

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013025\
 Data File : VY020996.D
 Acq On : 30 Jan 2025 19:13
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 31 04:44:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 02:19:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	163101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	276778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	246785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	100181	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	86944	62.610	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	125.220%
35) Dibromofluoromethane	7.640	113	90403	54.331	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.660%
50) Toluene-d8	10.109	98	325322	50.092	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.180%
62) 4-Bromofluorobenzene	12.408	95	101354	46.509	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	93.020%

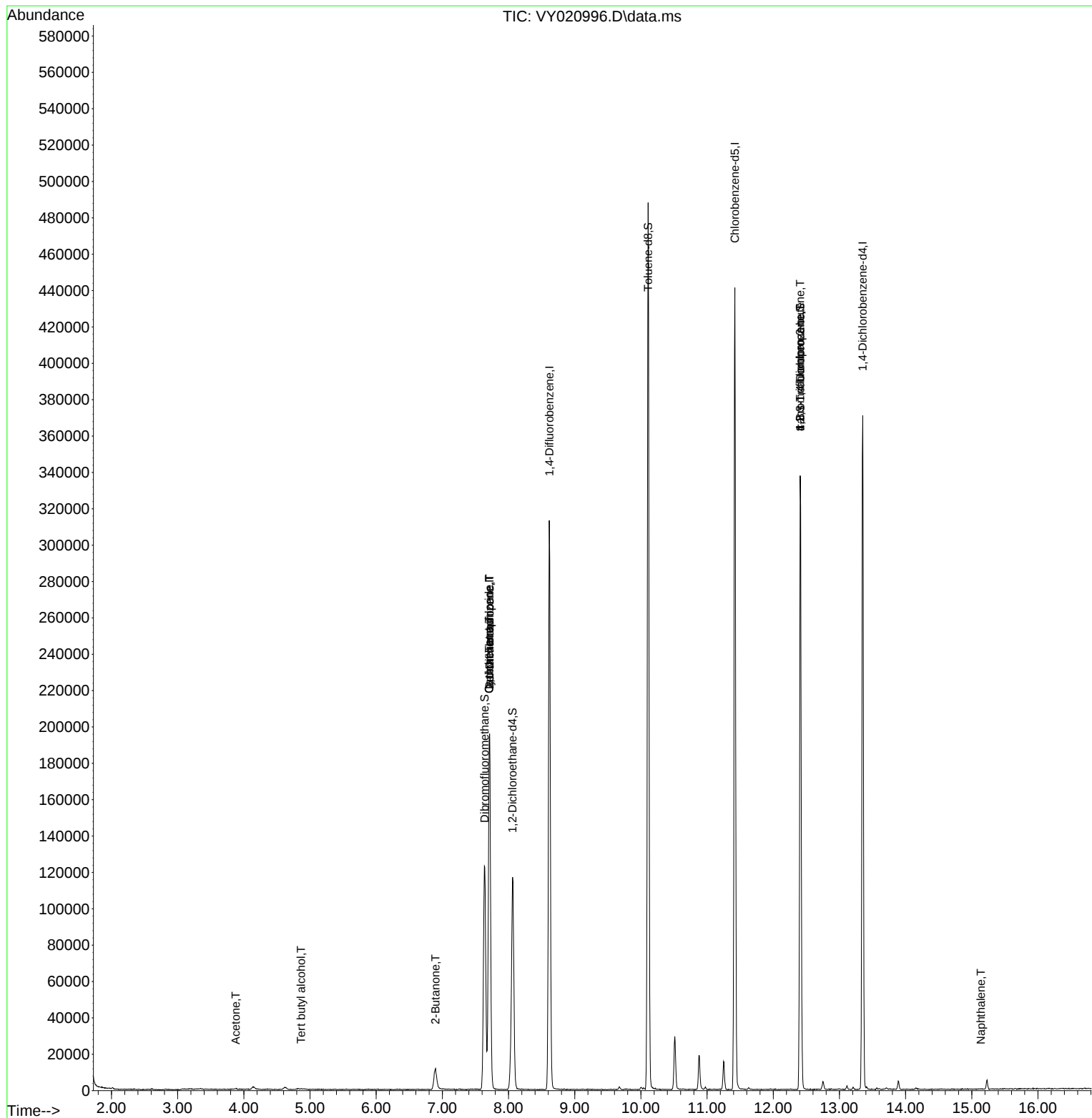
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.866	59	509	5.018	ug/l #	73
16) Acetone	3.879	43	662	3.498	ug/l	96
25) 2-Butanone	6.896	43	630	1.962	ug/l #	44
31) Cyclohexane	7.707	56	2597	1.063	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	10829	4.562	ug/l #	50
38) Carbon Tetrachloride	7.707	117	15419	5.249	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	51578	65.037	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	51578	135.005	ug/l #	15
95) Naphthalene	15.139	128	57	4.009	ug/l #	69

