

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012325\
 Data File : VY020920.D
 Acq On : 23 Jan 2025 18:58
 Operator : SY/MD
 Sample : Q1170-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 24 00:21:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 00:38:42 2025
 Response via : Initial Calibration

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

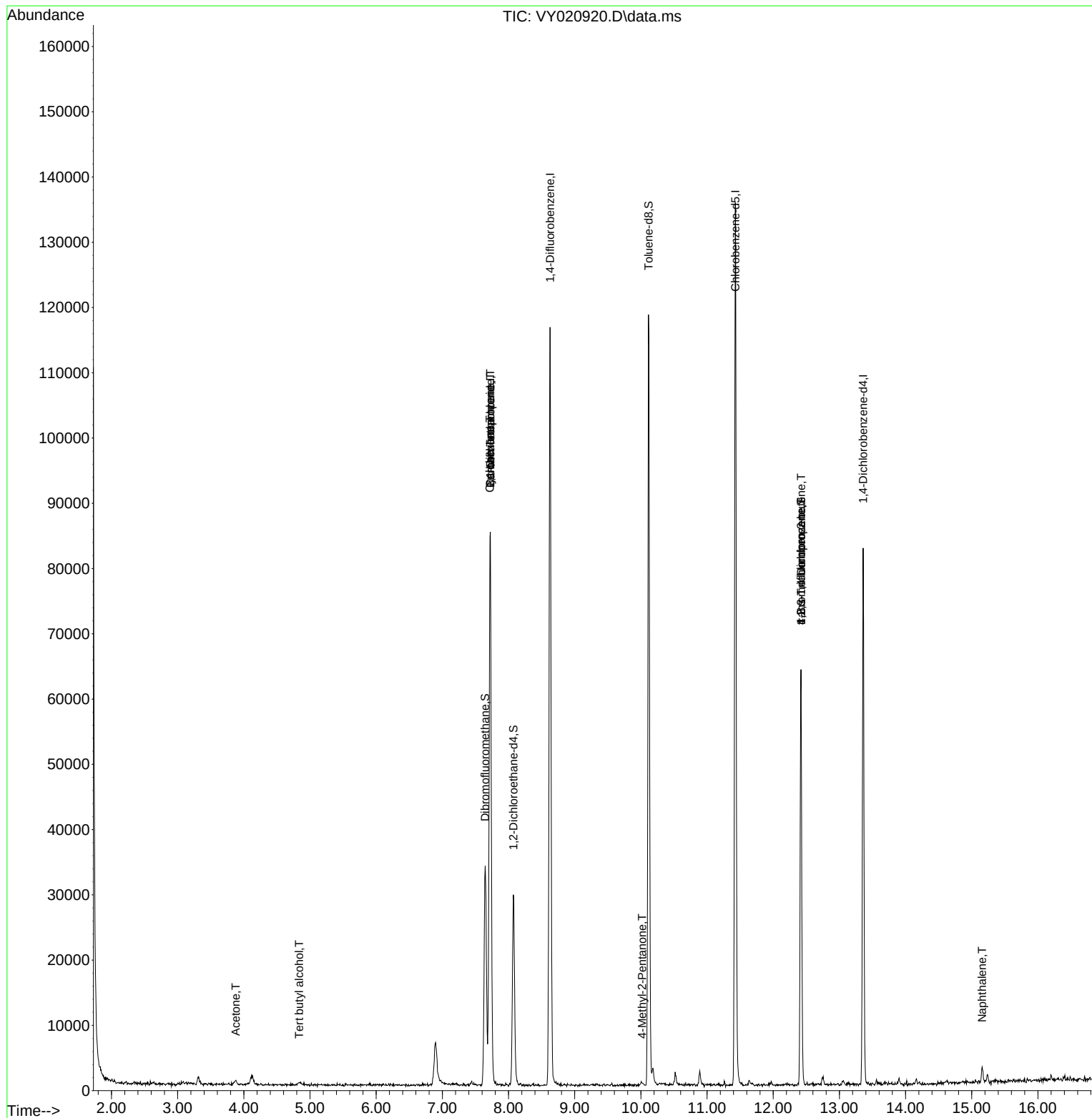
Internal Standards						
1) Pentafluorobenzene	7.726	168	69361	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.628	114	104788	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.426	117	78530	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	22384	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	24234	41.106	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.220%
35) Dibromofluoromethane	7.646	113	25245	38.455	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.900%
50) Toluene-d8	10.115	98	80465	35.160	ug/l	-0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	70.320%
62) 4-Bromofluorobenzene	12.420	95	19848	23.486	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	46.980%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	273	6.128	ug/l #	73
16) Acetone	3.879	43	1245	14.851	ug/l	95
31) Cyclohexane	7.720	56	1257	1.465	ug/l #	25
36) 1,1-Dichloropropene	7.726	75	4754	5.677	ug/l #	50
38) Carbon Tetrachloride	7.726	117	6687	5.737	ug/l #	15
51) 4-Methyl-2-Pentanone	10.018	43	584	1.725	ug/l #	79
76) 1,2,3-Trichloropropane	12.420	75	9906	50.578	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.420	75	9906	106.646	ug/l #	14
95) Naphthalene	15.157	128	2291	3.477	ug/l #	93

