

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
 Data File : VY021550.D
 Acq On : 17 Mar 2025 15:08
 Operator : SY/MD
 Sample : Q1585-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 18 01:27:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

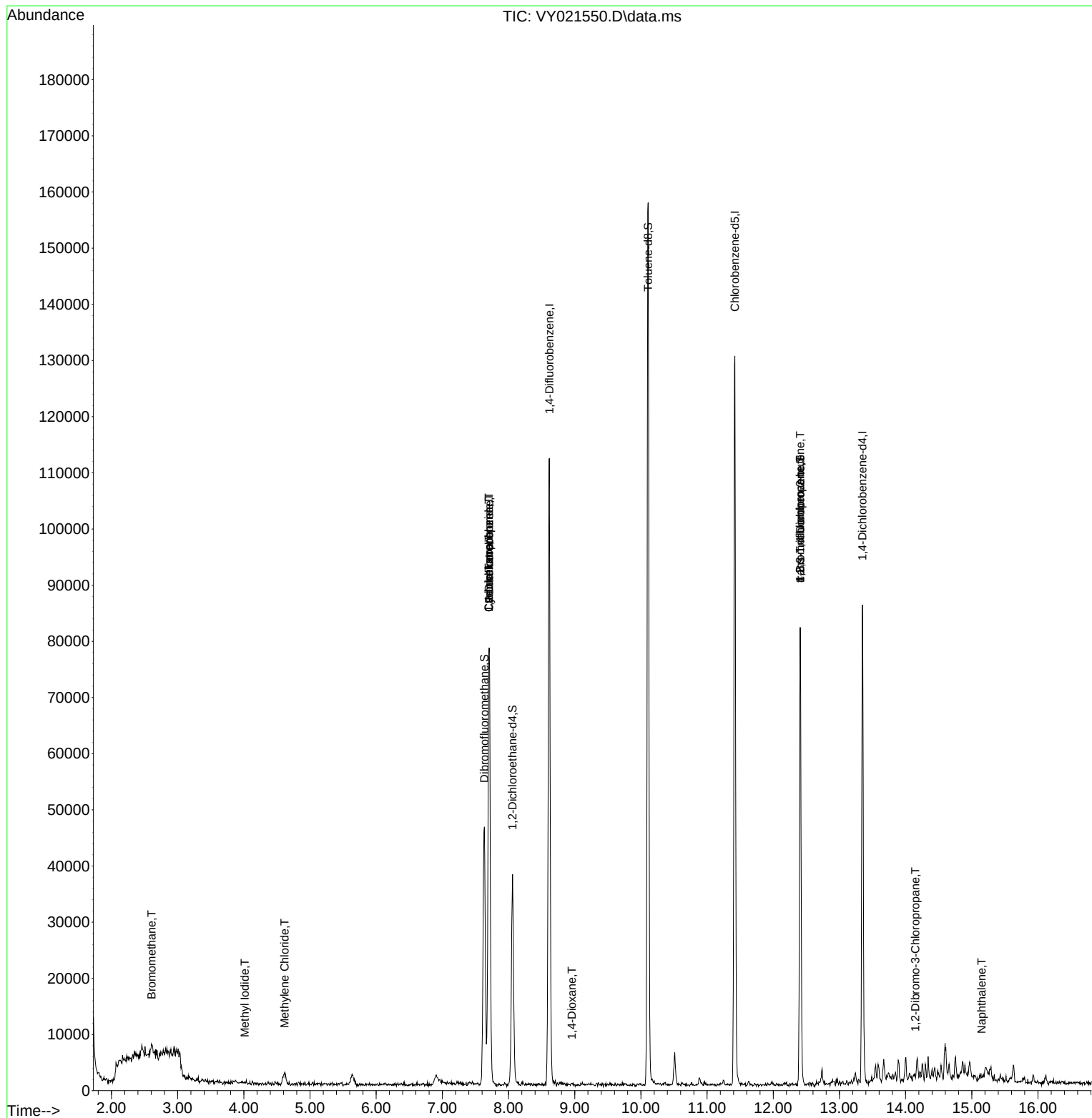
Internal Standards						
1) Pentafluorobenzene	7.707	168	58836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	90594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	69453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	21253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	28949	46.552	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.100%
35) Dibromofluoromethane	7.634	113	32226	54.117	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.240%
50) Toluene-d8	10.109	98	104322	46.269	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.540%
62) 4-Bromofluorobenzene	12.408	95	23736	30.948	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	61.900%
Target Compounds						
					Qvalue	
5) Bromomethane	2.604	94	762	1.267	ug/l #	74
10) Methyl Iodide	4.013	142	687	1.020	ug/l #	74
11) Tert butyl alcohol	4.860	59	123	Below Cal	#	72
20) Methylene Chloride	4.616	84	1371	1.926	ug/l #	85
31) Cyclohexane	7.701	56	1544	1.326	ug/l #	32
36) 1,1-Dichloropropene	7.701	75	5128	5.501	ug/l #	50
38) Carbon Tetrachloride	7.701	117	6437	6.005	ug/l #	16
49) 1,4-Dioxane	8.957	88	23	6.444	ug/l #	22
76) 1,2,3-Trichloropropane	12.408	75	12585	58.764	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	12585	133.588	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.145	75	46	1.039	ug/l #	1
95) Naphthalene	15.151	128	365	2.082	ug/l #	74

