

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120924\
 Data File : VY020557.D
 Acq On : 09 Dec 2024 16:03
 Operator : SY/MD
 Sample : P5216-15
 Misc : 5.95g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 10 04:02:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 01:39:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	114749	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	192611	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	166799	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	67798	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	67507	57.846	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.700%
35) Dibromofluoromethane	7.628	113	62883	51.859	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.720%
50) Toluene-d8	10.103	98	231295	50.093	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.180%
62) 4-Bromofluorobenzene	12.402	95	72577	44.943	ug/l	-0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	89.880%

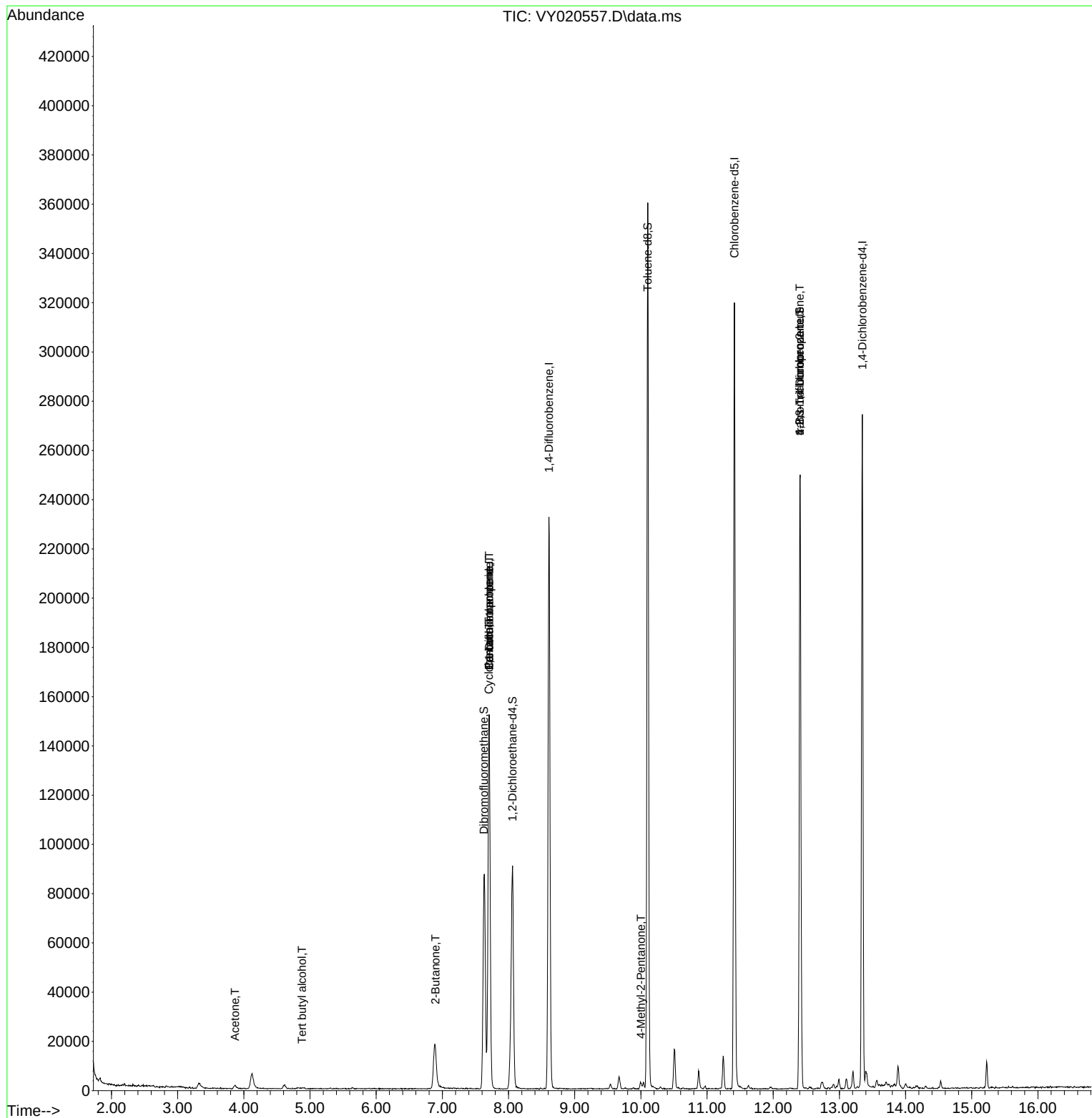
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.879	59	444	5.865	ug/l #	73
16) Acetone	3.867	43	2522	8.691	ug/l #	86
25) 2-Butanone	6.896	43	1427	3.894	ug/l #	86
31) Cyclohexane	7.701	56	2345	1.020	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	9404	4.592	ug/l #	51
38) Carbon Tetrachloride	7.707	117	11867	4.856	ug/l #	16
51) 4-Methyl-2-Pentanone	10.000	43	1807	2.234	ug/l	98
76) 1,2,3-Trichloropropane	12.402	75	39831	57.672	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	39831	118.334	ug/l #	9

