

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY009011.D
 Acq On : 23 May 2022 17:04
 Operator : KP/MD
 Sample : N2982-10
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P-10

Quant Time: May 24 01:49:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

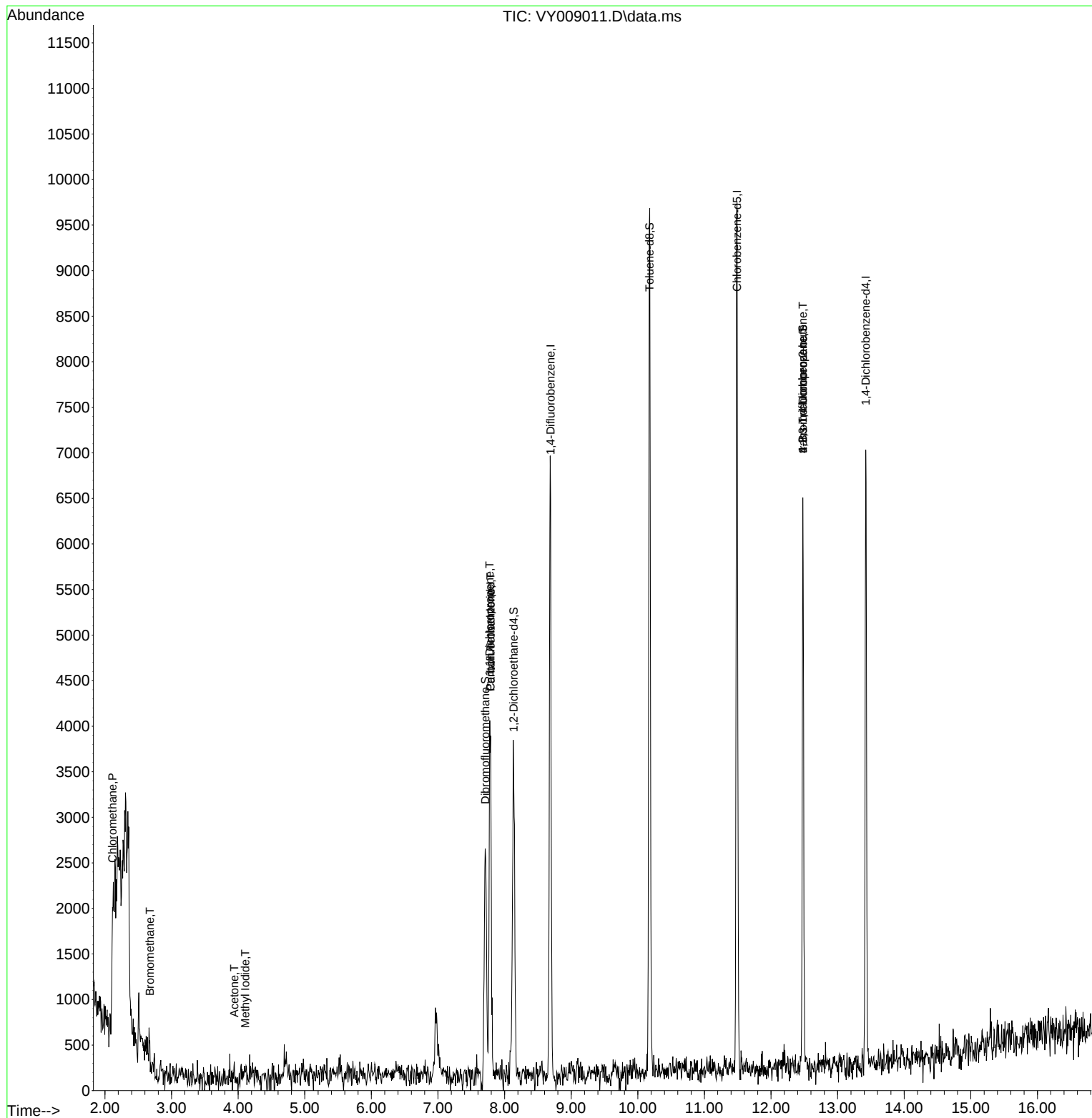
Internal Standards						
1) Pentafluorobenzene	7.789	168	3420	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	5334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	4962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	1907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	2504	71.140	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 142.280%	
35) Dibromofluoromethane	7.710	113	1914	57.704	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.400%	
50) Toluene-d8	10.179	98	6686	54.640	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.280%	
62) 4-Bromofluorobenzene	12.477	95	1484	30.064	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 60.120%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	304	6.784	ug/l #	53
5) Bromomethane	2.674	94	111	1.706	ug/l #	65
10) Methyl Iodide	4.107	142	262	7.322	ug/l #	35
16) Acetone	3.942	43	83	11.328	ug/l #	47
20) Methylene Chloride	4.686	84	88	Below Cal	#	1
36) 1,1-Dichloropropene	7.777	75	252	4.464	ug/l #	42
38) Carbon Tetrachloride	7.789	117	384	6.503	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	1101	53.763	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	1101	110.348	ug/l #	7