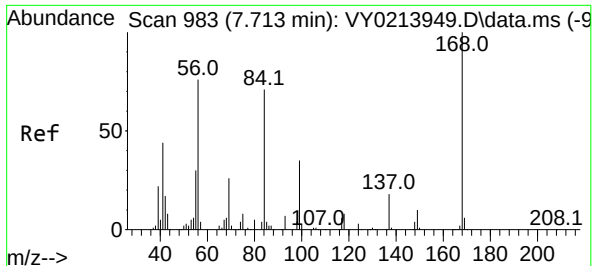
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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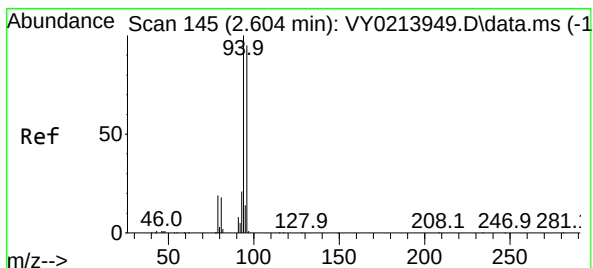
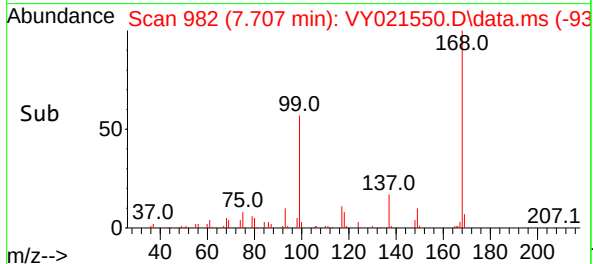
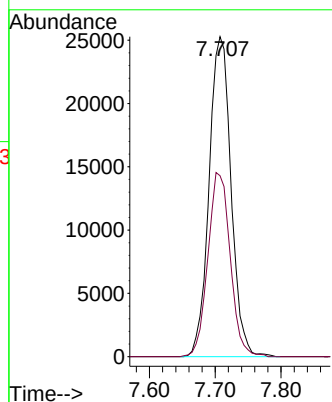
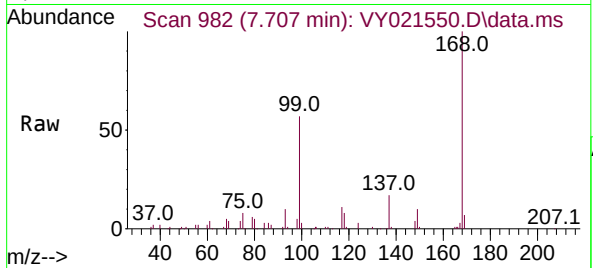




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021550.D
Acq: 17 Mar 2025 15:08

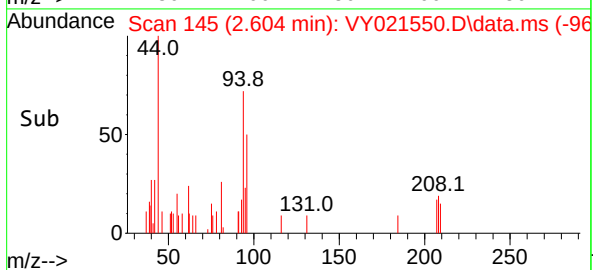
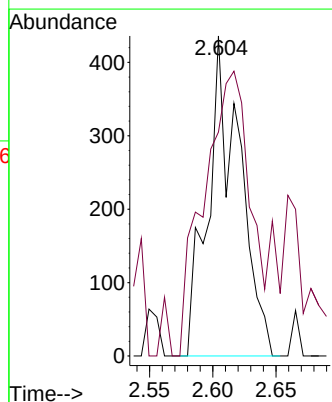
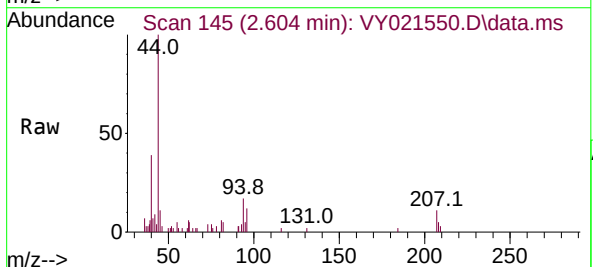
Instrument :
MSVOA_Y
ClientSampleId :

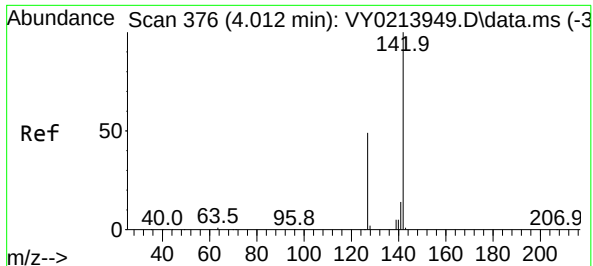
Tgt Ion:168 Resp: 58836
Ion Ratio Lower Upper
168 100
99 56.6 46.0 69.0



#5
Bromomethane
Concen: 1.267 ug/l
RT: 2.604 min Scan# 145
Delta R.T. 0.000 min
Lab File: VY021550.D
Acq: 17 Mar 2025 15:08

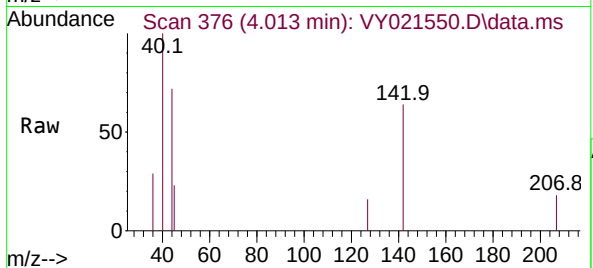
Tgt Ion: 94 Resp: 762
Ion Ratio Lower Upper
94 100
96 70.0 76.3 114.5#



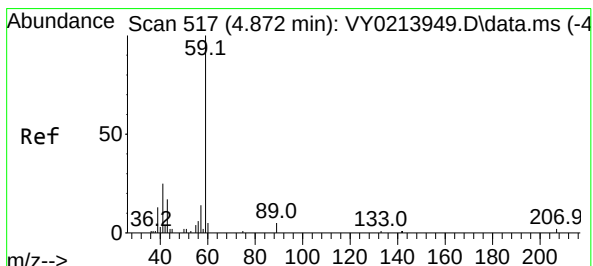
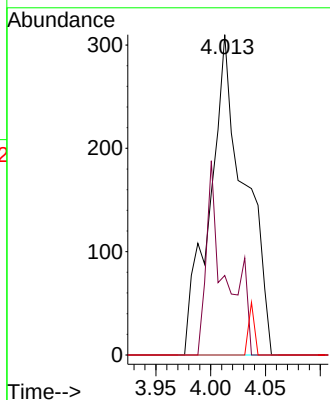
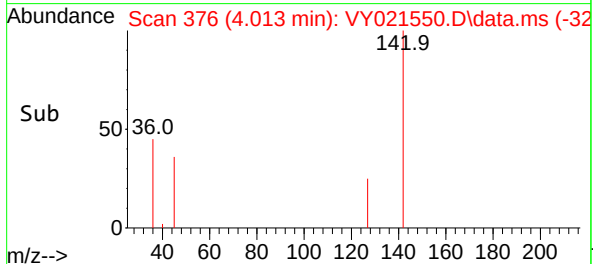


