

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021121.D
 Acq On : 06 Feb 2025 19:05
 Operator : SY/MD
 Sample : Q1309-11
 Misc : 4.46g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 02:36:42 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)

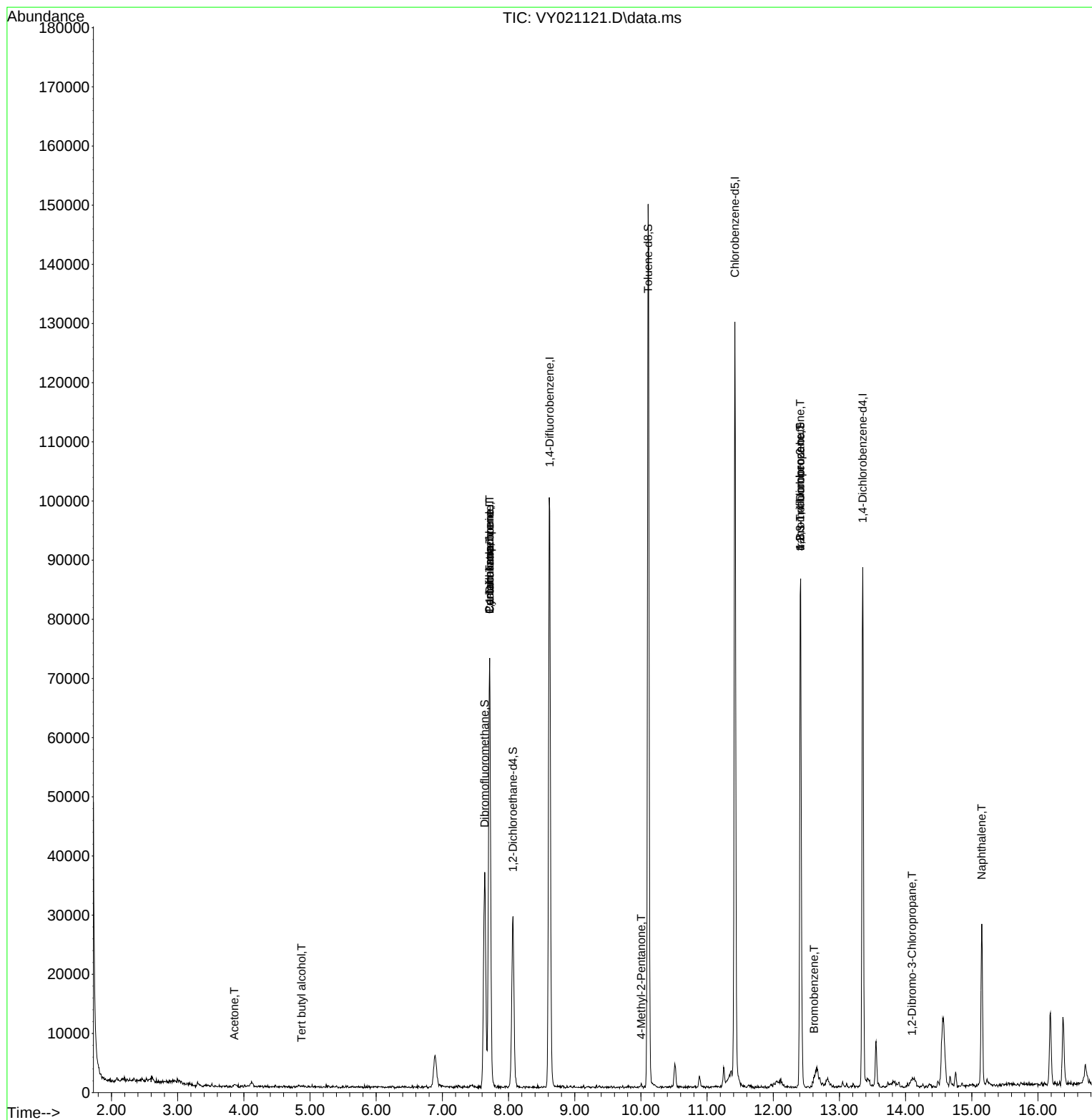
Internal Standards						
1) Pentafluorobenzene	7.713	168	56450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	85574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	67521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	22299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	23396	40.451	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.900%		
35) Dibromofluoromethane	7.640	113	26584	48.474	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.940%		
50) Toluene-d8	10.109	98	98027	46.951	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.900%		
62) 4-Bromofluorobenzene	12.408	95	25214	36.966	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	73.940%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.872	59	54	1.378	ug/l #	75
16) Acetone	3.854	43	537	5.954	ug/l #	41
31) Cyclohexane	7.713	56	1232	1.249	ug/l #	15
36) 1,1-Dichloropropene	7.713	75	4383	5.396	ug/l #	51
38) Carbon Tetrachloride	7.713	117	5650	5.953	ug/l #	15
51) 4-Methyl-2-Pentanone	10.006	43	470	1.320	ug/l	97
76) 1,2,3-Trichloropropane	12.408	75	13759	68.020	ug/l #	100
77) Bromobenzene	12.615	156	1154	2.871	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.408	75	13759	138.793	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.096	75	50	1.155	ug/l #	1
95) Naphthalene	15.151	128	22271	37.124	ug/l	97

