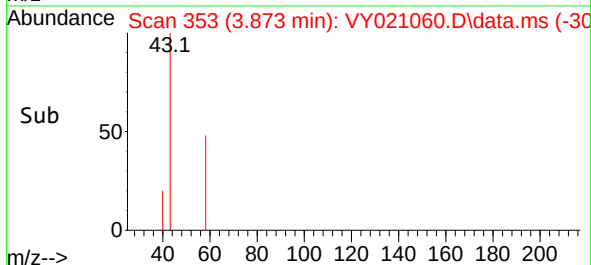
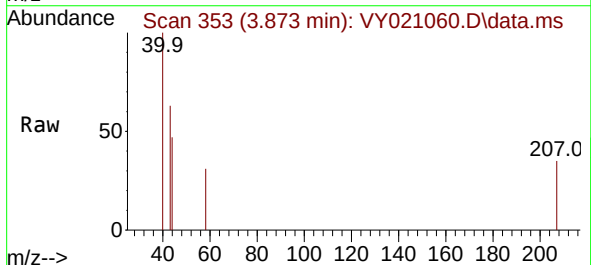


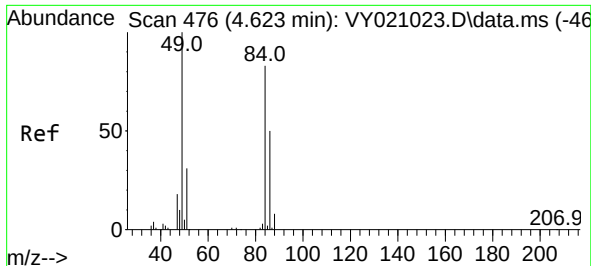
Tgt Ion:168 Resp: 149686
Ion Ratio Lower Upper
168 100
99 56.7 44.2 66.4



#16
Acetone
Concen: 1.752 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021060.D
Acq: 04 Feb 2025 15:50

Tgt Ion: 43 Resp: 419
Ion Ratio Lower Upper
43 100
58 48.5 26.6 39.8#





#20

Methylene Chloride

Concen: 1.701 ug/l

RT: 4.616 min Scan# 41

Delta R.T. -0.006 min

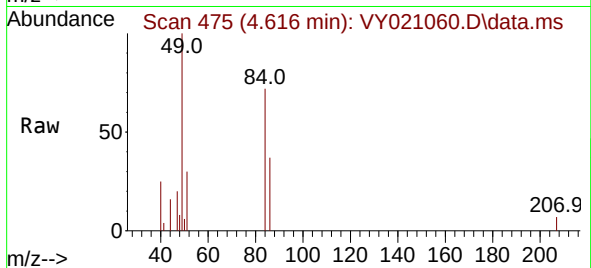
Lab File: VY021060.D

Acq: 04 Feb 2025 15:50

Instrument :

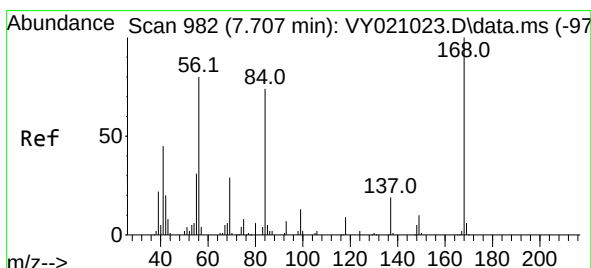
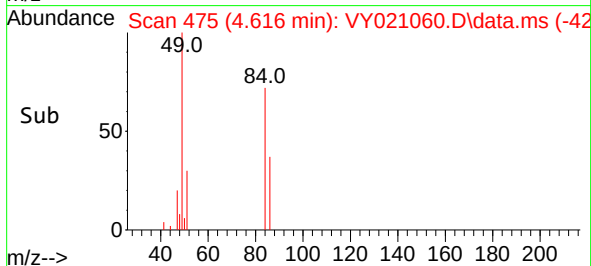
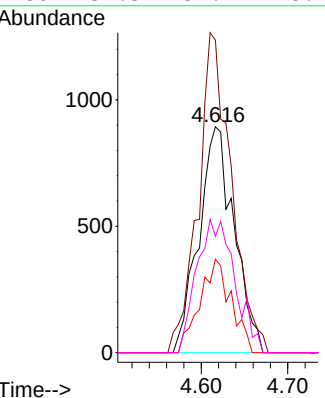
MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 2529