#10
Methyl Iodide
Concen: 1.020 ug/l
RT: 4.013 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY021550.D
Acq: 17 Mar 2025 15:08

Instrument :
MSVOA_Y
ClientSampleId :

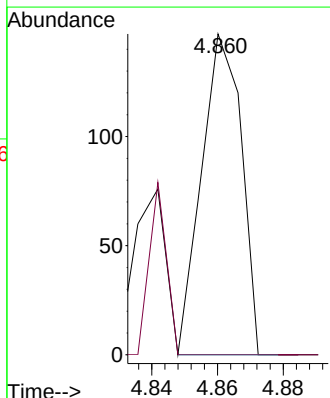
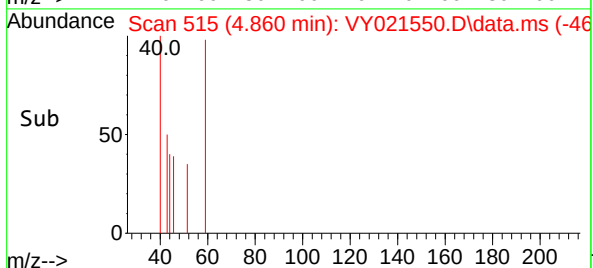
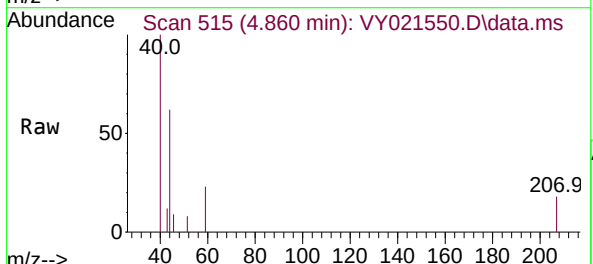


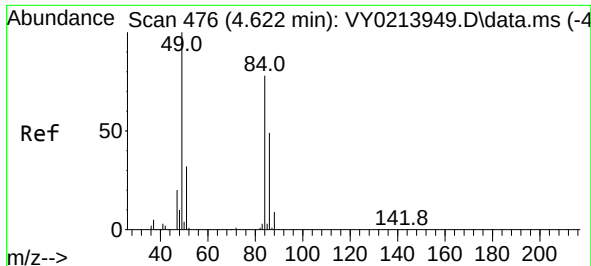
Tgt Ion:142 Resp: 687
Ion Ratio Lower Upper
142 100
127 32.8 39.1 58.7#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.860 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY021550.D
Acq: 17 Mar 2025 15:08

Tgt Ion: 59 Resp: 123
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#20

Methylene Chloride

Concen: 1.926 ug/l

RT: 4.616 min Scan# 41

Delta R.T. -0.006 min

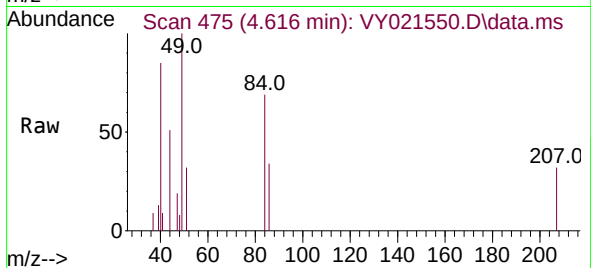
Lab File: VY021550.D

Acq: 17 Mar 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 1371

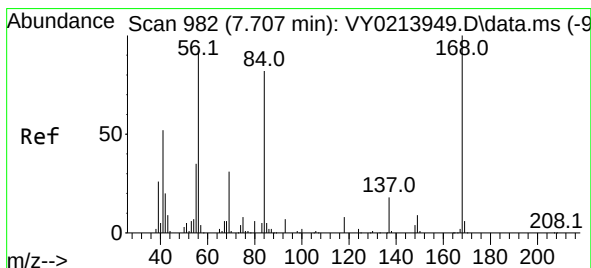
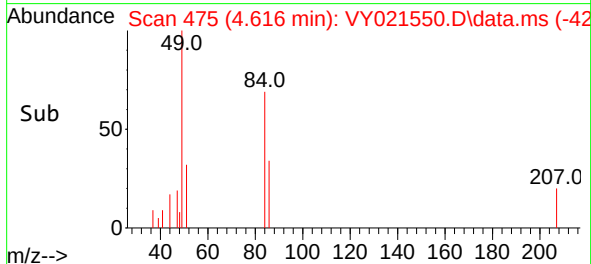
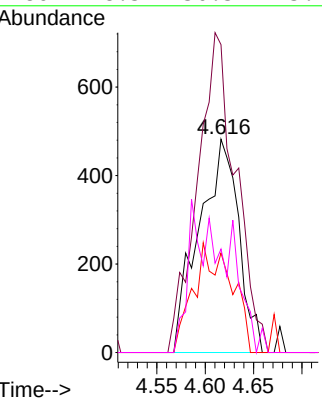
Ion Ratio Lower Upper

84 100

49 144.4 102.0 153.0

51 46.7 33.0 49.6

86 48.5 50.5 75.7#



#31

Cyclohexane

Concen: 1.326 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY021550.D

Acq: 17 Mar 2025 15:08

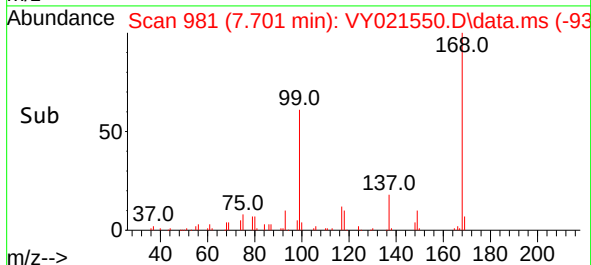
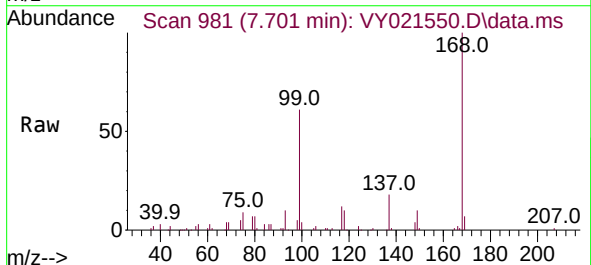
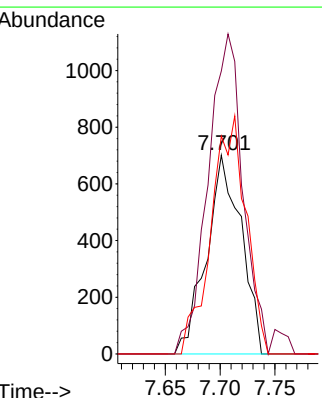
Tgt Ion: 56 Resp: 1544