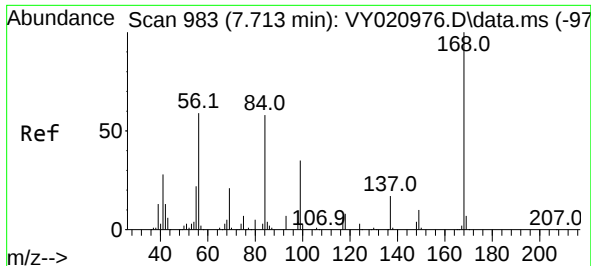
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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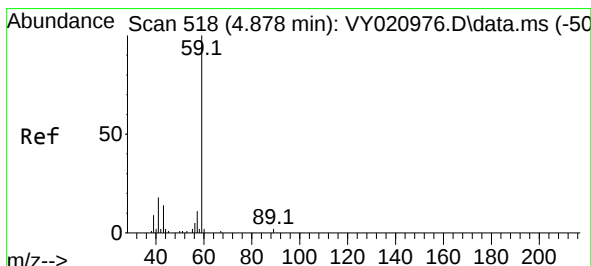
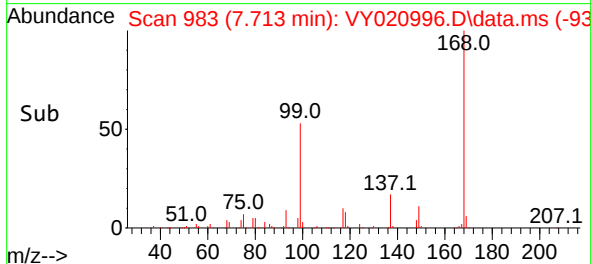
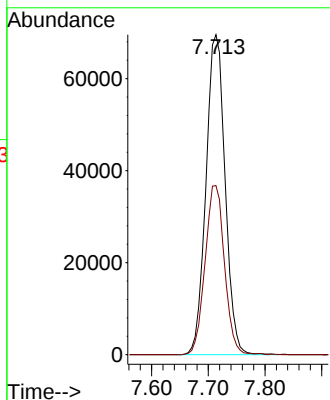
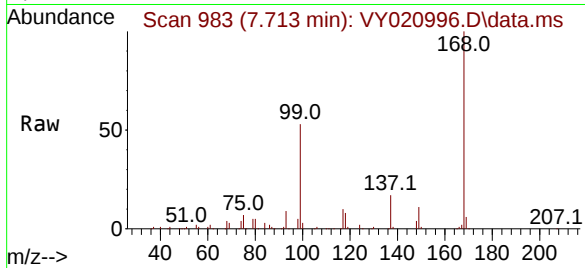




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.000 min
Lab File: VY020996.D
Acq: 30 Jan 2025 19:13

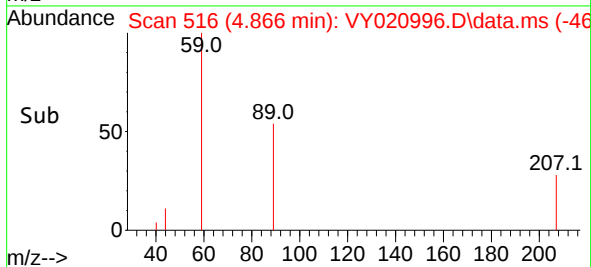
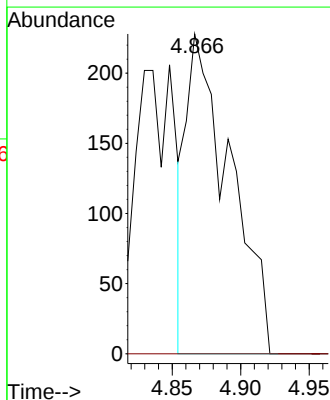
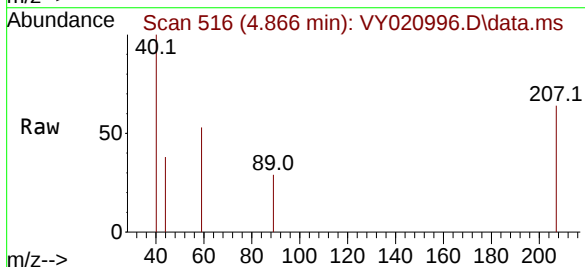
Instrument :
MSVOA_Y
ClientSampleId :

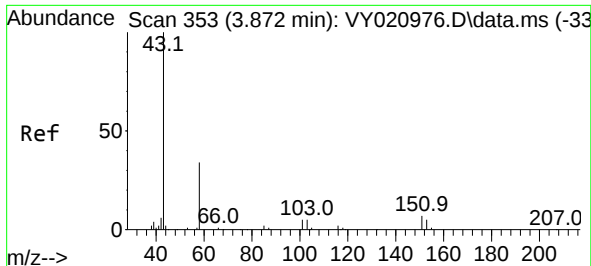
Tgt Ion:168 Resp: 163101
Ion Ratio Lower Upper
168 100
99 52.8 42.2 63.2



#11
Tert butyl alcohol
Concen: 5.018 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY020996.D
Acq: 30 Jan 2025 19:13

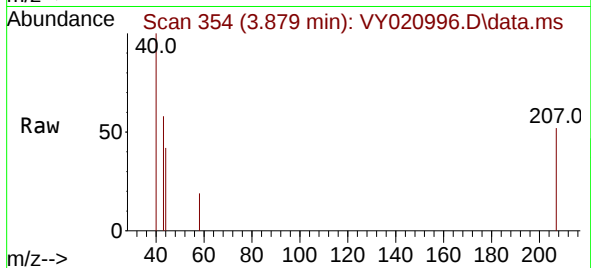
Tgt Ion: 59 Resp: 509
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