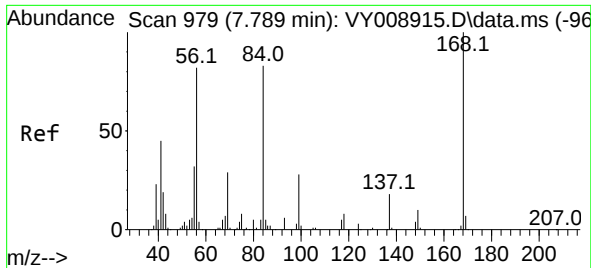
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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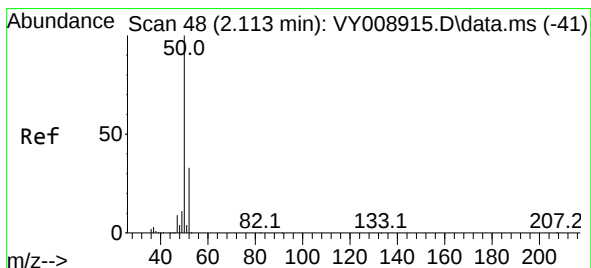
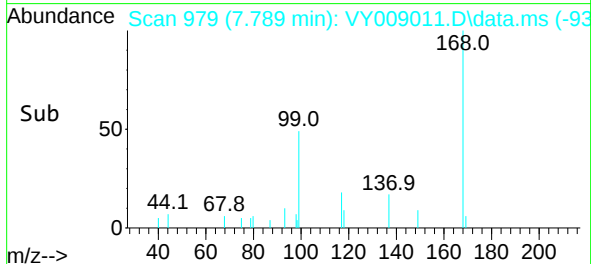
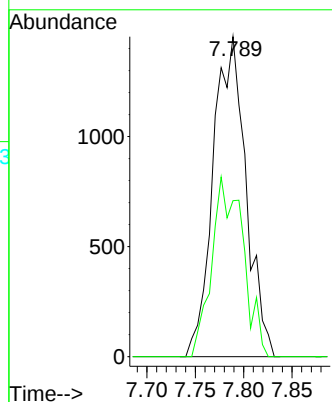
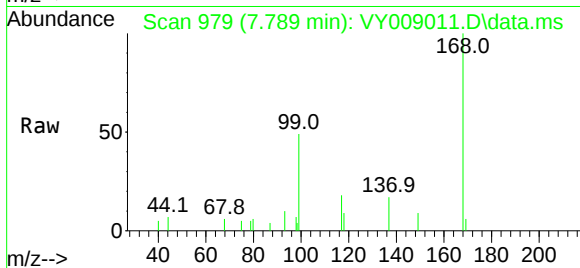




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009011.D
Acq: 23 May 2022 17:04

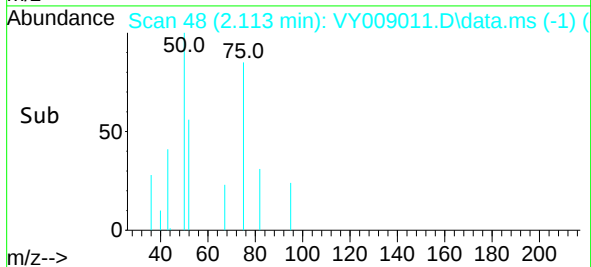
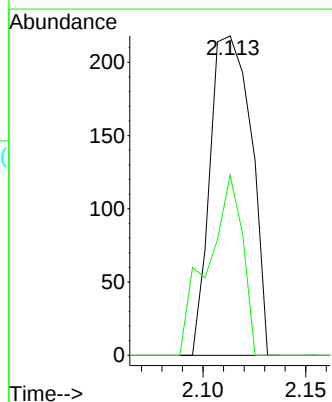
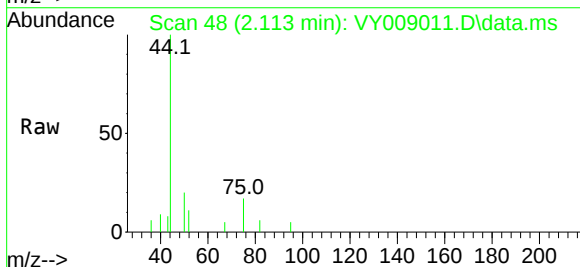
Instrument :
MSVOA_Y
ClientSampleId :
P-10

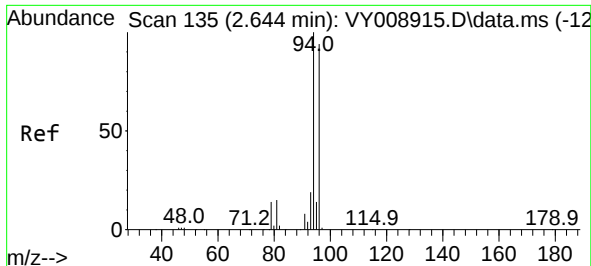
Tgt Ion:168 Resp: 3420
Ion Ratio Lower Upper
168 100
99 48.8 46.9 70.3



#3
Chloromethane
Concen: 6.784 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY009011.D
Acq: 23 May 2022 17:04

Tgt Ion: 50 Resp: 304
Ion Ratio Lower Upper
50 100
52 56.4 24.6 37.0#





#5

Bromomethane

Concen: 1.706 ug/l

RT: 2.674 min Scan# 14

Delta R.T. 0.030 min

Lab File: VY009011.D

Acq: 23 May 2022 17:04

Instrument :

MSVOA_Y

ClientSampleId :