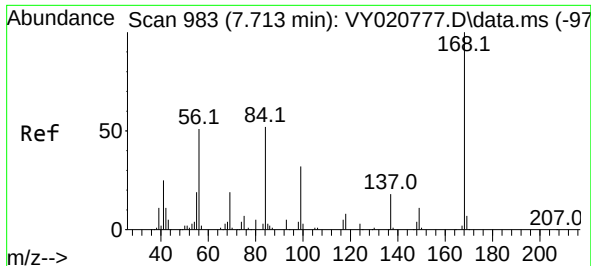
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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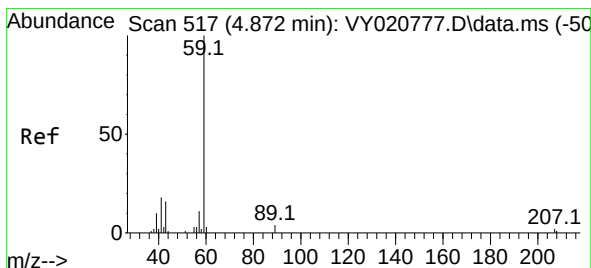
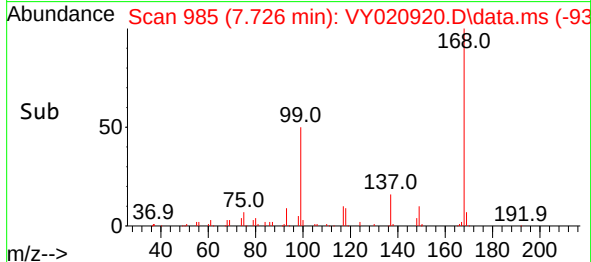
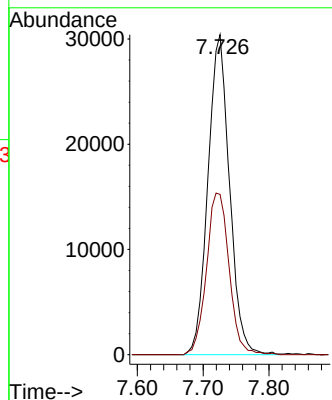
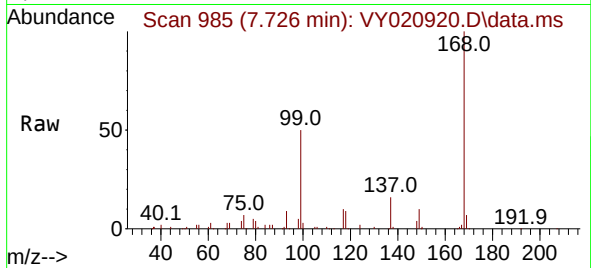




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.726 min Scan# 91
Delta R.T. -0.011 min
Lab File: VY020920.D
Acq: 23 Jan 2025 18:58

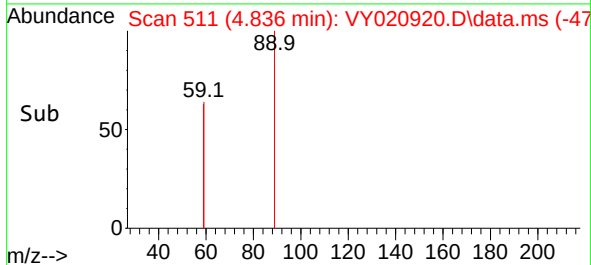
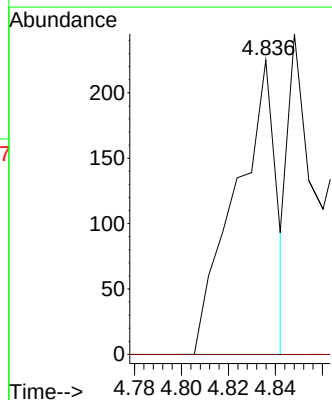
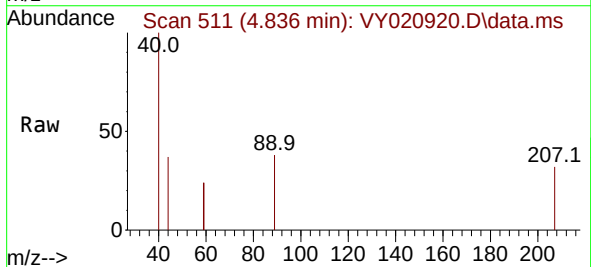
Instrument :
MSVOA_Y
ClientSampleId :

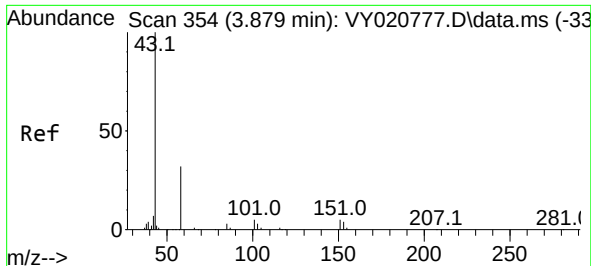
Tgt Ion:168 Resp: 69361
Ion Ratio Lower Upper
168 100
99 50.1 44.3 66.5



#11
Tert butyl alcohol
Concen: 6.128 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.091 min
Lab File: VY020920.D
Acq: 23 Jan 2025 18:58

