

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
 Data File : VY021035.D
 Acq On : 03 Feb 2025 17:24
 Operator : SY/MD
 Sample : Q1216-05
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 00:57:56 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)

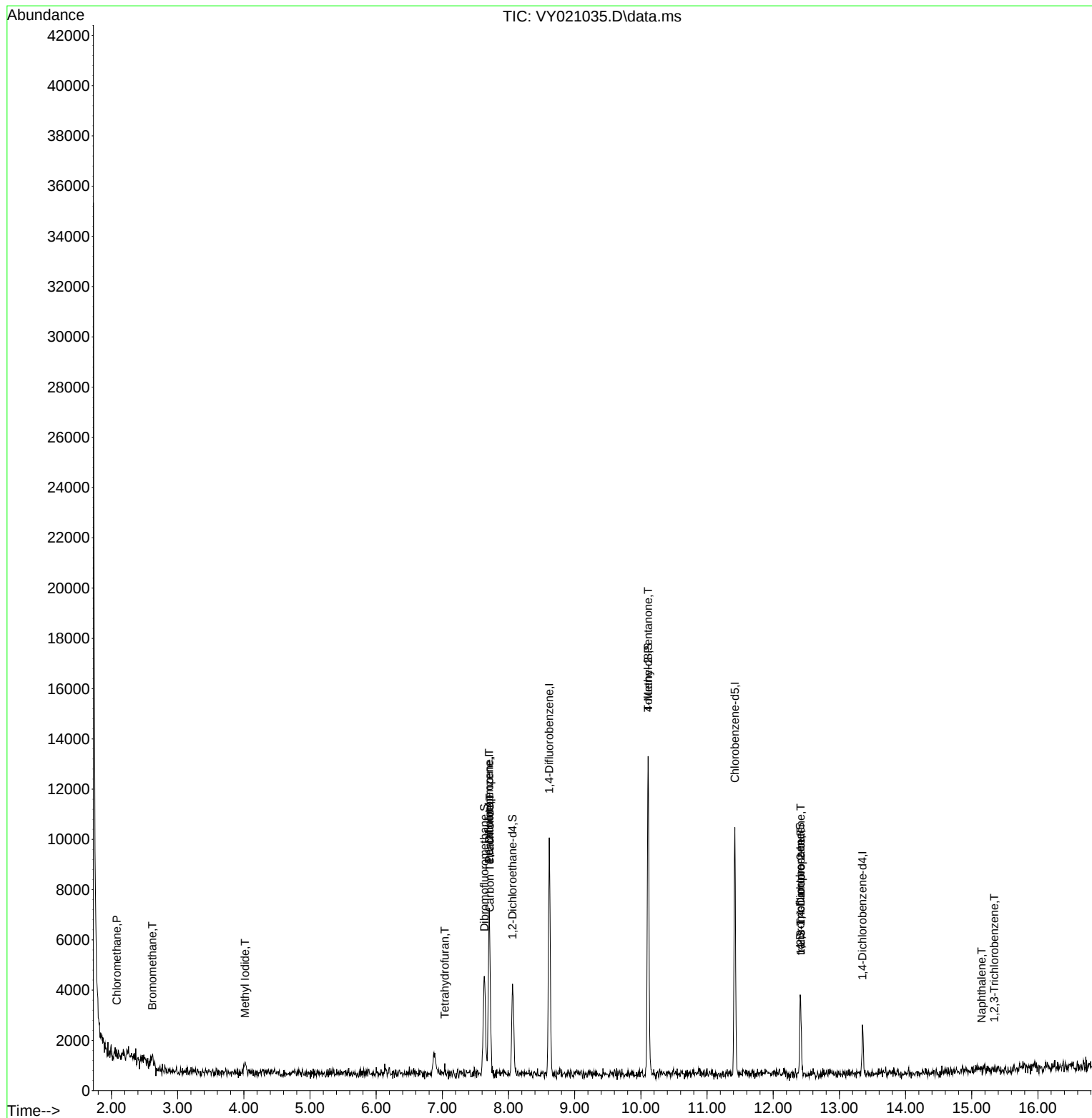
Internal Standards						
1) Pentafluorobenzene	7.707	168	5141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	8013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	5636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	3195	60.656	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.320%	
35) Dibromofluoromethane	7.634	113	3089	60.153	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.300%	
50) Toluene-d8	10.109	98	8510	43.529	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 87.060%	
62) 4-Bromofluorobenzene	12.408	95	1044	16.346	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 32.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.080	50	242	5.352	ug/l #	41
5) Bromomethane	2.617	94	361	12.834	ug/l #	71
10) Methyl Iodide	4.019	142	678	11.728	ug/l #	89
29) Tetrahydrofuran	7.037	42	22	2.409	ug/l #	32
36) 1,1-Dichloropropene	7.707	75	369	4.851	ug/l #	42
38) Carbon Tetrachloride	7.719	117	548	6.166	ug/l #	12
51) 4-Methyl-2-Pentanone	10.109	43	44	1.320	ug/l	99
76) 1,2,3-Trichloropropane	12.414	75	603	89.347	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	603	182.310	ug/l #	12
95) Naphthalene	15.151	128	44	2.198	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.340	180	41	3.938	ug/l #	13