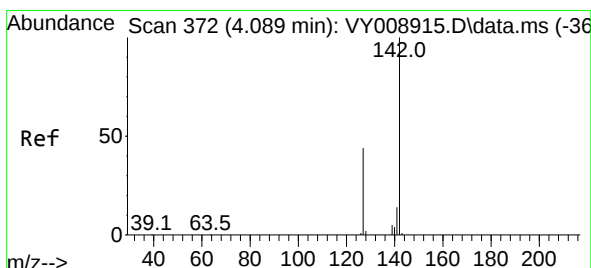
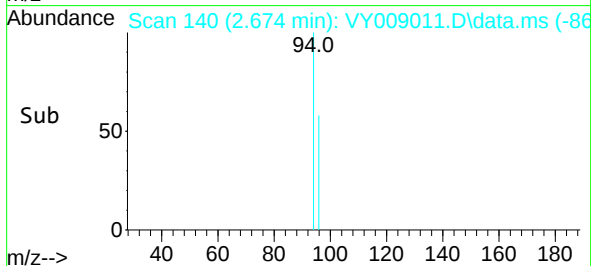
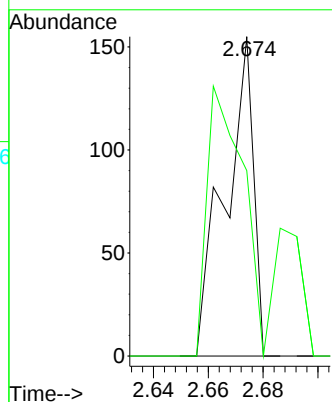
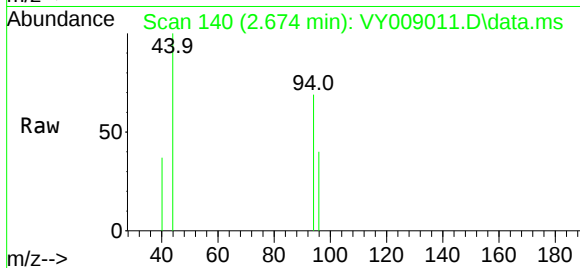
P-10

Tgt Ion: 94 Resp: 111

Ion Ratio Lower Upper

94 100

96 58.1 73.5 110.3#



#10

Methyl Iodide

Concen: 7.322 ug/l

RT: 4.107 min Scan# 375

Delta R.T. 0.018 min

Lab File: VY009011.D

Acq: 23 May 2022 17:04

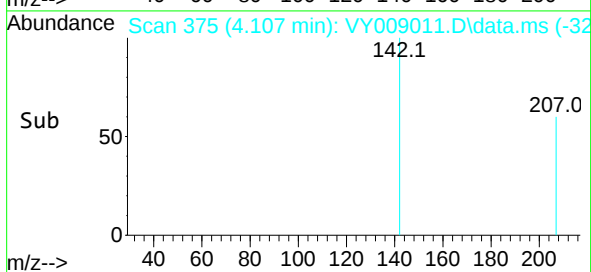
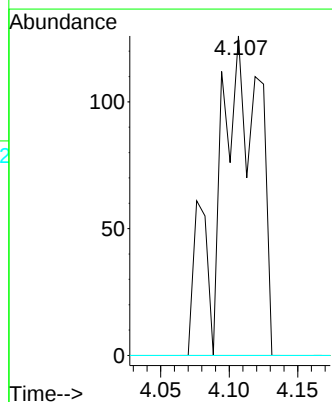
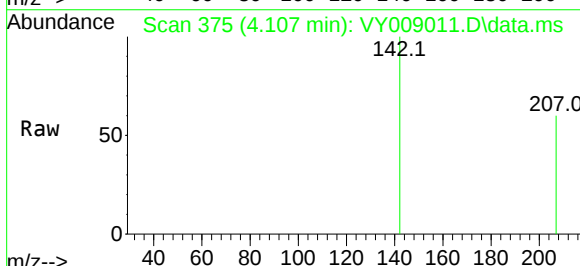
Tgt Ion:142 Resp: 262