Tgt Ion: 59 Resp: 273
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

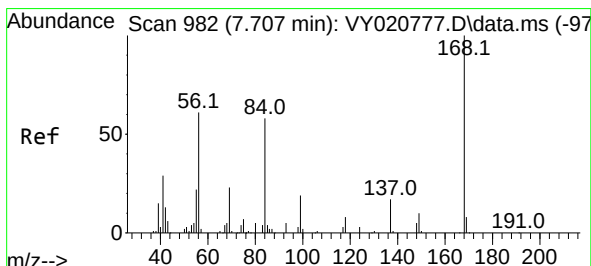
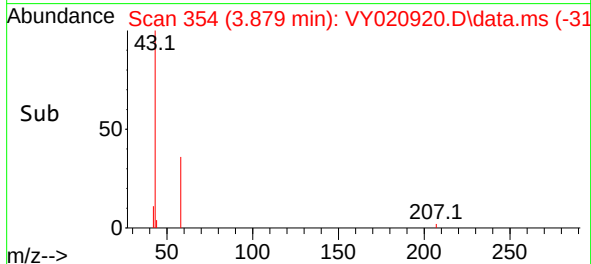
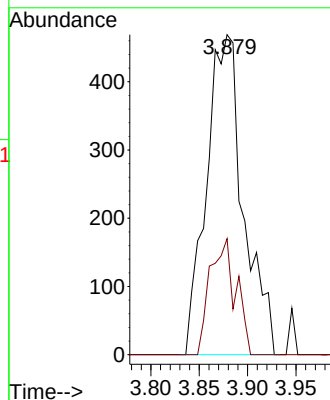
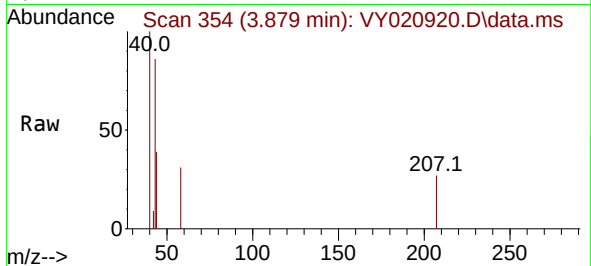




#16
Acetone
Concen: 14.851 ug/l
RT: 3.879 min Scan# 31
Delta R.T. -0.036 min
Lab File: VY020920.D
Acq: 23 Jan 2025 18:58

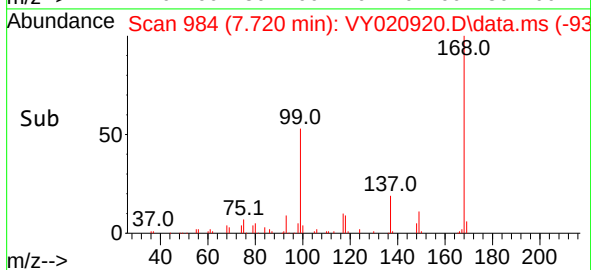
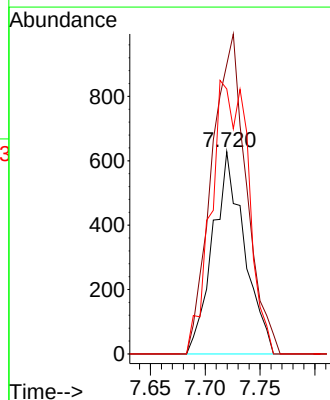
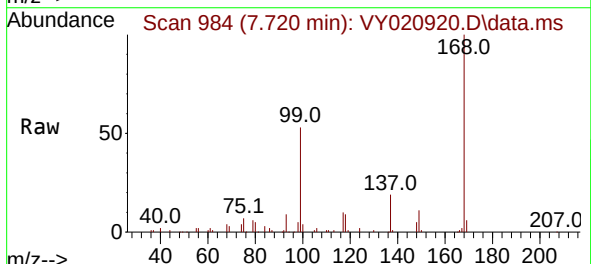
Instrument :
MSVOA_Y
ClientSampleId :

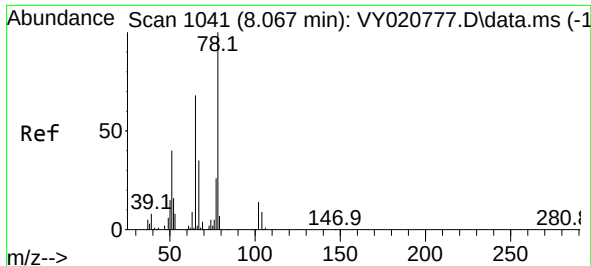
Tgt Ion: 43 Resp: 1245
Ion Ratio Lower Upper
43 100
58 36.2 26.7 40.1



#31
Cyclohexane
Concen: 1.465 ug/l
RT: 7.720 min Scan# 984
Delta R.T. -0.018 min
Lab File: VY020920.D
Acq: 23 Jan 2025 18:58

Tgt Ion: 56 Resp: 1257
Ion Ratio Lower Upper
56 100
69 143.2 30.5 45.7#
84 131.1 76.6 115.0#





#33

1,2-Dichloroethane-d4

Concen: 41.106 ug/l

RT: 8.073 min Scan# 1041

Delta R.T. -0.018 min

Lab File: VY020920.D

Acq: 23 Jan 2025 18:58

Instrument :

MSVOA_Y

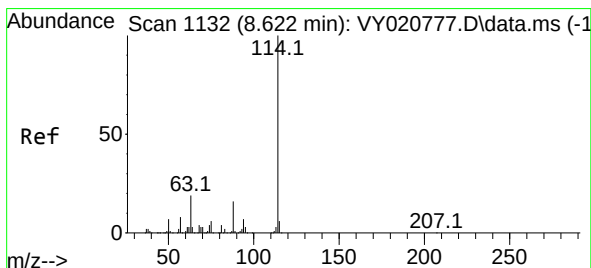
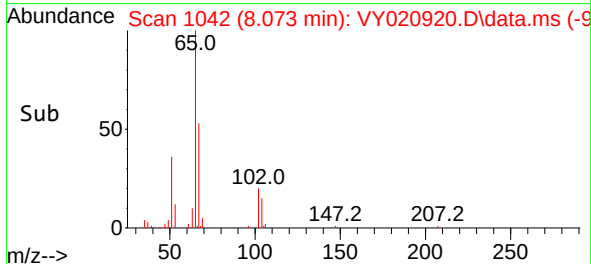
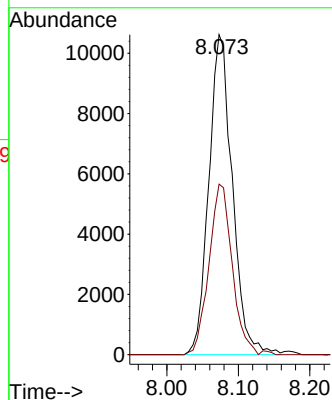
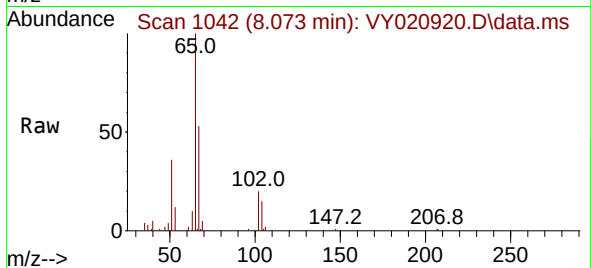
ClientSampleId :