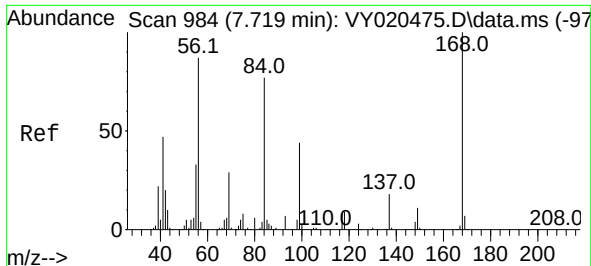
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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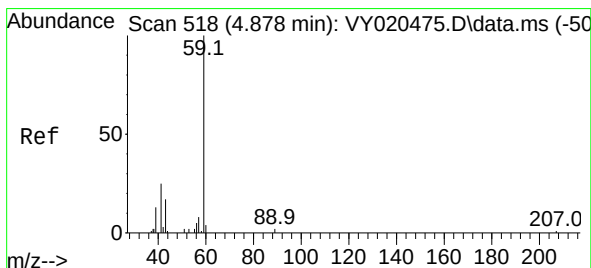
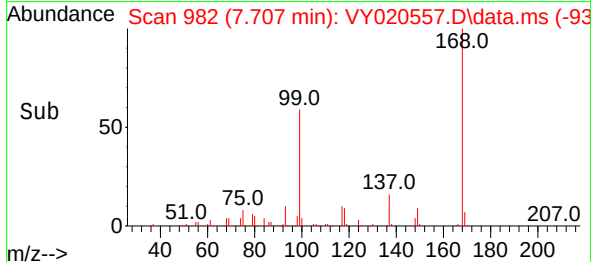
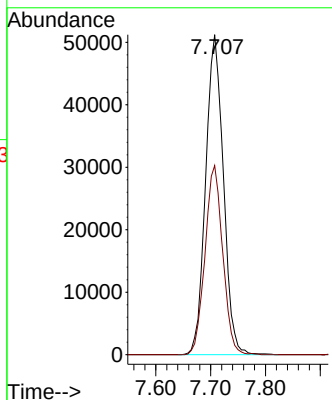
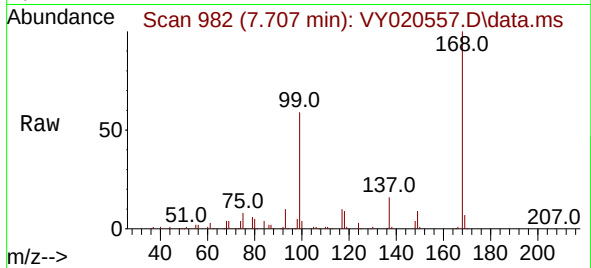




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 984
Delta R.T. -0.012 min
Lab File: VY020557.D
Acq: 09 Dec 2024 16:03

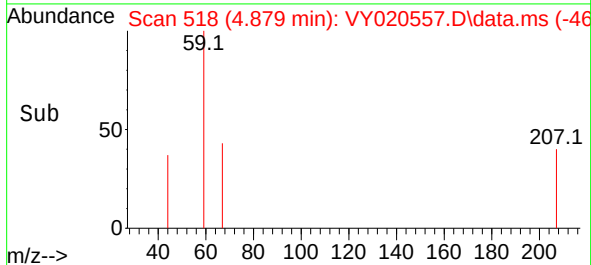
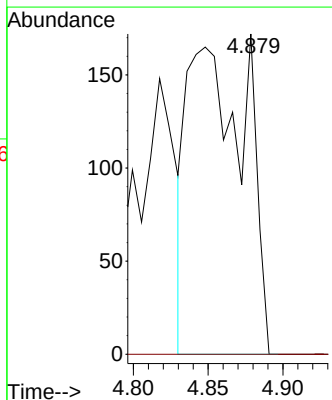
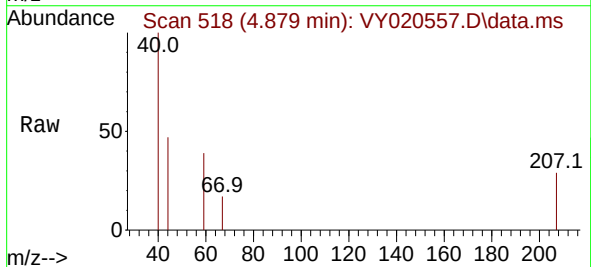
Instrument :
MSVOA_Y
ClientSampleId :

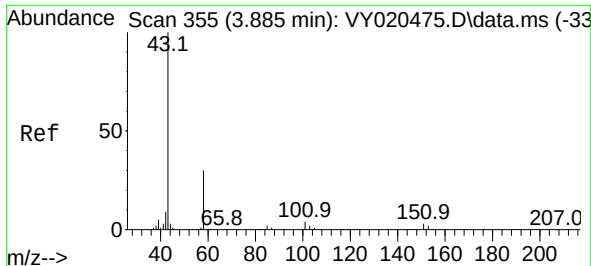
Tgt Ion:168 Resp: 114749
Ion Ratio Lower Upper
168 100
99 59.1 46.6 69.8



#11
Tert butyl alcohol
Concen: 5.865 ug/l
RT: 4.879 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY020557.D
Acq: 09 Dec 2024 16:03

Tgt Ion: 59 Resp: 444
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 8.691 ug/l

RT: 3.867 min Scan# 3

Delta R.T. -0.018 min

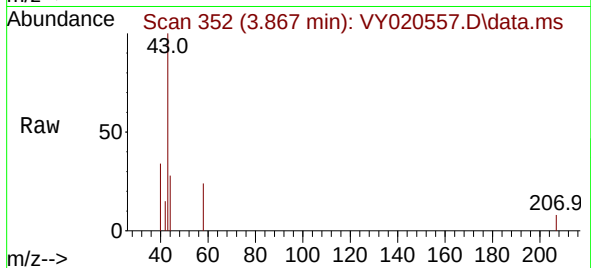
Lab File: VY020557.D

Acq: 09 Dec 2024 16:03

Instrument :

