

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012025\
 Data File : VY020875.D
 Acq On : 20 Jan 2025 12:39
 Operator : SY/MD
 Sample : Q1132-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 00:40:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	4418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	5814	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	2960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	530	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	1922	51.183	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.360%
35) Dibromofluoromethane	7.646	113	1868	51.285	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.560%
50) Toluene-d8	10.115	98	4638	36.527	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	73.060%
62) 4-Bromofluorobenzene	12.420	95	473	10.087	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	20.180%#

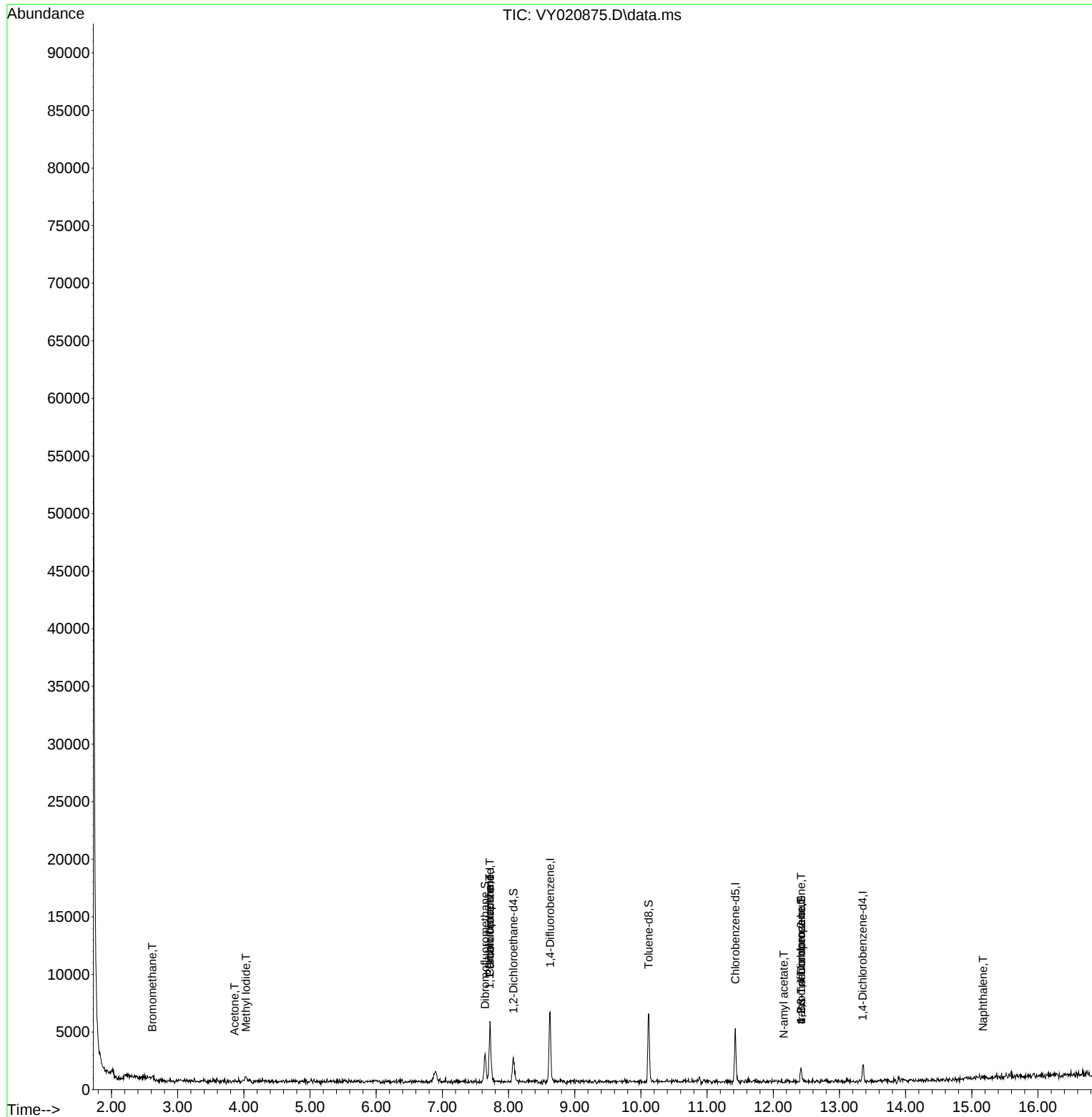
Target Compounds						Qvalue
5) Bromomethane	2.617	94	138	10.209	ug/l	83
10) Methyl Iodide	4.031	142	653	15.491	ug/l #	72
16) Acetone	3.860	43	81	15.169	ug/l #	41
36) 1,1-Dichloropropene	7.713	75	279	6.005	ug/l #	40
38) Carbon Tetrachloride	7.720	117	370	5.721	ug/l #	12
74) N-amyl acetate	12.158	43	27	3.926	ug/l #	38
76) 1,2,3-Trichloropropane	12.420	75	266	57.360	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.420	75	266	120.945	ug/l #	14
95) Naphthalene	15.169	128	129	8.270	ug/l #	69