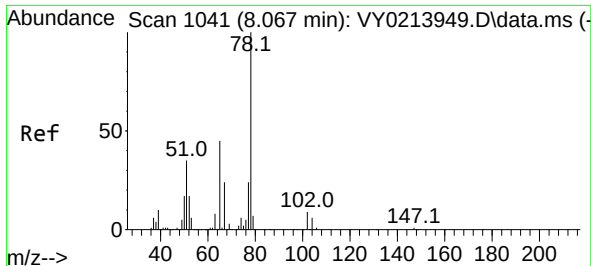
Ion Ratio Lower Upper

56 100

69 142.4 27.0 40.4#

84 109.7 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 46.552 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021550.D

Acq: 17 Mar 2025 15:08

Instrument :

MSVOA_Y

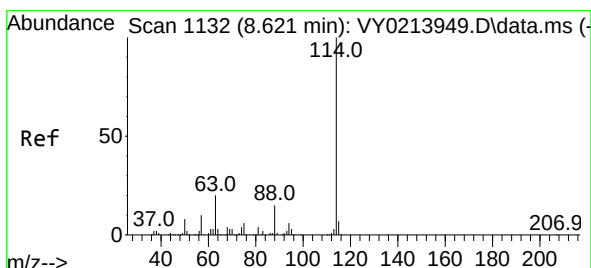
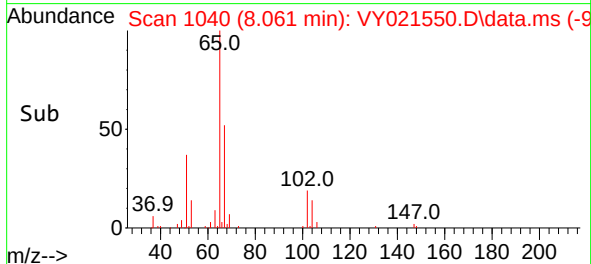
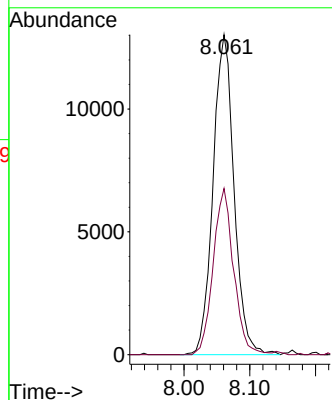
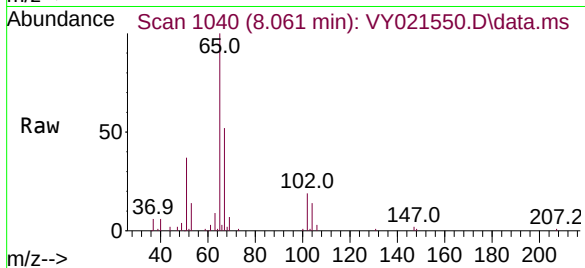
ClientSampleId :

Tgt Ion: 65 Resp: 28949

Ion Ratio Lower Upper

65 100

67 50.7 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021550.D

Acq: 17 Mar 2025 15:08

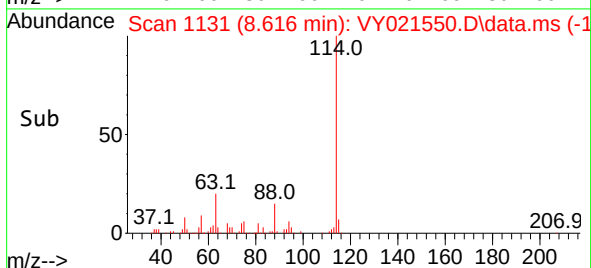
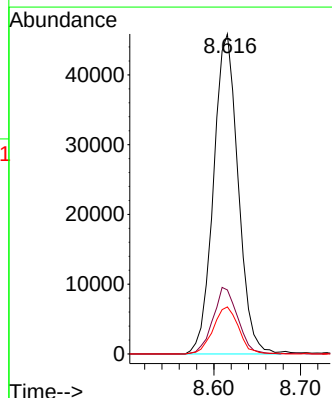
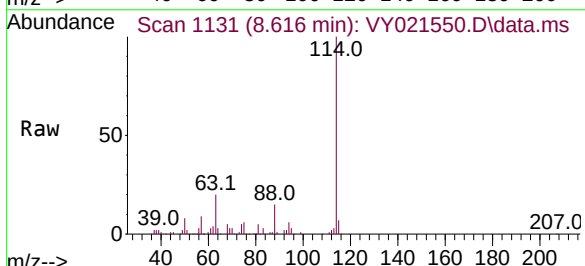
Tgt Ion: 114 Resp: 90594

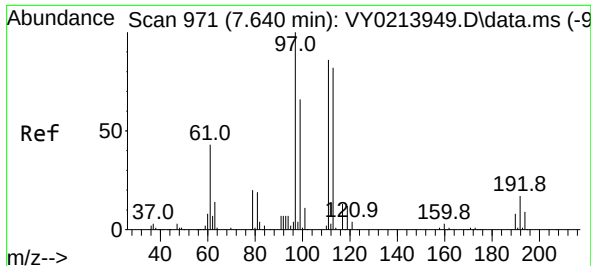
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 14.7 0.0 30.8