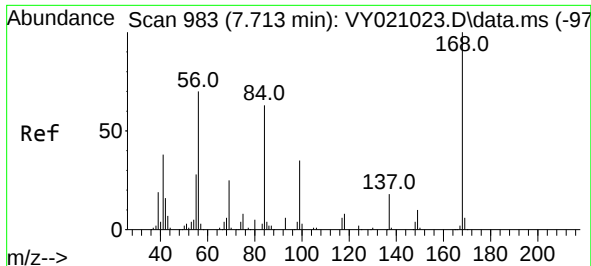
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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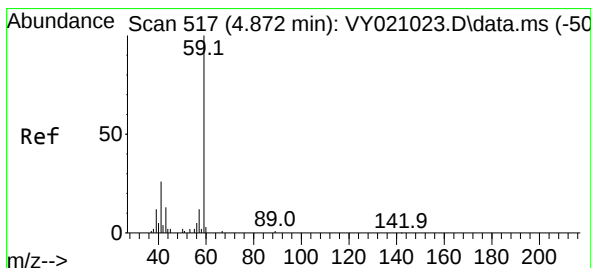
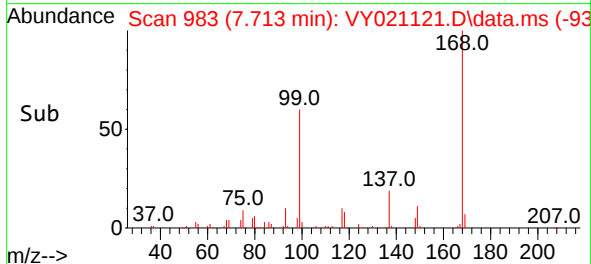
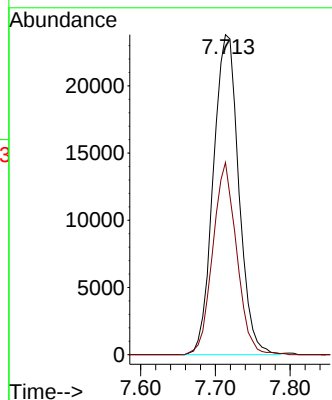
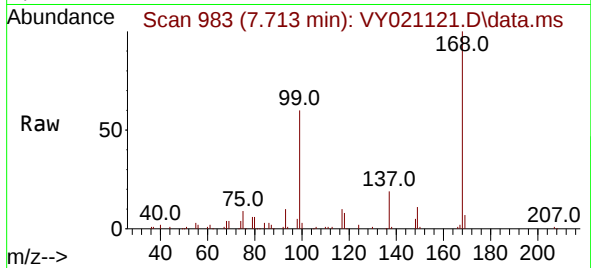




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021121.D
Acq: 06 Feb 2025 19:05

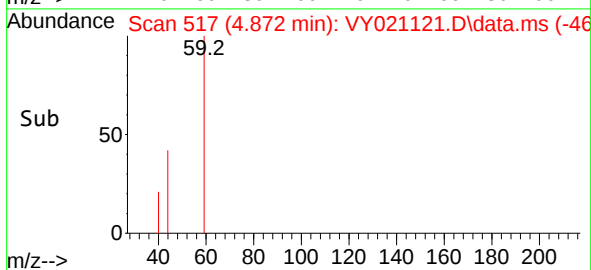
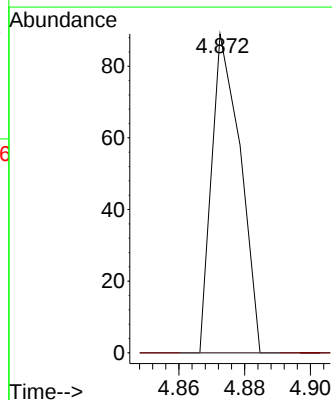
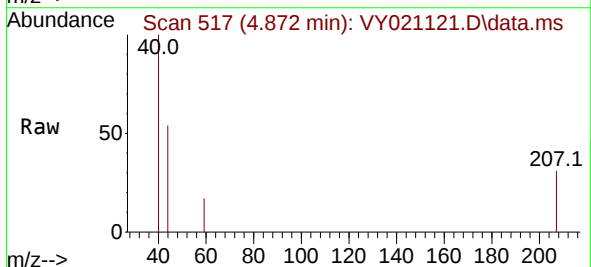
Instrument :
MSVOA_Y
ClientSampleId :

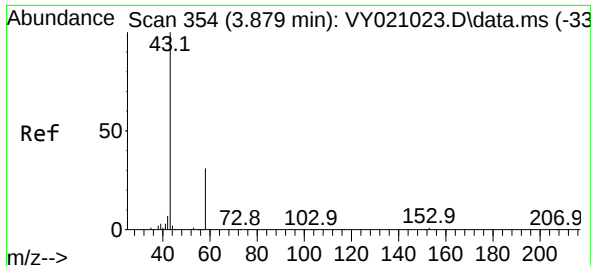
Tgt Ion:168 Resp: 56450
Ion Ratio Lower Upper
168 100
99 60.1 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.378 ug/l
RT: 4.872 min Scan# 517
Delta R.T. -0.000 min
Lab File: VY021121.D
Acq: 06 Feb 2025 19:05

Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 5.954 ug/l

RT: 3.854 min Scan# 31

Delta R.T. -0.024 min

Lab File: VY021121.D

Acq: 06 Feb 2025 19:05

Instrument :

MSVOA_Y

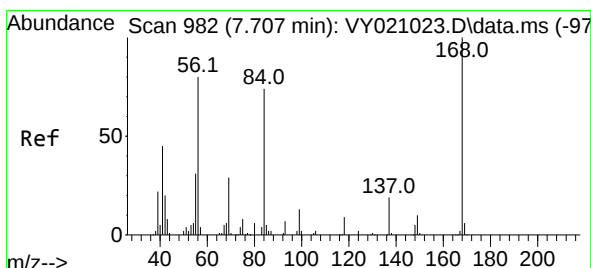
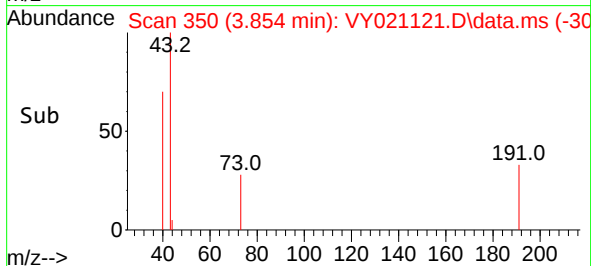
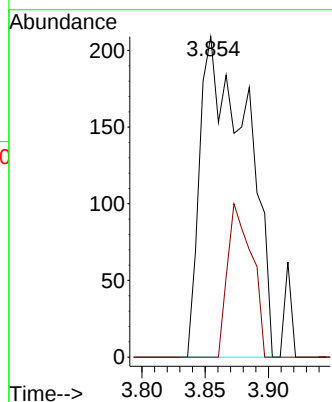
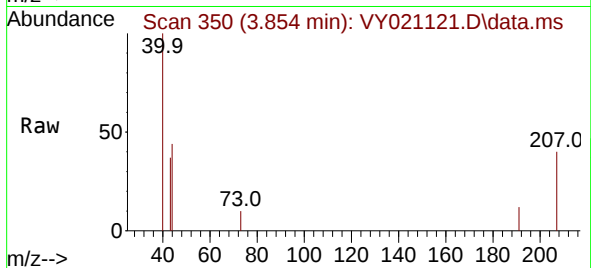
ClientSampleId :