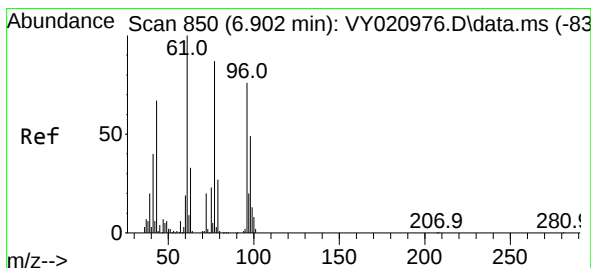
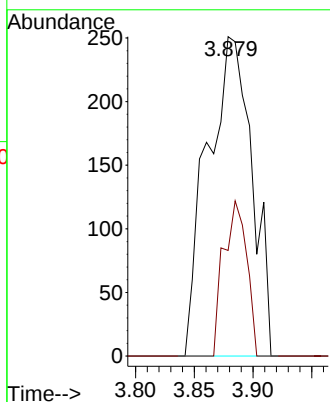
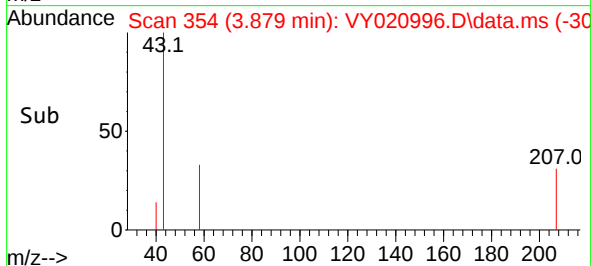


#16
Acetone
Concen: 3.498 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.007 min
Lab File: VY020996.D
Acq: 30 Jan 2025 19:13

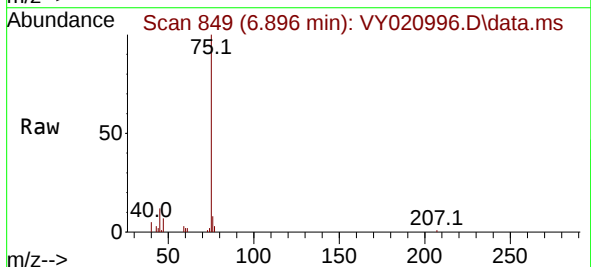
Instrument :
MSVOA_Y
ClientSampleId :



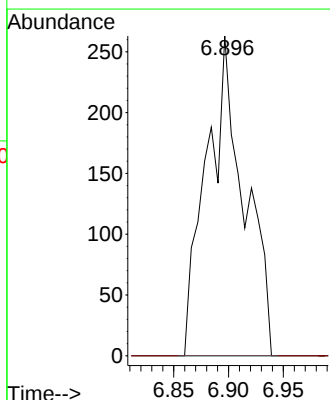
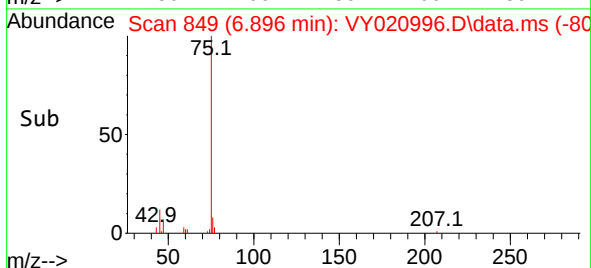
Tgt Ion: 43 Resp: 662
Ion Ratio Lower Upper
43 100
58 33.1 28.4 42.6

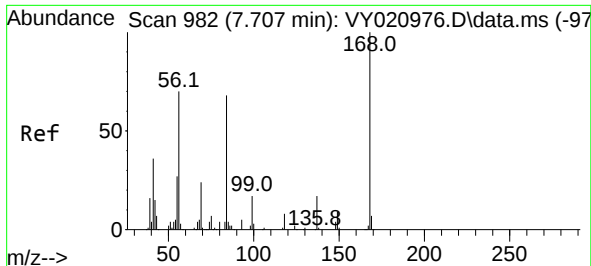


#25
2-Butanone
Concen: 1.962 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020996.D
Acq: 30 Jan 2025 19:13



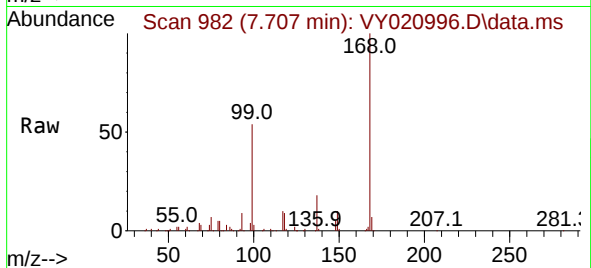
Tgt Ion: 43 Resp: 630
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#



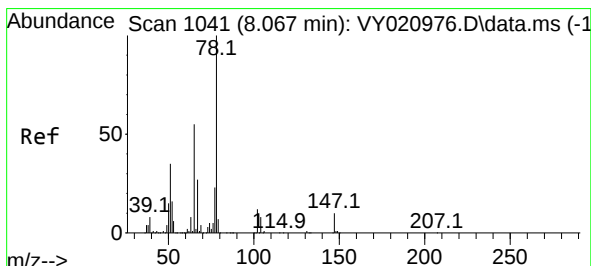
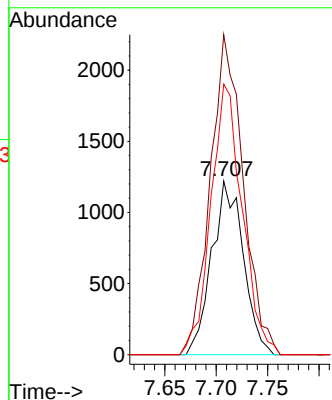
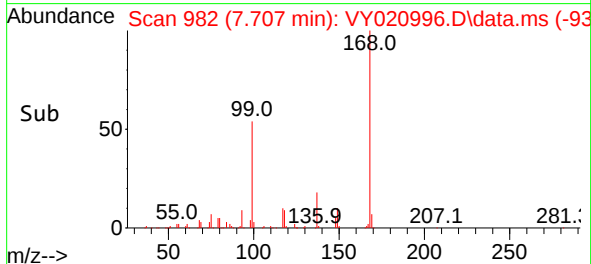