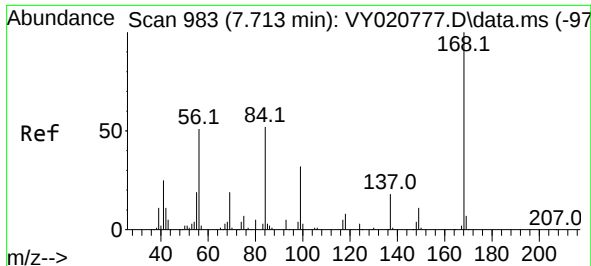
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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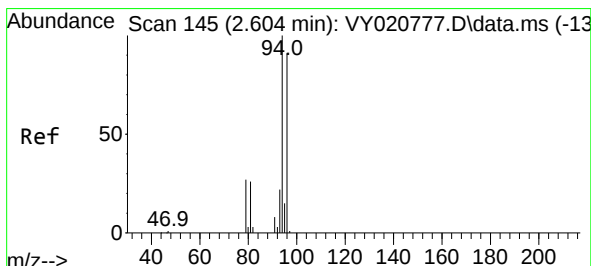
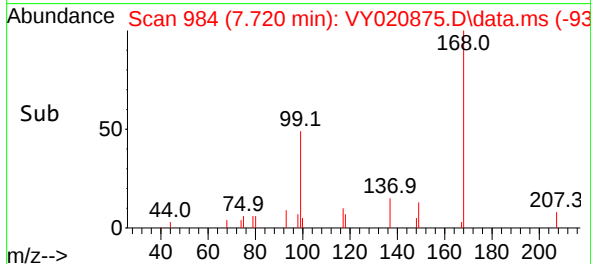
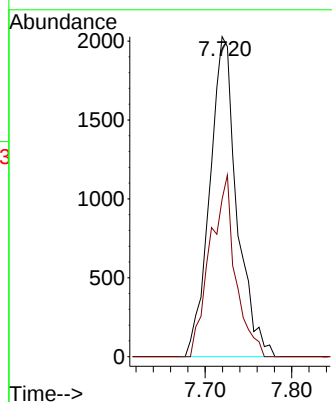
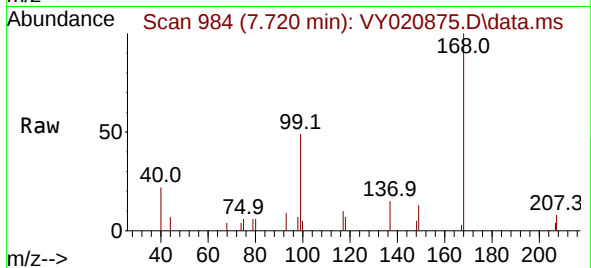




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY020875.D
Acq: 20 Jan 2025 12:39

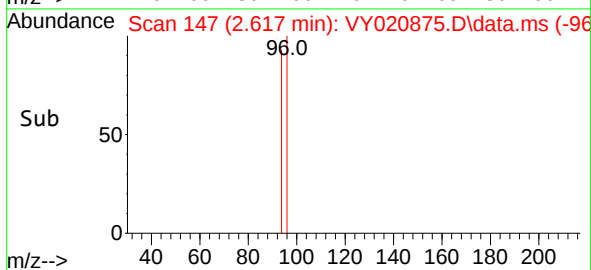
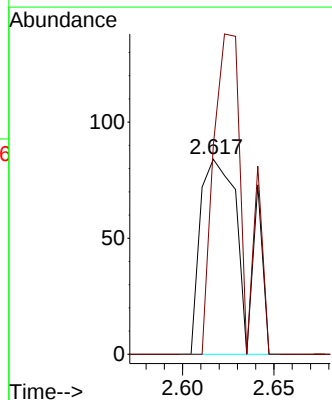
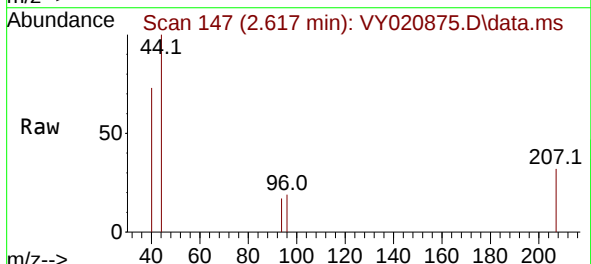
Instrument :
MSVOA_Y
ClientSampleId :

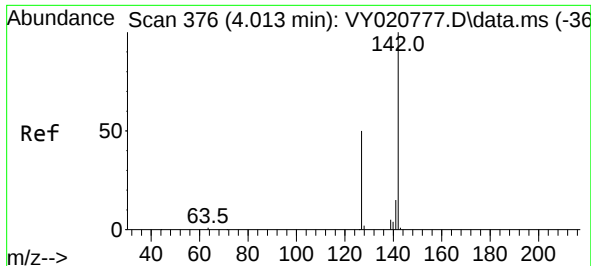
Tgt Ion:168 Resp: 4418
Ion Ratio Lower Upper
168 100
99 49.3 44.3 66.5



#5
Bromomethane
Concen: 10.209 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.012 min
Lab File: VY020875.D
Acq: 20 Jan 2025 12:39

Tgt Ion: 94 Resp: 138
Ion Ratio Lower Upper
94 100
96 107.1 72.6 109.0





#10

Methyl Iodide

Concen: 15.491 ug/l

RT: 4.031 min Scan# 31

Delta R.T. 0.018 min

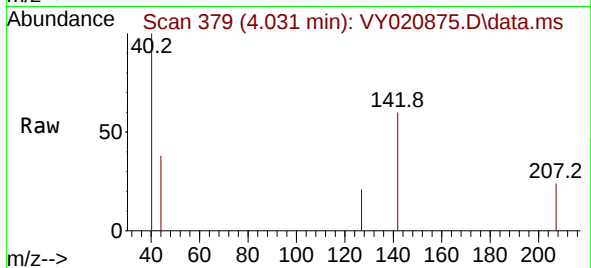
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Acq: 20 Jan 2025 12:39

Instrument :

MSVOA_Y

ClientSampleId :



