

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
 Data File : VY020631.D
 Acq On : 18 Dec 2024 13:20
 Operator : SY/MD
 Sample : P5287-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 18 14:22:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 18 05:27:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	175726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	307969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	254407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	97258	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98808	51.340	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.680%
35) Dibromofluoromethane	7.634	113	98324	45.300	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.600%
50) Toluene-d8	10.103	98	366060	48.185	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.360%
62) 4-Bromofluorobenzene	12.408	95	108872	36.636	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	73.280%

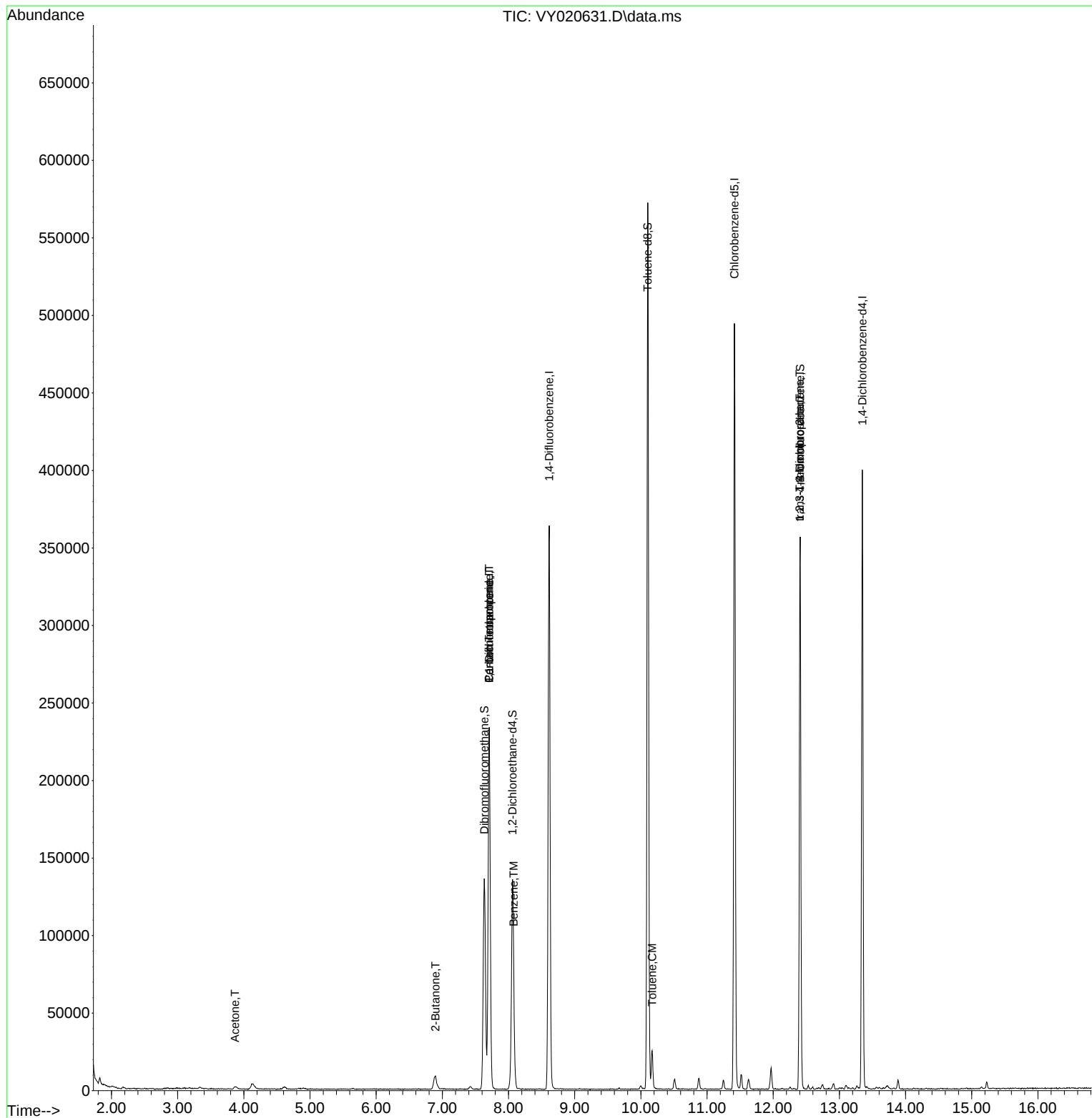
Target Compounds					Qvalue
11) Tert butyl alcohol	4.854	59	76	Below Cal	# 75
16) Acetone	3.866	43	3418	2.569	ug/l 96
25) 2-Butanone	6.896	43	1183	1.654	ug/l # 49
30) Chloroform	7.427	83	1797	Below Cal	100
36) 1,1-Dichloropropene	7.707	75	13919	3.517	ug/l # 52
38) Carbon Tetrachloride	7.707	117	18424	4.208	ug/l # 16
40) Benzene	8.079	78	18408	1.587	ug/l 98
52) Toluene	10.170	92	9822	1.362	ug/l 100
76) 1,2,3-Trichloropropane	12.401	75	57950	57.358	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.401	75	57950	120.397	ug/l # 12