Tgt Ion: 43 Resp: 537

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#31

Cyclohexane

Concen: 1.249 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.006 min

Lab File: VY021121.D

Acq: 06 Feb 2025 19:05

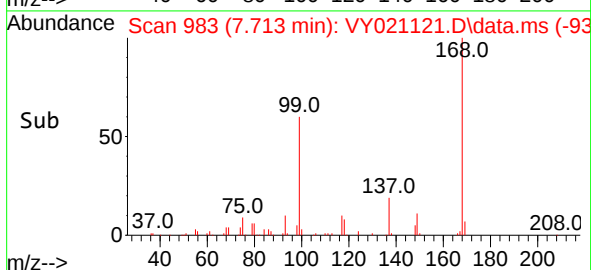
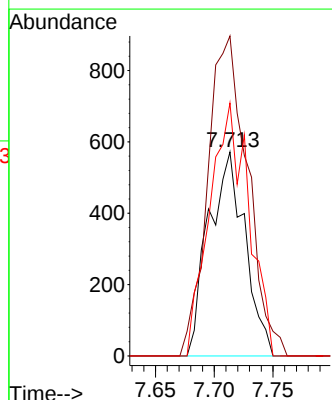
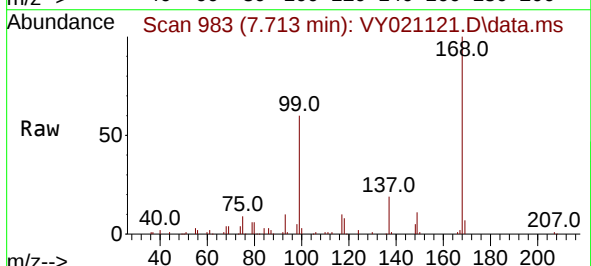
Tgt Ion: 56 Resp: 1232

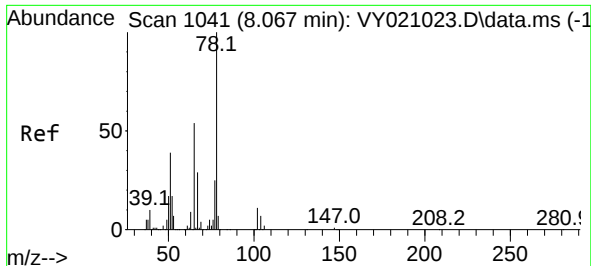
Ion Ratio Lower Upper

56 100

69 156.8 27.0 40.6#

84 124.0 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 40.451 ug/l

RT: 8.067 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY021121.D

Acq: 06 Feb 2025 19:05

Instrument :

MSVOA_Y

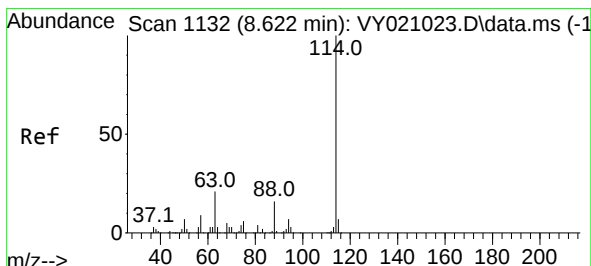
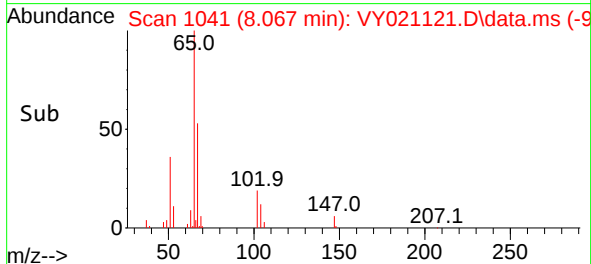
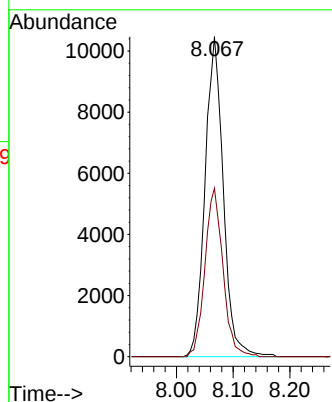
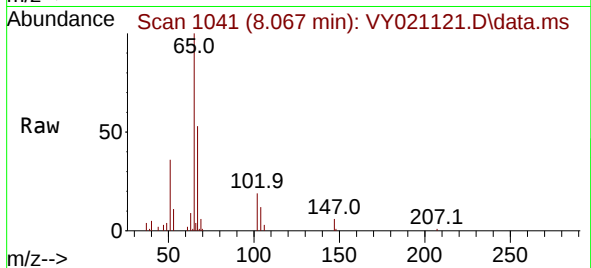
ClientSampleId :

Tgt Ion: 65 Resp: 23396

Ion Ratio Lower Upper

65 100

67 52.0 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021121.D

Acq: 06 Feb 2025 19:05

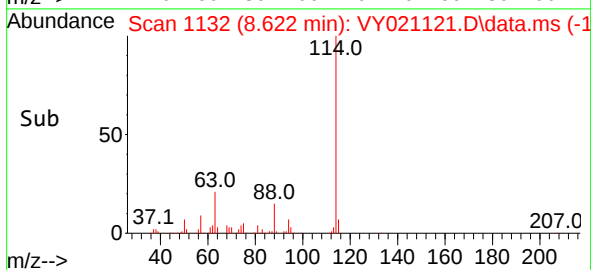
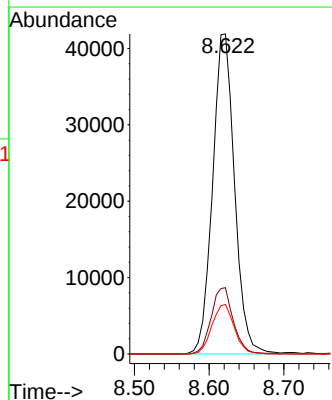
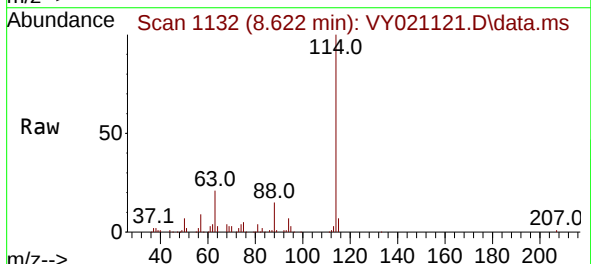
Tgt Ion: 114 Resp: 85574