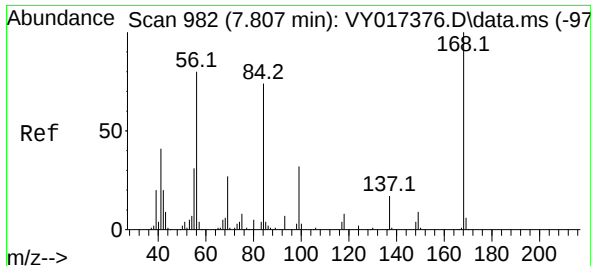
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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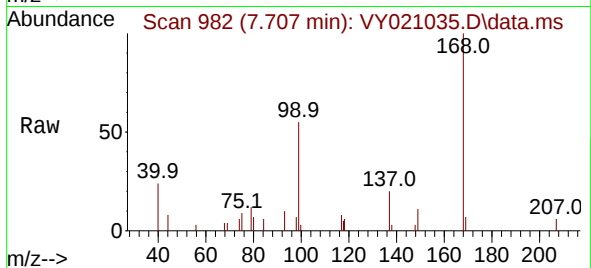
Quant Time: Feb 04 00:57:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
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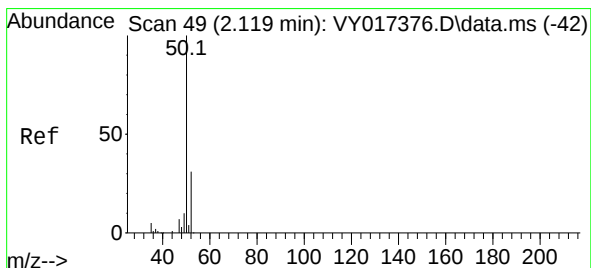
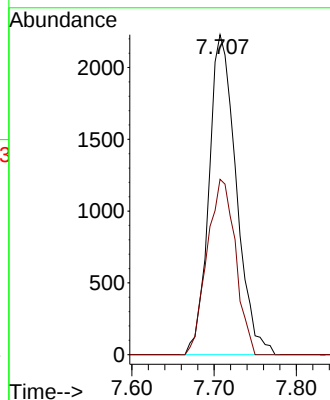
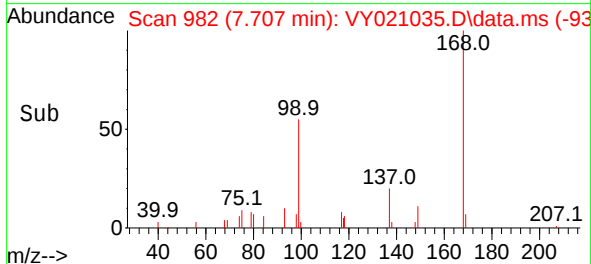


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY021035.D
Acq: 03 Feb 2025 17:24

Instrument :
MSVOA_Y
ClientSampleId :

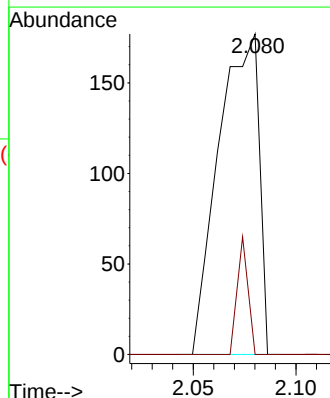
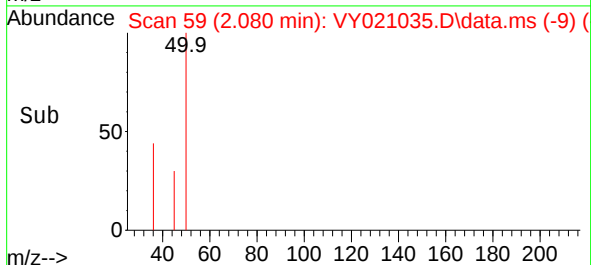
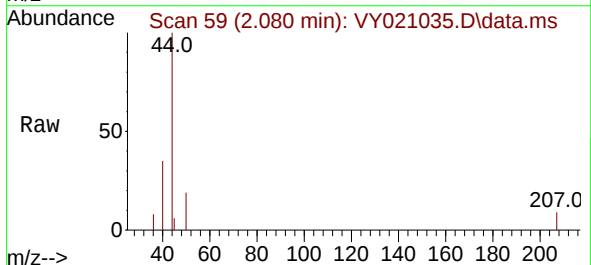


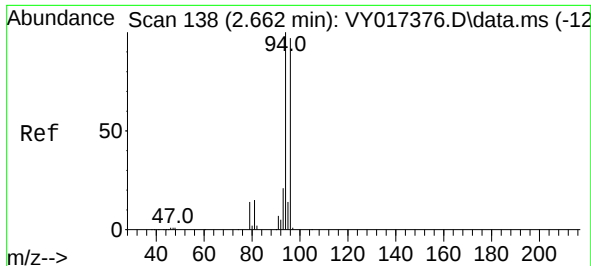
Tgt Ion:168 Resp: 5141
Ion Ratio Lower Upper
168 100
99 54.8 44.2 66.4



#3
Chloromethane
Concen: 5.352 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.006 min
Lab File: VY021035.D
Acq: 03 Feb 2025 17:24

Tgt Ion: 50 Resp: 242
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#





#5

Bromomethane

Concen: 12.834 ug/l

RT: 2.617 min Scan# 147

Delta R.T. 0.012 min

Lab File: VY021035.D

Acq: 03 Feb 2025 17:24

Instrument :

MSVOA_Y

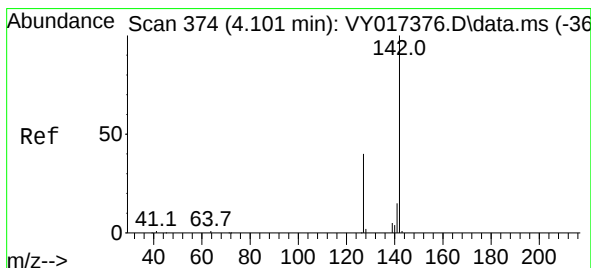
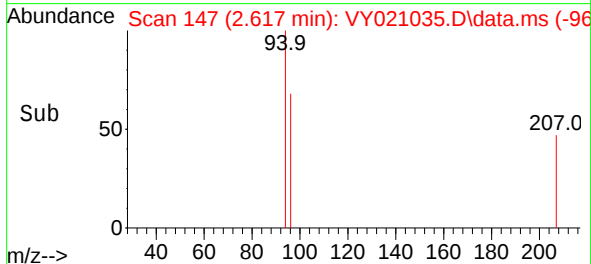
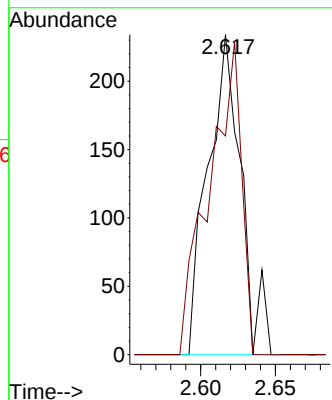
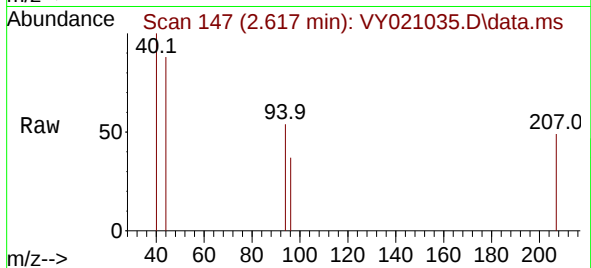
ClientSampleId :