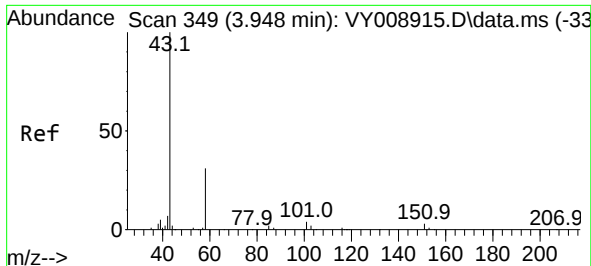
Ion Ratio Lower Upper

142 100

127 0.0 41.5 62.3#

141 0.0 11.9 17.9#

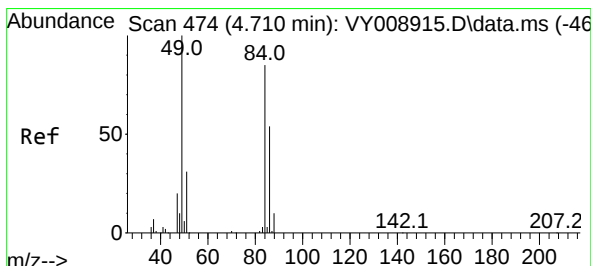
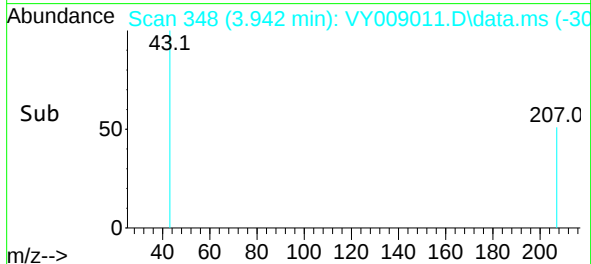
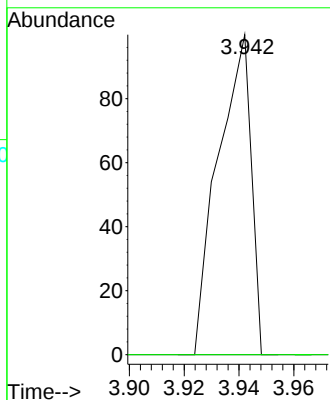
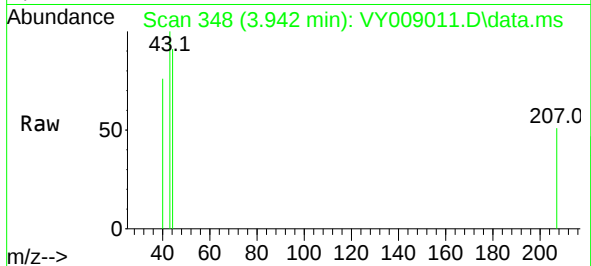




#16
Acetone
Concen: 11.328 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY009011.D
Acq: 23 May 2022 17:04

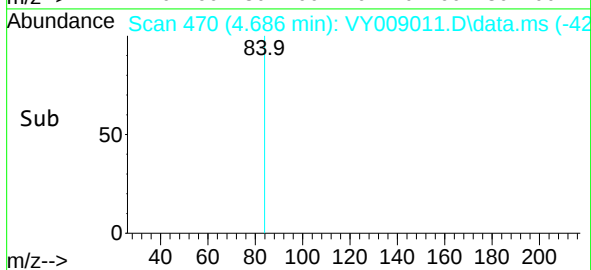
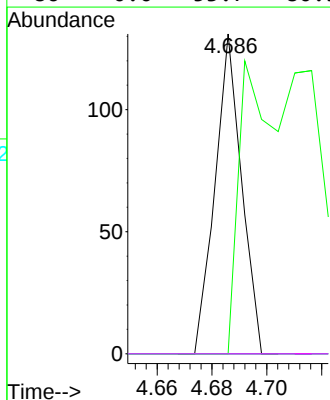
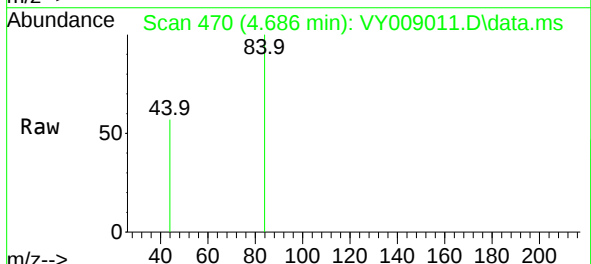
Instrument :
MSVOA_Y
ClientSampleId :
P-10

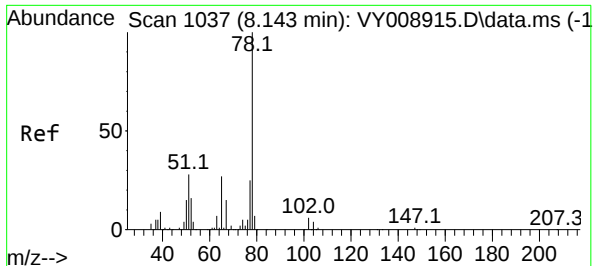
Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.686 min Scan# 470
Delta R.T. -0.024 min
Lab File: VY009011.D
Acq: 23 May 2022 17:04

Tgt Ion: 84 Resp: 88
Ion Ratio Lower Upper
84 100
49 0.0 114.4 171.6#
51 0.0 35.3 52.9#
86 0.0 53.7 80.5#





#33

1,2-Dichloroethane-d4

Concen: 71.140 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY009011.D

Acq: 23 May 2022 17:04

Instrument :

MSVOA_Y

ClientSampleId :

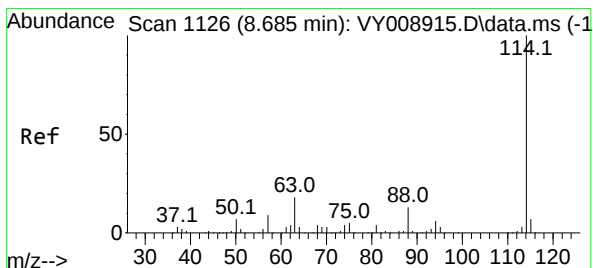
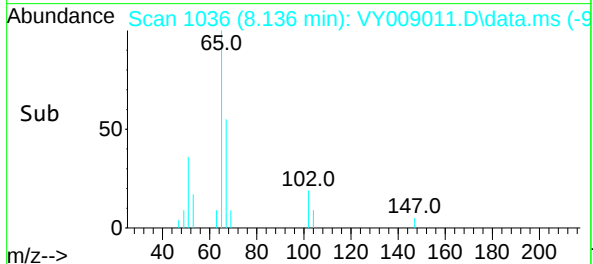
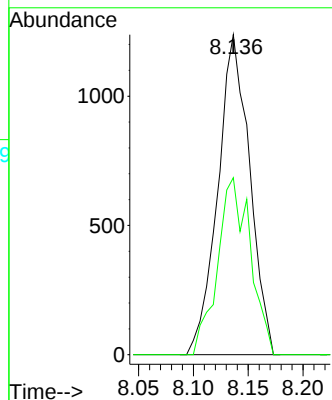
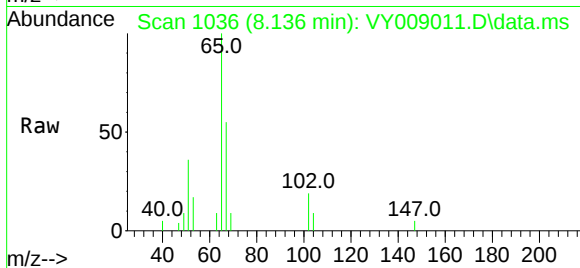
P-10