#35

Dibromofluoromethane

Concen: 54.117 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021550.D

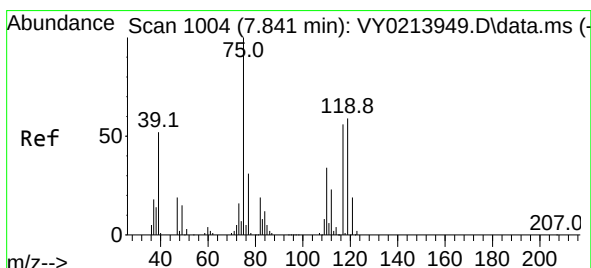
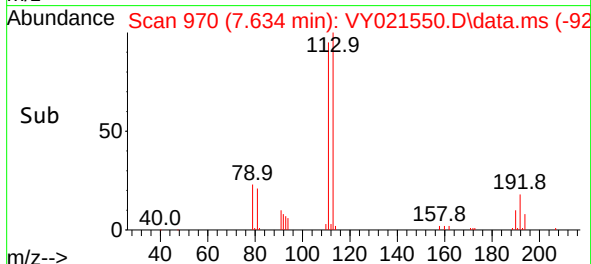
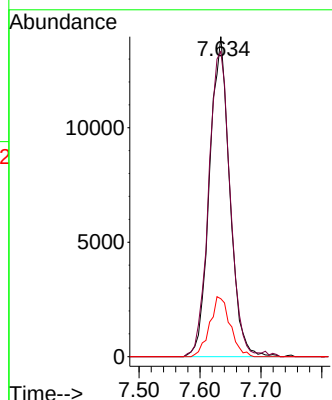
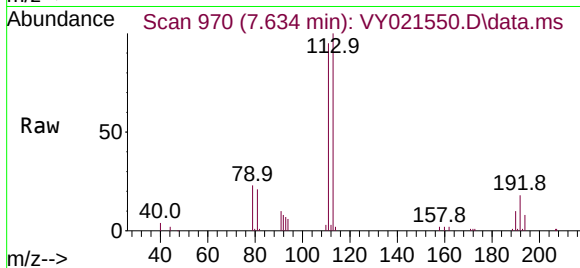
Acq: 17 Mar 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	113	Resp:	32226
Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.0	123.0
192	18.9	15.9	23.9



#36

1,1-Dichloropropene

Concen: 5.501 ug/l

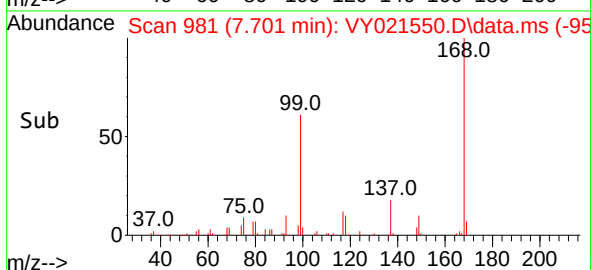
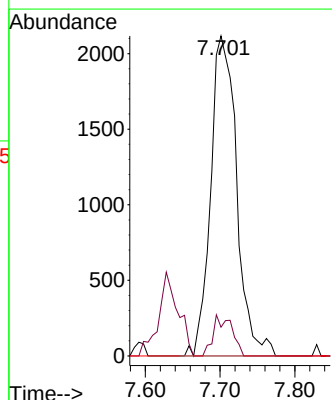
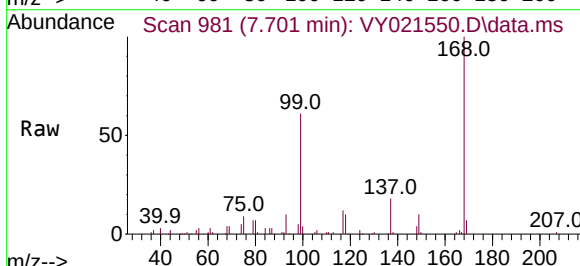
RT: 7.701 min Scan# 981

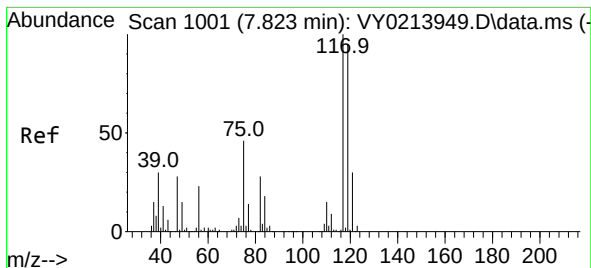
Delta R.T. -0.140 min

Lab File: VY021550.D

Acq: 17 Mar 2025 15:08

Tgt Ion:	75	Resp:	5128
Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.3	51.7#
77	0.0	25.4	38.2#





#38

Carbon Tetrachloride

Concen: 6.005 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.122 min

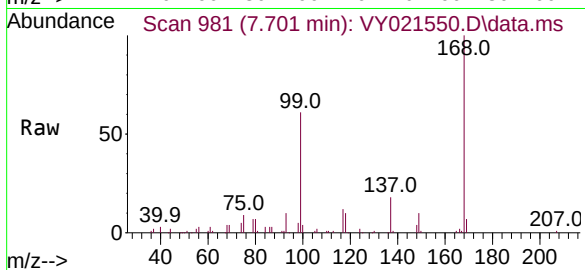
Lab File: VY021550.D

Acq: 17 Mar 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :



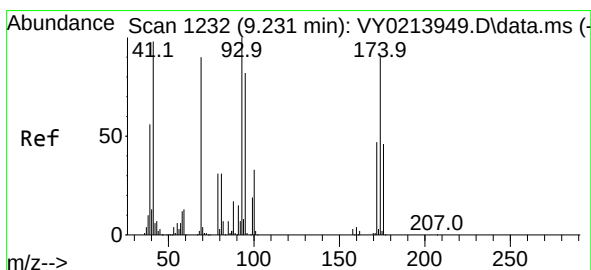
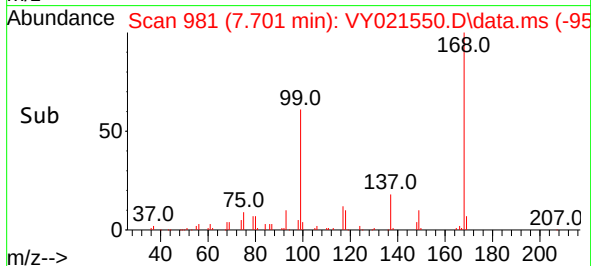
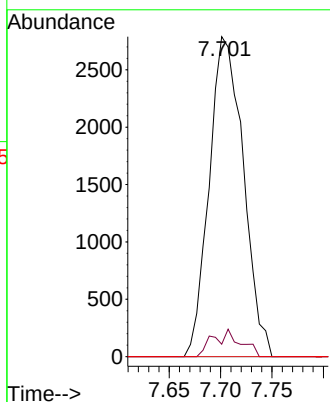
Tgt Ion:117 Resp: 6437