Tgt Ion: 94 Resp: 361

Ion Ratio Lower Upper

94 100

96 68.4 77.3 115.9#



#10

Methyl Iodide

Concen: 11.728 ug/l

RT: 4.019 min Scan# 377

Delta R.T. 0.006 min

Lab File: VY021035.D

Acq: 03 Feb 2025 17:24

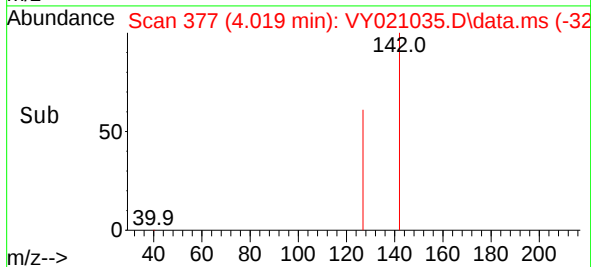
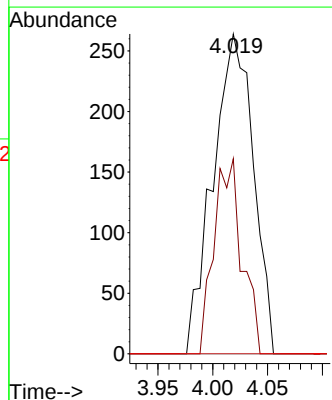
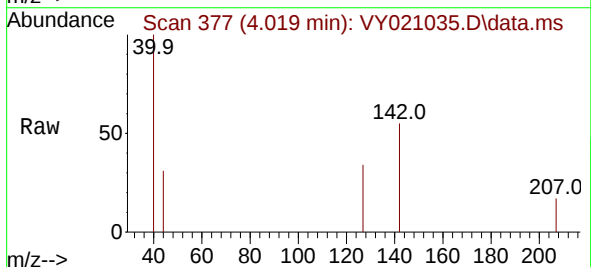
Tgt Ion:142 Resp: 678

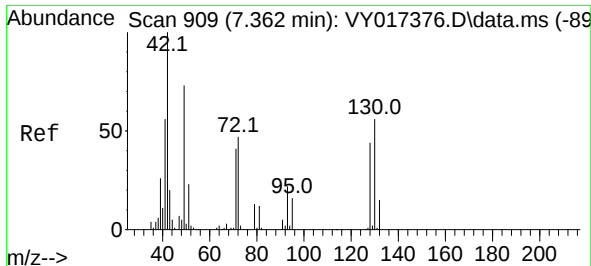
Ion Ratio Lower Upper

142 100

127 42.0 35.1 52.7

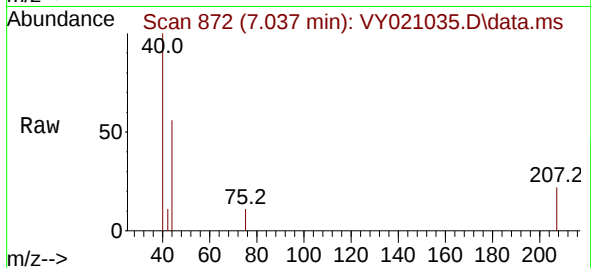
141 0.0 11.8 17.6#



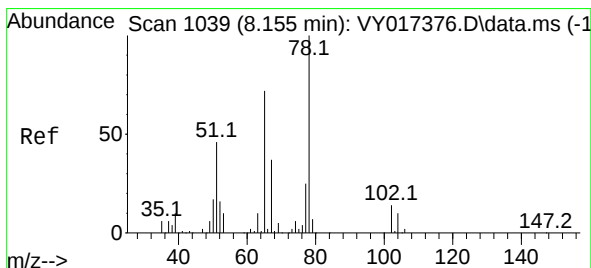
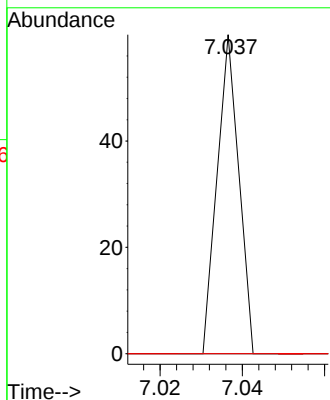
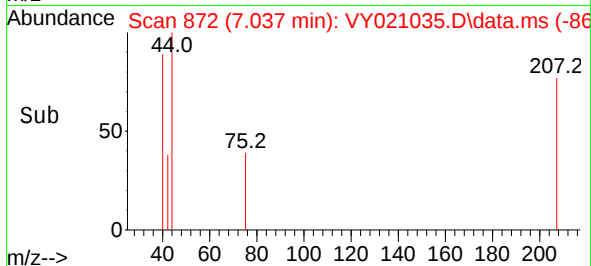


#29
Tetrahydrofuran
Concen: 2.409 ug/l
RT: 7.037 min Scan# 81
Delta R.T. -0.226 min
Lab File: VY021035.D
Acq: 03 Feb 2025 17:24

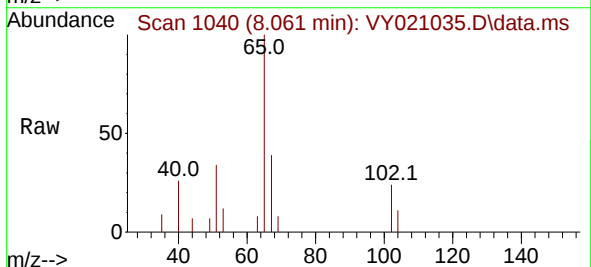
Instrument :
MSVOA_Y
ClientSampleId :