MSVOA_Y

ClientSampleId :

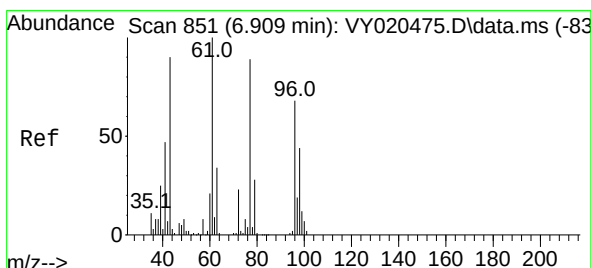
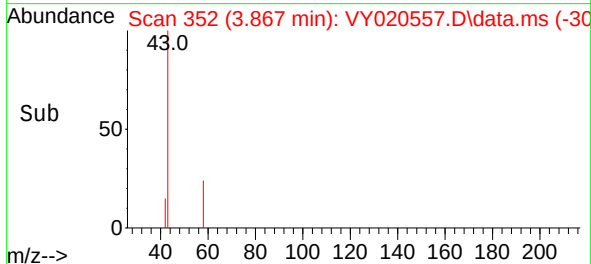
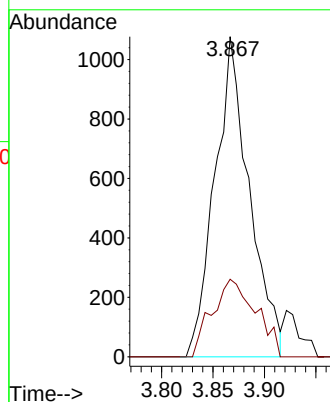


Tgt Ion: 43 Resp: 2522

Ion Ratio Lower Upper

43 100

58 24.2 25.7 38.5#



#25

2-Butanone

Concen: 3.894 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.012 min

Lab File: VY020557.D

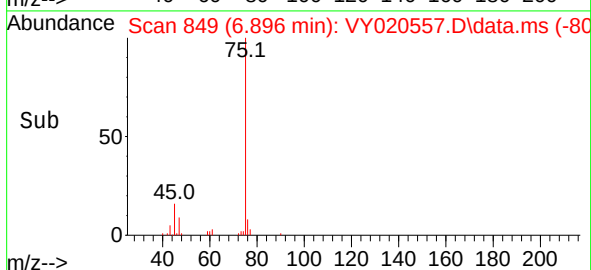
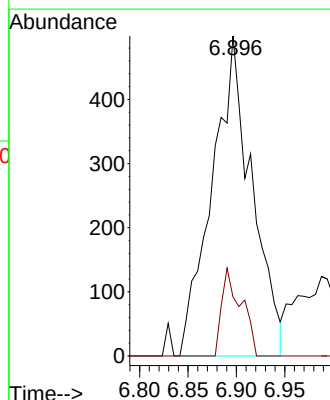
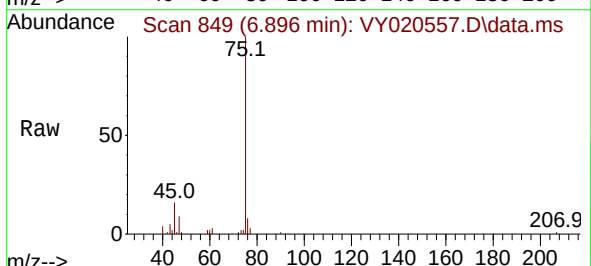
Acq: 09 Dec 2024 16:03

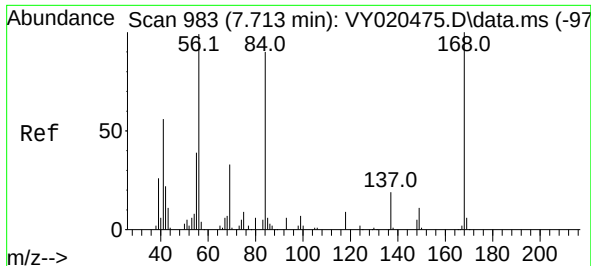
Tgt Ion: 43 Resp: 1427

Ion Ratio Lower Upper

43 100

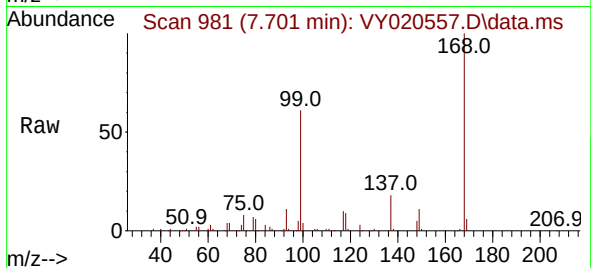
72 18.4 20.4 30.6#



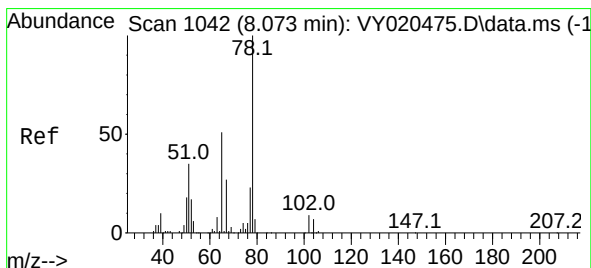
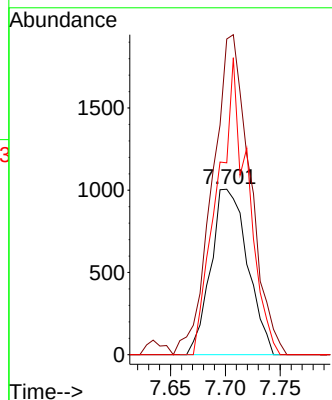
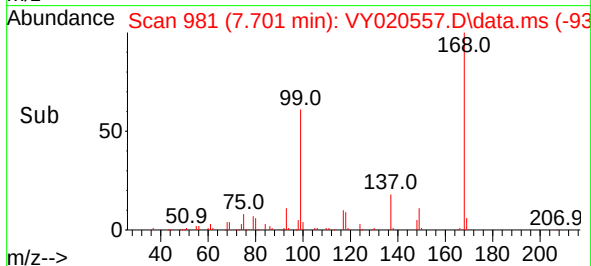