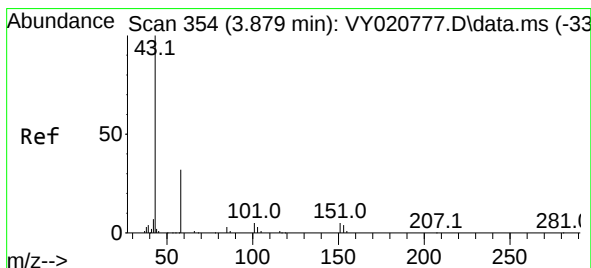
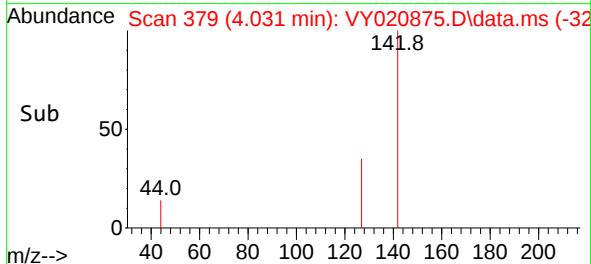
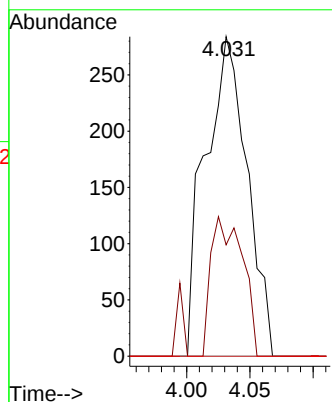
Tgt Ion:142 Resp: 653

Ion Ratio Lower Upper

142 100

127 33.1 41.0 61.6#

141 0.0 11.6 17.4#



#16

Acetone

Concen: 15.169 ug/l

RT: 3.860 min Scan# 351

Delta R.T. -0.018 min

Lab File: VY020875.D

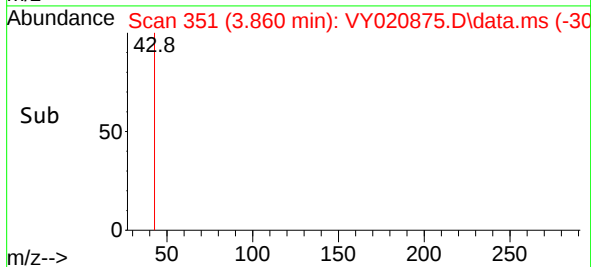
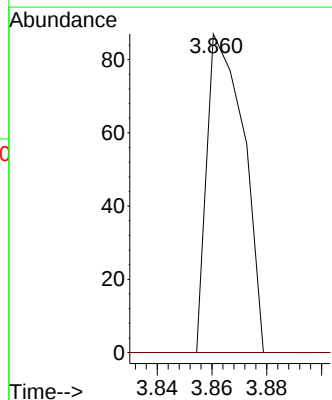
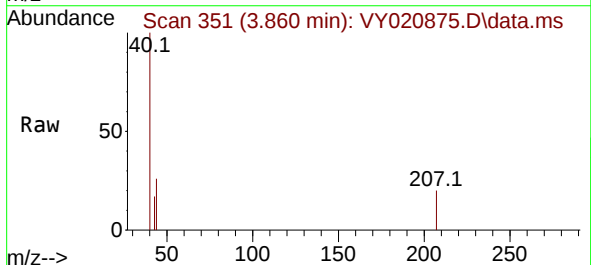
Acq: 20 Jan 2025 12:39

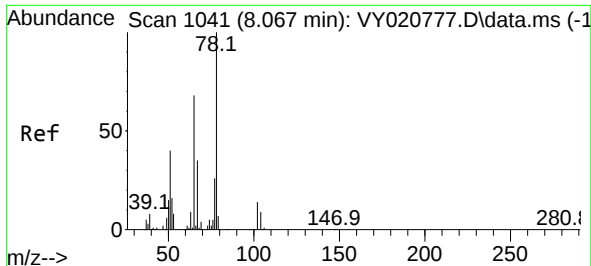
Tgt Ion: 43 Resp: 81

Ion Ratio Lower Upper

43 100

58 0.0 26.7 40.1#





#33

1,2-Dichloroethane-d4

Concen: 51.183 ug/l

RT: 8.073 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY020875.D

Acq: 20 Jan 2025 12:39

Instrument :

MSVOA_Y

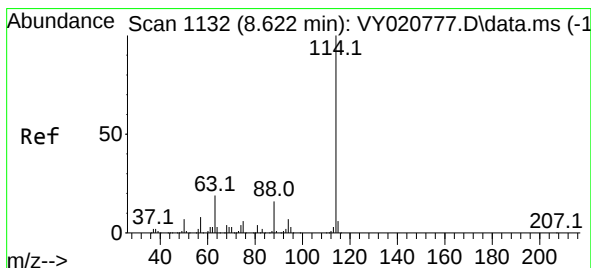
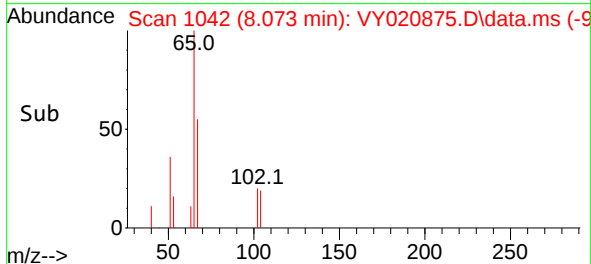
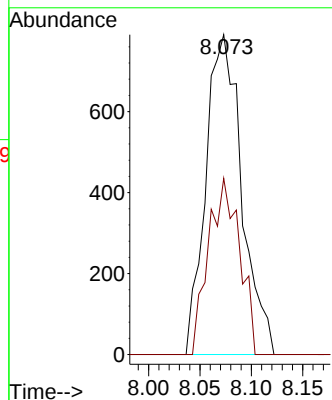
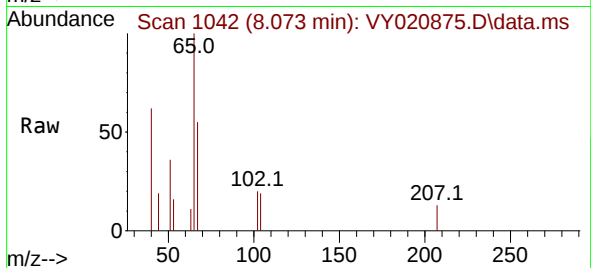
ClientSampleId :