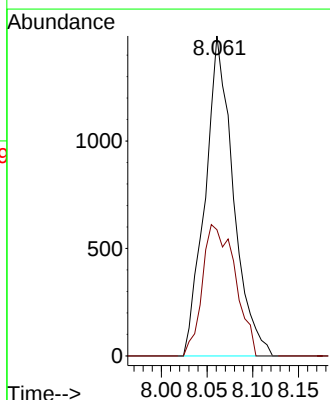
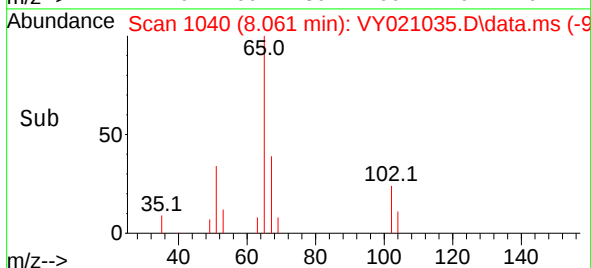
Tgt Ion: 42 Resp: 22
Ion Ratio Lower Upper
42 100
72 0.0 36.6 54.8#
71 0.0 33.8 50.6#

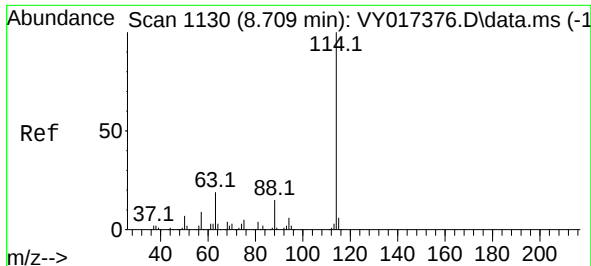


#33
1,2-Dichloroethane-d4
Concen: 60.656 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021035.D
Acq: 03 Feb 2025 17:24



Tgt Ion: 65 Resp: 3195
Ion Ratio Lower Upper
65 100
67 47.7 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY021035.D

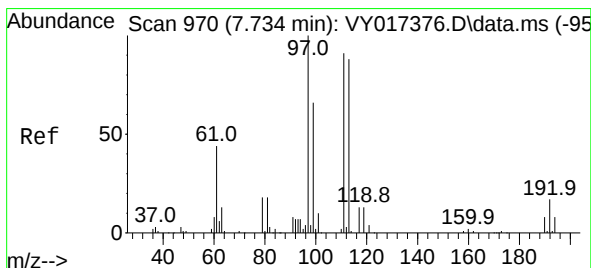
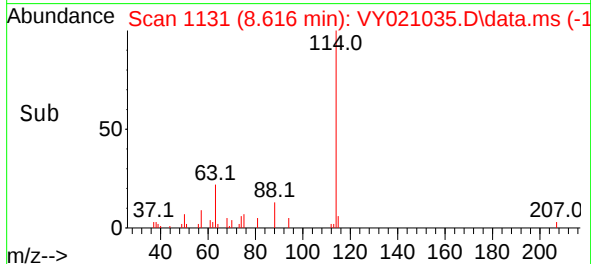
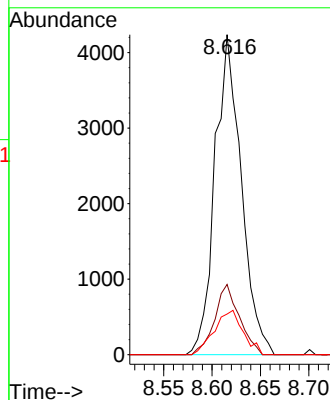
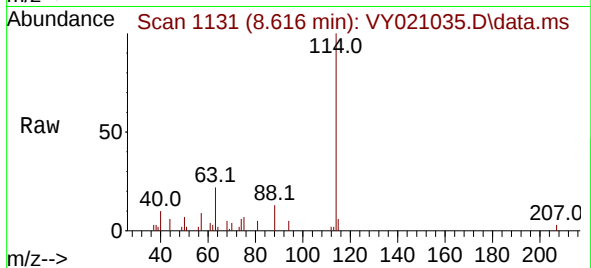
Acq: 03 Feb 2025 17:24

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	8013
Ion	Ratio	Lower Upper
114	100	
63	22.0	0.0 37.4
88	12.7	0.0 29.0



#35

Dibromofluoromethane

Concen: 60.153 ug/l

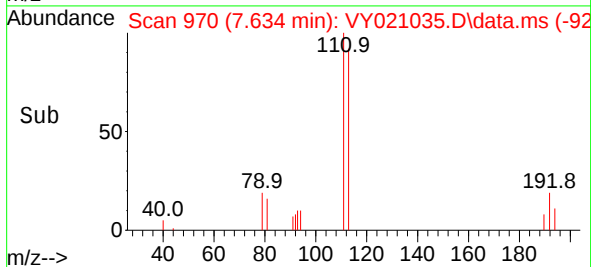
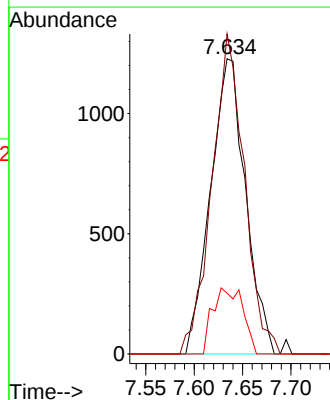
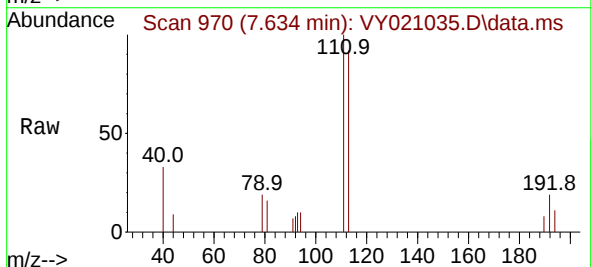
RT: 7.634 min Scan# 970