#31
Cyclohexane
Concen: 1.020 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020557.D
Acq: 09 Dec 2024 16:03

Instrument :
MSVOA_Y
ClientSampleId :

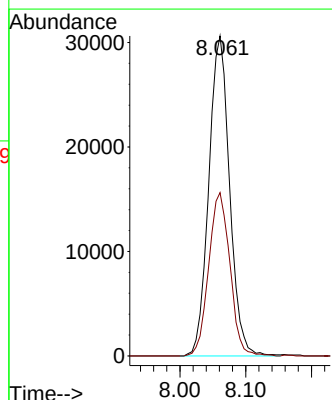
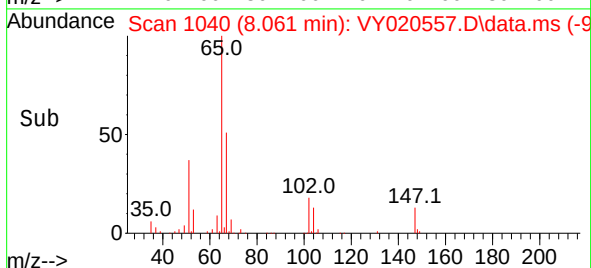
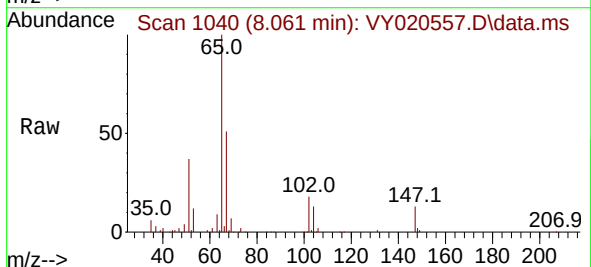


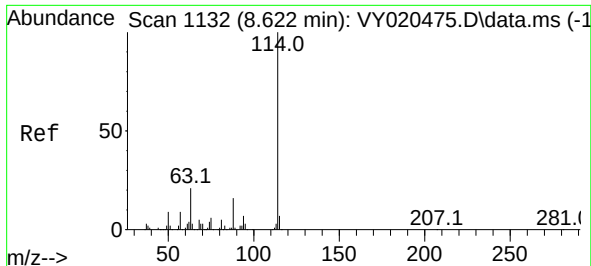
Tgt Ion: 56 Resp: 2345
Ion Ratio Lower Upper
56 100
69 184.1 25.3 37.9#
84 116.0 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 57.846 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY020557.D
Acq: 09 Dec 2024 16:03

Tgt Ion: 65 Resp: 67507
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.8

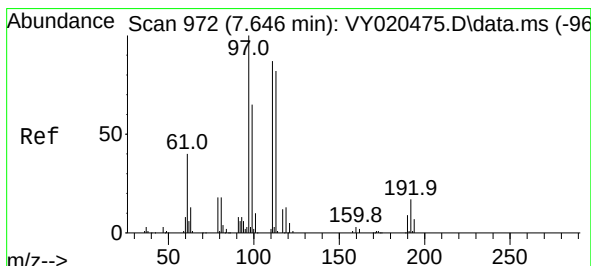
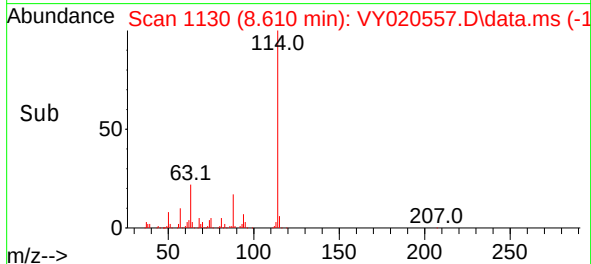
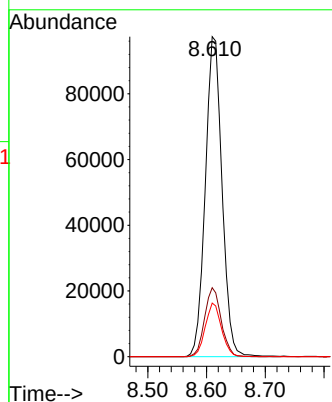
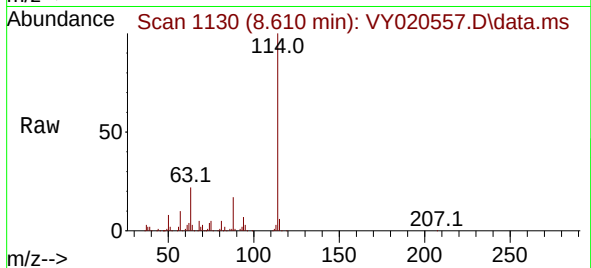




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.012 min
Lab File: VY020557.D
Acq: 09 Dec 2024 16:03