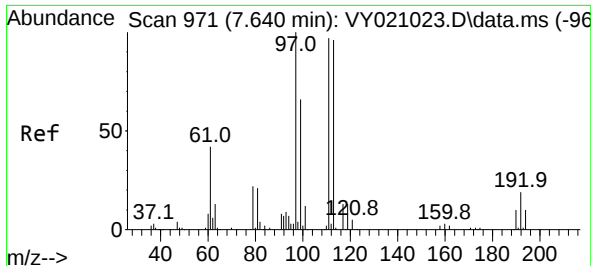
Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

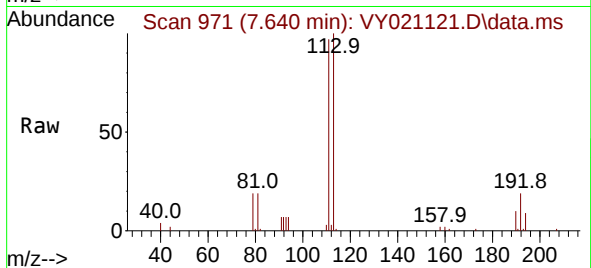
88 15.4 0.0 29.0



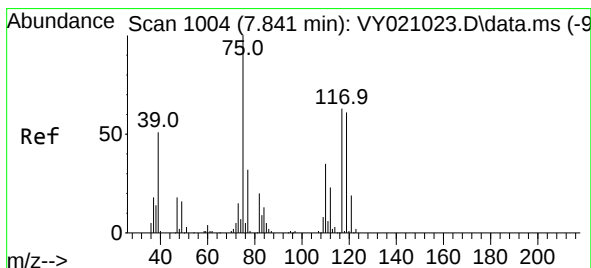
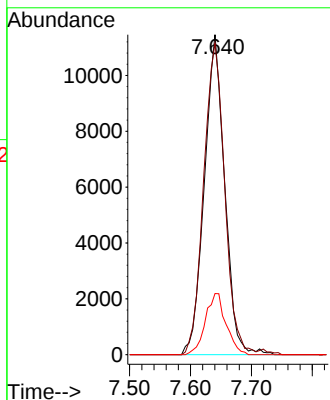
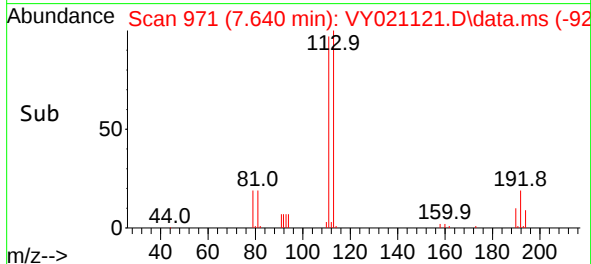


#35
Dibromofluoromethane
Concen: 48.474 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021121.D
Acq: 06 Feb 2025 19:05

Instrument :
MSVOA_Y
ClientSampleId :

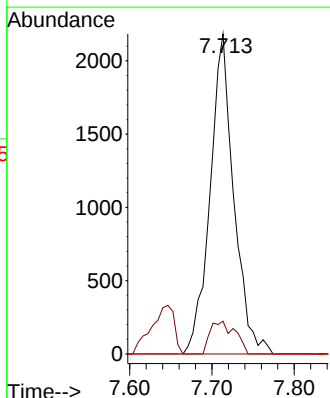
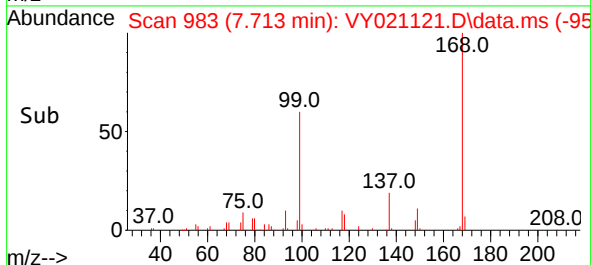
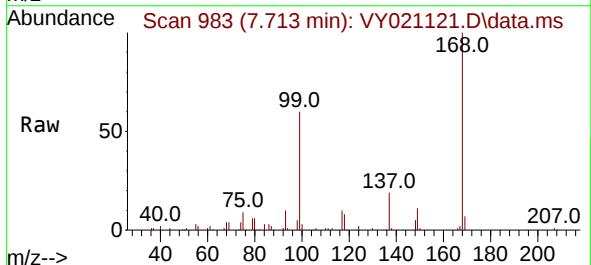


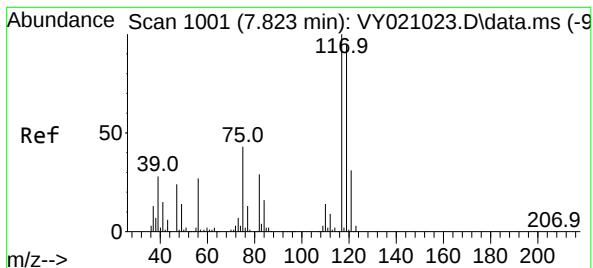
Tgt Ion:113 Resp: 26584
Ion Ratio Lower Upper
113 100
111 100.8 83.8 125.6
192 19.4 14.5 21.7



#36
1,1-Dichloropropene
Concen: 5.396 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY021121.D
Acq: 06 Feb 2025 19:05