Tgt Ion: 65 Resp: 1922

Ion Ratio Lower Upper

65 100

67 47.6 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VY020875.D

Acq: 20 Jan 2025 12:39

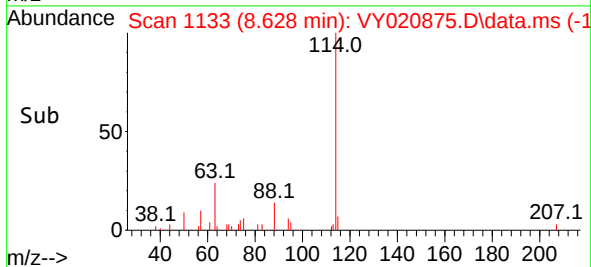
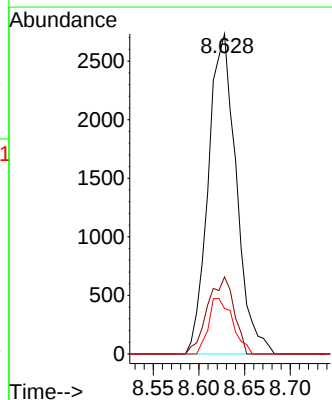
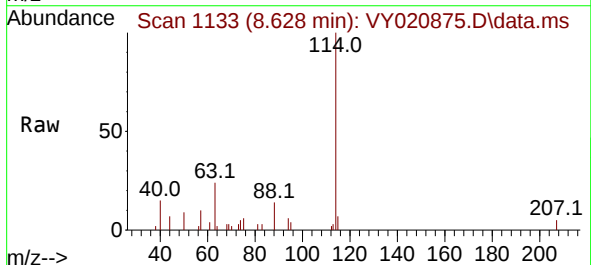
Tgt Ion: 114 Resp: 5814

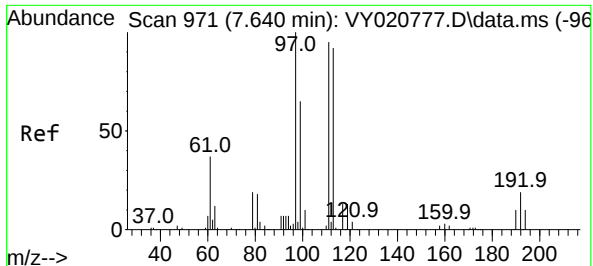
Ion Ratio Lower Upper

114 100

63 24.0 0.0 38.4

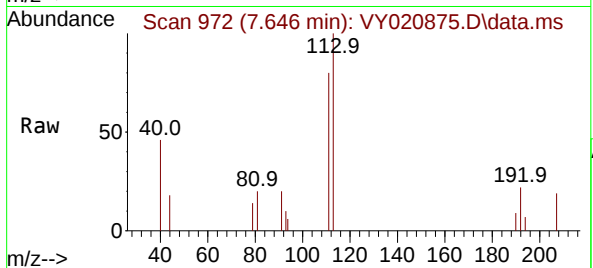
88 14.2 0.0 31.2



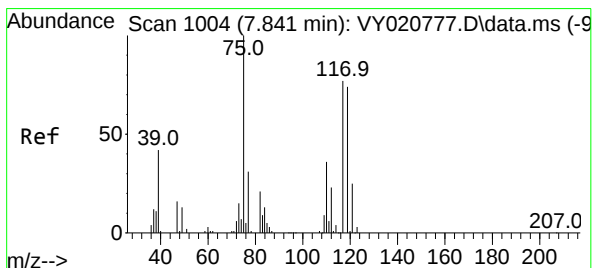
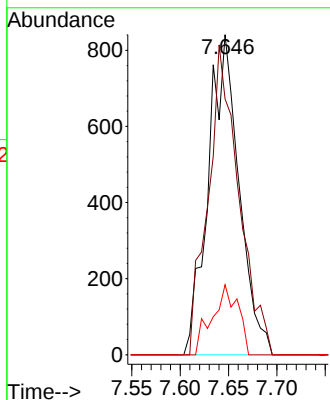
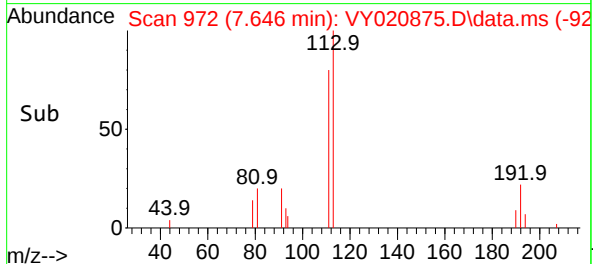


#35
Dibromofluoromethane
Concen: 51.285 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020875.D
Acq: 20 Jan 2025 12:39