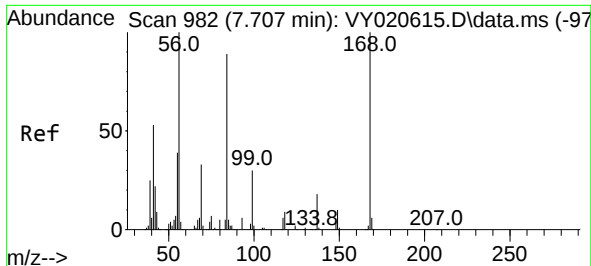
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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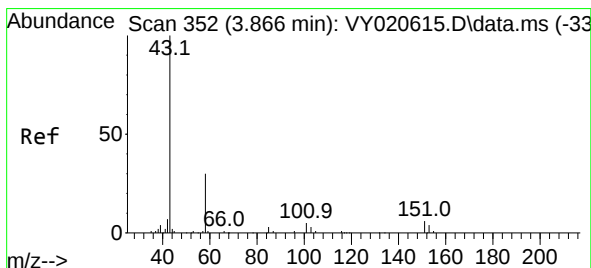
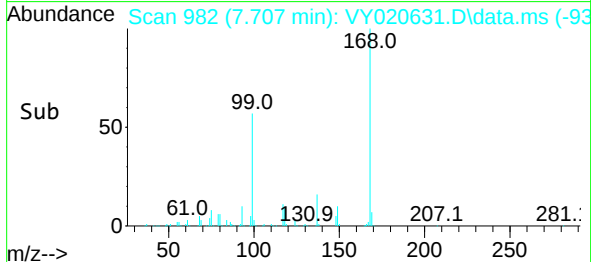
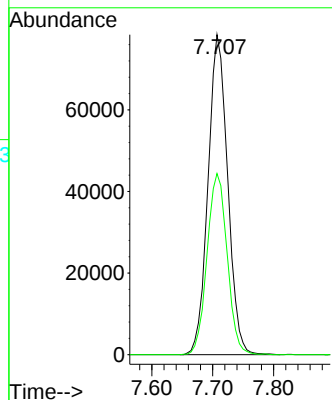
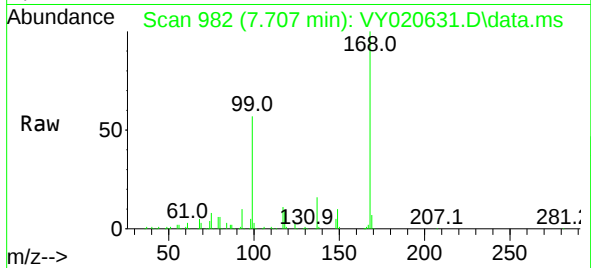




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020631.D
Acq: 18 Dec 2024 13:20

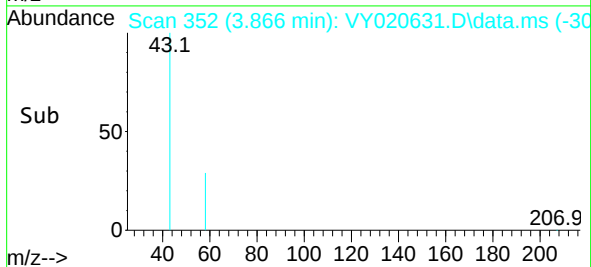
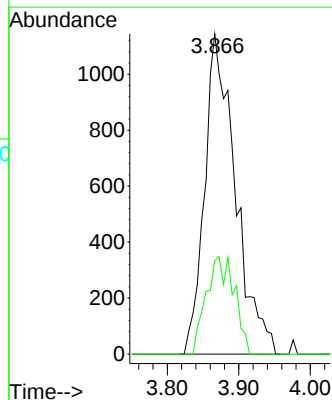
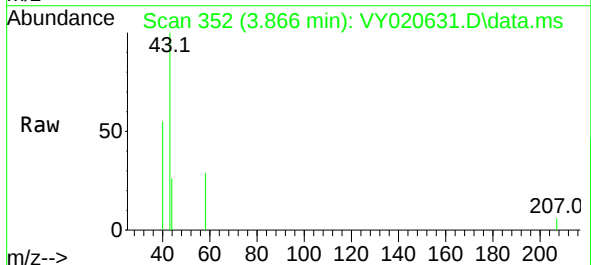
Instrument :
MSVOA_Y
ClientSampleId :

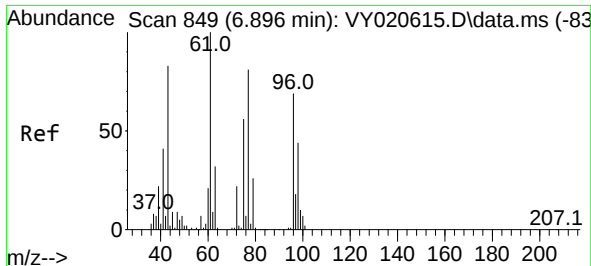
Tgt Ion:168 Resp: 175726
Ion Ratio Lower Upper
168 100
99 56.6 47.0 70.6



#16
Acetone
Concen: 2.569 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY020631.D
Acq: 18 Dec 2024 13:20

Tgt Ion: 43 Resp: 3418
Ion Ratio Lower Upper
43 100
58 29.2 25.0 37.6





#25

2-Butanone

Concen: 1.654 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

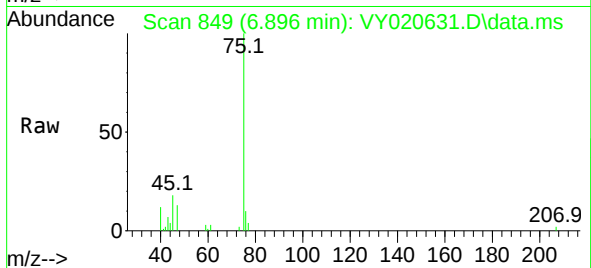
Lab File: VY020631.D

Acq: 18 Dec 2024 13:20

Instrument :