Tgt Ion: 65 Resp: 2504

Ion Ratio Lower Upper

65 100

67 56.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY009011.D

Acq: 23 May 2022 17:04

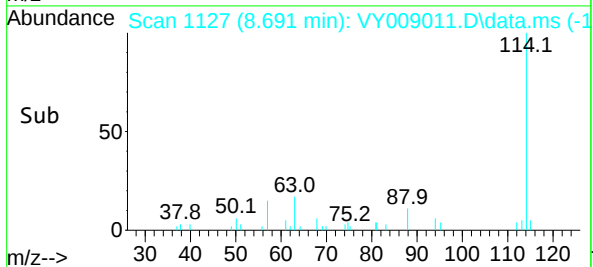
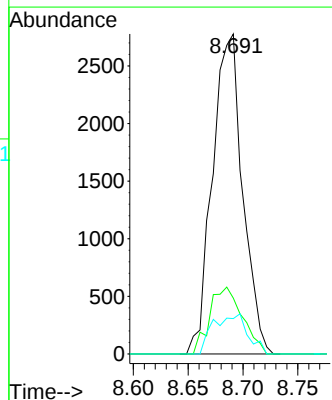
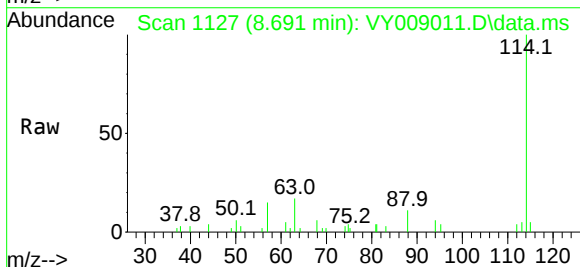
Tgt Ion: 114 Resp: 5334

Ion Ratio Lower Upper

114 100

63 17.5 0.0 43.2

88 11.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 57.704 ug/l

RT: 7.710 min Scan# 910

Delta R.T. -0.006 min

Lab File: VY009011.D

Acq: 23 May 2022 17:04

Instrument :

MSVOA_Y

ClientSampleId :

P-10

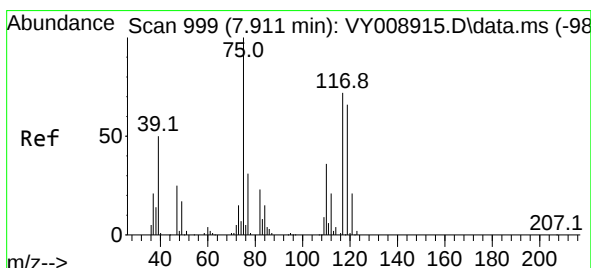
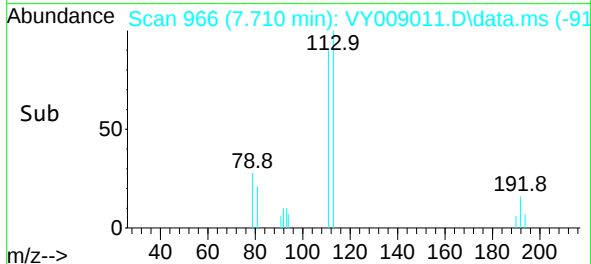
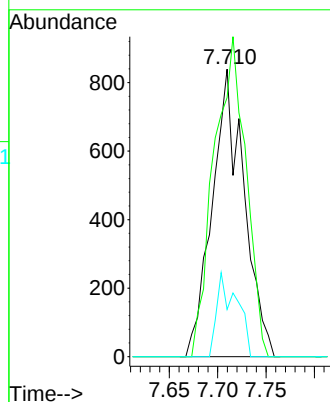
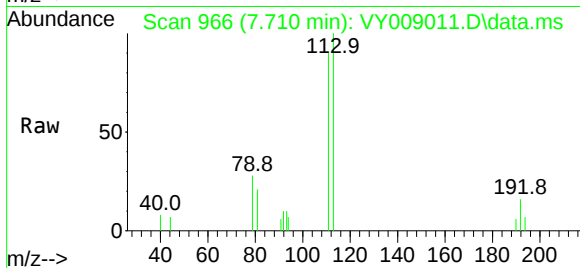
Tgt Ion:113 Resp: 1914

Ion Ratio Lower Upper

113 100

111 112.3 82.6 124.0

192 18.3 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.464 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.134 min