Ion	Ratio	Lower	Upper
84	100		
49	138.3	95.2	142.8
51	41.4	29.9	44.9
86	51.5	52.2	78.4



#31

Cyclohexane

Concen: 1.218 ug/l

RT: 7.701 min Scan# 981

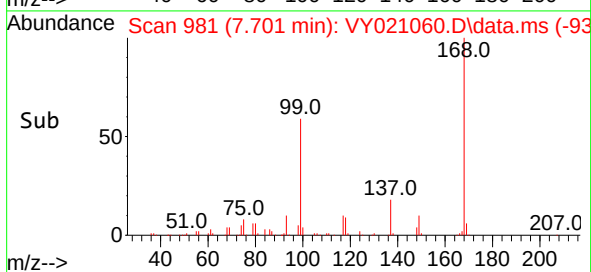
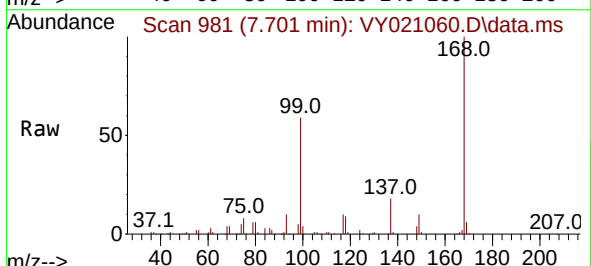
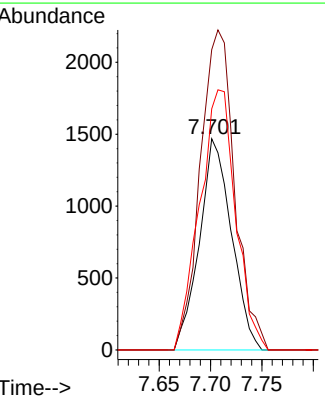
Delta R.T. -0.006 min

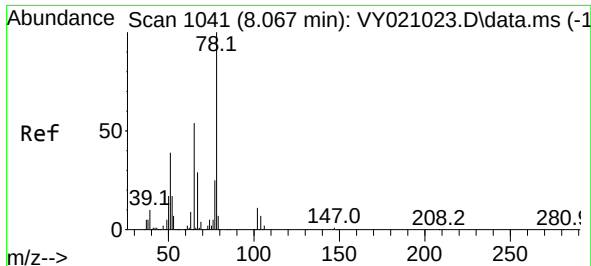
Lab File: VY021060.D

Acq: 04 Feb 2025 15:50

Tgt Ion: 56 Resp: 3186

Ion	Ratio	Lower	Upper
56	100		
69	142.1	27.0	40.6
84	114.1	71.8	107.6





#33

1,2-Dichloroethane-d4

Concen: 65.434 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021060.D

Acq: 04 Feb 2025 15:50

Instrument :