MSVOA_Y

ClientSampleId :

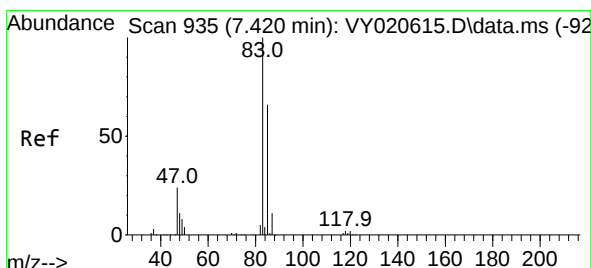
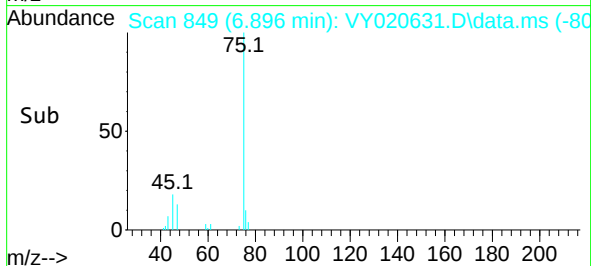
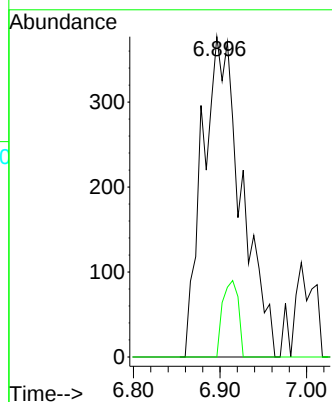


Tgt Ion: 43 Resp: 1183

Ion Ratio Lower Upper

43 100

72 0.0 20.6 31.0#



#30

Chloroform

Concen: Below Cal

RT: 7.427 min Scan# 936

Delta R.T. 0.007 min

Lab File: VY020631.D

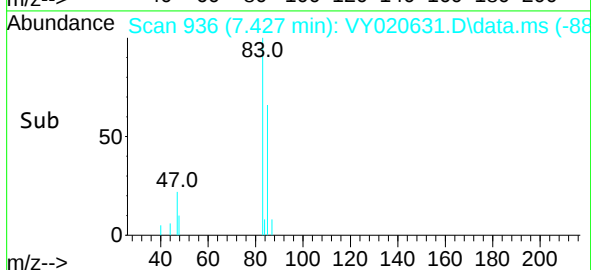
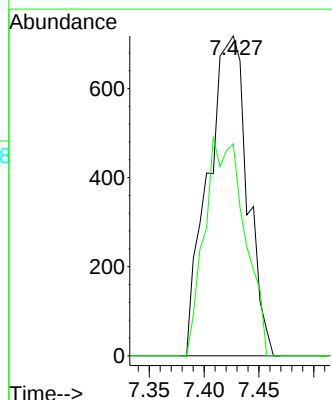
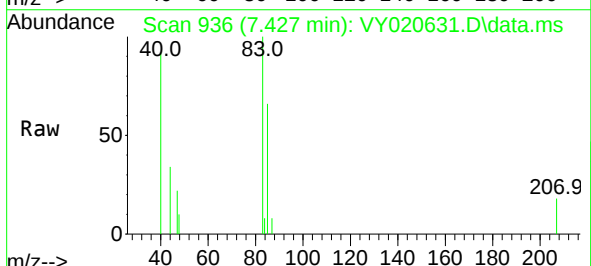
Acq: 18 Dec 2024 13:20

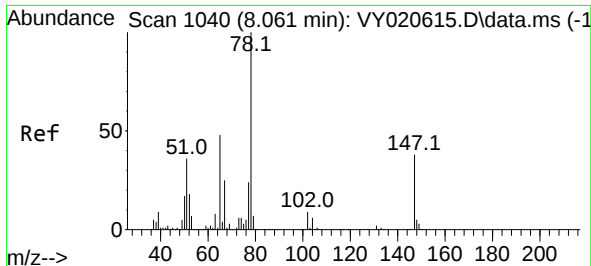
Tgt Ion: 83 Resp: 1797

Ion Ratio Lower Upper

83 100

85 66.3 52.7 79.1





#33

1,2-Dichloroethane-d4

Concen: 51.340 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY020631.D

Acq: 18 Dec 2024 13:20

Instrument :

MSVOA_Y

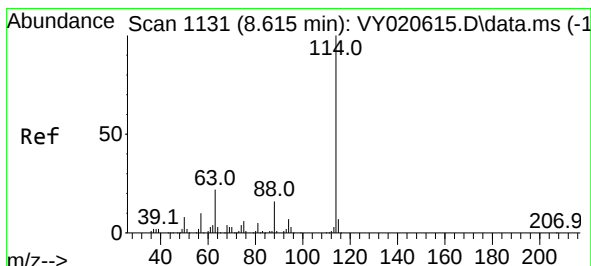
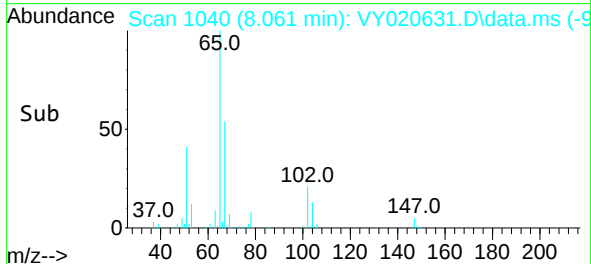
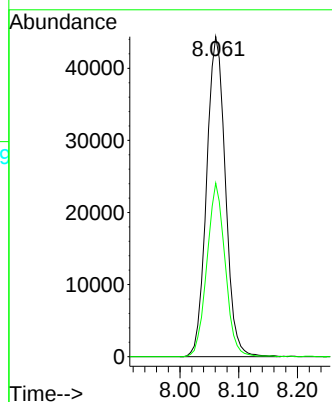
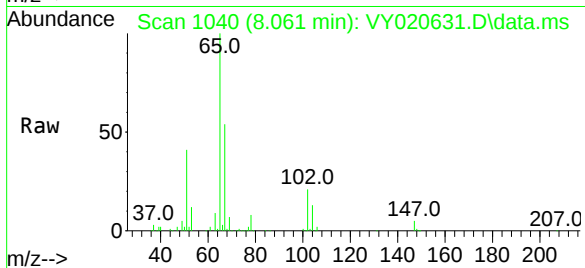
ClientSampleId :