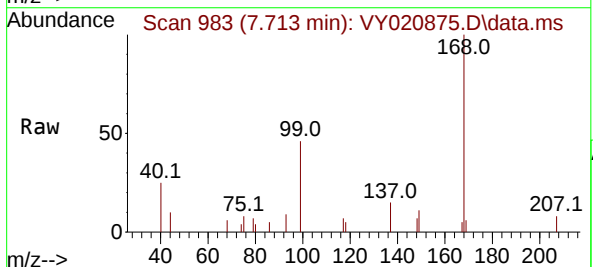
Instrument :
MSVOA_Y
ClientSampleId :



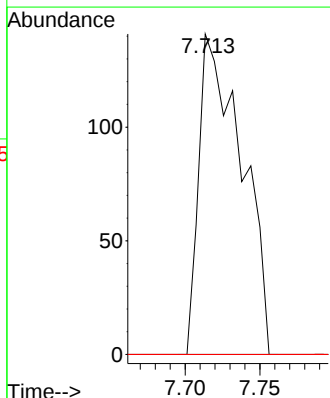
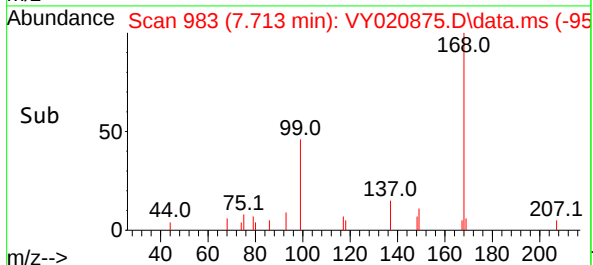
Tgt Ion:113 Resp: 1868
Ion Ratio Lower Upper
113 100
111 96.1 81.7 122.5
192 18.3 16.7 25.1

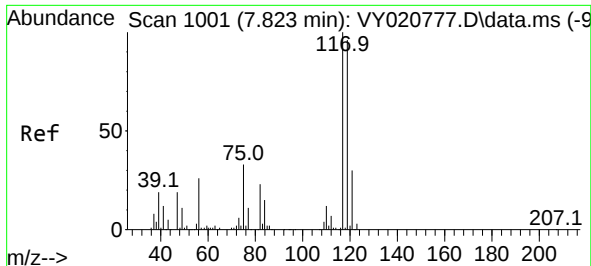


#36
1,1-Dichloropropene
Concen: 6.005 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY020875.D
Acq: 20 Jan 2025 12:39



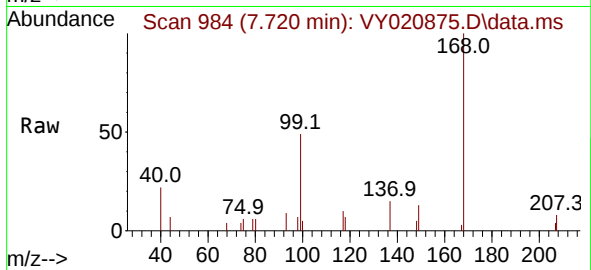
Tgt Ion: 75 Resp: 279
Ion Ratio Lower Upper
75 100
110 0.0 18.5 55.5#
77 0.0 25.0 37.4#



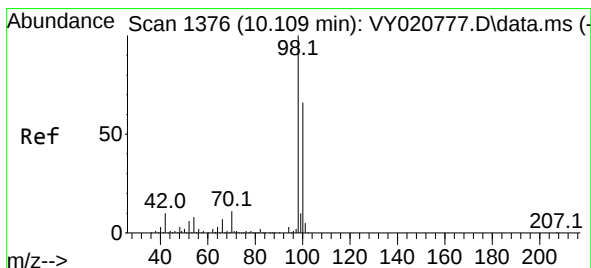
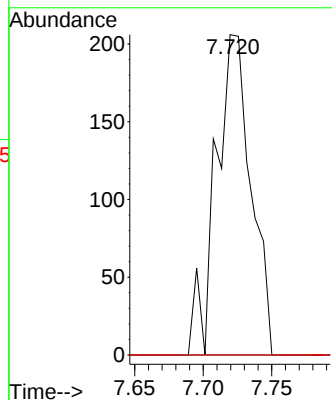
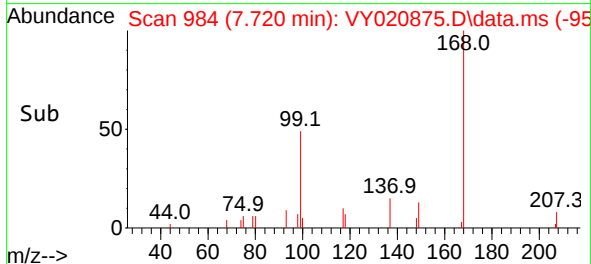


#38
Carbon Tetrachloride
Concen: 5.721 ug/l
RT: 7.720 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY020875.D
Acq: 20 Jan 2025 12:39

Instrument :
MSVOA_Y
ClientSampleId :

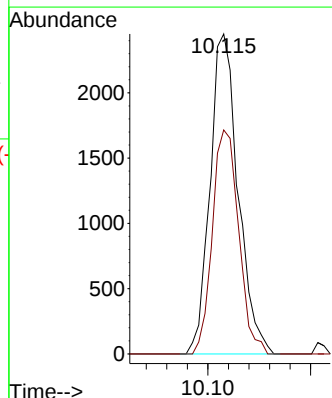
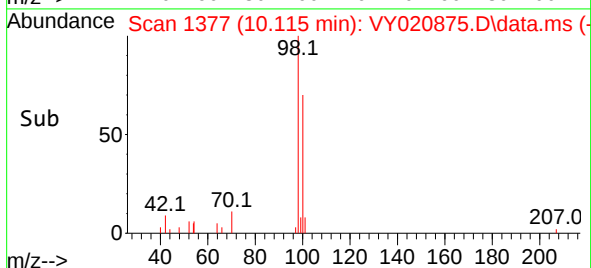
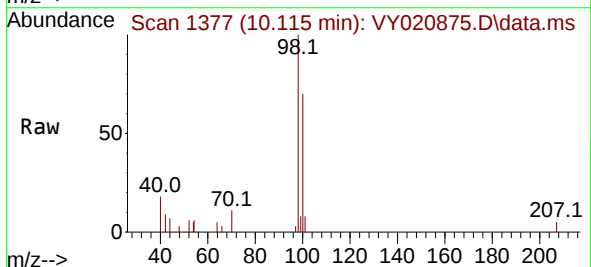