MSVOA_Y

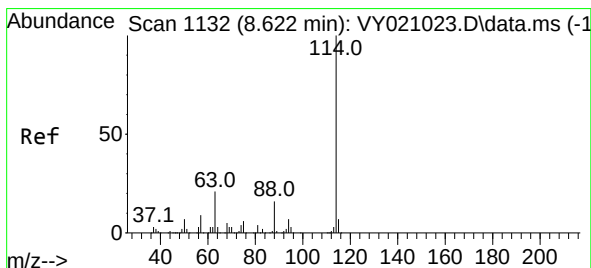
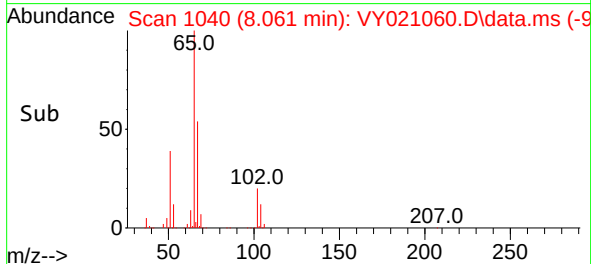
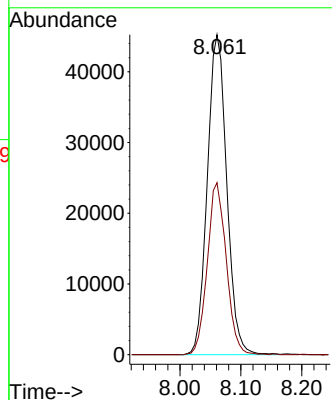
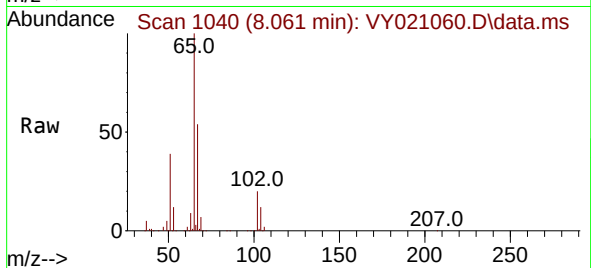
ClientSampleId :

Tgt Ion: 65 Resp: 100353

Ion Ratio Lower Upper

65 100

67 52.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021060.D

Acq: 04 Feb 2025 15:50

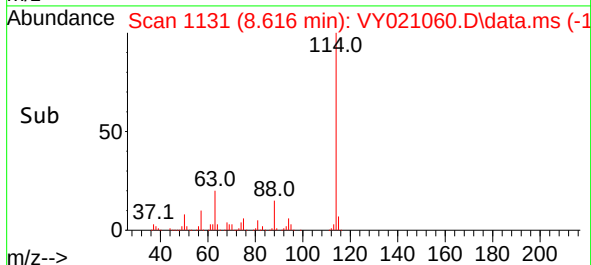
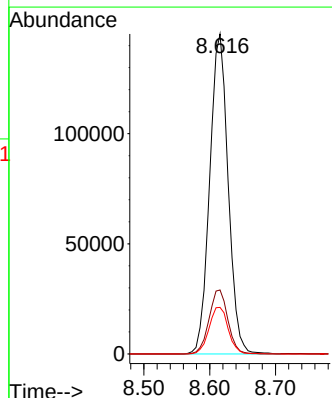
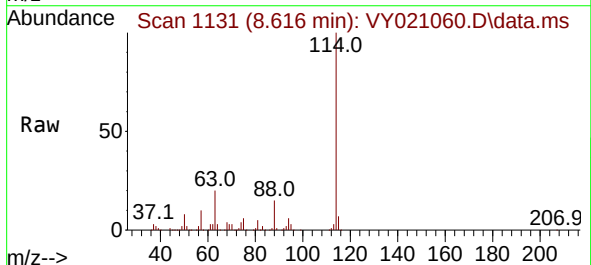
Tgt Ion: 114 Resp: 283416

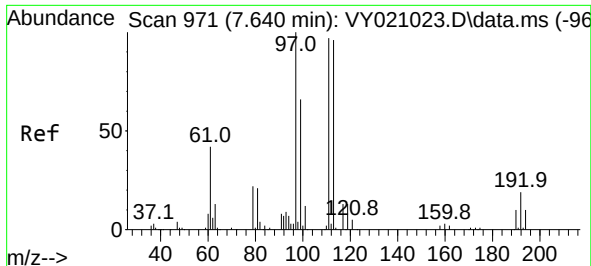
Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.4