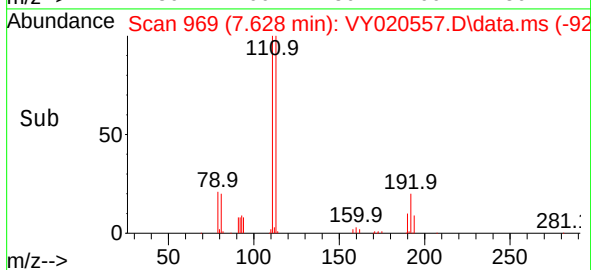
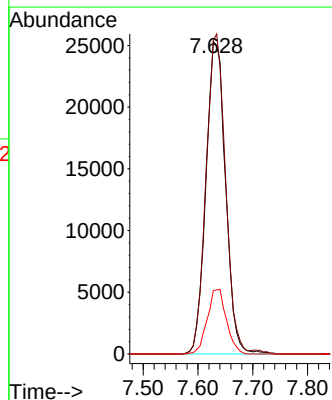
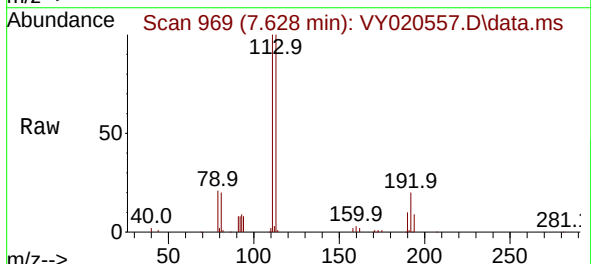
Instrument :
MSVOA_Y
ClientSampleId :

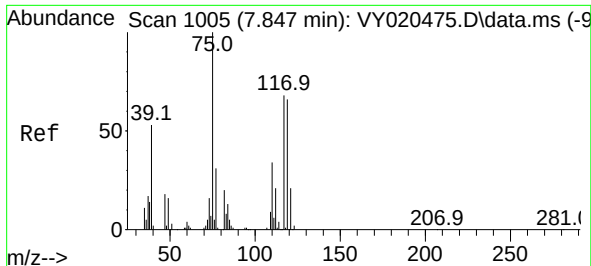
Tgt Ion:114 Resp: 192611
Ion Ratio Lower Upper
114 100
63 21.6 0.0 44.8
88 16.7 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.859 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.018 min
Lab File: VY020557.D
Acq: 09 Dec 2024 16:03

Tgt Ion:113 Resp: 62883
Ion Ratio Lower Upper
113 100
111 101.2 81.4 122.0
192 20.1 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.592 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.140 min

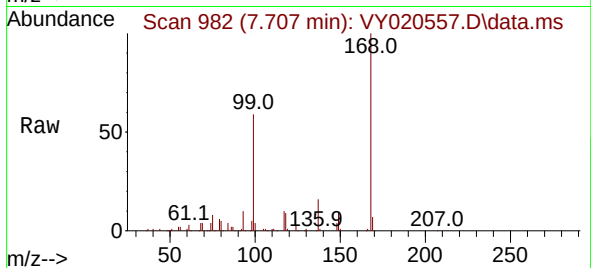
Lab File: VY020557.D

Acq: 09 Dec 2024 16:03

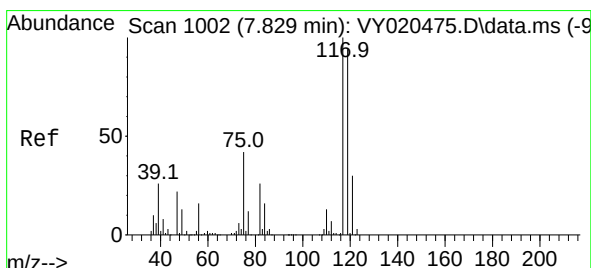
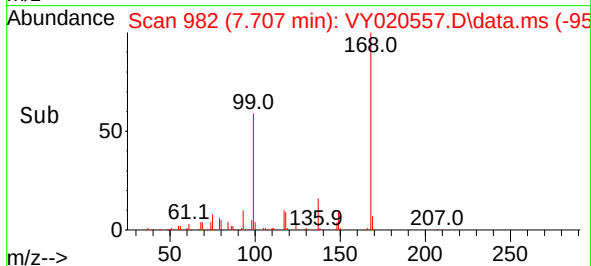
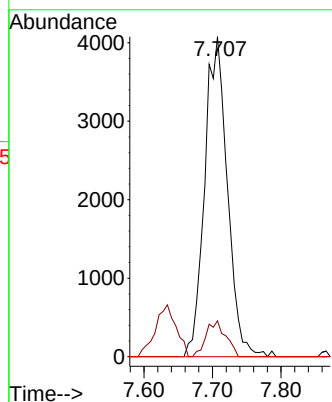
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 9404
Ion Ratio	Lower Upper
75	100
110	9.7 16.7 50.0#
77	0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 4.856 ug/l