Tgt Ion: 65 Resp: 98808

Ion Ratio Lower Upper

65 100

67 52.7 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020631.D

Acq: 18 Dec 2024 13:20

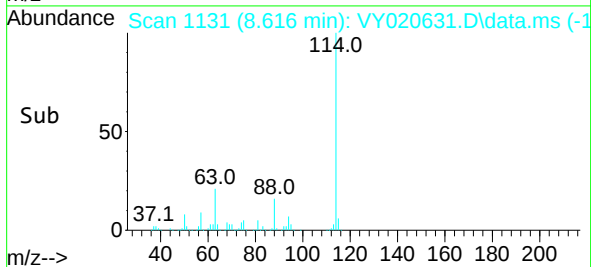
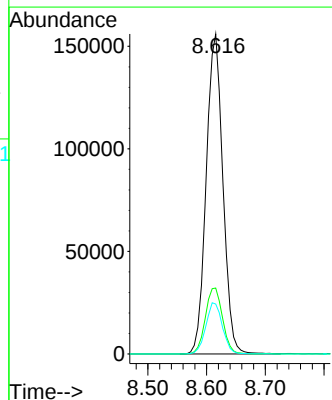
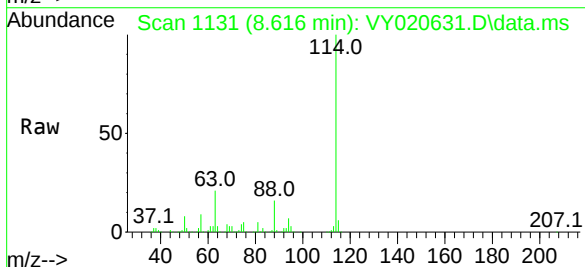
Tgt Ion: 114 Resp: 307969

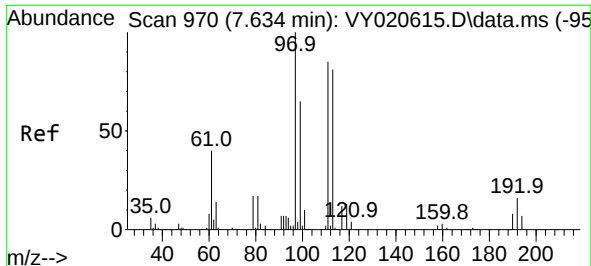
Ion Ratio Lower Upper

114 100

63 20.6 0.0 44.0

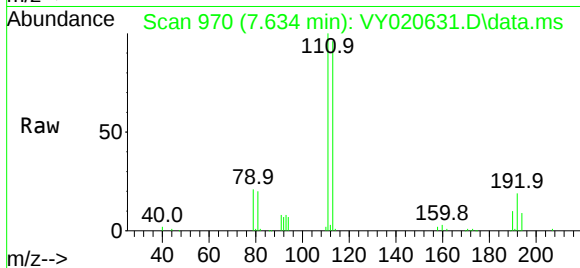
88 15.6 0.0 32.8



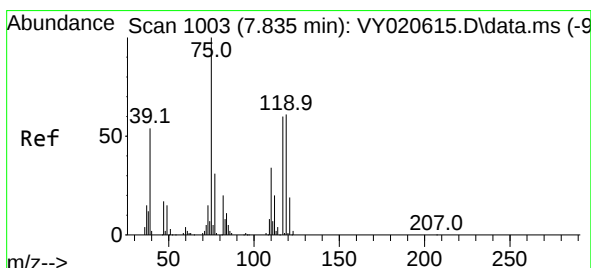
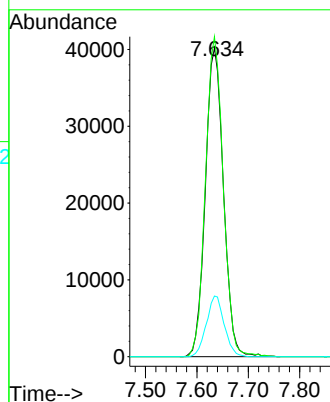
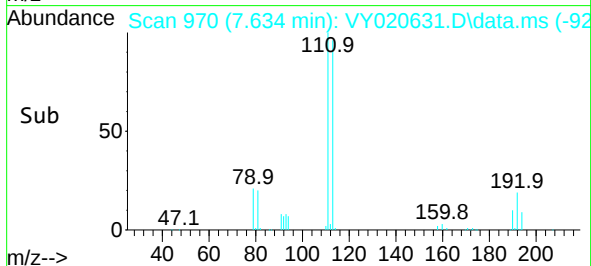


#35
Dibromofluoromethane
Concen: 45.300 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020631.D
Acq: 18 Dec 2024 13:20