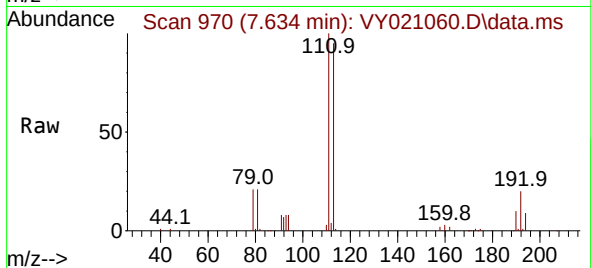
88 14.6 0.0 29.0



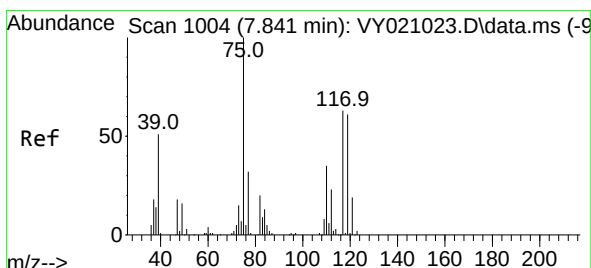
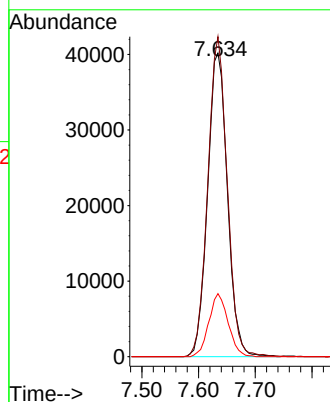
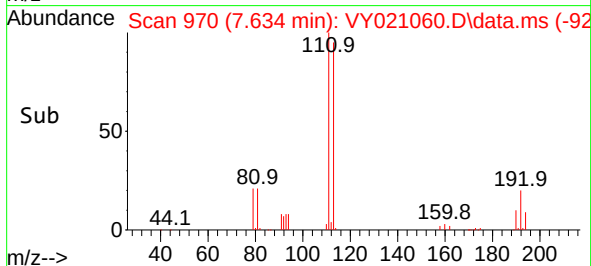


#35
Dibromofluoromethane
Concen: 53.747 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021060.D
Acq: 04 Feb 2025 15:50

Instrument :
MSVOA_Y
ClientSampleId :

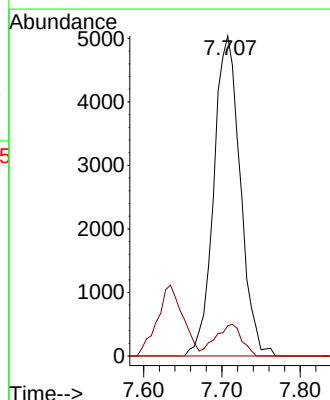
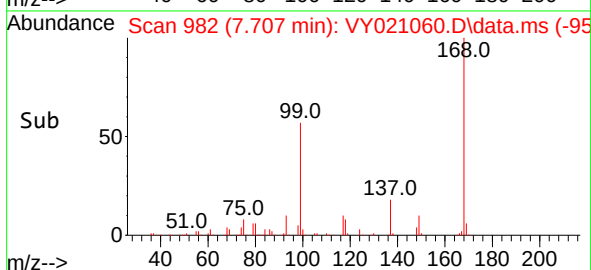
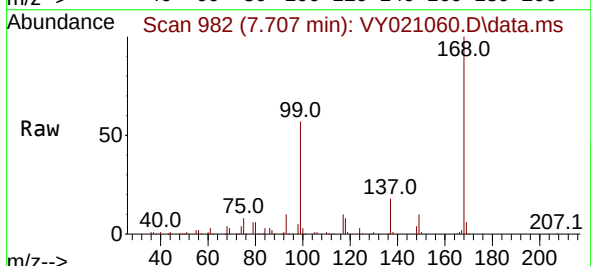


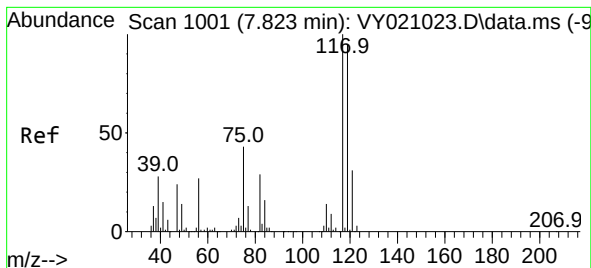
Tgt Ion:113 Resp: 97622
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.6
192 20.2 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.394 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021060.D
Acq: 04 Feb 2025 15:50

Tgt Ion: 75 Resp: 11821
Ion Ratio Lower Upper
75 100
110 9.8 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.784 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