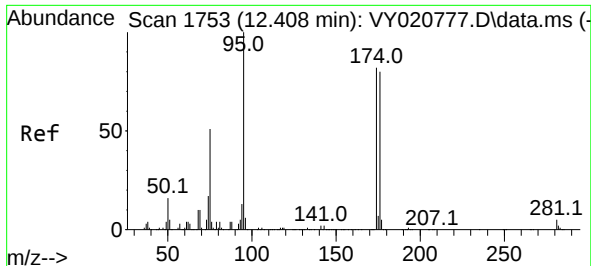
Tgt Ion:117 Resp: 370
Ion Ratio Lower Upper
117 100
119 0.0 76.5 114.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 36.527 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY020875.D
Acq: 20 Jan 2025 12:39

Tgt Ion: 98 Resp: 4638
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7

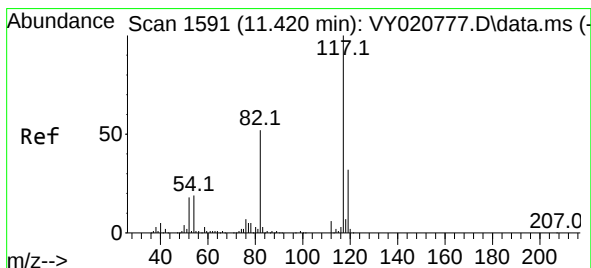
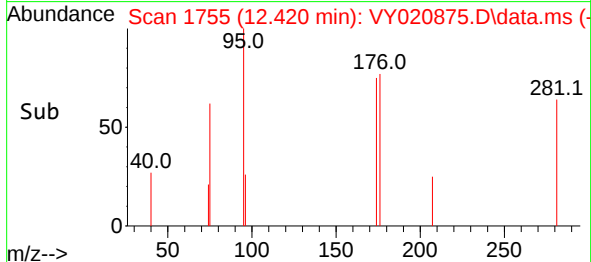
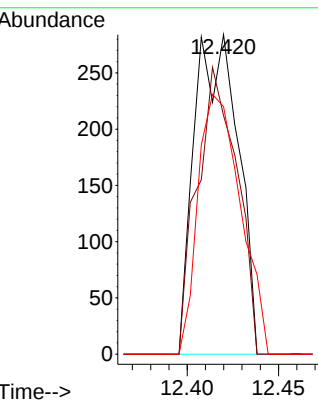
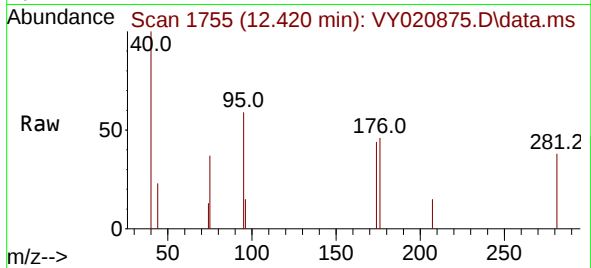




#62
4-Bromofluorobenzene
Concen: 10.087 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.012 min
Lab File: VY020875.D
Acq: 20 Jan 2025 12:39

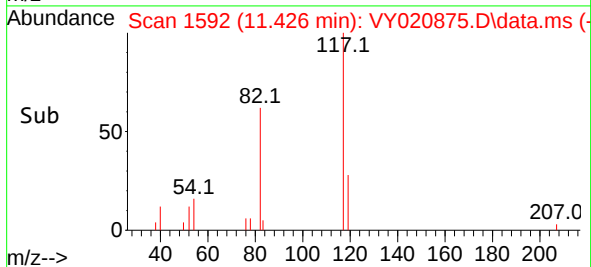
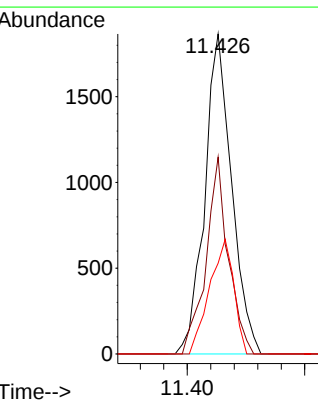
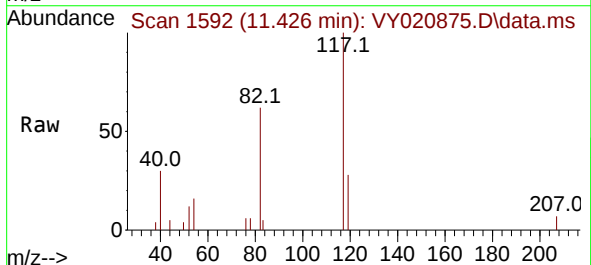
Instrument :
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ClientSampleId :