Lab File: VY009011.D

Acq: 23 May 2022 17:04

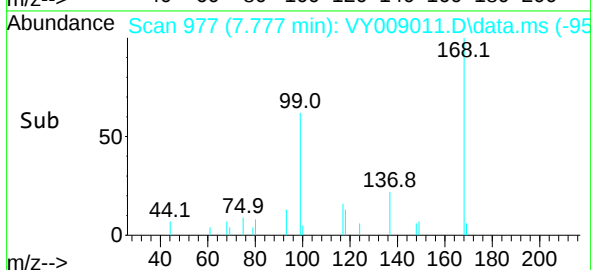
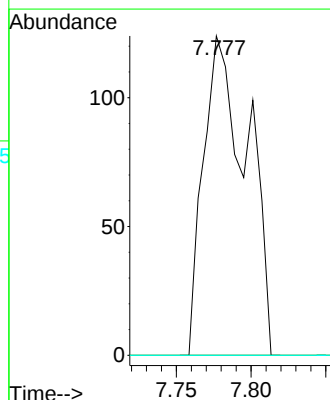
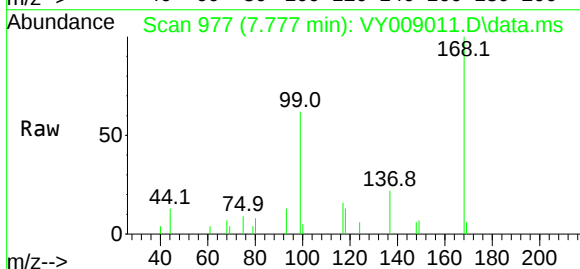
Tgt Ion: 75 Resp: 252

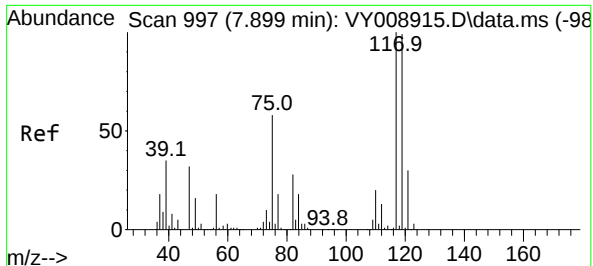
Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

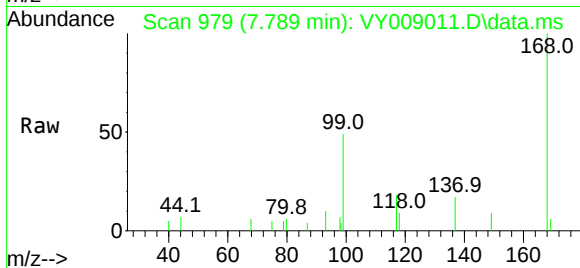
77 0.0 24.4 36.6#



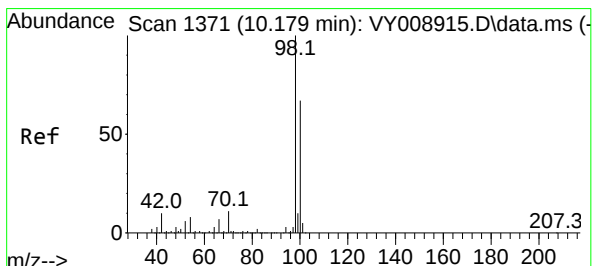
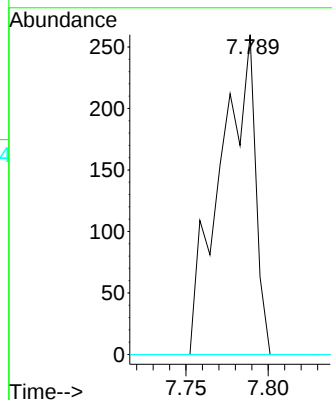
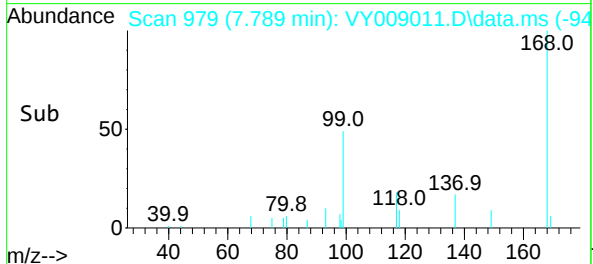


#38
Carbon Tetrachloride
Concen: 6.503 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009011.D
Acq: 23 May 2022 17:04

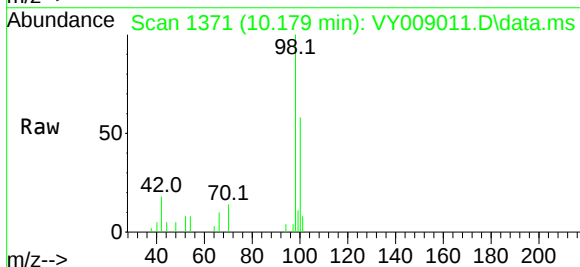
Instrument :
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ClientSampleId :
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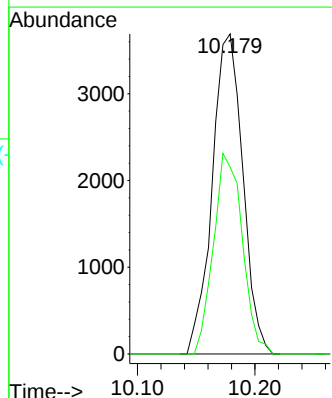
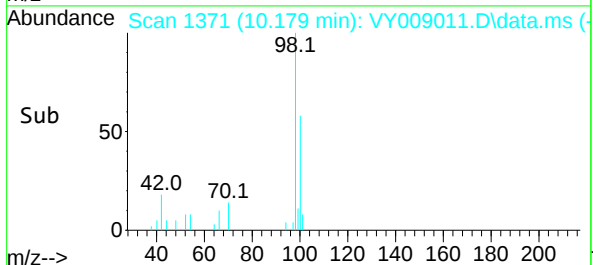
Tgt Ion:117 Resp: 384
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.640 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009011.D
Acq: 23 May 2022 17:04