Tgt Ion: 75 Resp: 4383
Ion Ratio Lower Upper
75 100
110 10.7 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.953 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

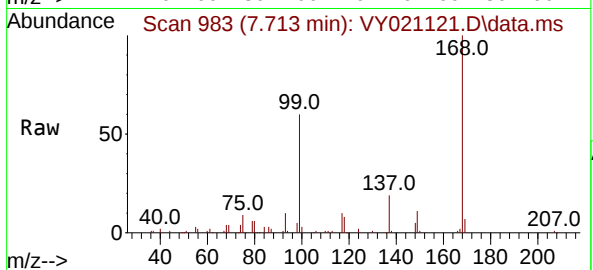
Lab File: VY021121.D

Acq: 06 Feb 2025 19:05

Instrument :

MSVOA_Y

ClientSampleId :



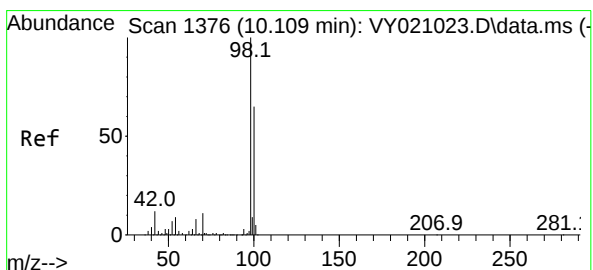
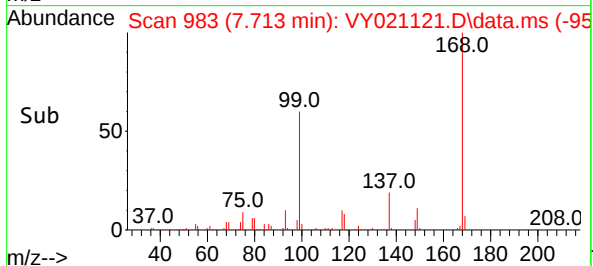
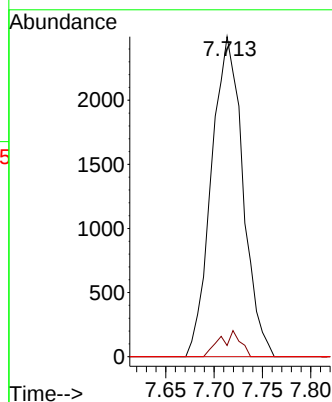
Tgt Ion:117 Resp: 5650

Ion Ratio Lower Upper

117 100

119 3.5 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 46.951 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021121.D

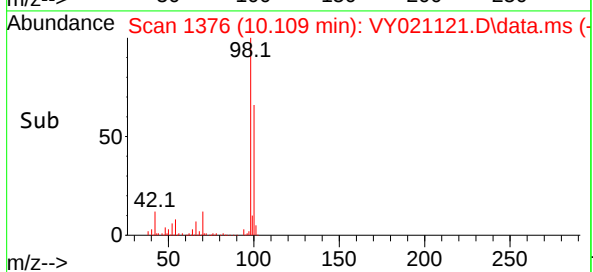
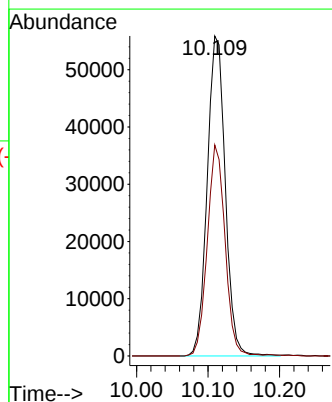
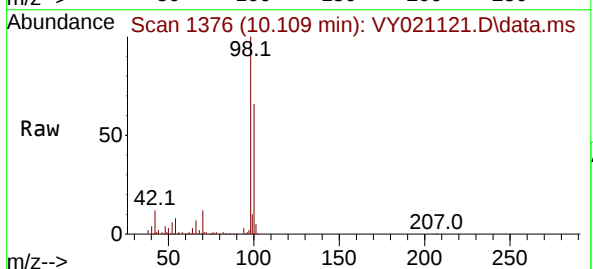
Acq: 06 Feb 2025 19:05

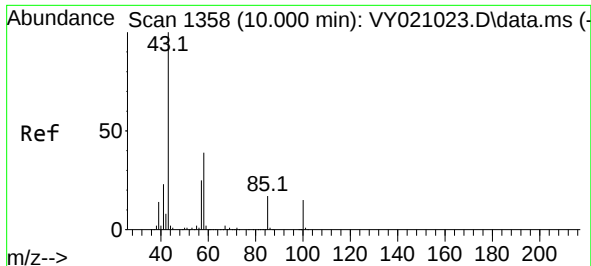
Tgt Ion: 98 Resp: 98027

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5

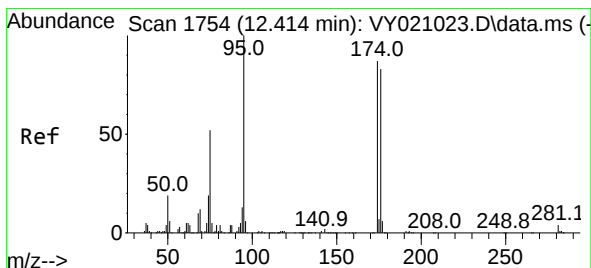
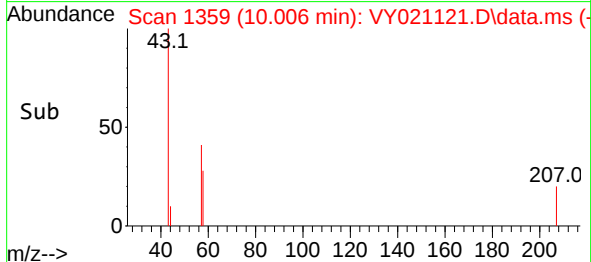
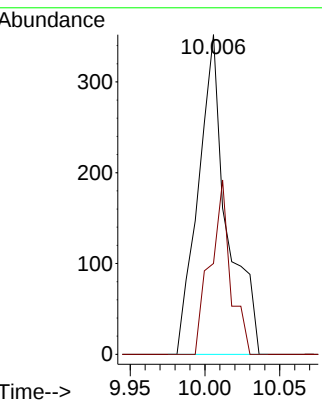
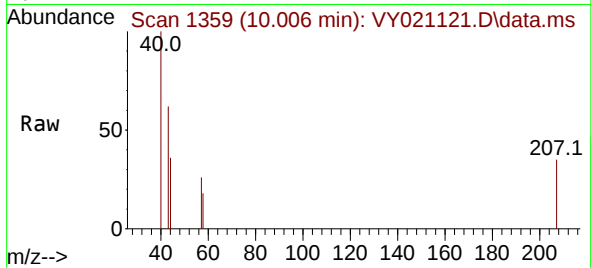