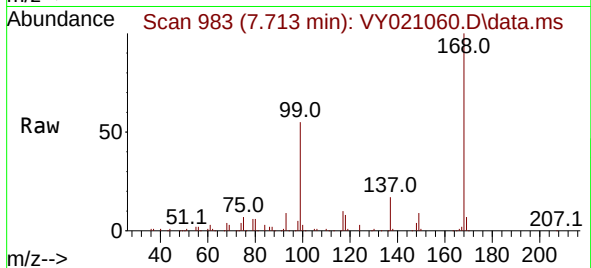
Lab File: VY021060.D

Acq: 04 Feb 2025 15:50

Instrument :

MSVOA_Y

ClientSampleId :



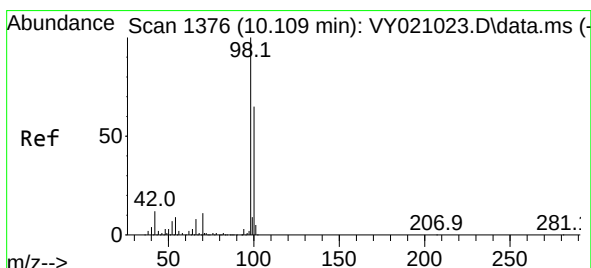
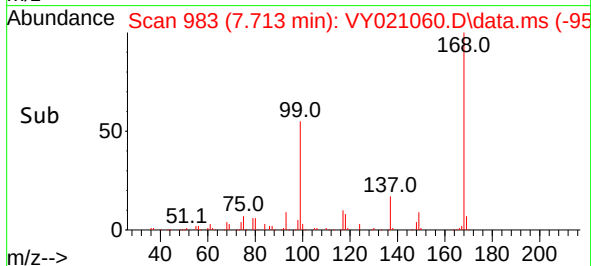
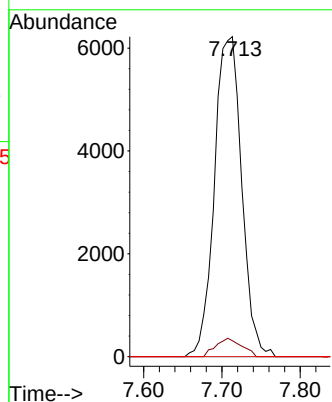
Tgt Ion:117 Resp: 15039

Ion Ratio Lower Upper

117 100

119 5.0 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 51.062 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021060.D

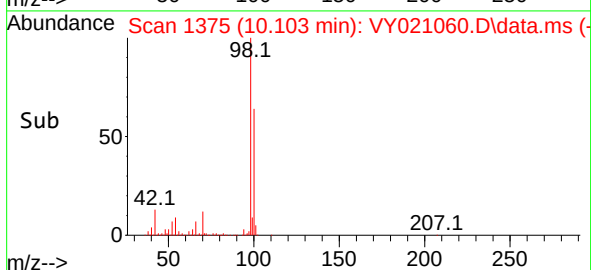
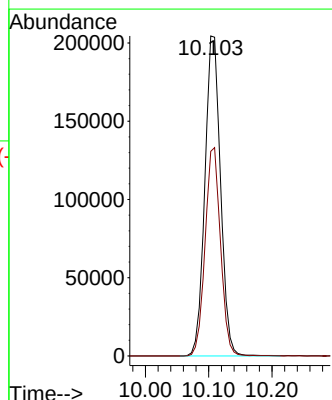
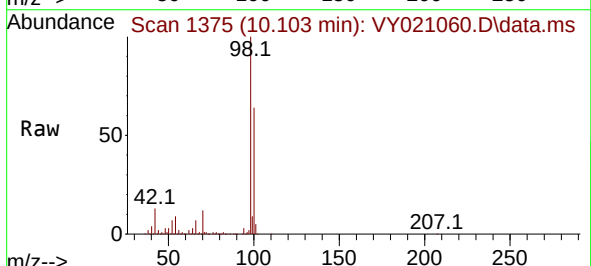
Acq: 04 Feb 2025 15:50