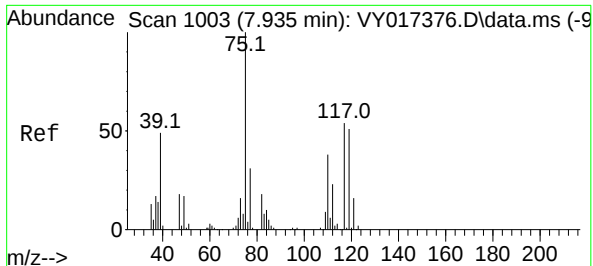
Delta R.T. -0.006 min

Lab File: VY021035.D

Acq: 03 Feb 2025 17:24

Tgt Ion:113	Resp:	3089
Ion	Ratio	Lower Upper
113	100	
111	100.7	83.8 125.6
192	19.3	14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.851 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY021035.D

Acq: 03 Feb 2025 17:24

Instrument :

MSVOA_Y

ClientSampleId :

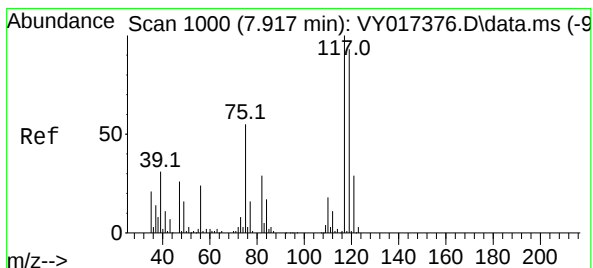
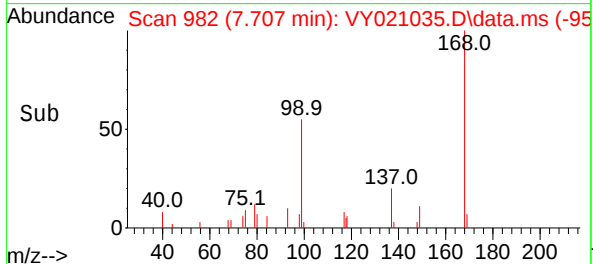
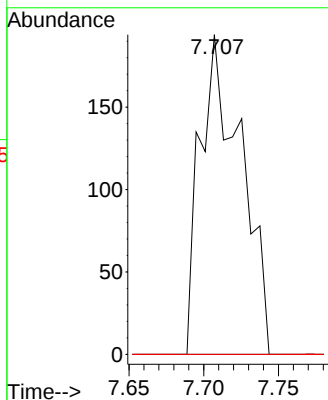
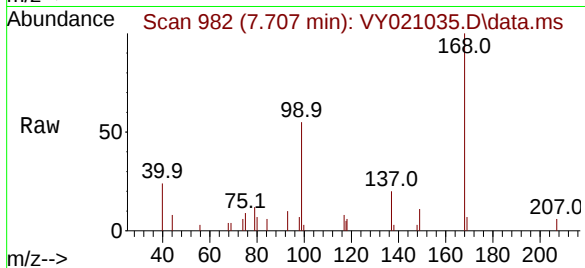
Tgt Ion: 75 Resp: 369

Ion Ratio Lower Upper

75 100

110 0.0 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.166 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.104 min

Lab File: VY021035.D

Acq: 03 Feb 2025 17:24

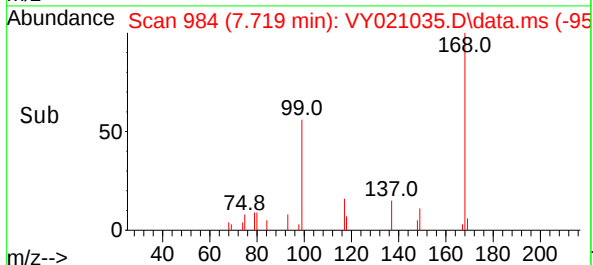
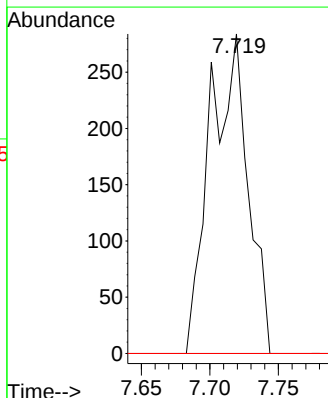
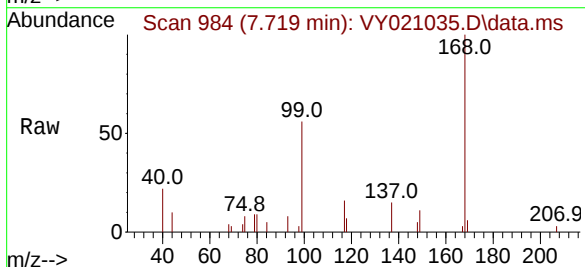
Tgt Ion:117 Resp: 548

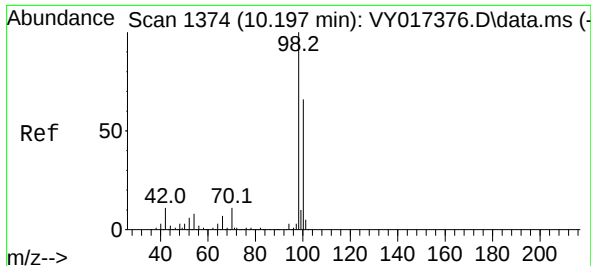
Ion Ratio Lower Upper

117 100

119 0.0 76.0 114.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 43.529 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021035.D

Acq: 03 Feb 2025 17:24

Instrument :