Ion Ratio Lower Upper

117 100

119 3.9 75.8 113.8#

121 0.0 23.9 35.9#



#49

1,4-Dioxane

Concen: 6.444 ug/l

RT: 8.957 min Scan# 1187

Delta R.T. -0.274 min

Lab File: VY021550.D

Acq: 17 Mar 2025 15:08

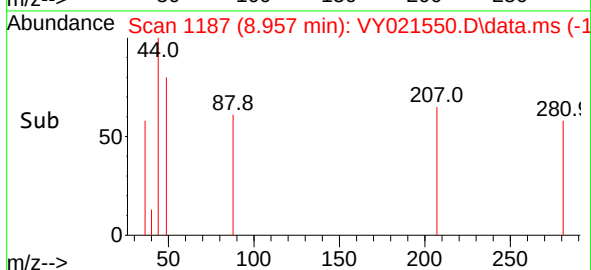
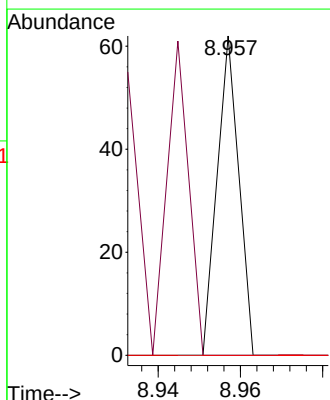
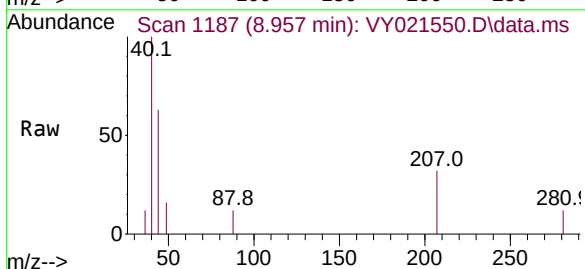
Tgt Ion: 88 Resp: 23

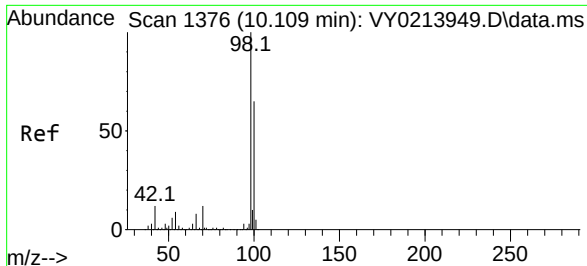
Ion Ratio Lower Upper

88 100

43 0.0 25.0 37.4#

58 0.0 58.4 87.6#





#50

Toluene-d8

Concen: 46.269 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021550.D

Acq: 17 Mar 2025 15:08

Instrument :

MSVOA_Y

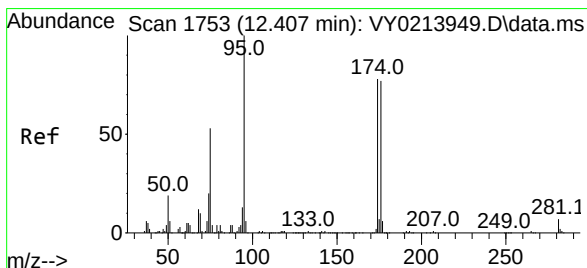
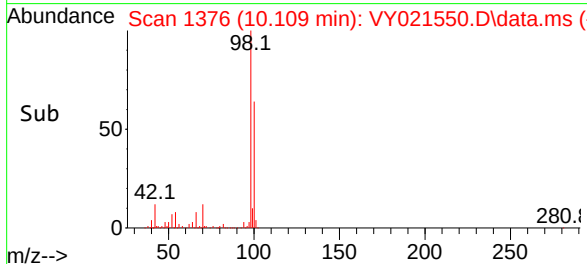
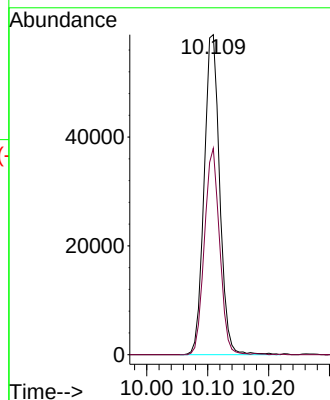
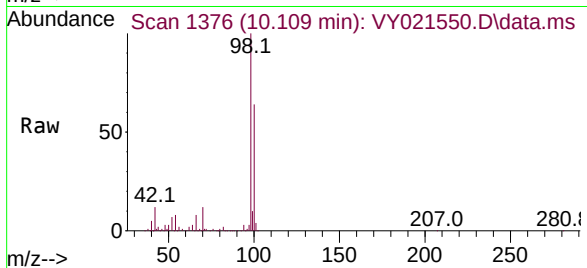
ClientSampleId :

Tgt Ion: 98 Resp: 104322

Ion Ratio Lower Upper

98 100

100 62.9 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 30.948 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021550.D

Acq: 17 Mar 2025 15:08

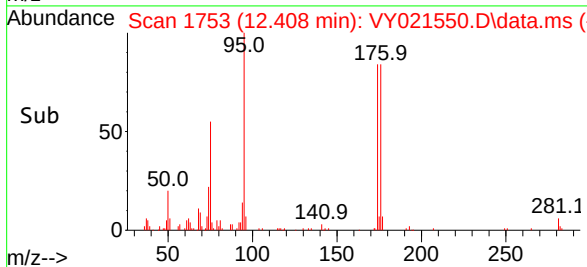
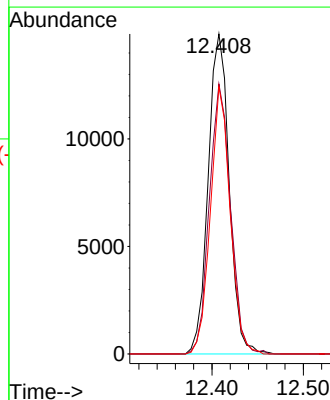
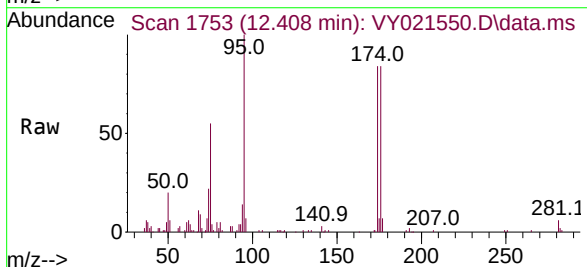
Tgt Ion: 95 Resp: 23736