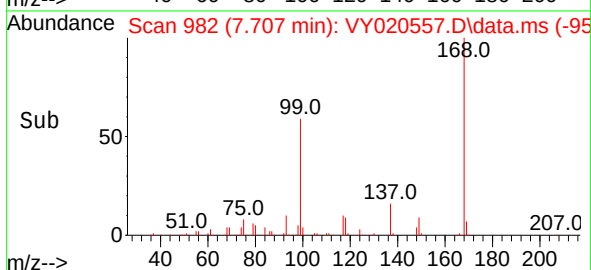
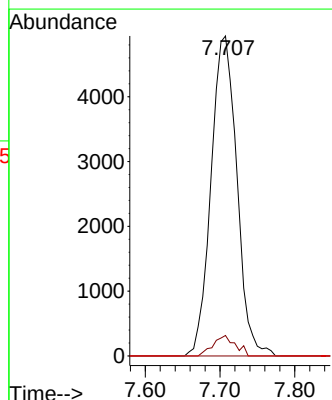
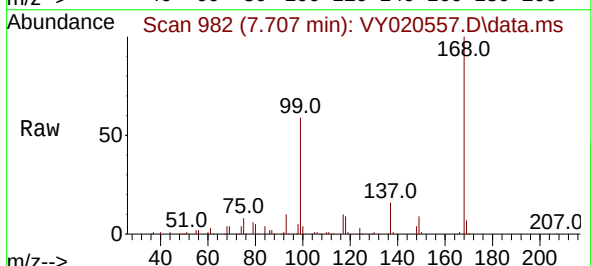
RT: 7.707 min Scan# 982

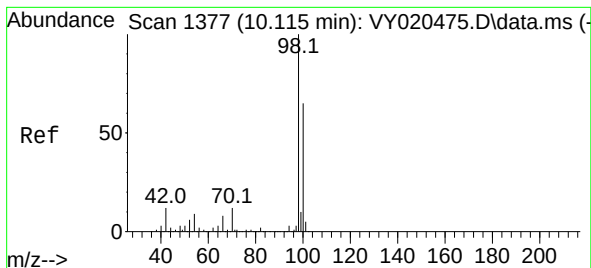
Delta R.T. -0.122 min

Lab File: VY020557.D

Acq: 09 Dec 2024 16:03

Tgt Ion: 117	Resp: 11867
Ion Ratio	Lower Upper
117	100
119	6.4 77.8 116.6#
121	0.0 24.6 37.0#





#50

Toluene-d8

Concen: 50.093 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.012 min

Lab File: VY020557.D

Acq: 09 Dec 2024 16:03

Instrument :

MSVOA_Y

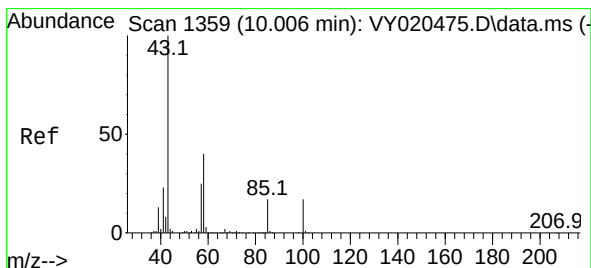
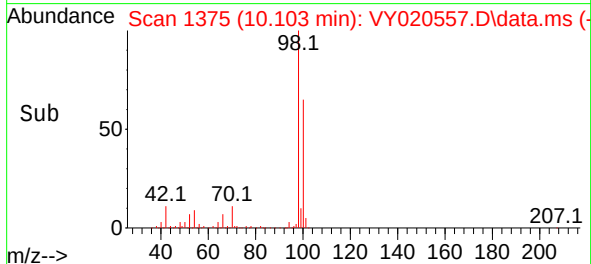
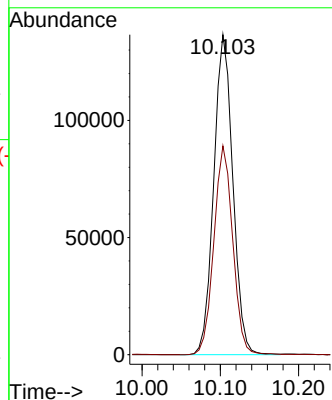
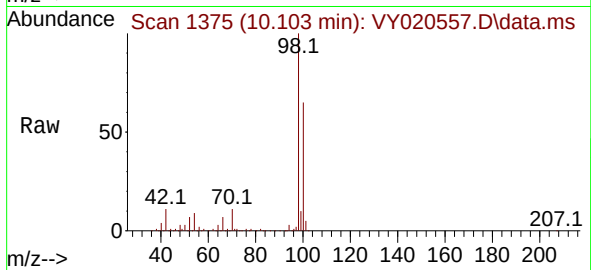
ClientSampleId :

Tgt Ion: 98 Resp: 231295

Ion Ratio Lower Upper

98 100

100 64.7 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 2.234 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. -0.006 min

Lab File: VY020557.D

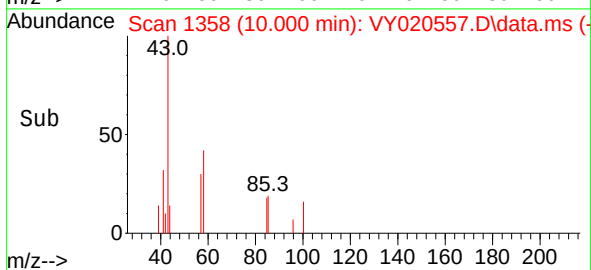
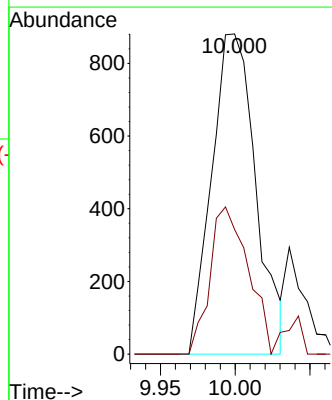
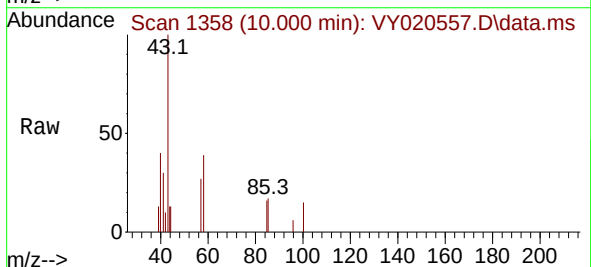
Acq: 09 Dec 2024 16:03