#31
Cyclohexane
Concen: 1.063 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020996.D
Acq: 30 Jan 2025 19:13

Instrument :
MSVOA_Y
ClientSampleId :

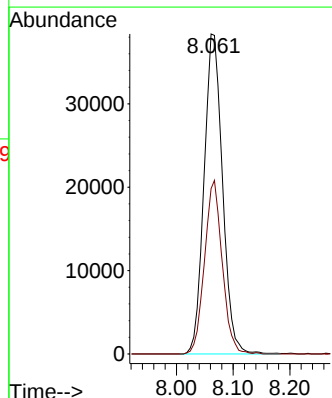
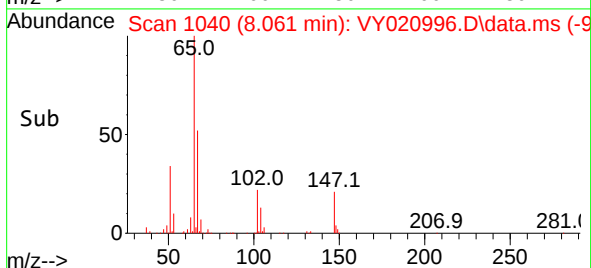
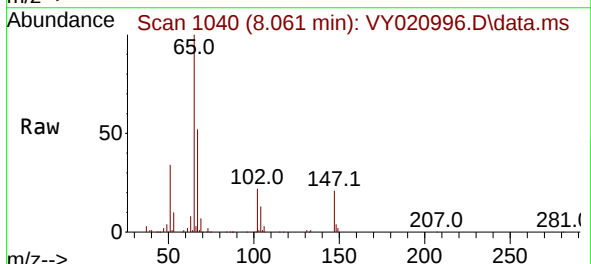


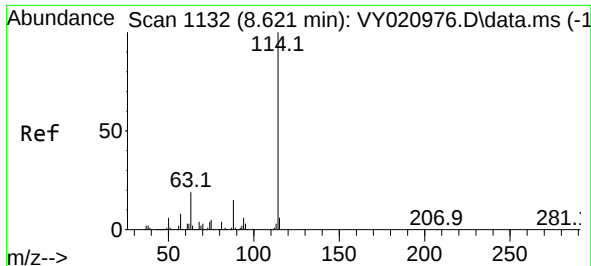
Tgt Ion: 56 Resp: 2597
Ion Ratio Lower Upper
56 100
69 184.3 27.7 41.5#
84 155.8 77.5 116.3#



#33
1,2-Dichloroethane-d4
Concen: 62.610 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY020996.D
Acq: 30 Jan 2025 19:13

Tgt Ion: 65 Resp: 86944
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY020996.D

Acq: 30 Jan 2025 19:13

Instrument :

MSVOA_Y

ClientSampleId :

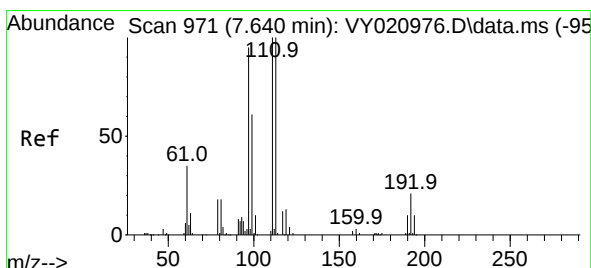
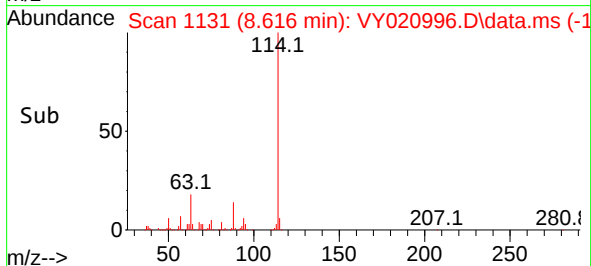
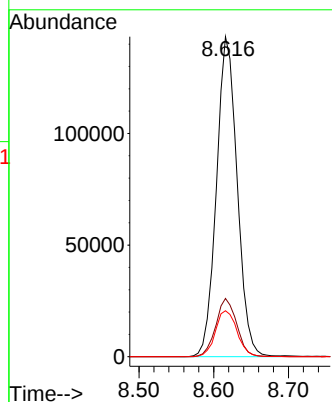
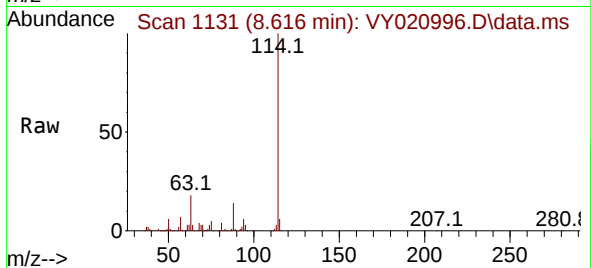
Tgt Ion:114 Resp: 276778

Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.2

88 14.3 0.0 29.6



#35

Dibromofluoromethane

Concen: 54.331 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.000 min

Lab File: VY020996.D

Acq: 30 Jan 2025 19:13

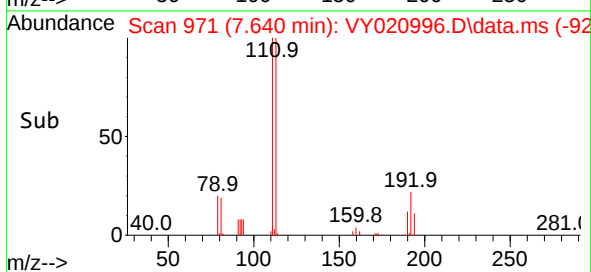
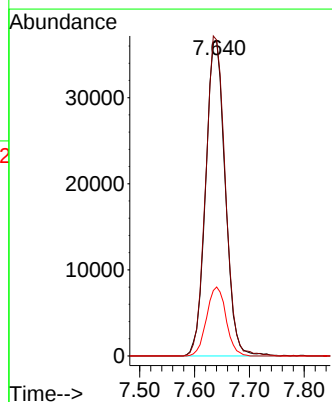
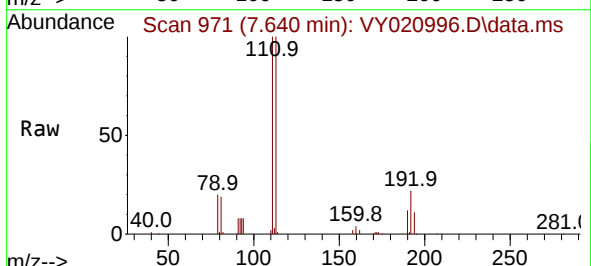
Tgt Ion:113 Resp: 90403

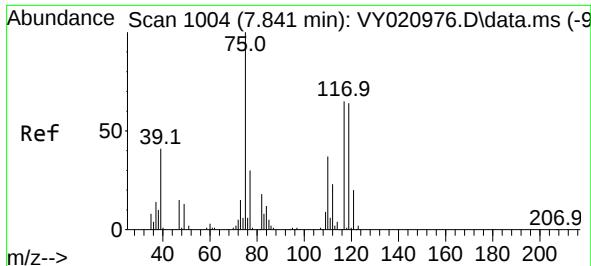
Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

192 21.8 16.8 25.2

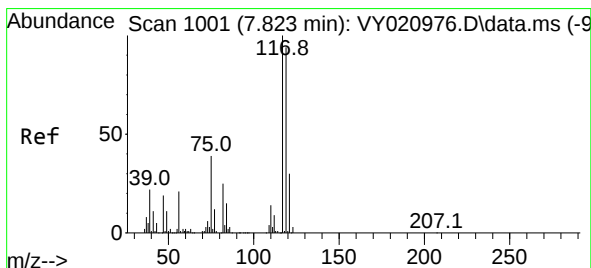
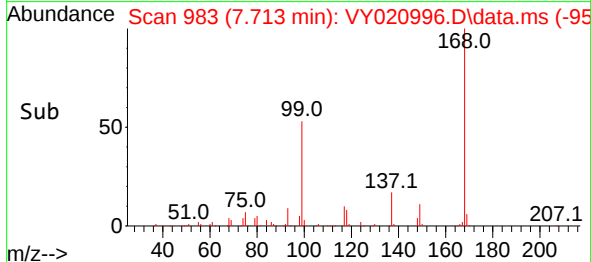
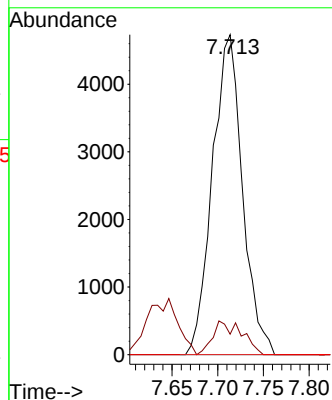
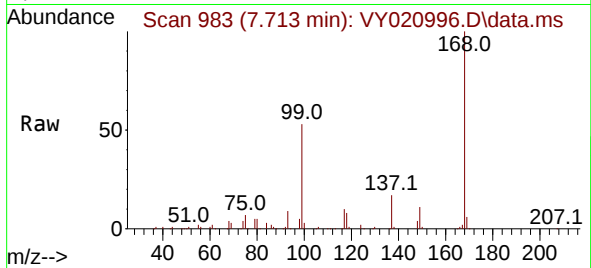




#36
1,1-Dichloropropene
Concen: 4.562 ug/l
RT: 7.713 min Scan# 90
Delta R.T. -0.128 min
Lab File: VY020996.D
Acq: 30 Jan 2025 19:13

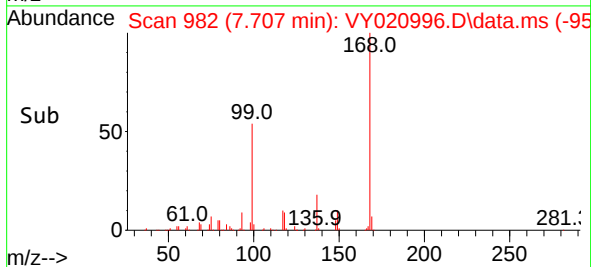
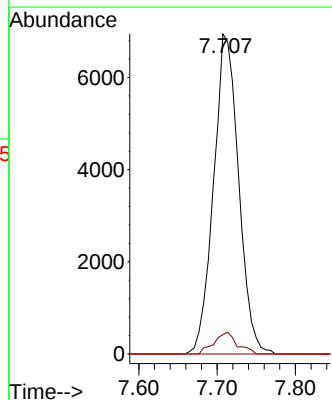
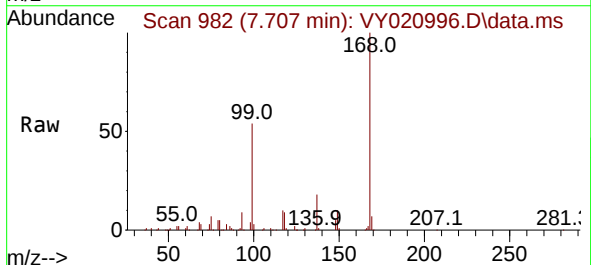
Instrument :
MSVOA_Y
ClientSampleId :