Tgt Ion: 98 Resp: 6686
Ion Ratio Lower Upper
98 100
100 59.0 50.2 75.2

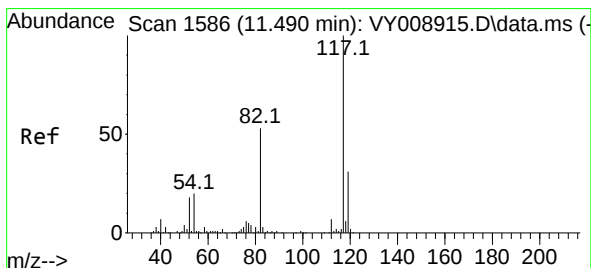
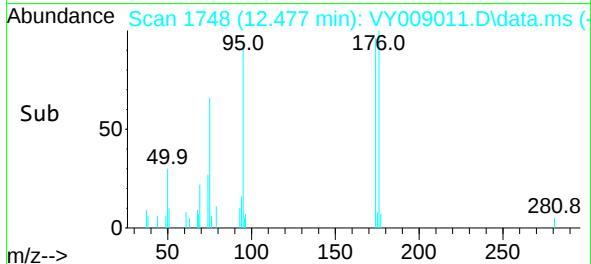
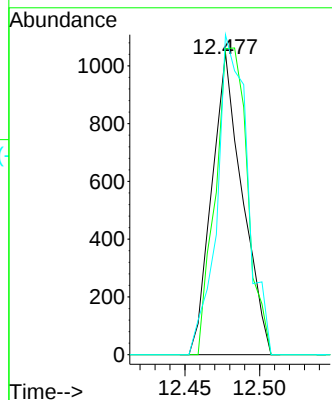
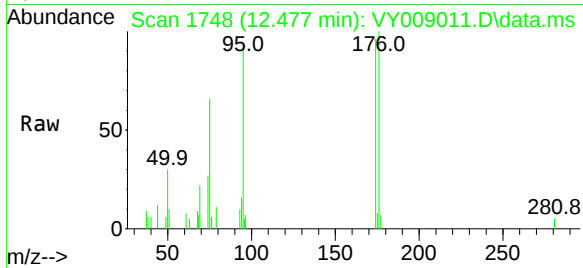




#62
4-Bromofluorobenzene
Concen: 30.064 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY009011.D
Acq: 23 May 2022 17:04

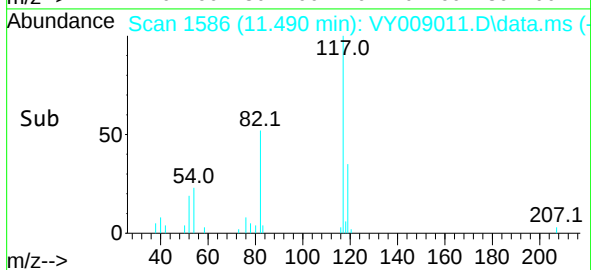
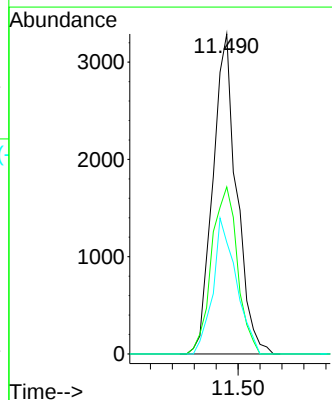
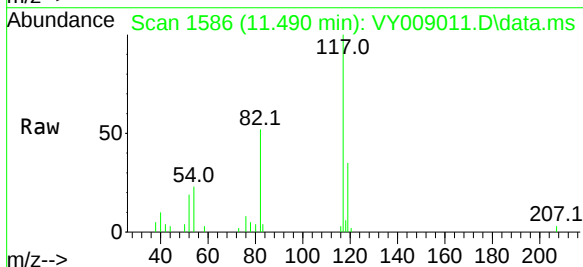
Instrument :
MSVOA_Y
ClientSampleId :
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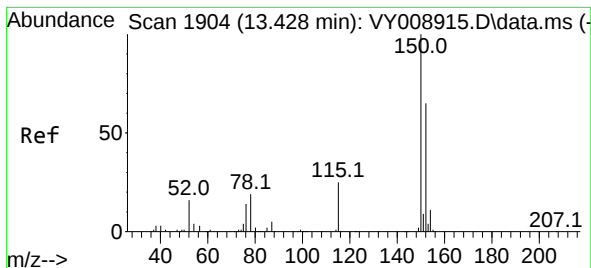
Tgt Ion: 95 Resp: 1484
Ion Ratio Lower Upper
95 100
174 106.8 0.0 177.0
176 105.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY009011.D
Acq: 23 May 2022 17:04

Tgt Ion: 117 Resp: 4962
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.4
119 34.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY009011.D

Acq: 23 May 2022 17:04

Instrument :