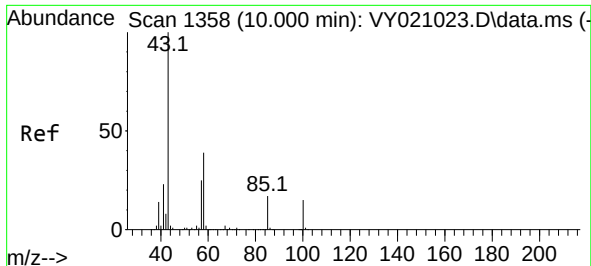
Tgt Ion: 98 Resp: 353084

Ion Ratio Lower Upper

98 100

100 64.0 52.3 78.5

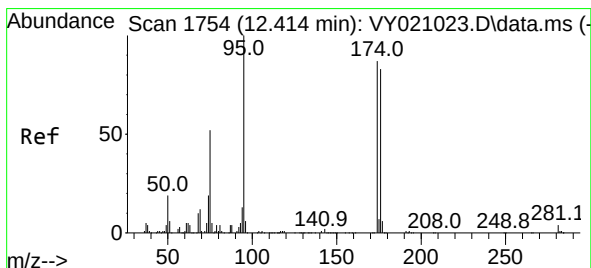
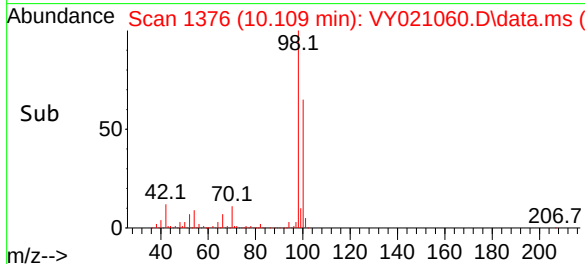
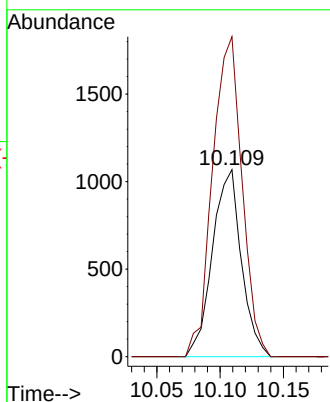
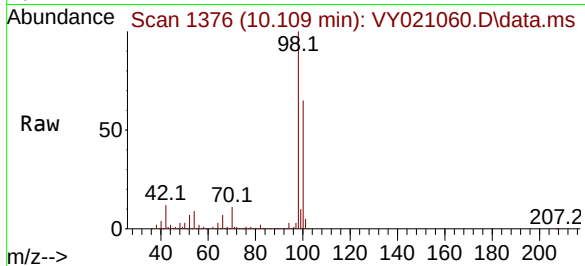




#51
4-Methyl-2-Pentanone
Concen: 1.440 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY021060.D
Acq: 04 Feb 2025 15:50

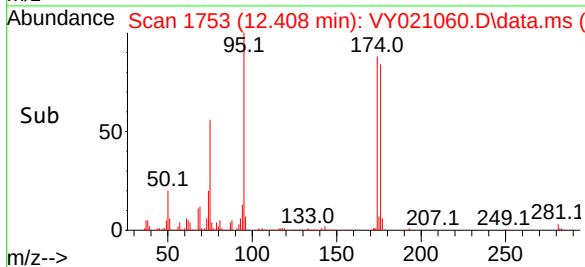
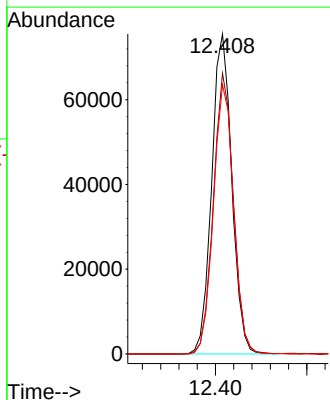
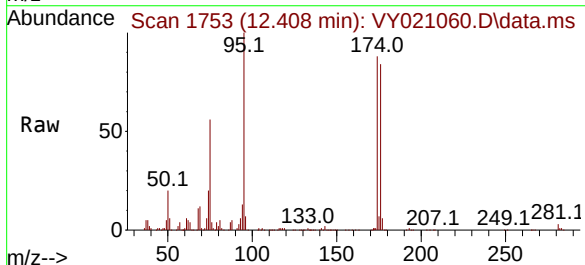
Instrument :
MSVOA_Y
ClientSampleId :