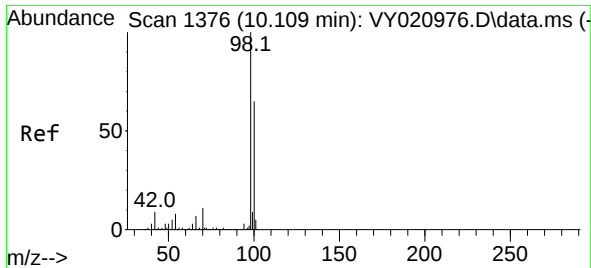
Tgt Ion: 75 Resp: 10829
Ion Ratio Lower Upper
75 100
110 10.2 18.4 55.2#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.249 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.115 min
Lab File: VY020996.D
Acq: 30 Jan 2025 19:13

Tgt Ion: 117 Resp: 15419
Ion Ratio Lower Upper
117 100
119 6.0 75.0 112.6#
121 0.0 24.2 36.2#

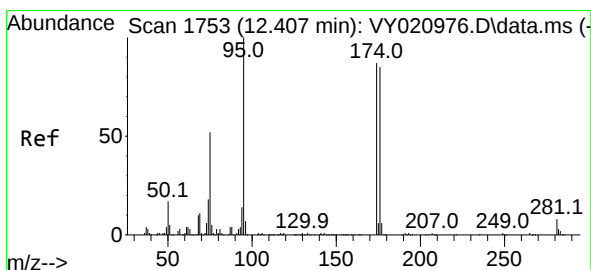
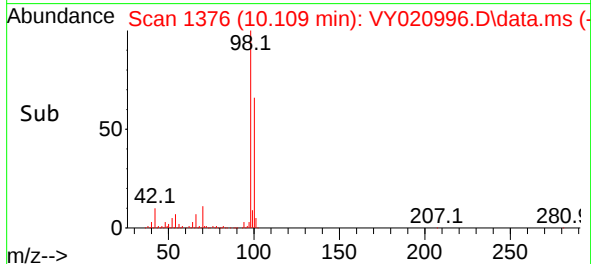
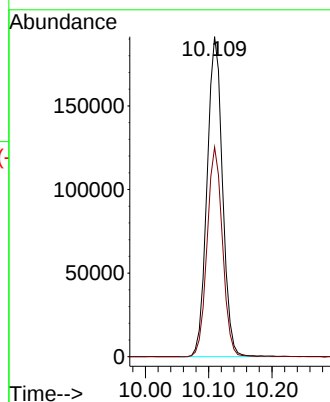
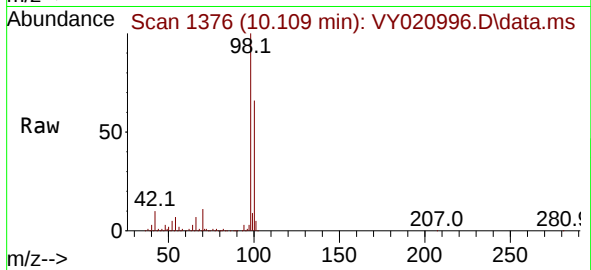




#50
Toluene-d8
Concen: 50.092 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020996.D
Acq: 30 Jan 2025 19:13

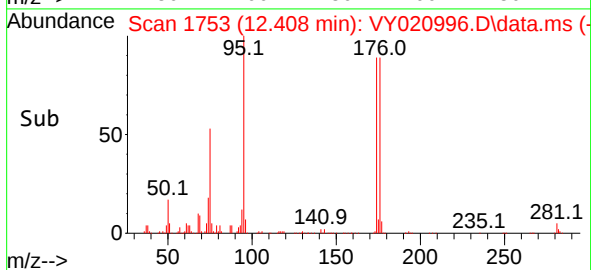
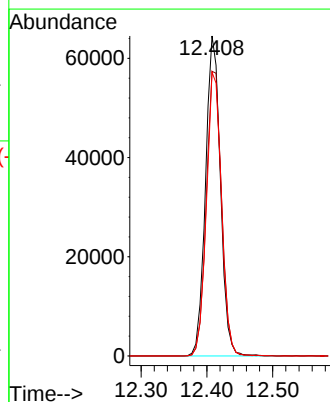
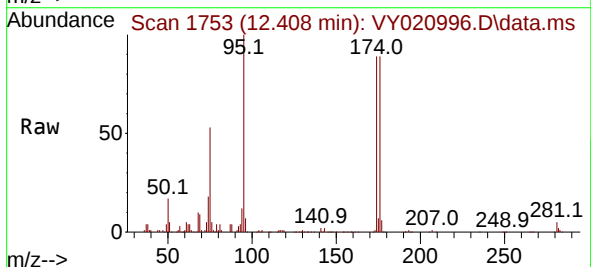
Instrument :
MSVOA_Y
ClientSampleId :