Instrument :
MSVOA_Y
ClientSampleId :

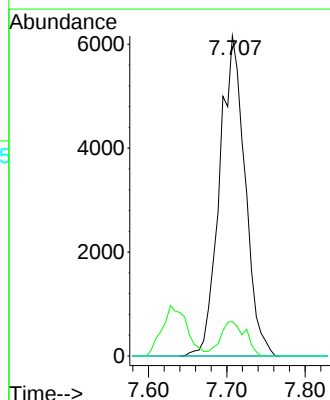
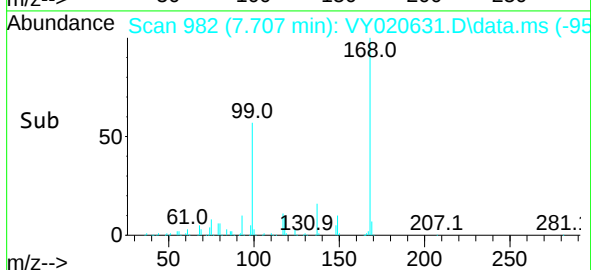
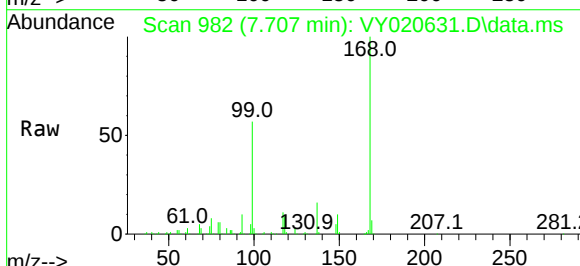


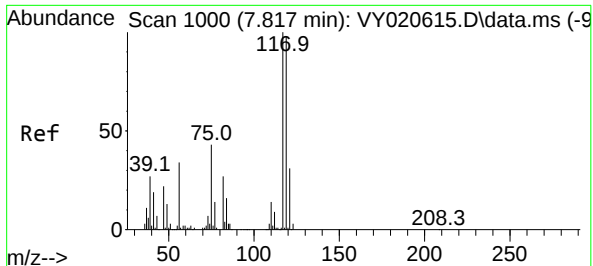
Tgt Ion:113 Resp: 98324
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 19.4 15.7 23.5



#36
1,1-Dichloropropene
Concen: 3.517 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY020631.D
Acq: 18 Dec 2024 13:20

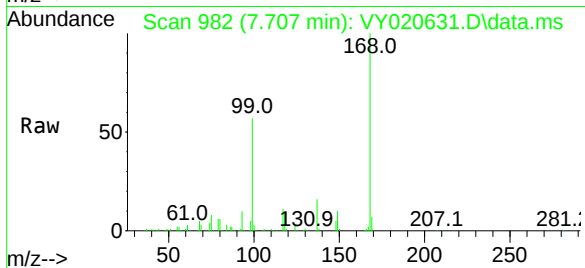
Tgt Ion: 75 Resp: 13919
Ion Ratio Lower Upper
75 100
110 10.7 16.8 50.4#
77 0.0 25.0 37.6#



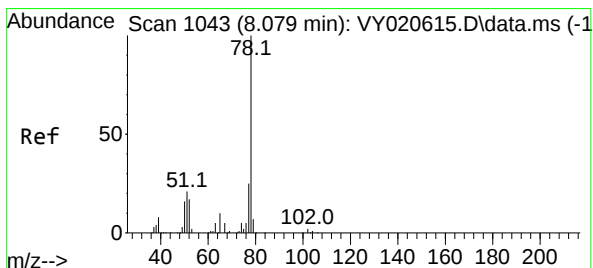
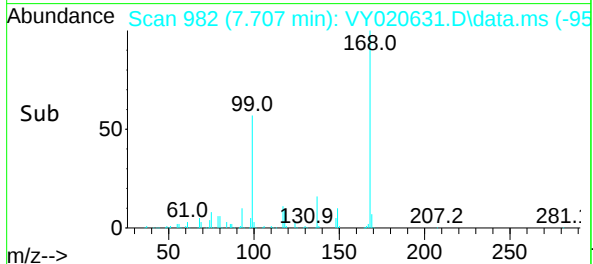
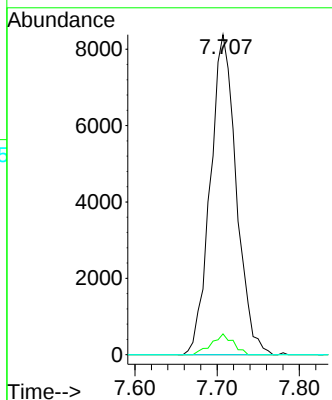


#38
Carbon Tetrachloride
Concen: 4.208 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY020631.D
Acq: 18 Dec 2024 13:20

Instrument :
MSVOA_Y
ClientSampleId :