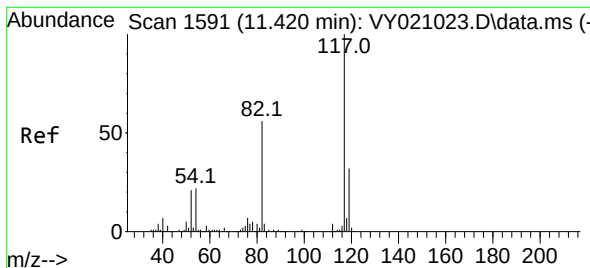
Tgt Ion: 43 Resp: 1698
Ion Ratio Lower Upper
43 100
58 174.3 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 50.984 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021060.D
Acq: 04 Feb 2025 15:50

Tgt Ion: 95 Resp: 115176
Ion Ratio Lower Upper
95 100
174 87.5 0.0 160.0
176 84.8 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021060.D

Acq: 04 Feb 2025 15:50

Instrument :

MSVOA_Y

ClientSampleId :

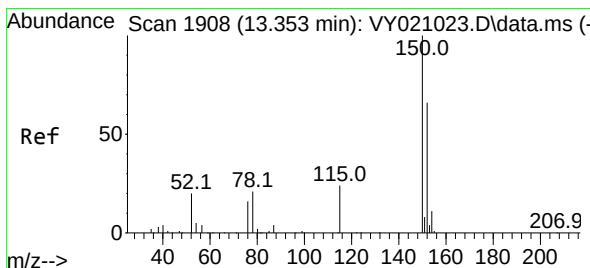
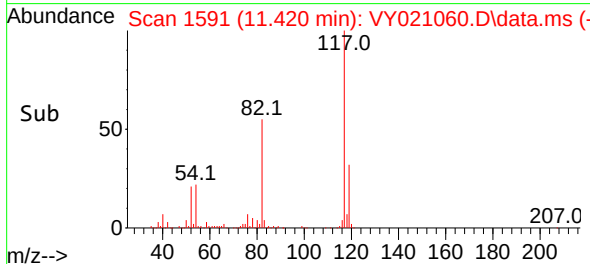
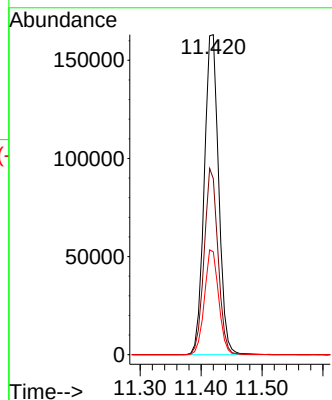
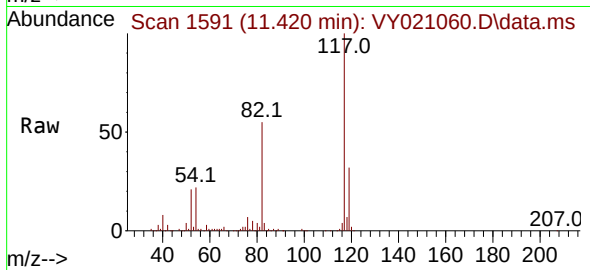
Tgt Ion:117 Resp: 268362