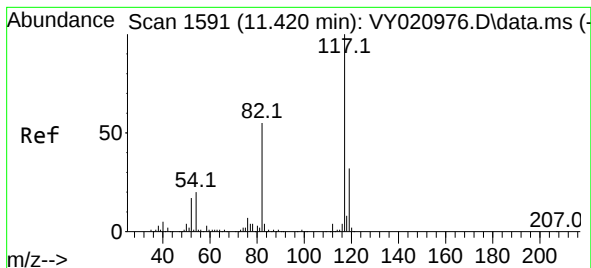
Tgt Ion: 98 Resp: 325322
Ion Ratio Lower Upper
98 100
100 64.9 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 46.509 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020996.D
Acq: 30 Jan 2025 19:13

Tgt Ion: 95 Resp: 101354
Ion Ratio Lower Upper
95 100
174 91.8 0.0 181.2
176 89.7 0.0 175.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020996.D

Acq: 30 Jan 2025 19:13

Instrument :

MSVOA_Y

ClientSampleId :

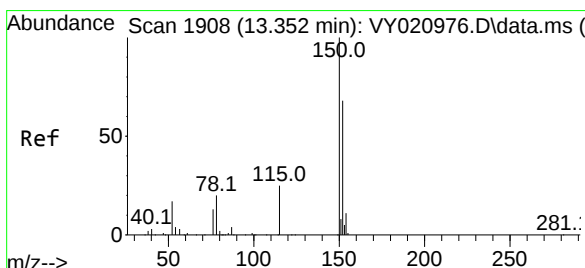
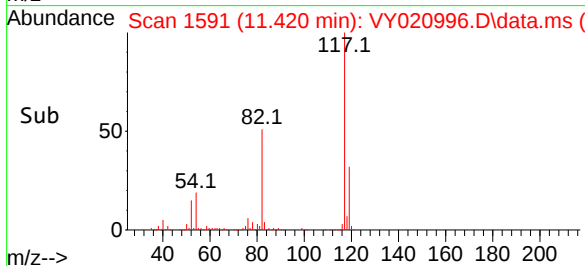
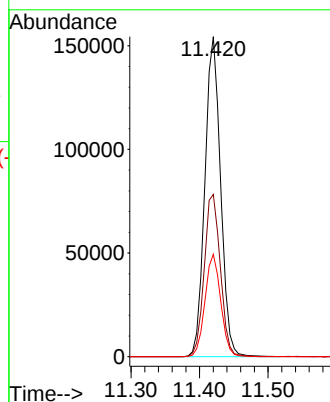
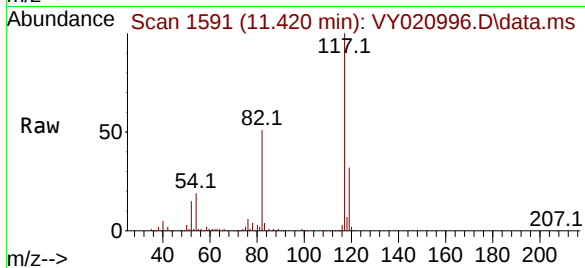
Tgt Ion:117 Resp: 246785

Ion Ratio Lower Upper

117 100

82 50.7 44.2 66.2

119 32.0 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020996.D

Acq: 30 Jan 2025 19:13

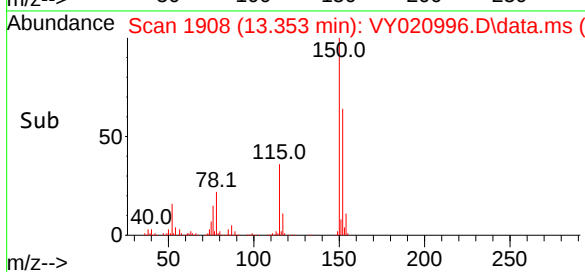
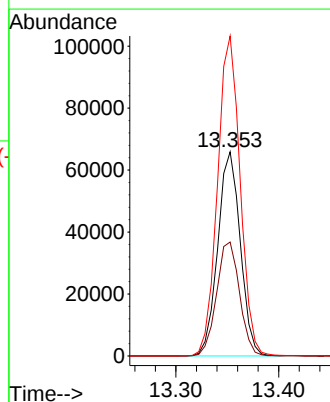
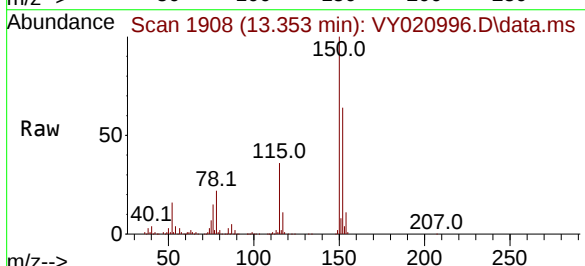
Tgt Ion:152 Resp: 100181

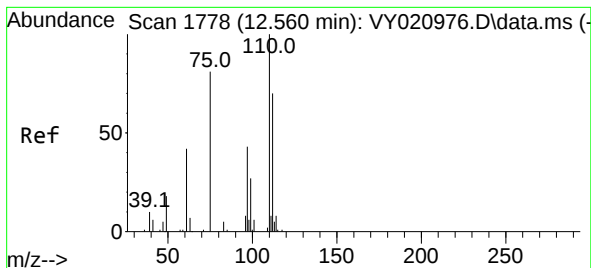
Ion Ratio Lower Upper

152 100

115 56.9 28.4 85.2

150 157.2 0.0 342.8





#76

1,2,3-Trichloropropane

Concen: 65.037 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY020996.D

Acq: 30 Jan 2025 19:13

Instrument :