Tgt Ion: 65 Resp: 24234

Ion Ratio Lower Upper

65 100

67 52.5 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. -0.012 min

Lab File: VY020920.D

Acq: 23 Jan 2025 18:58

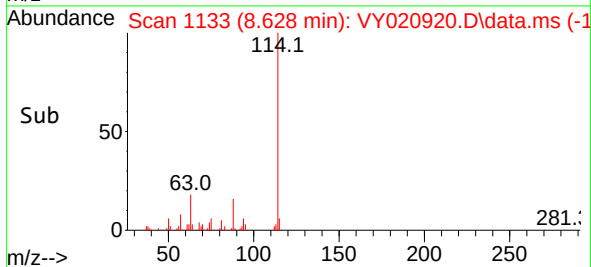
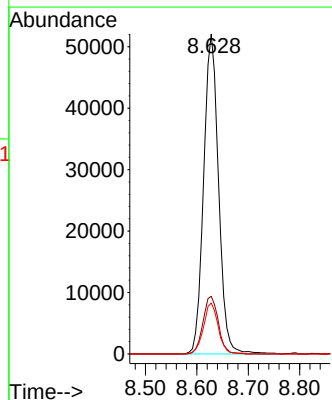
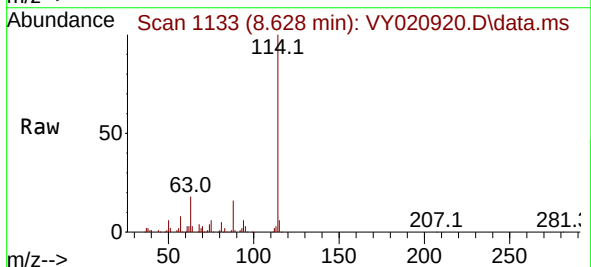
Tgt Ion:114 Resp: 104788

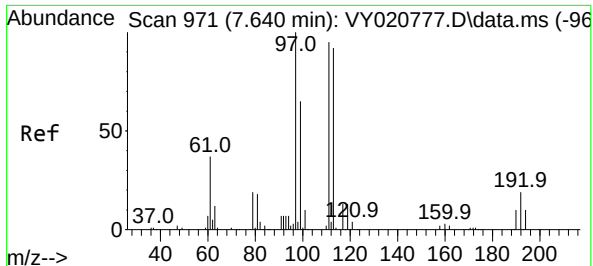
Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.4

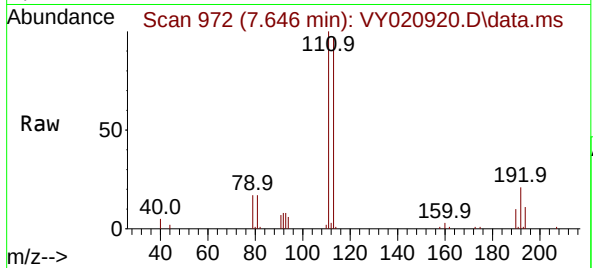
88 15.9 0.0 31.2



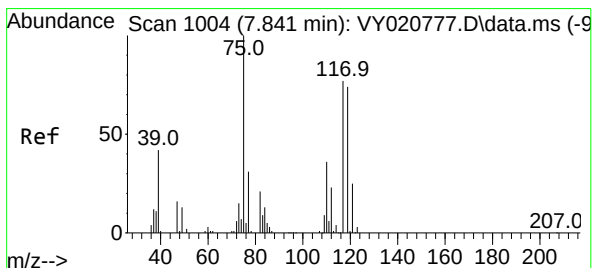
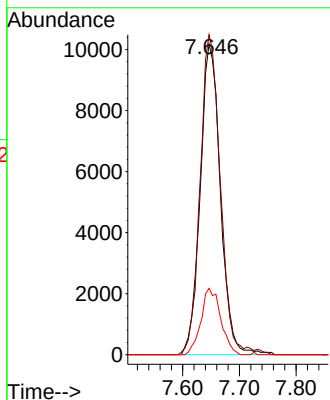
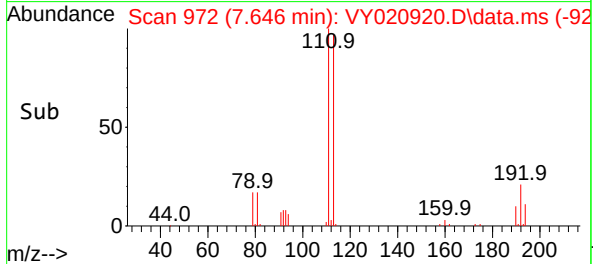


#35
Dibromofluoromethane
Concen: 38.455 ug/l
RT: 7.646 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY020920.D
Acq: 23 Jan 2025 18:58