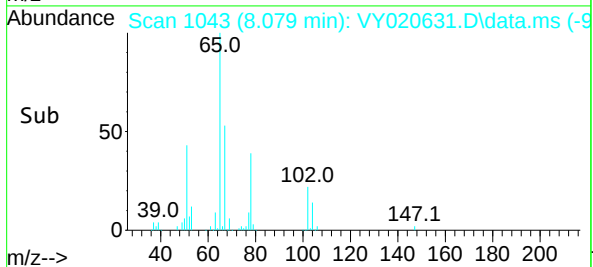
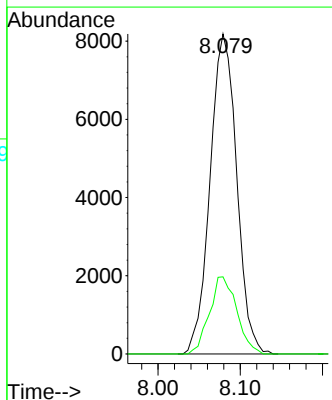
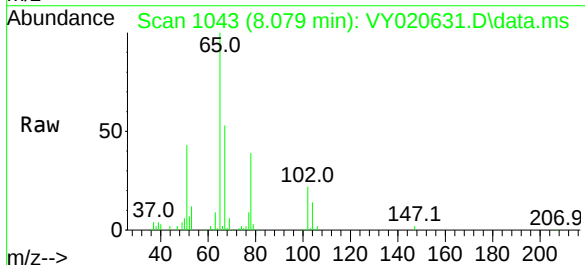


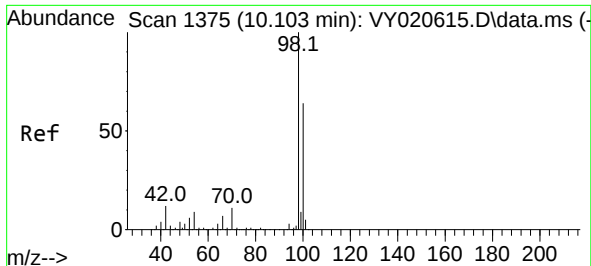
Tgt Ion:117 Resp: 18424
Ion Ratio Lower Upper
117 100
119 6.5 78.3 117.5#
121 0.0 25.1 37.7#



#40
Benzene
Concen: 1.587 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY020631.D
Acq: 18 Dec 2024 13:20

Tgt Ion: 78 Resp: 18408
Ion Ratio Lower Upper
78 100
77 24.1 20.1 30.1

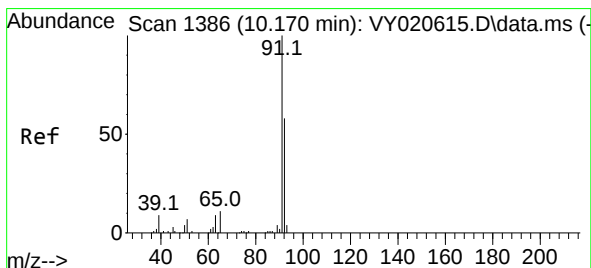
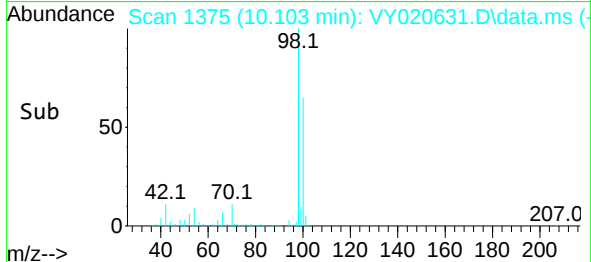
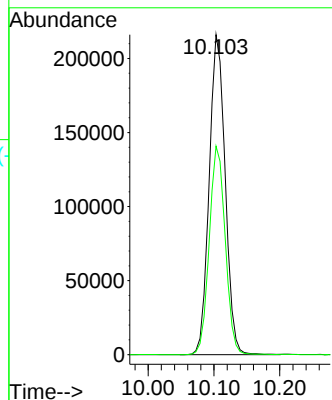
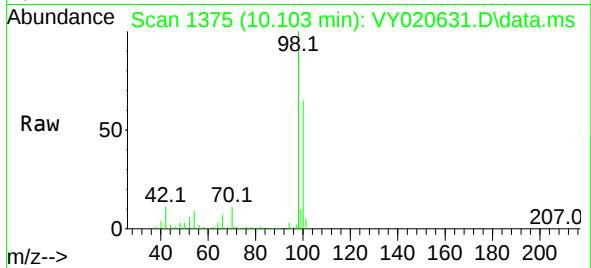




#50
Toluene-d8
Concen: 48.185 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020631.D
Acq: 18 Dec 2024 13:20

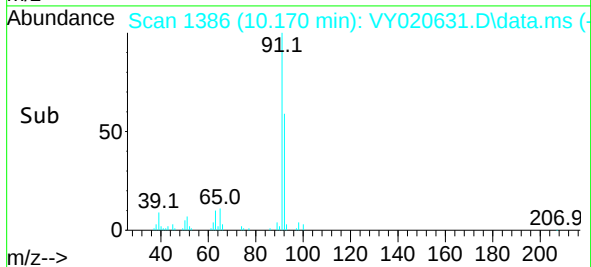
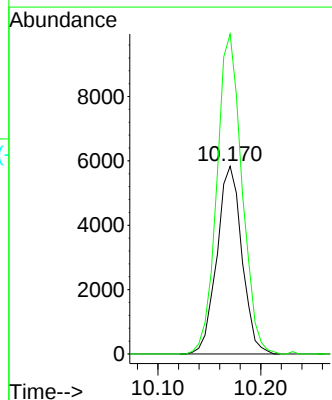
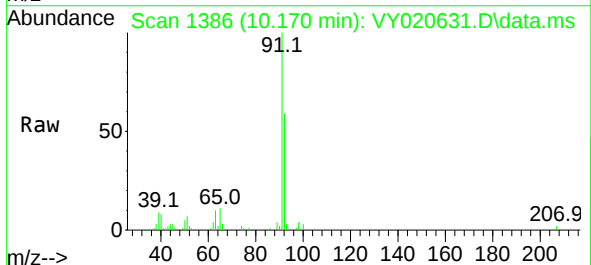
Instrument :
MSVOA_Y
ClientSampleId :