MSVOA_Y

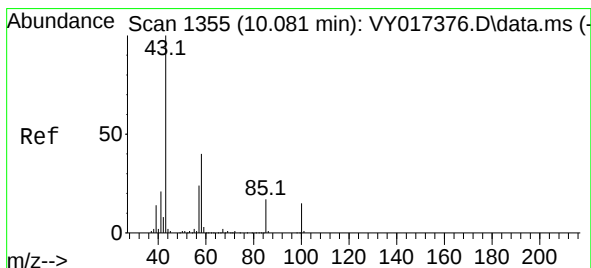
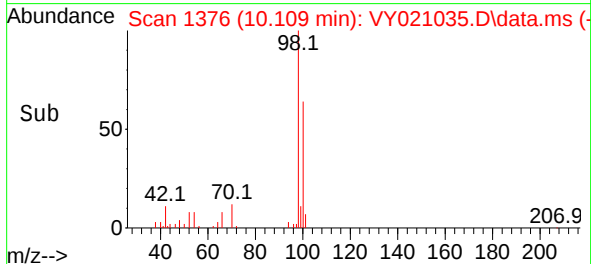
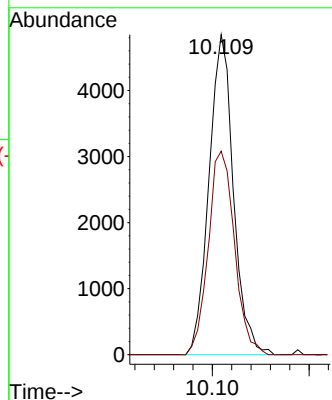
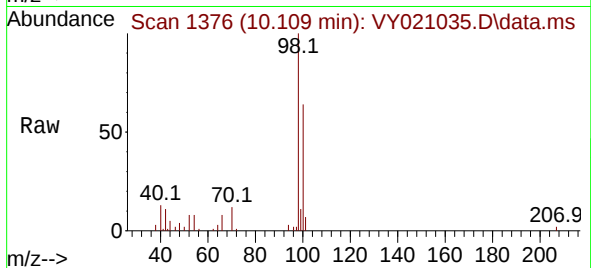
ClientSampleId :

Tgt Ion: 98 Resp: 8510

Ion Ratio Lower Upper

98 100

100 68.3 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 1.320 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.110 min

Lab File: VY021035.D

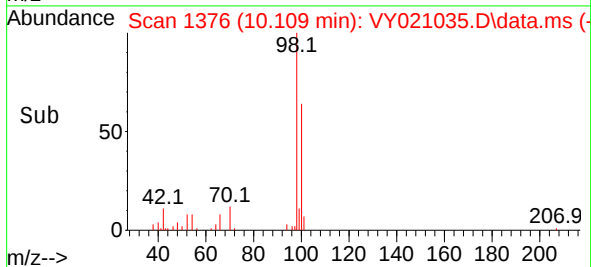
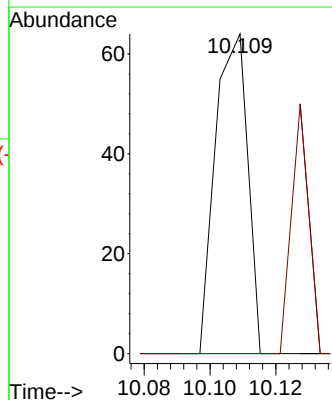
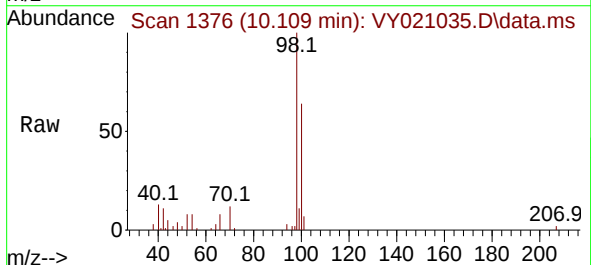
Acq: 03 Feb 2025 17:24

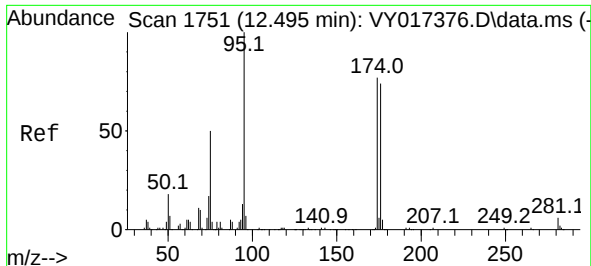
Tgt Ion: 43 Resp: 44

Ion Ratio Lower Upper

43 100

58 40.9 32.2 48.2





#62

4-Bromofluorobenzene

Concen: 16.346 ug/l

RT: 12.408 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021035.D

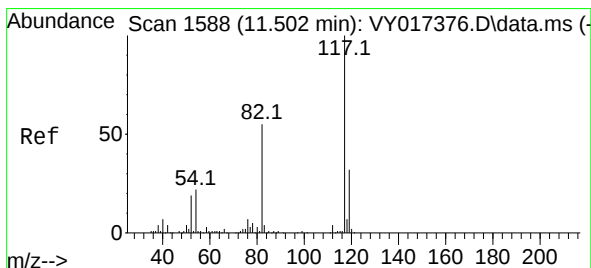
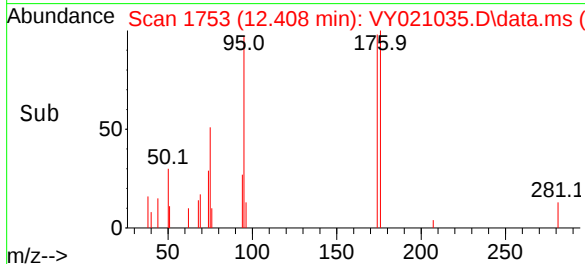
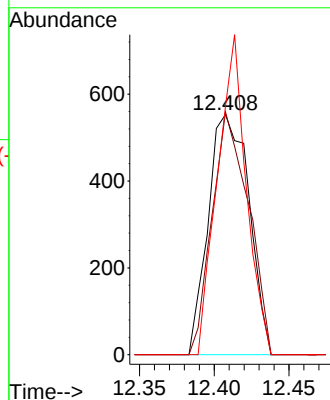
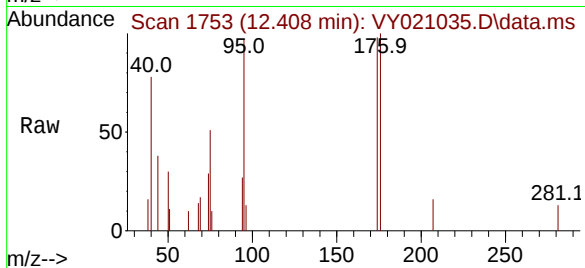
Acq: 03 Feb 2025 17:24

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 95	Resp: 1044
Ion Ratio	Lower Upper
95 100	
174 90.5	0.0 160.0
176 94.3	0.0 151.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