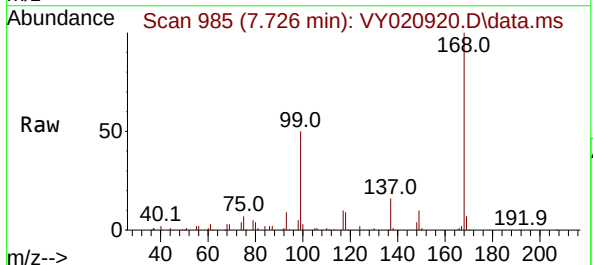
Instrument :
MSVOA_Y
ClientSampleId :



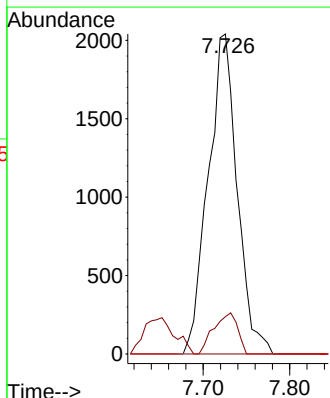
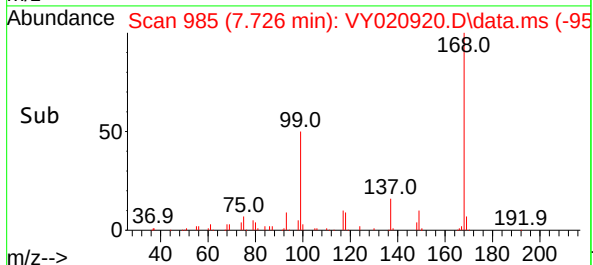
Tgt Ion:113 Resp: 25245
Ion Ratio Lower Upper
113 100
111 102.8 81.7 122.5
192 20.9 16.7 25.1

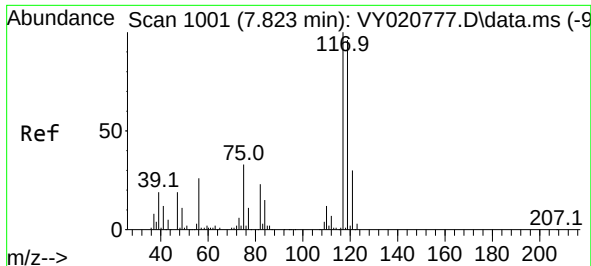


#36
1,1-Dichloropropene
Concen: 5.677 ug/l
RT: 7.726 min Scan# 985
Delta R.T. -0.140 min
Lab File: VY020920.D
Acq: 23 Jan 2025 18:58



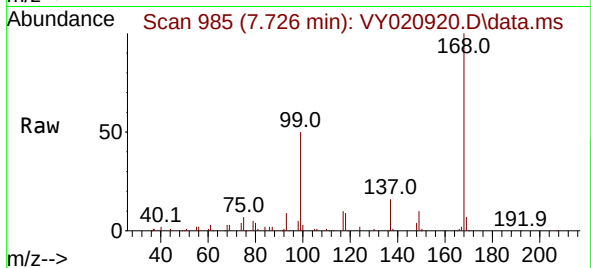
Tgt Ion: 75 Resp: 4754
Ion Ratio Lower Upper
75 100
110 10.6 18.5 55.5#
77 0.0 25.0 37.4#



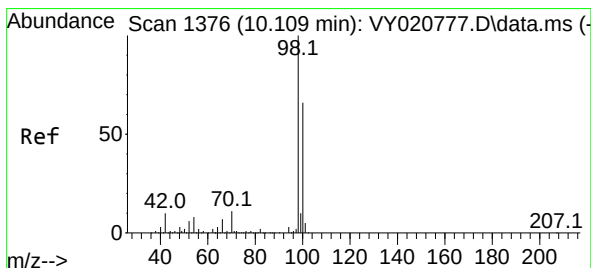
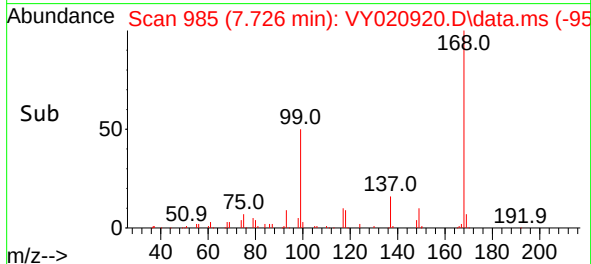
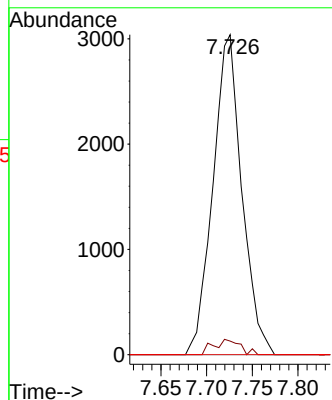


#38
Carbon Tetrachloride
Concen: 5.737 ug/l
RT: 7.726 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY020920.D
Acq: 23 Jan 2025 18:58

Instrument :
MSVOA_Y
ClientSampleId :