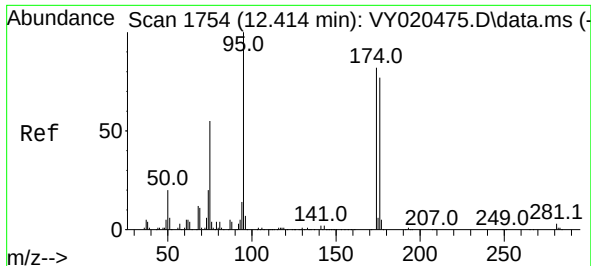
Tgt Ion: 43 Resp: 1807

Ion Ratio Lower Upper

43 100

58 39.8 30.9 46.3





#62

4-Bromofluorobenzene

Concen: 44.943 ug/l

RT: 12.402 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY020557.D

Acq: 09 Dec 2024 16:03

Instrument :

MSVOA_Y

ClientSampleId :

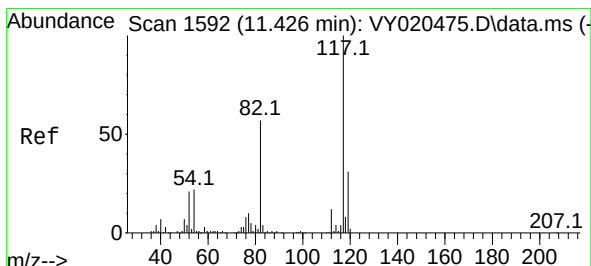
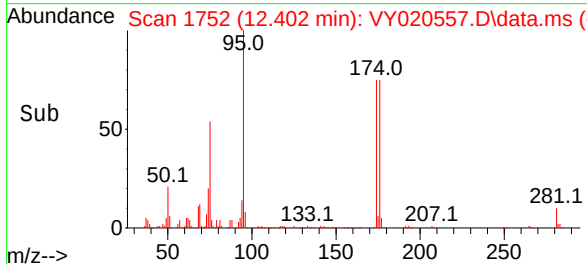
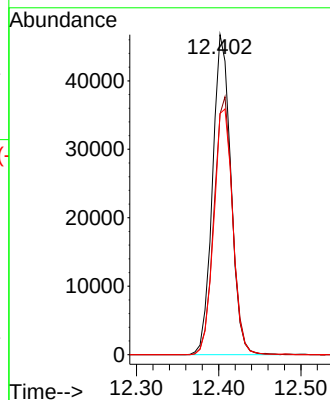
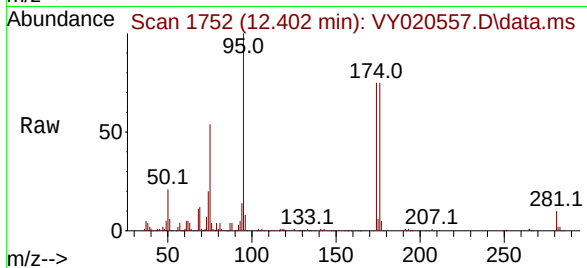
Tgt Ion: 95 Resp: 72577

Ion Ratio Lower Upper

95 100

174 81.6 0.0 156.8

176 79.1 0.0 152.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.012 min

Lab File: VY020557.D

Acq: 09 Dec 2024 16:03

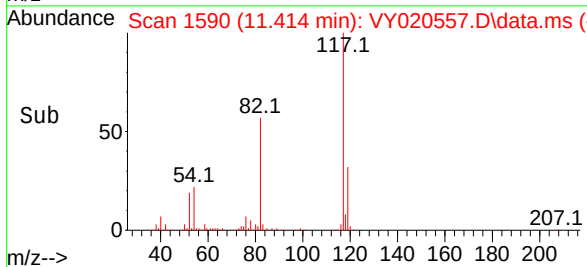
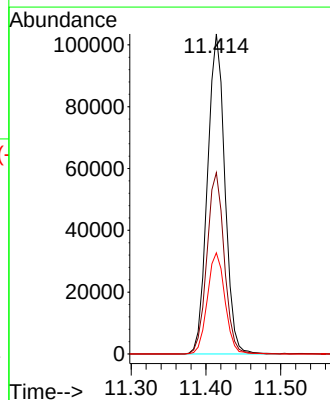
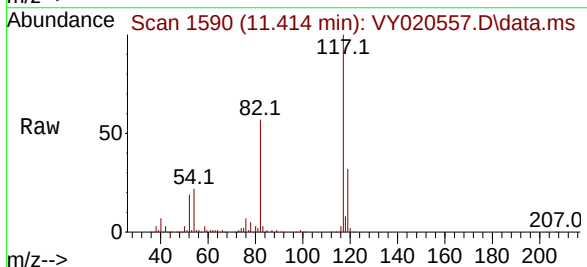
Tgt Ion: 117 Resp: 166799