Ion Ratio Lower Upper

117 100

82 55.0 43.8 65.8

119 32.2 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021060.D

Acq: 04 Feb 2025 15:50

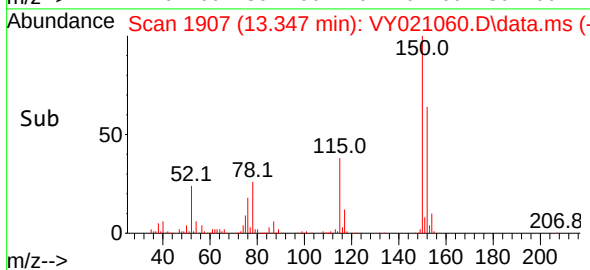
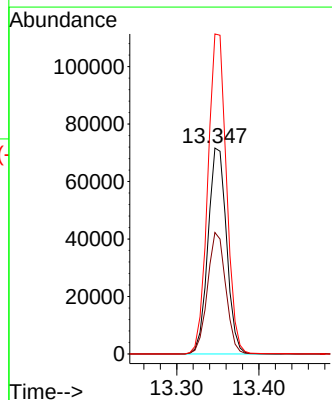
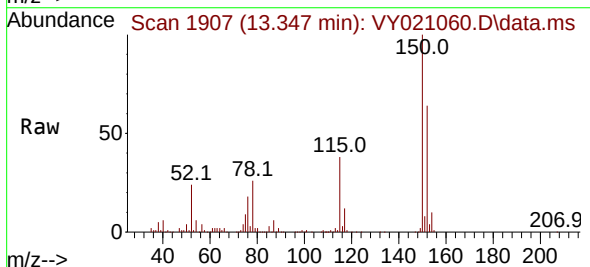
Tgt Ion:152 Resp: 112142

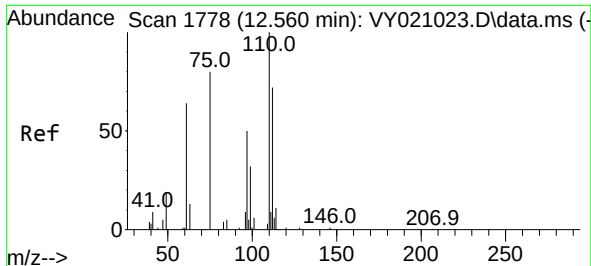
Ion Ratio Lower Upper

152 100

115 58.3 30.0 90.0

150 156.2 0.0 344.6

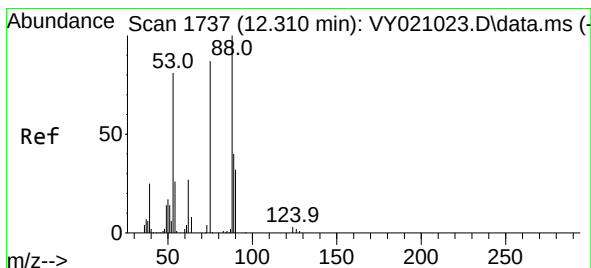
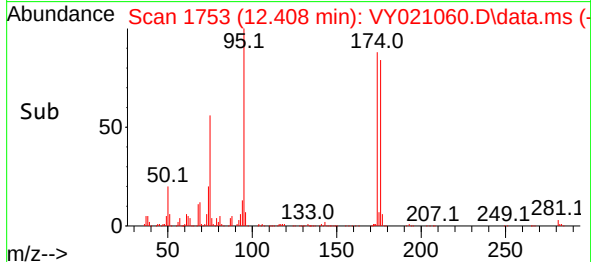
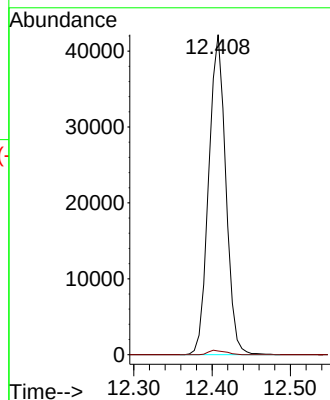
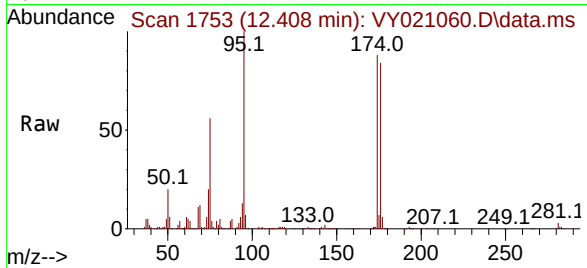




#76
1,2,3-Trichloropropane
Concen: 62.657 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021060.D
Acq: 04 Feb 2025 15:50

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 63739
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.851 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY021060.D
Acq: 04 Feb 2025 15:50

Tgt Ion: 75 Resp: 63739
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