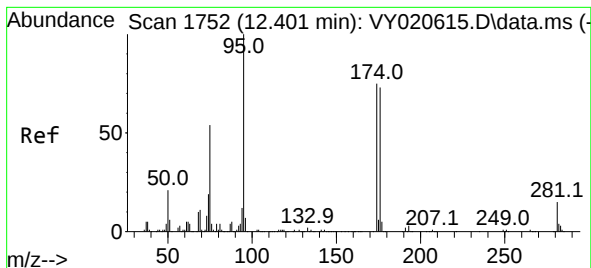
Tgt Ion: 98 Resp: 366060
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#52
Toluene
Concen: 1.362 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY020631.D
Acq: 18 Dec 2024 13:20

Tgt Ion: 92 Resp: 9822
Ion Ratio Lower Upper
92 100
91 171.6 137.4 206.0

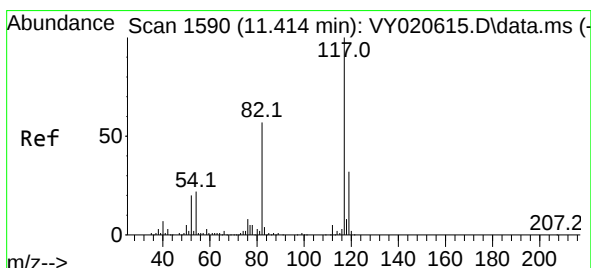
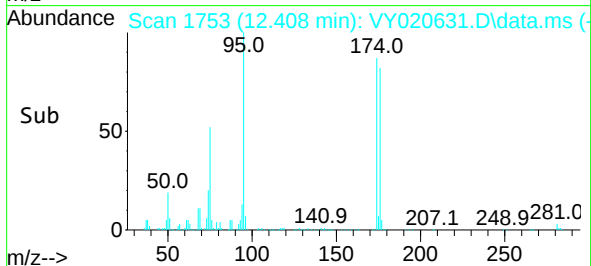
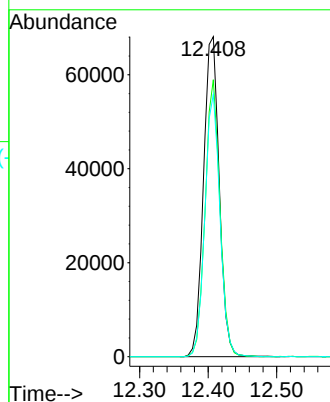
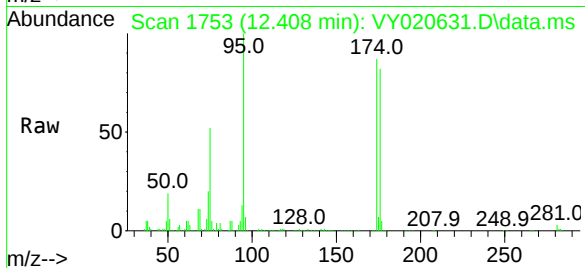




#62
4-Bromofluorobenzene
Concen: 36.636 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020631.D
Acq: 18 Dec 2024 13:20

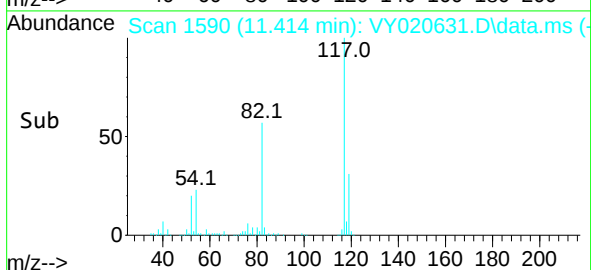
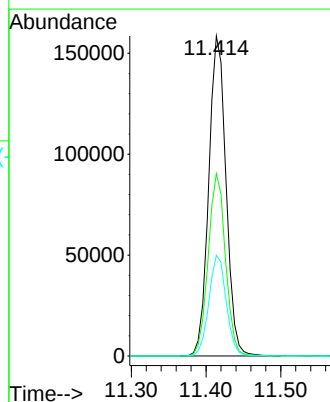
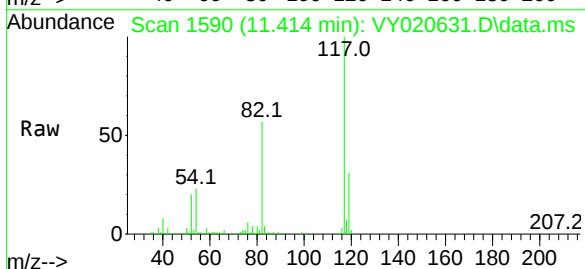
Instrument :
MSVOA_Y
ClientSampleId :

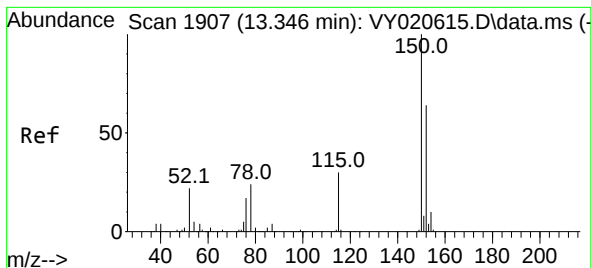
Tgt Ion: 95 Resp: 108872
Ion Ratio Lower Upper
95 100
174 81.5 0.0 161.8
176 78.7 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY020631.D
Acq: 18 Dec 2024 13:20