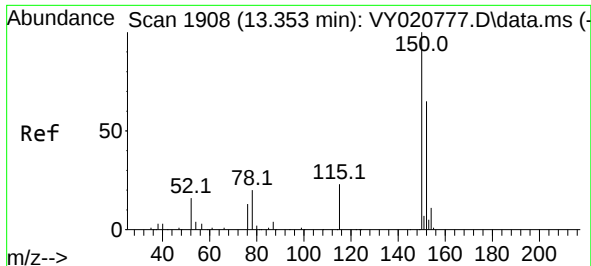
Tgt Ion: 95 Resp: 473
Ion Ratio Lower Upper
95 100
174 81.6 0.0 178.0
176 79.3 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY020875.D
Acq: 20 Jan 2025 12:39

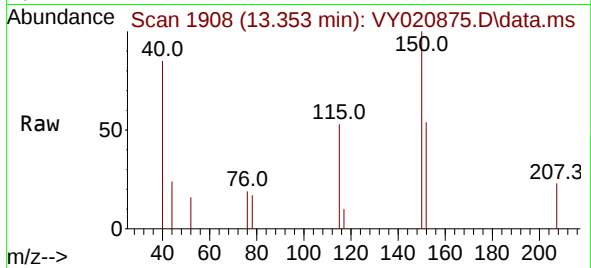
Tgt Ion: 117 Resp: 2960
Ion Ratio Lower Upper
117 100
82 61.5 41.8 62.6
119 28.3 25.8 38.8



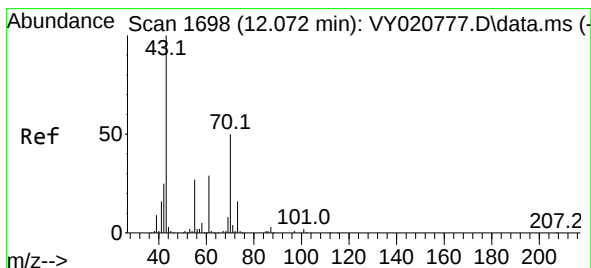
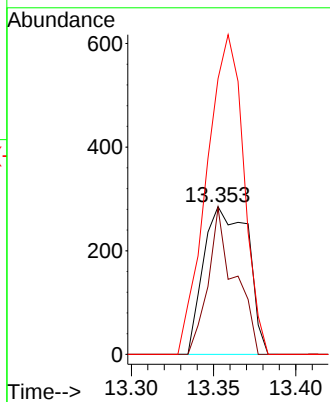
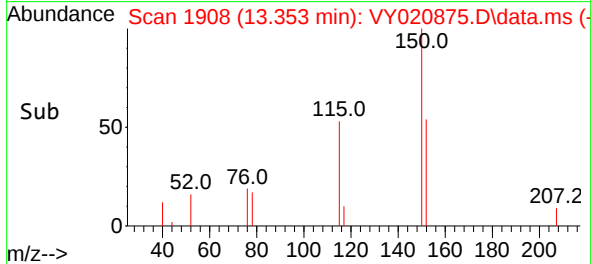


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VY020875.D
 Acq: 20 Jan 2025 12:39

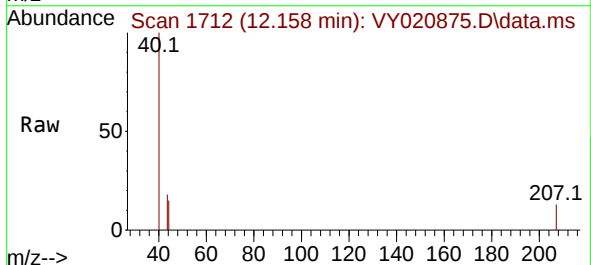
Instrument :
 MSVOA_Y
 ClientSampleId :



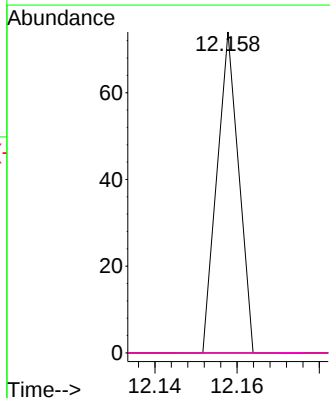
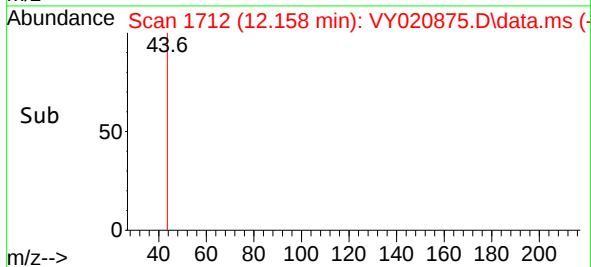
Tgt Ion:152 Resp: 530
 Ion Ratio Lower Upper
 152 100
 115 60.2 29.0 87.0
 150 182.8 0.0 347.4

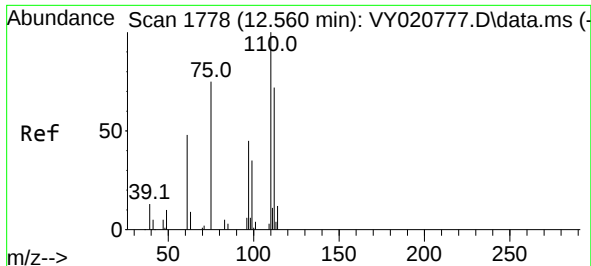


#74
 N-ethyl acetate
 Concen: 3.926 ug/l
 RT: 12.158 min Scan# 1712
 Delta R.T. 0.085 min
 Lab File: VY020875.D
 Acq: 20 Jan 2025 12:39



Tgt Ion: 43 Resp: 27
 Ion Ratio Lower Upper
 43 100
 70 0.0 40.2 60.4#
 55 0.0 21.2 31.8#
 61 0.0 22.1 33.1#