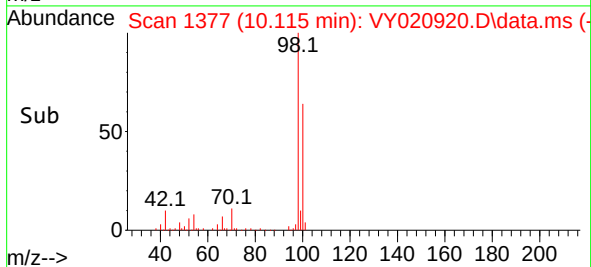
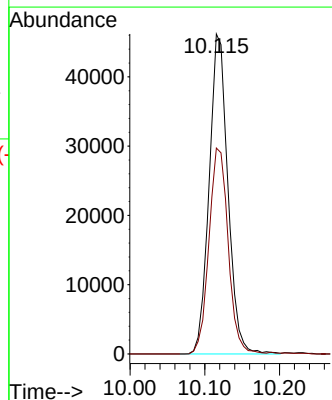
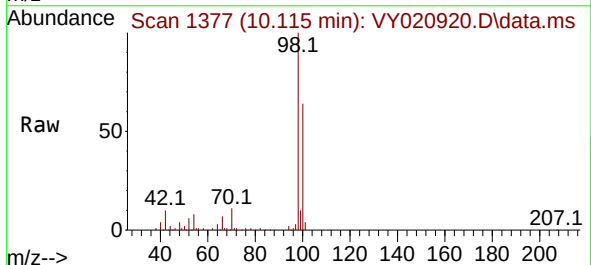


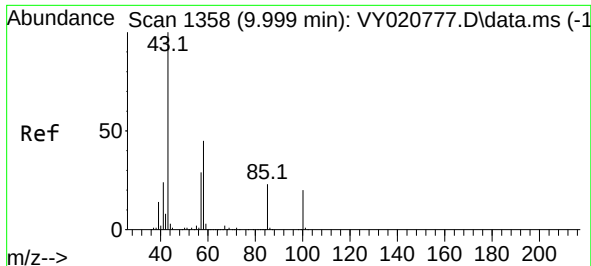
Tgt Ion:117 Resp: 6687
Ion Ratio Lower Upper
117 100
119 4.3 76.5 114.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 35.160 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. -0.018 min
Lab File: VY020920.D
Acq: 23 Jan 2025 18:58

Tgt Ion: 98 Resp: 80465
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 1.725 ug/l

RT: 10.018 min Scan# 1361

Delta R.T. 0.000 min

Lab File: VY020920.D

Acq: 23 Jan 2025 18:58

Instrument :

MSVOA_Y

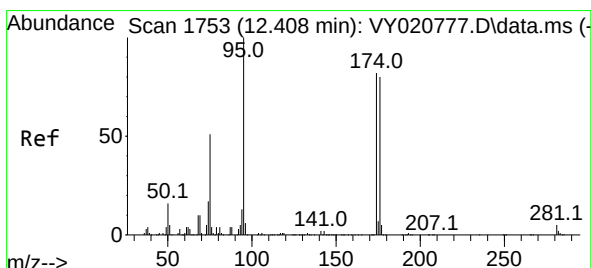
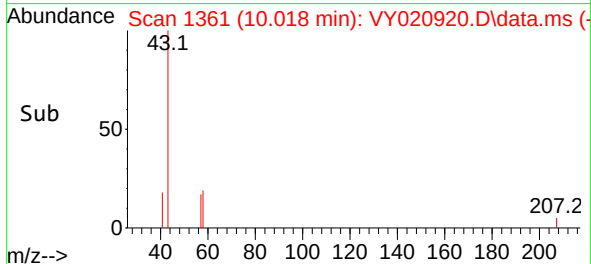
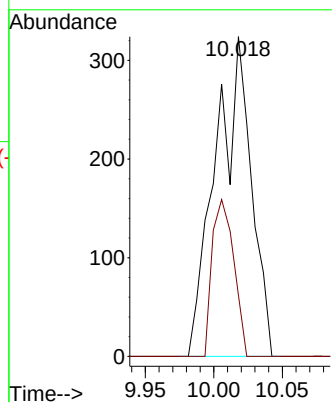
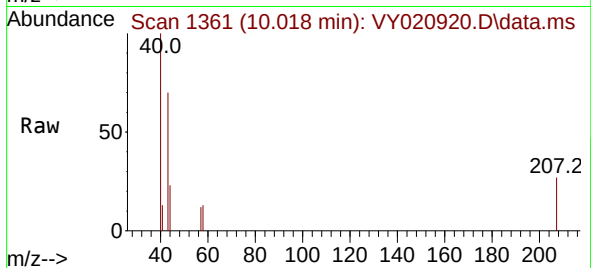
ClientSampleId :

Tgt Ion: 43 Resp: 584

Ion Ratio Lower Upper

43 100

58 29.8 34.8 52.2#



#62

4-Bromofluorobenzene

Concen: 23.486 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. -0.006 min

Lab File: VY020920.D

Acq: 23 Jan 2025 18:58

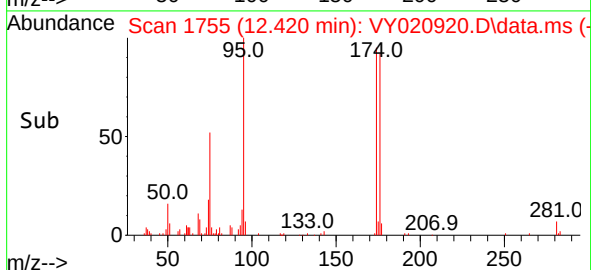
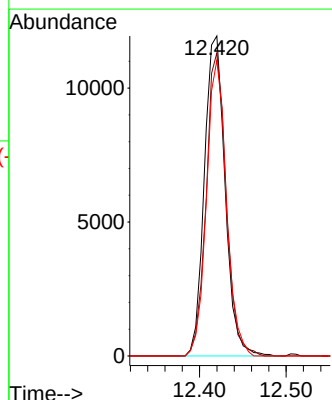
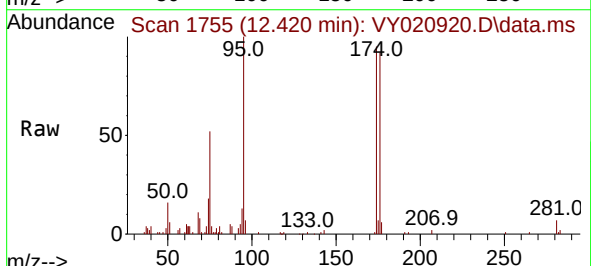
Tgt Ion: 95 Resp: 19848