#51
4-Methyl-2-Pentanone
Concen: 1.320 ug/l
RT: 10.006 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021121.D
Acq: 06 Feb 2025 19:05

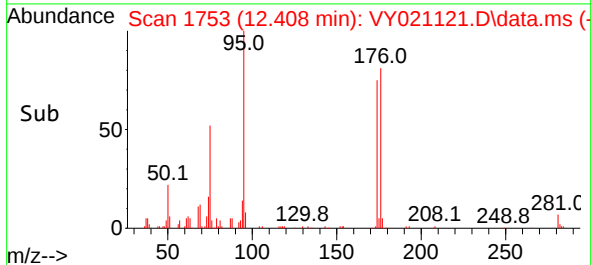
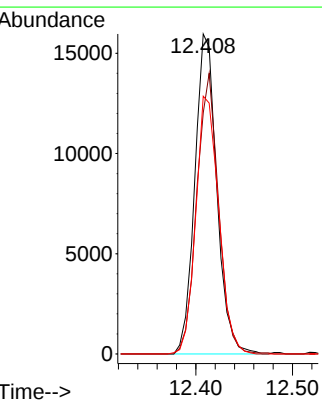
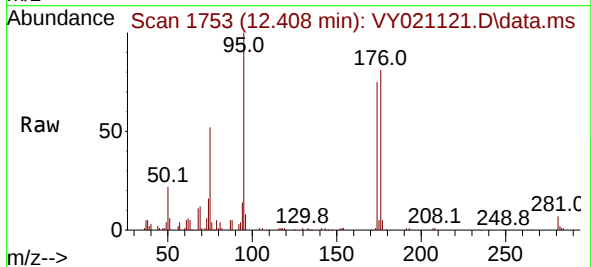
Instrument :
MSVOA_Y
ClientSampleId :

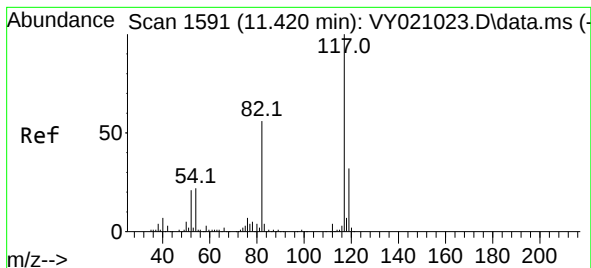
Tgt Ion: 43 Resp: 470
Ion Ratio Lower Upper
43 100
58 38.1 32.2 48.2



#62
4-Bromofluorobenzene
Concen: 36.966 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021121.D
Acq: 06 Feb 2025 19:05

Tgt Ion: 95 Resp: 25214
Ion Ratio Lower Upper
95 100
174 86.6 0.0 160.0
176 84.2 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: VY021121.D

Acq: 06 Feb 2025 19:05

Instrument :

MSVOA_Y

ClientSampleId :

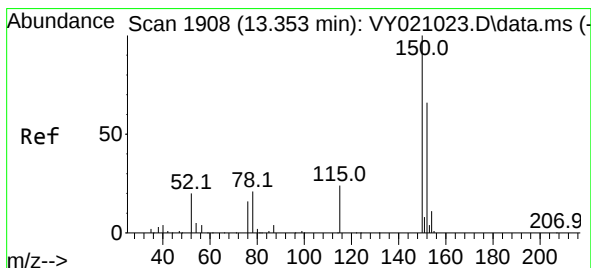
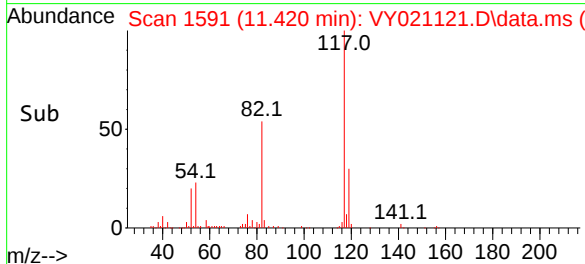
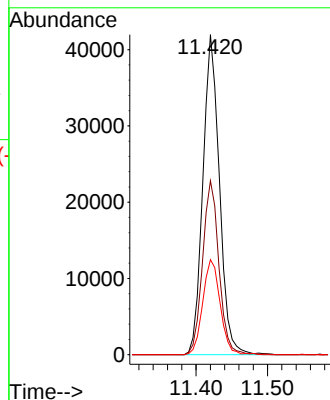
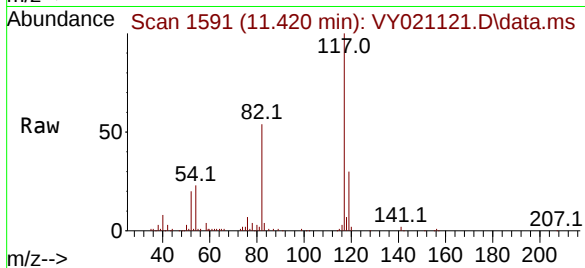
Tgt Ion:117 Resp: 67521