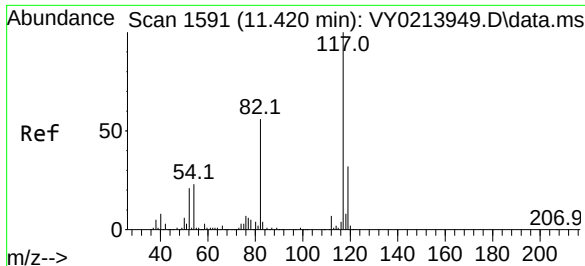
Ion Ratio Lower Upper

95 100

174 85.1 0.0 165.0

176 78.7 0.0 160.0

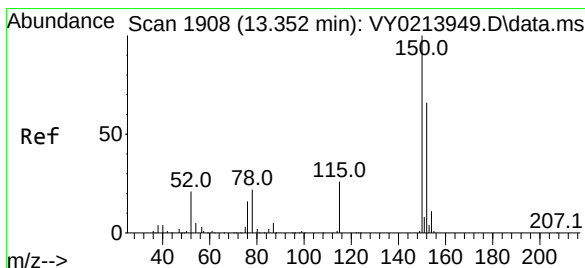
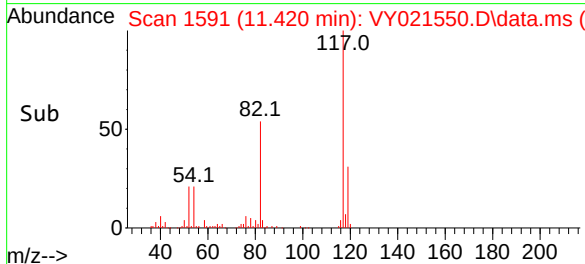
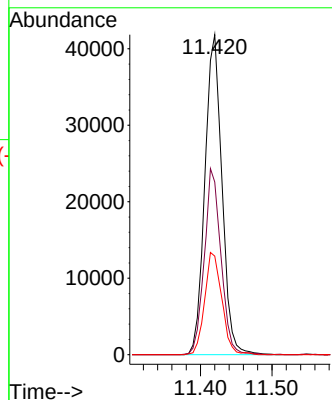
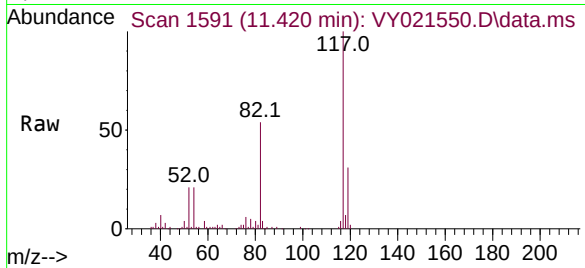




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY021550.D
Acq: 17 Mar 2025 15:08

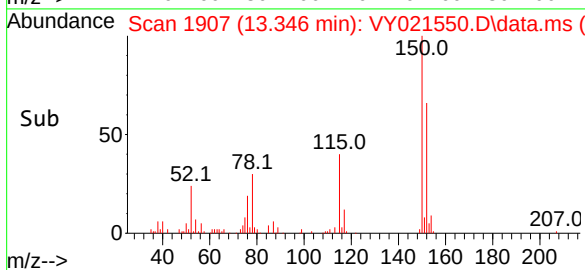
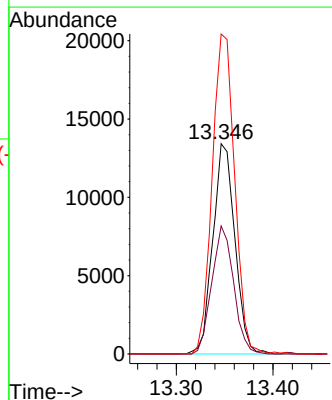
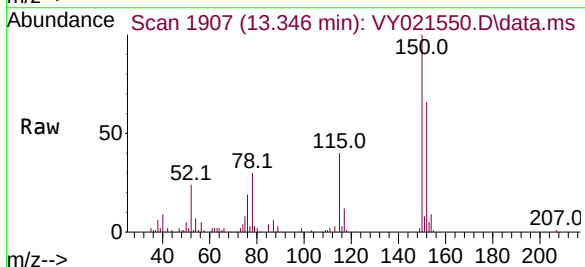
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MSVOA_Y
ClientSampleId :

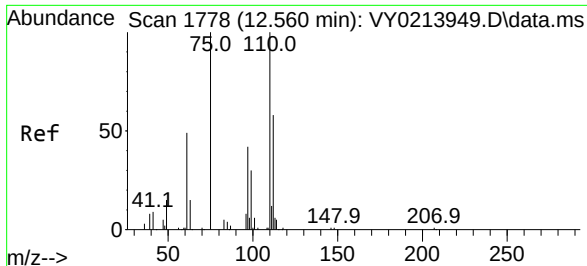
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.6	67.0
119	30.8	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021550.D
Acq: 17 Mar 2025 15:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.0	87.0
150	154.9	0.0	347.2