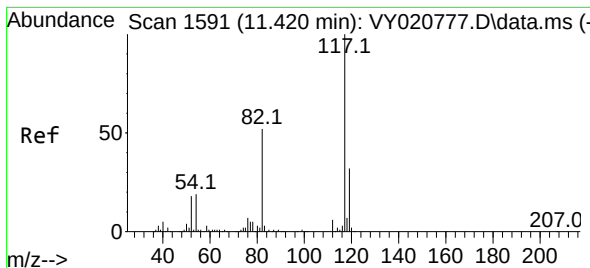
Ion Ratio Lower Upper

95 100

174 91.9 0.0 178.0

176 88.5 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. -0.012 min

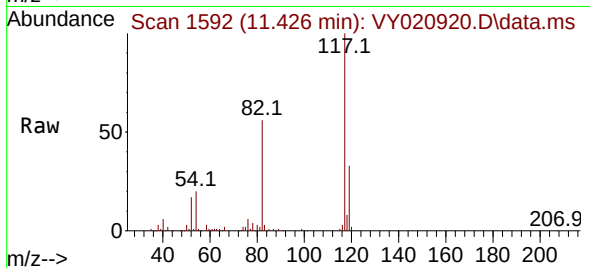
Lab File: VY020920.D

Acq: 23 Jan 2025 18:58

Instrument :

MSVOA_Y

ClientSampleId :



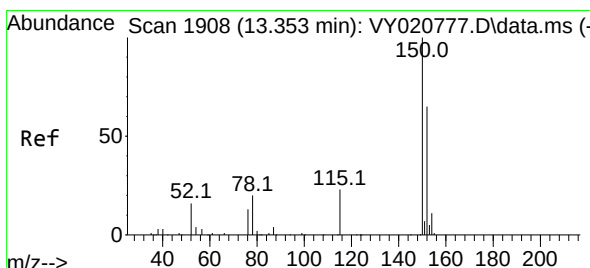
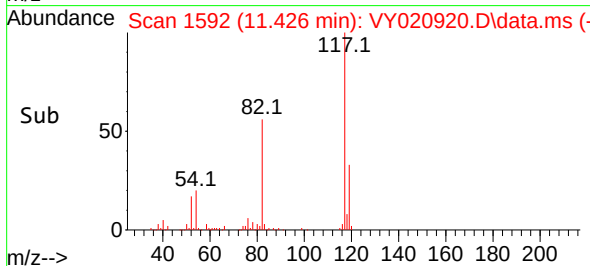
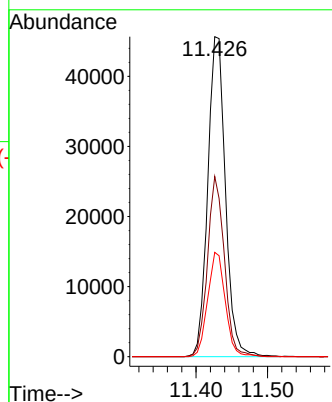
Tgt Ion:117 Resp: 78530

Ion Ratio Lower Upper

117 100

82 56.3 41.8 62.6

119 32.6 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. -0.012 min

Lab File: VY020920.D

Acq: 23 Jan 2025 18:58

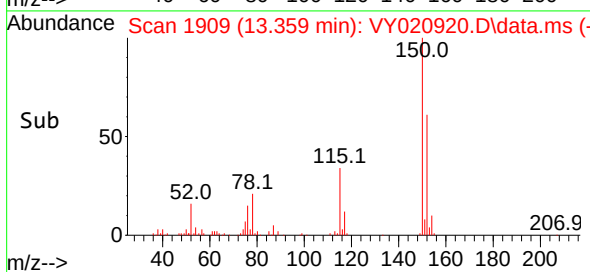
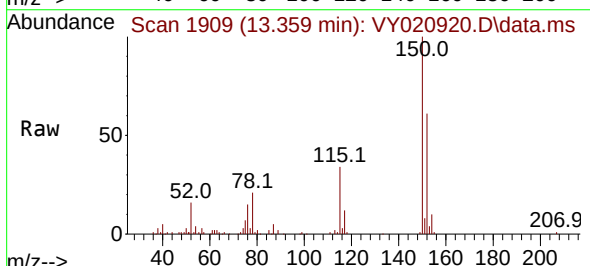
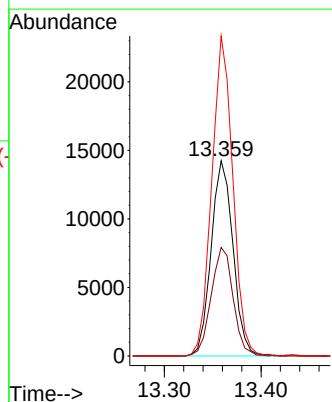
Tgt Ion:152 Resp: 22384