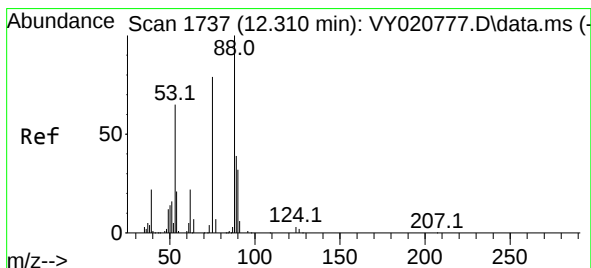
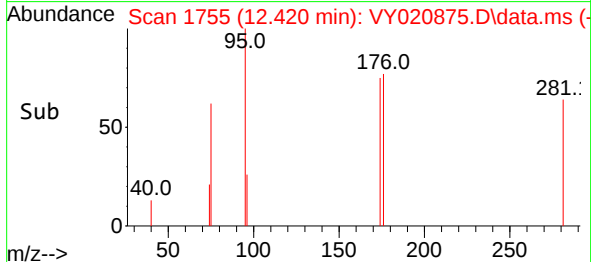
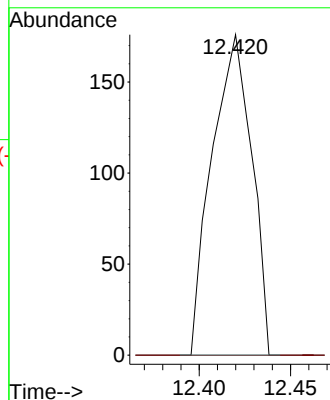
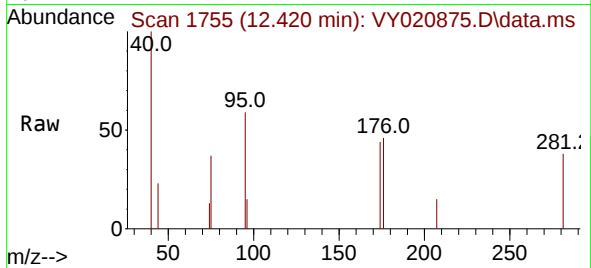




#76
1,2,3-Trichloropropane
Concen: 57.360 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. -0.140 min
Lab File: VY020875.D
Acq: 20 Jan 2025 12:39

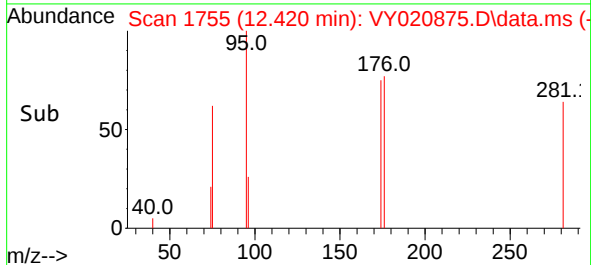
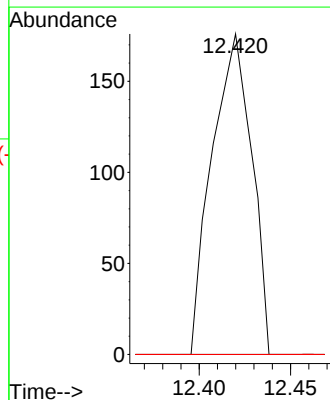
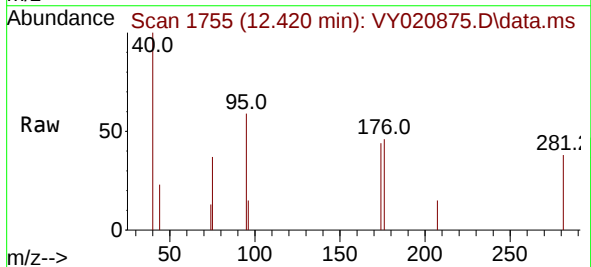
Instrument :
MSVOA_Y
ClientSampleId :

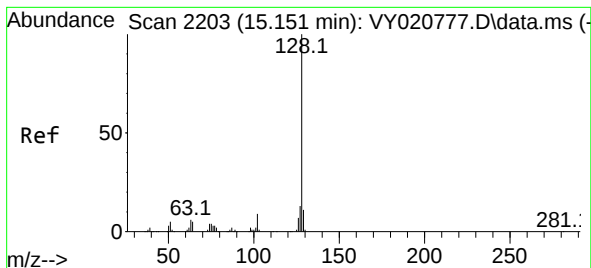
Tgt Ion: 75 Resp: 266
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 120.945 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.110 min
Lab File: VY020875.D
Acq: 20 Jan 2025 12:39

Tgt Ion: 75 Resp: 266
Ion Ratio Lower Upper
75 100
53 0.0 69.4 104.0#
89 0.0 39.6 59.4#





#95

Naphthalene

Concen: 8.270 ug/l

RT: 15.169 min Scan# 21

Delta R.T. 0.018 min

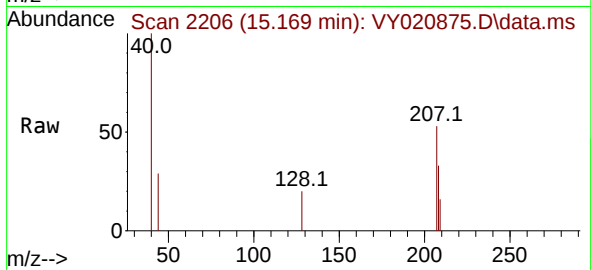
Lab File: VY020875.D

Acq: 20 Jan 2025 12:39

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 129

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#