Tgt Ion: 117 Resp: 254407
Ion Ratio Lower Upper
117 100
82 57.0 45.8 68.6
119 31.5 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020631.D

Acq: 18 Dec 2024 13:20

Instrument :

MSVOA_Y

ClientSampleId :

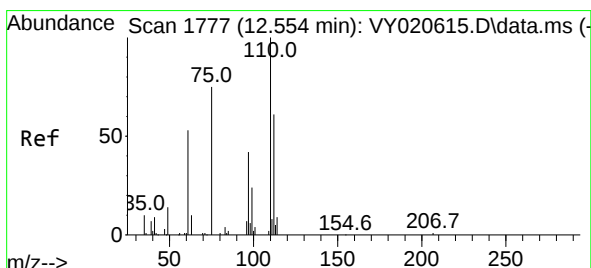
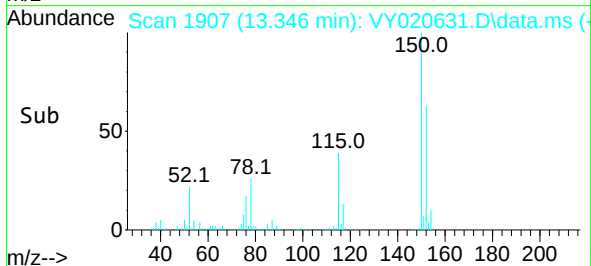
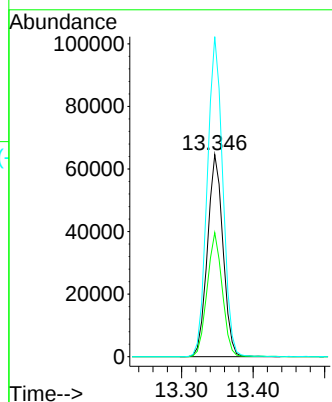
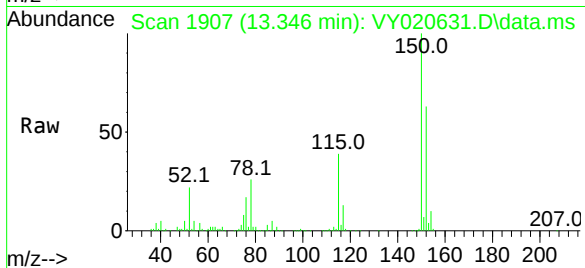
Tgt Ion:152 Resp: 97258

Ion Ratio Lower Upper

152 100

115 60.0 30.2 90.6

150 158.5 0.0 355.4



#76

1,2,3-Trichloropropane

Concen: 57.358 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY020631.D

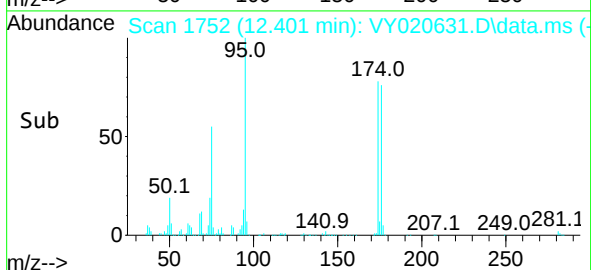
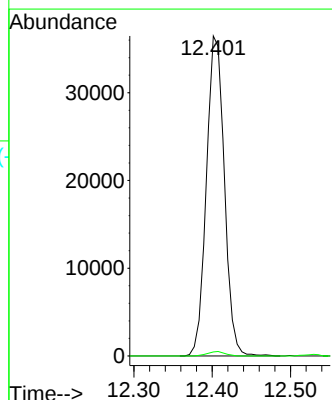
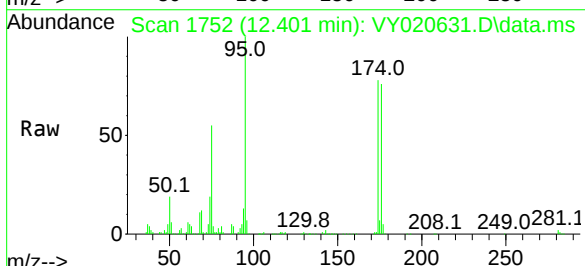
Acq: 18 Dec 2024 13:20

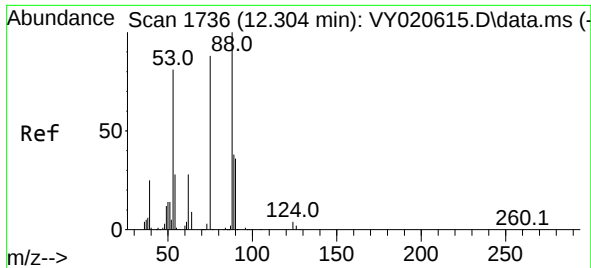
Tgt Ion: 75 Resp: 57950

Ion Ratio Lower Upper

75 100

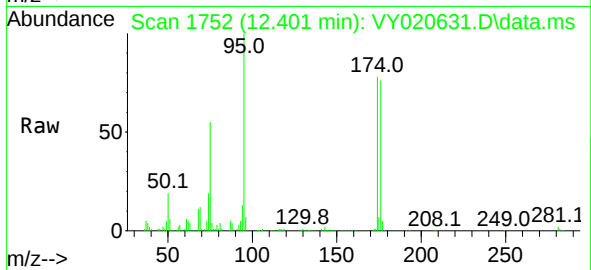
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.397 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY020631.D
 Acq: 18 Dec 2024 13:20

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 57950
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.4 113.2#
 89 0.1 37.0 55.4#