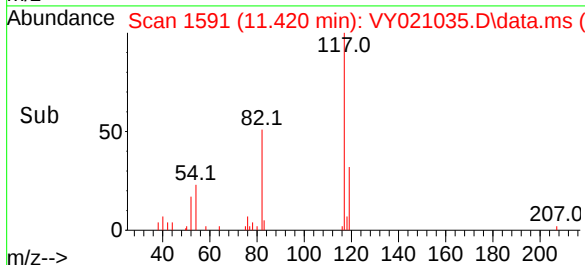
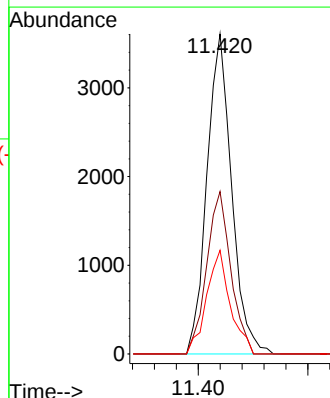
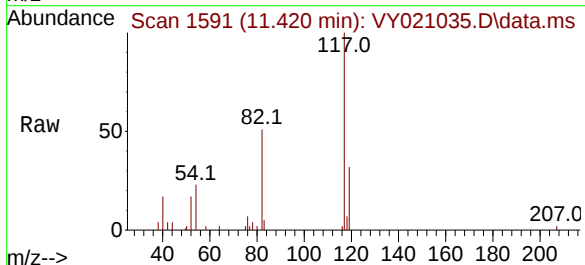
RT: 11.420 min Scan# 1591

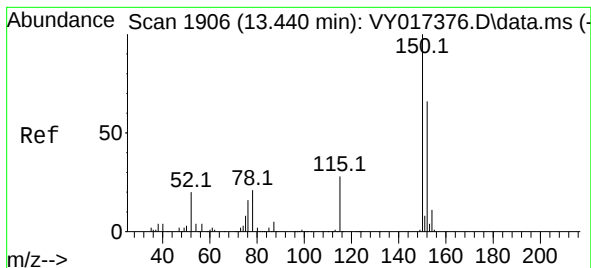
Delta R.T. -0.000 min

Lab File: VY021035.D

Acq: 03 Feb 2025 17:24

Tgt Ion: 117	Resp: 5636
Ion Ratio	Lower Upper
117 100	
82 50.7	43.8 65.8
119 32.4	26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021035.D

Acq: 03 Feb 2025 17:24

Instrument :

MSVOA_Y

ClientSampleId :

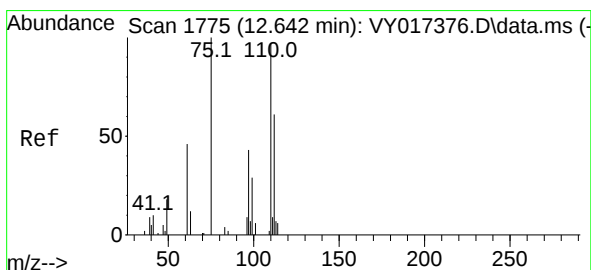
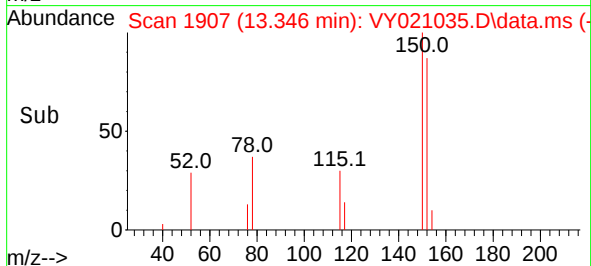
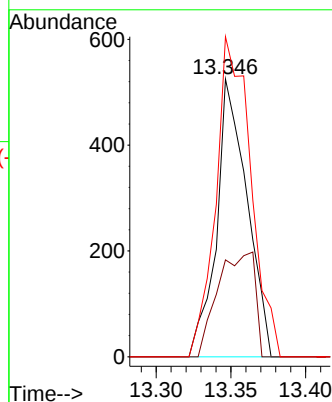
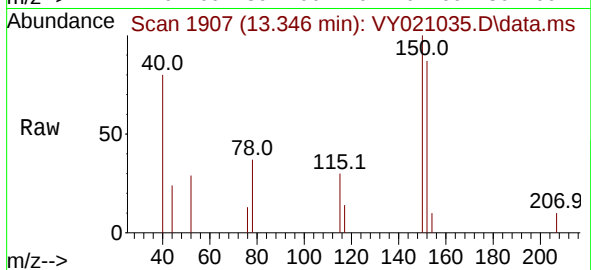
Tgt Ion:152 Resp: 744

Ion Ratio Lower Upper

152 100

115 45.8 30.0 90.0

150 131.7 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 89.347 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.147 min

Lab File: VY021035.D

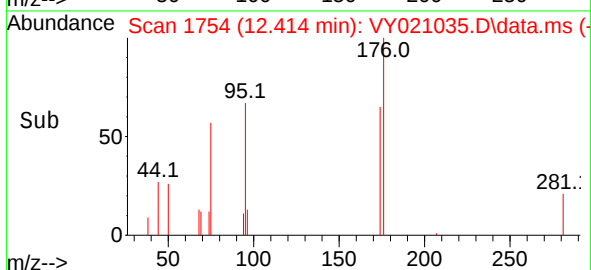
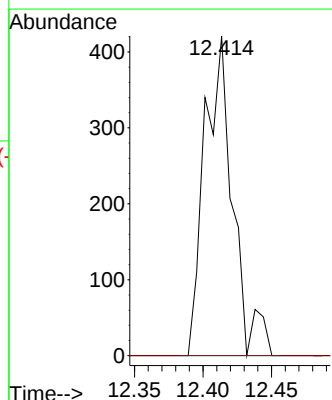
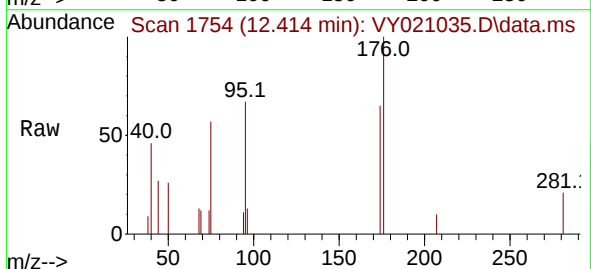
Acq: 03 Feb 2025 17:24