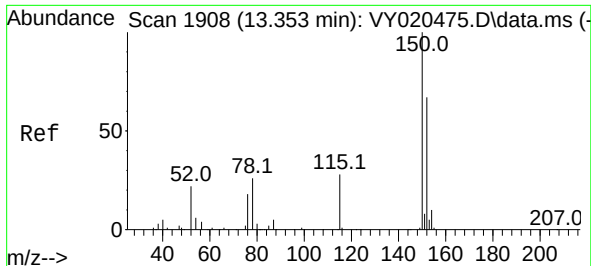
Ion Ratio Lower Upper

117 100

82 56.7 48.2 72.4

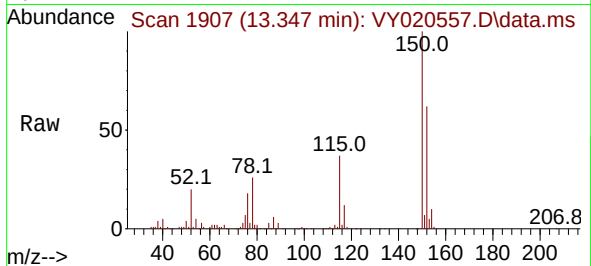
119 31.6 25.8 38.8



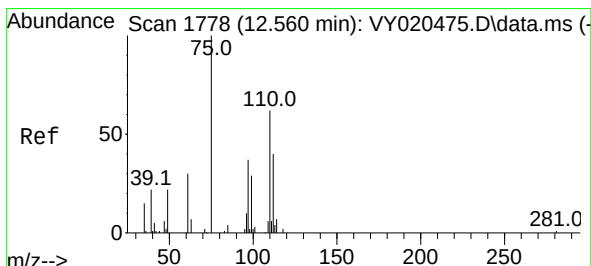
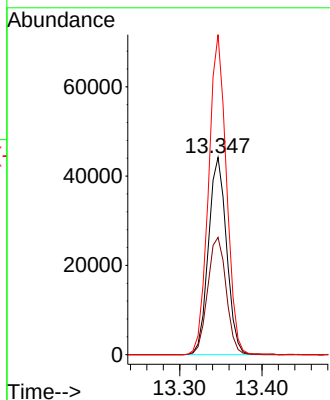
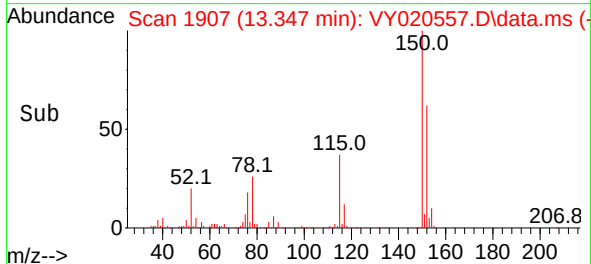


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020557.D
Acq: 09 Dec 2024 16:03

Instrument :
MSVOA_Y
ClientSampleId :

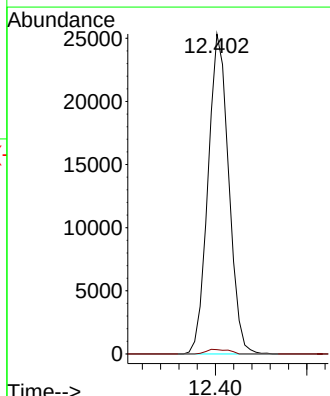
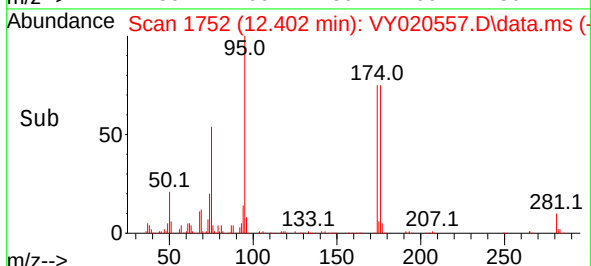
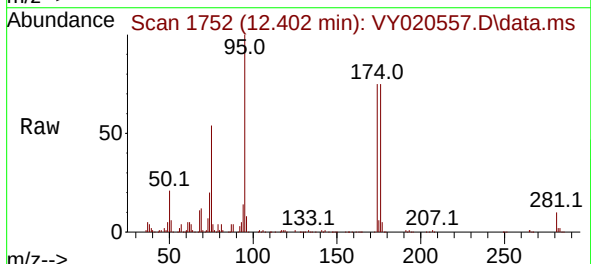


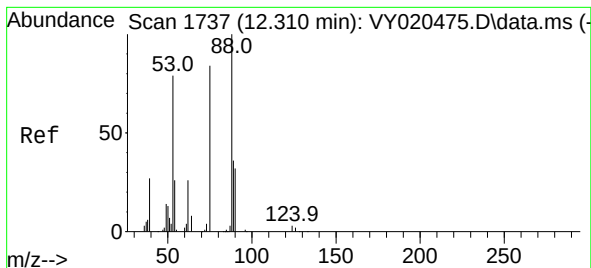
Tgt Ion:152 Resp: 67798
Ion Ratio Lower Upper
152 100
115 60.9 30.0 90.0
150 159.7 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 57.672 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY020557.D
Acq: 09 Dec 2024 16:03

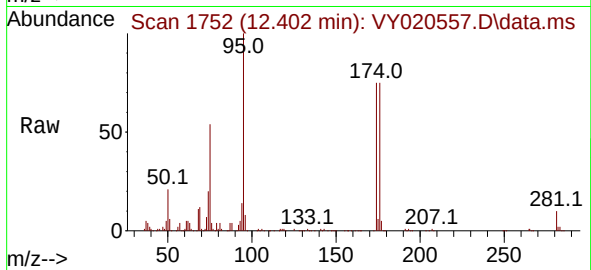
Tgt Ion: 75 Resp: 39831
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.334 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.091 min
 Lab File: VY020557.D
 Acq: 09 Dec 2024 16:03

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 39831
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.1 121.7#
 89 0.2 35.1 52.7#