MSVOA_Y

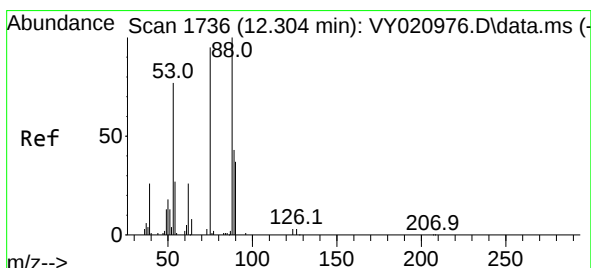
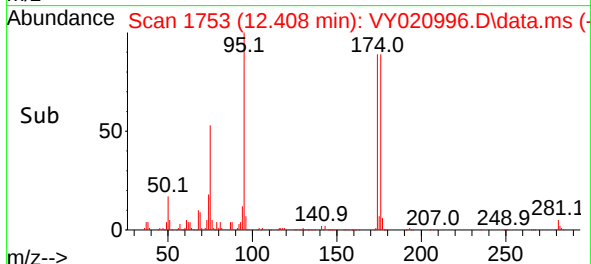
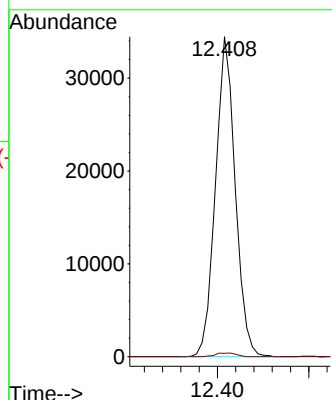
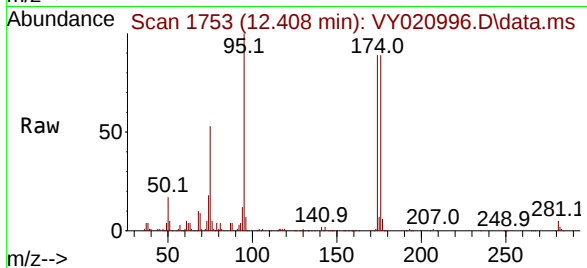
ClientSampleId :

Tgt Ion: 75 Resp: 51578

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.005 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY020996.D

Acq: 30 Jan 2025 19:13

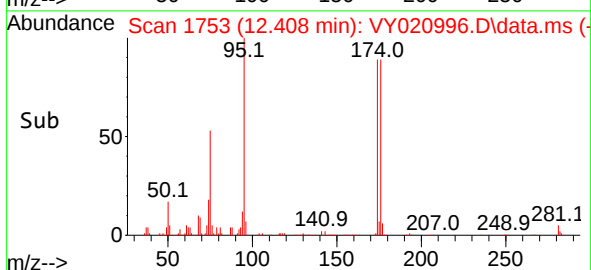
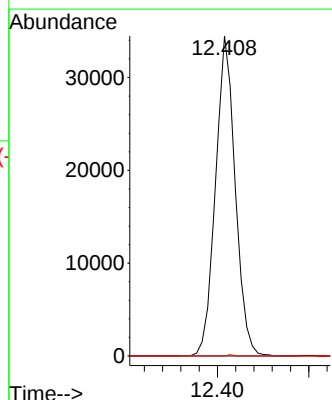
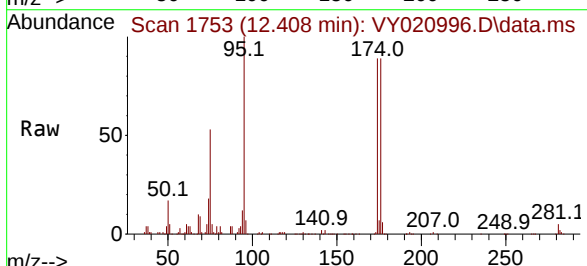
Tgt Ion: 75 Resp: 51578

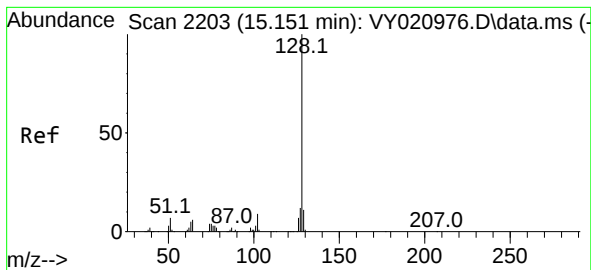
Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

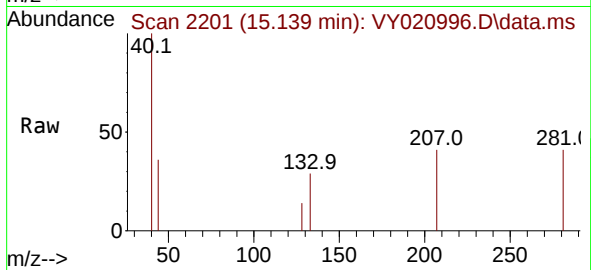
89 0.1 38.1 57.1#





#95
Naphthalene
Concen: 4.009 ug/l
RT: 15.139 min Scan# 21
Delta R.T. -0.012 min
Lab File: VY020996.D
Acq: 30 Jan 2025 19:13

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 57
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.8 13.2#