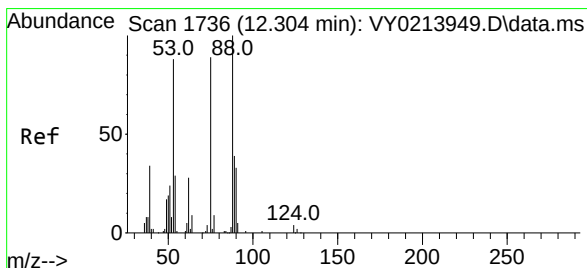
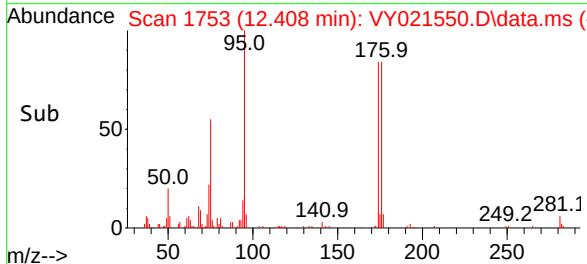
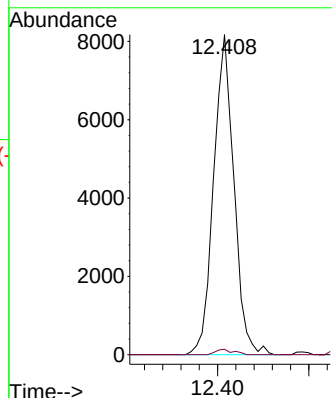
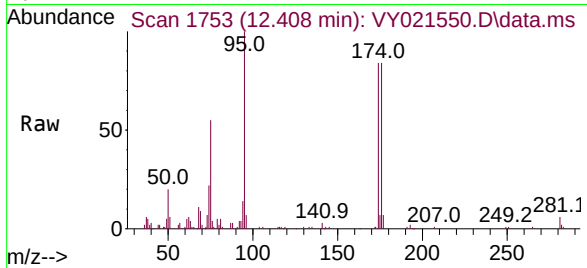




#76
1,2,3-Trichloropropane
Concen: 58.764 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021550.D
Acq: 17 Mar 2025 15:08

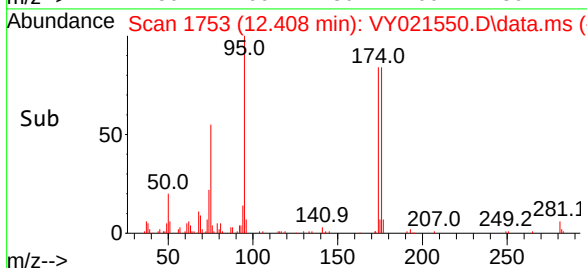
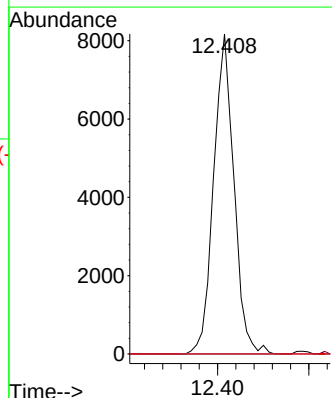
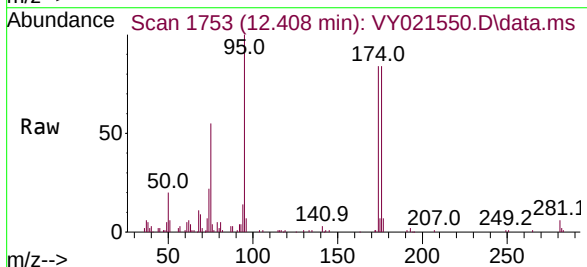
Instrument :
MSVOA_Y
ClientSampleId :

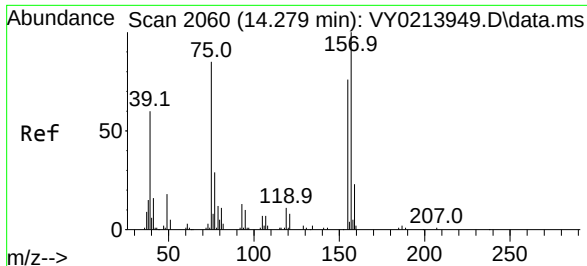
Tgt Ion: 75 Resp: 12585
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.588 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021550.D
Acq: 17 Mar 2025 15:08

Tgt Ion: 75 Resp: 12585
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.0 36.9 55.3#

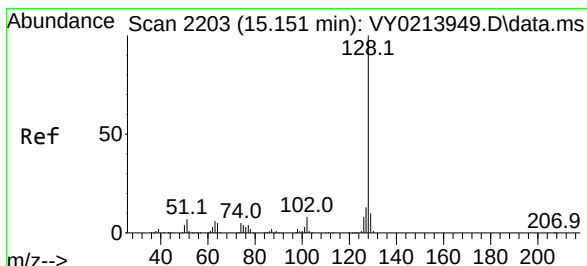
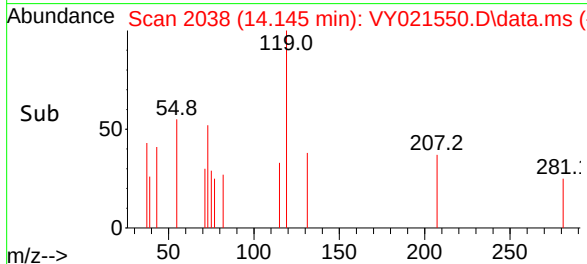
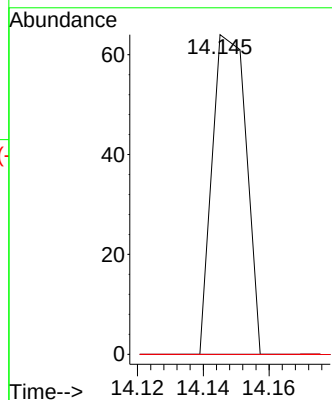
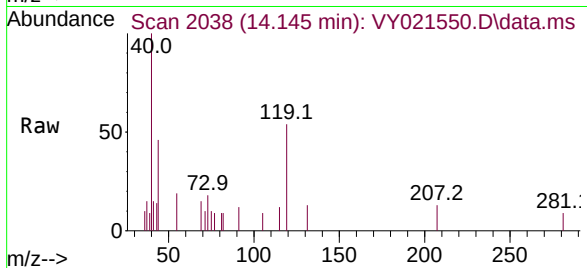




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.039 ug/l
 RT: 14.145 min Scan# 2060
 Delta R.T. -0.134 min
 Lab File: VY021550.D
 Acq: 17 Mar 2025 15:08

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 46
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.5 130.5#
 157 0.0 54.4 163.2#



#95
 Naphthalene
 Concen: 2.082 ug/l
 RT: 15.151 min Scan# 2203
 Delta R.T. -0.000 min
 Lab File: VY021550.D
 Acq: 17 Mar 2025 15:08

Tgt Ion: 128 Resp: 365
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 17.3 8.6 13.0#