Ion Ratio Lower Upper

117 100

82 54.4 43.8 65.8

119 29.7 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021121.D

Acq: 06 Feb 2025 19:05

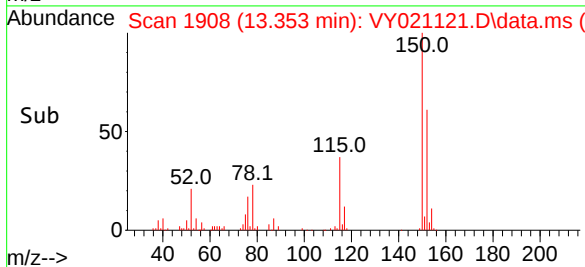
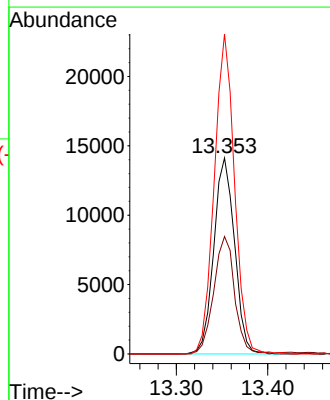
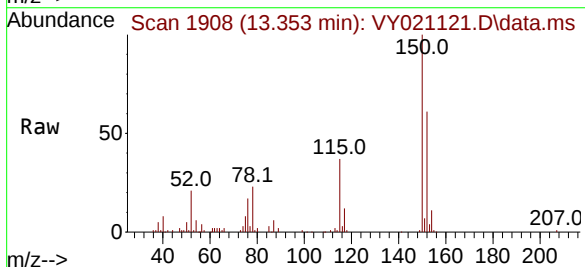
Tgt Ion:152 Resp: 22299

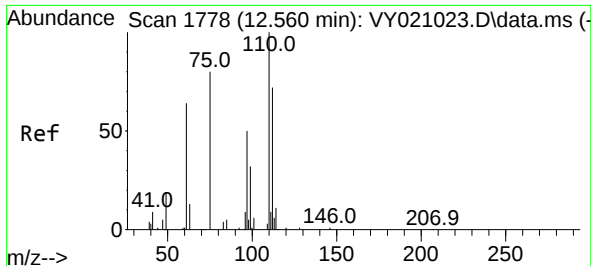
Ion Ratio Lower Upper

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115 60.0 30.0 90.0

150 159.3 0.0 344.6

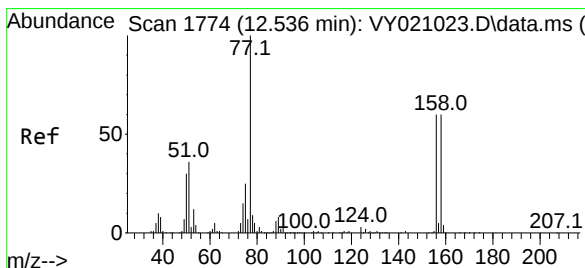
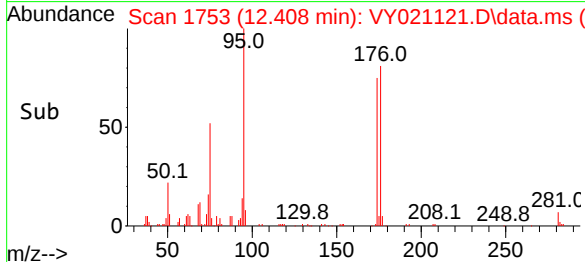
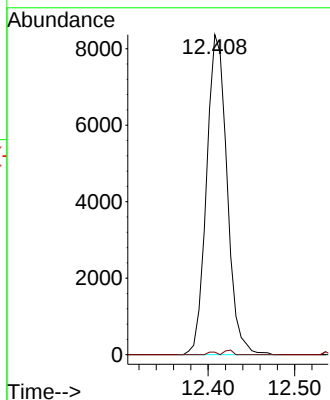
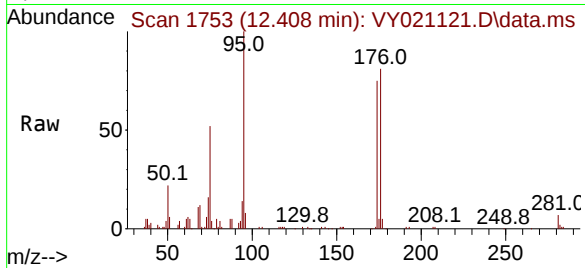




#76
1,2,3-Trichloropropane
Concen: 68.020 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.152 min
Lab File: VY021121.D
Acq: 06 Feb 2025 19:05

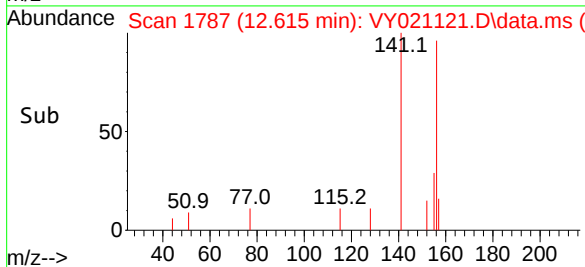
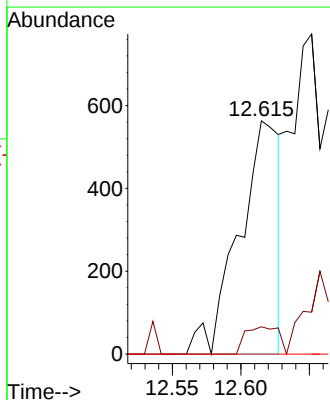
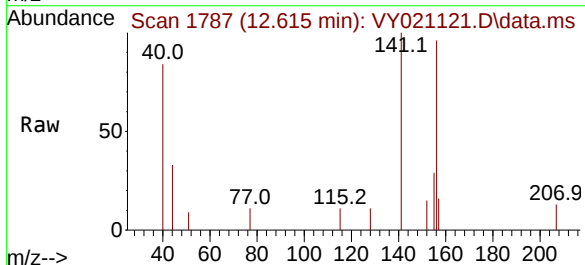
Instrument :
MSVOA_Y
ClientSampleId :

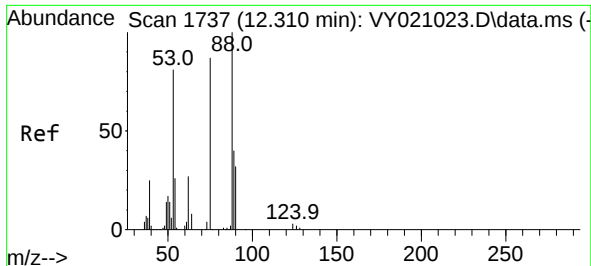
Tgt Ion: 75 Resp: 13759
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#