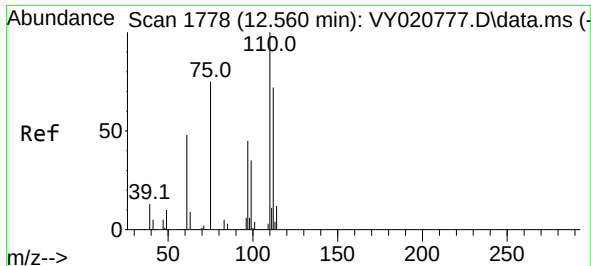
Ion Ratio Lower Upper

152 100

115 55.6 29.0 87.0

150 157.7 0.0 347.4

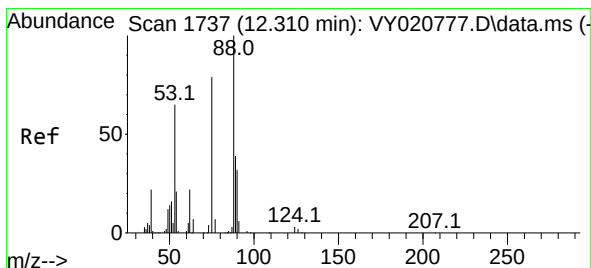
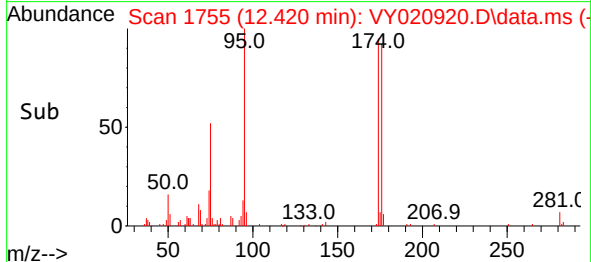
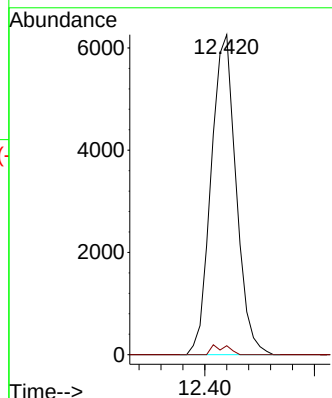
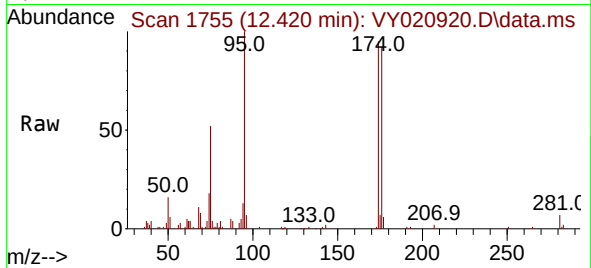




#76
1,2,3-Trichloropropane
Concen: 50.578 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. -0.158 min
Lab File: VY020920.D
Acq: 23 Jan 2025 18:58

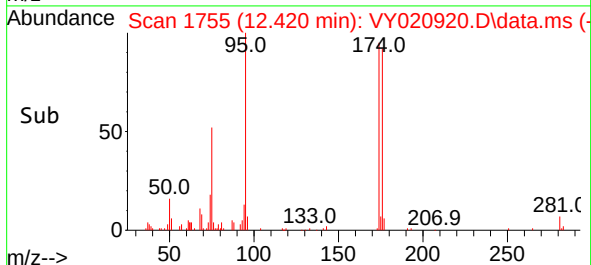
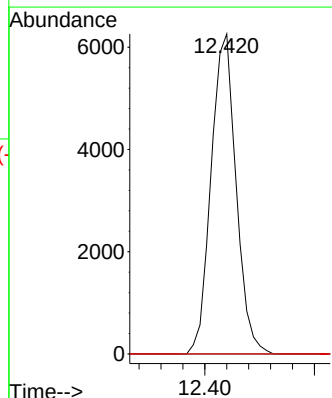
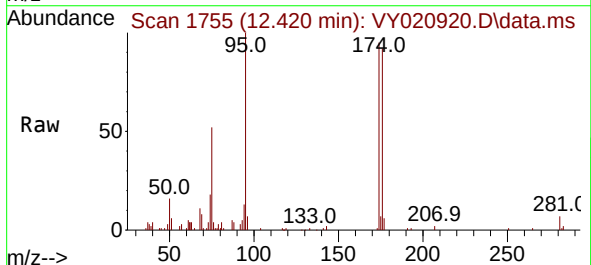
Instrument :
MSVOA_Y
ClientSampleId :

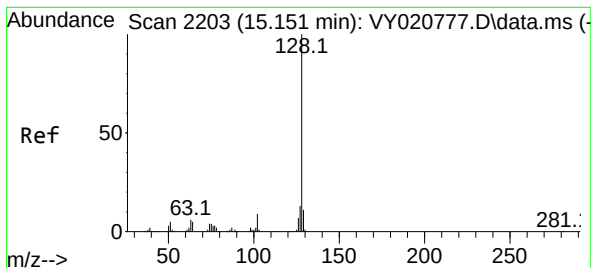
Tgt Ion: 75 Resp: 9906
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.646 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.092 min
Lab File: VY020920.D
Acq: 23 Jan 2025 18:58

Tgt Ion: 75 Resp: 9906
Ion Ratio Lower Upper
75 100
53 0.0 69.4 104.0#
89 0.0 39.6 59.4#





#95

Naphthalene

Concen: 3.477 ug/l

RT: 15.157 min Scan# 21

Delta R.T. -0.012 min

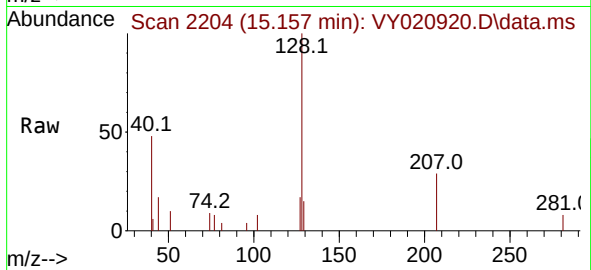
Lab File: VY020920.D

Acq: 23 Jan 2025 18:58

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 2291

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 16.8 8.6 12.8#