MSVOA_Y

ClientSampleId :

P-10

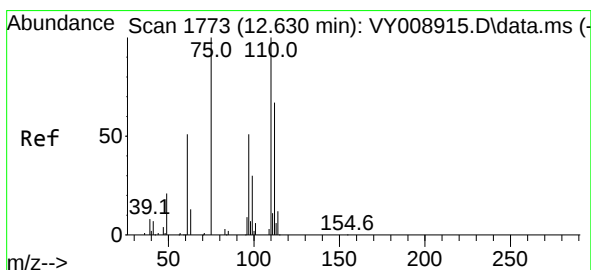
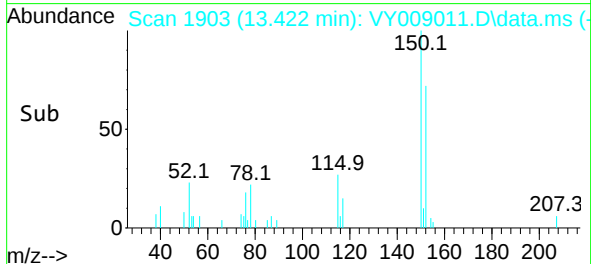
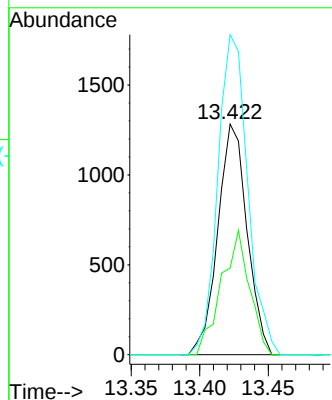
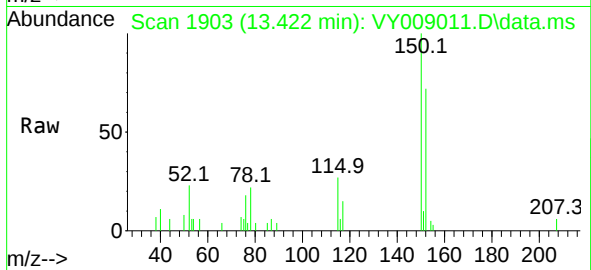
Tgt Ion:152 Resp: 1907

Ion Ratio Lower Upper

152 100

115 51.9 28.2 84.7

150 141.6 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 53.763 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY009011.D

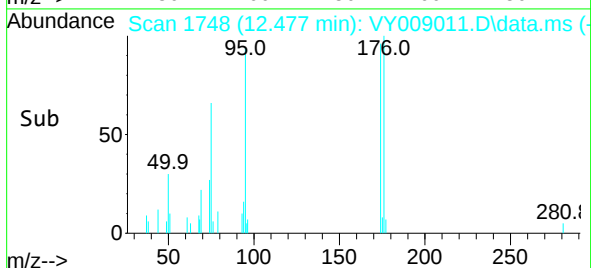
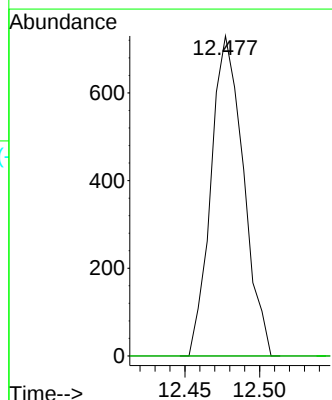
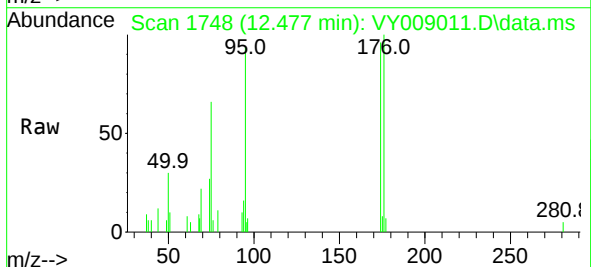
Acq: 23 May 2022 17:04

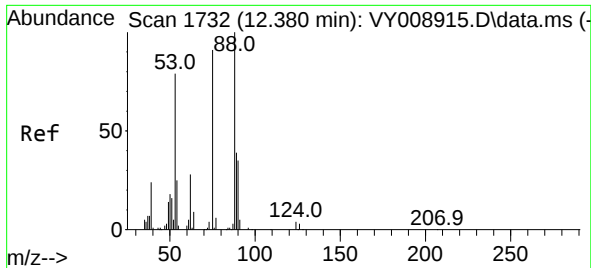
Tgt Ion: 75 Resp: 1101

Ion Ratio Lower Upper

75 100

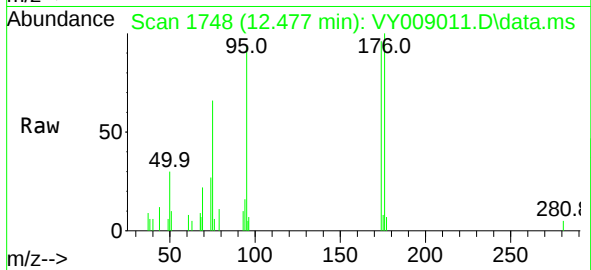
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.348 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY009011.D
 Acq: 23 May 2022 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 P-10



Tgt Ion:	75	Resp:	1101
Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.3	127.9#
89	0.0	37.0	55.4#