#77
Bromobenzene
Concen: 2.871 ug/l
RT: 12.615 min Scan# 1787
Delta R.T. 0.079 min
Lab File: VY021121.D
Acq: 06 Feb 2025 19:05

Tgt Ion: 156 Resp: 1154
Ion Ratio Lower Upper
156 100
77 9.6 97.3 291.8#
158 0.0 48.4 145.0#

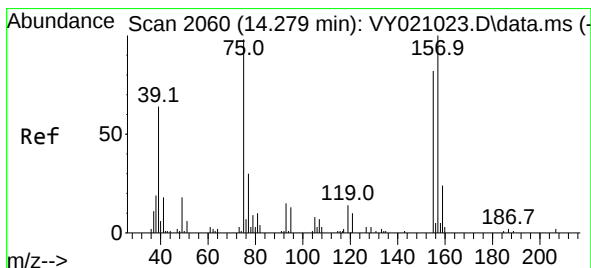
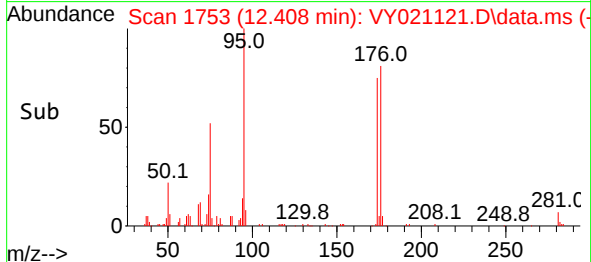
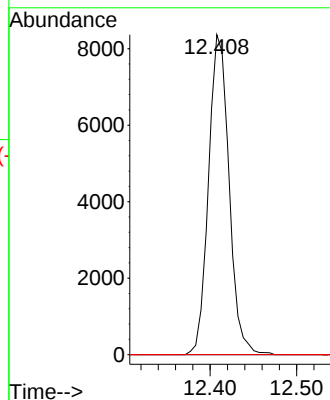
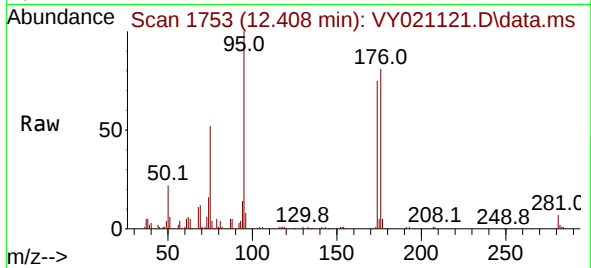




#81
trans-1,4-Dichloro-2-butene
Concen: 138.793 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY021121.D
Acq: 06 Feb 2025 19:05

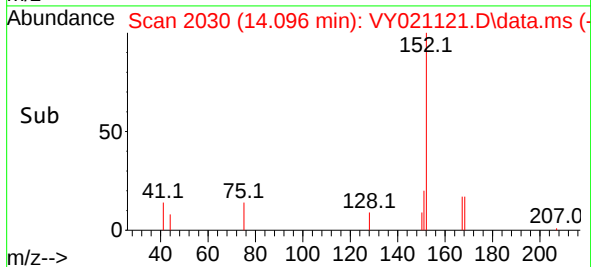
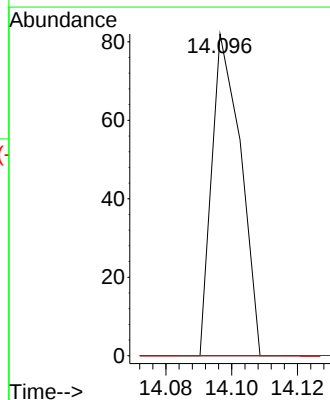
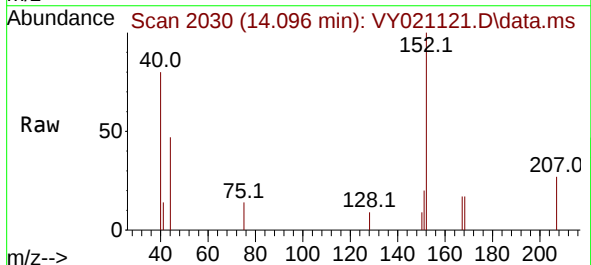
Instrument :
MSVOA_Y
ClientSampleId :

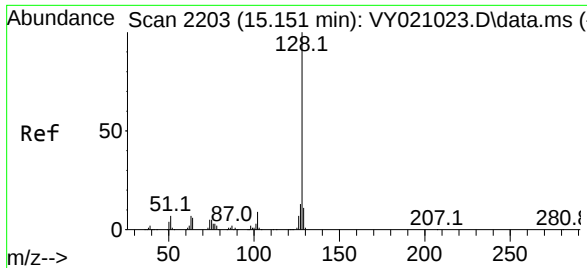
Tgt Ion: 75 Resp: 13759
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.155 ug/l
RT: 14.096 min Scan# 2030
Delta R.T. -0.183 min
Lab File: VY021121.D
Acq: 06 Feb 2025 19:05

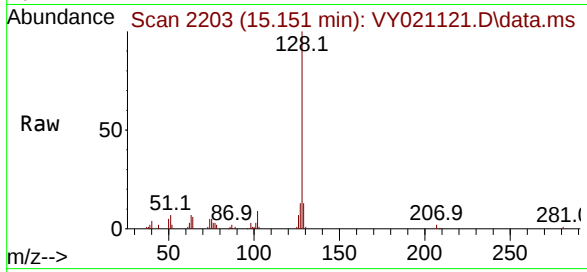
Tgt Ion: 75 Resp: 50
Ion Ratio Lower Upper
75 100
155 0.0 42.1 126.3#
157 0.0 55.8 167.4#





#95
Naphthalene
Concen: 37.124 ug/l
RT: 15.151 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021121.D
Acq: 06 Feb 2025 19:05

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 22271
Ion Ratio Lower Upper
128 100
127 13.9 10.2 15.4
129 12.0 8.6 12.8