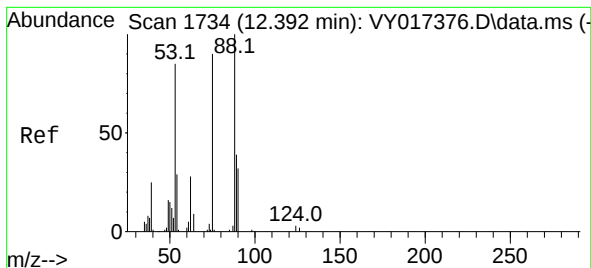
Tgt Ion: 75 Resp: 603

Ion Ratio Lower Upper

75 100

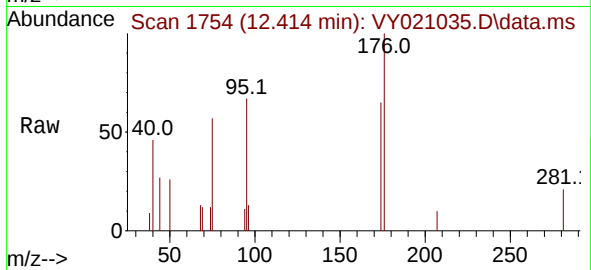
77 0.0 0.0 0.0



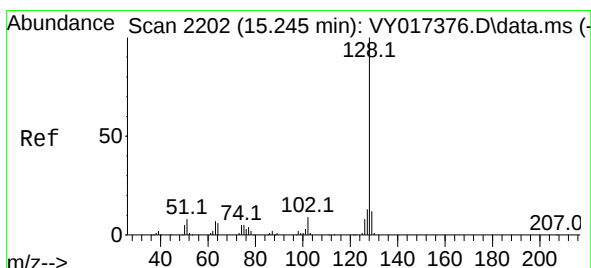
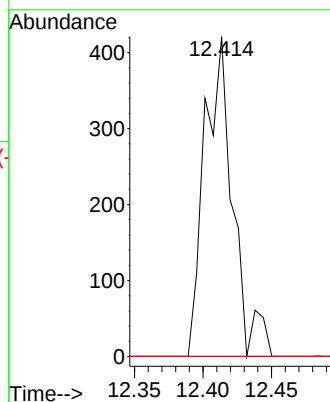
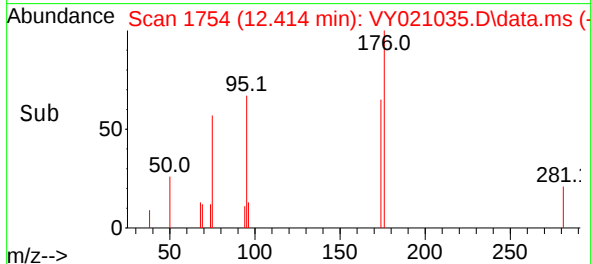


#81
trans-1,4-Dichloro-2-butene
Concen: 182.310 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.103 min
Lab File: VY021035.D
Acq: 03 Feb 2025 17:24

Instrument :
MSVOA_Y
ClientSampleId :

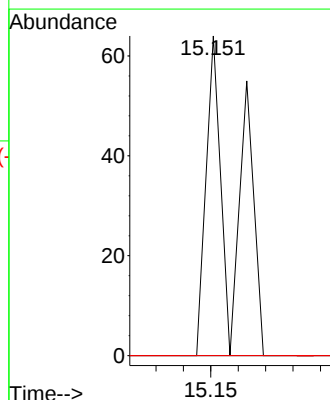
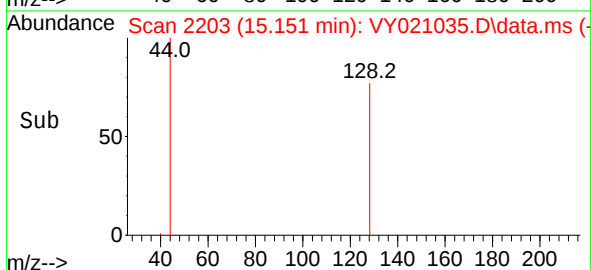
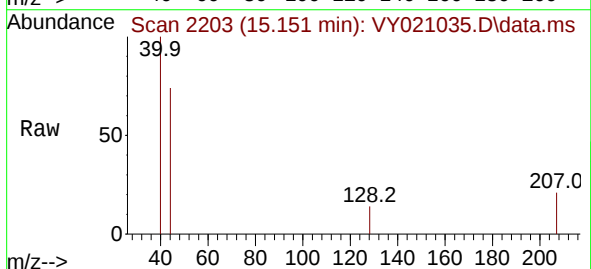


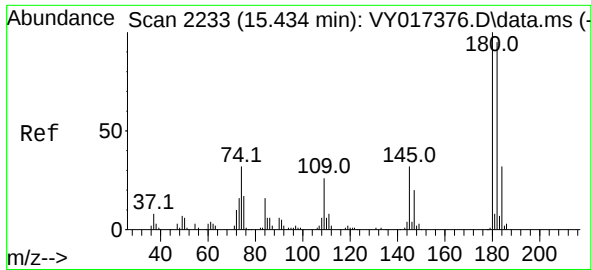
Tgt Ion: 75 Resp: 603
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 2.198 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY021035.D
Acq: 03 Feb 2025 17:24

Tgt Ion: 128 Resp: 44
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#





#96

1,2,3-Trichlorobenzene

Concen: 3.938 ug/l

RT: 15.340 min Scan# 21

Delta R.T. 0.006 min

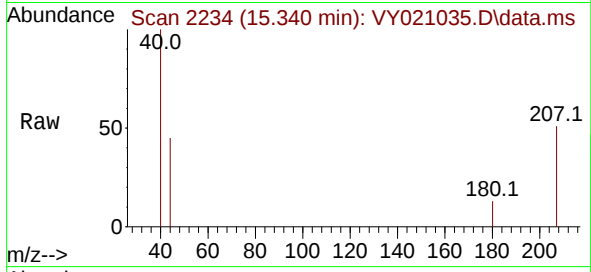
Lab File: VY021035.D

Acq: 03 Feb 2025 17:24

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:180 Resp: 41

Ion Ratio Lower Upper

180 100

182 0.0 46.3 138.8#

145 0.0 16.1 48.2#

