

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052522\
 Data File : VY009088.D
 Acq On : 25 May 2022 14:32
 Operator : KP/MD
 Sample : N2981-16
 Misc : 3.31g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-8(4-4.5)

Quant Time: May 26 04:28:34 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)

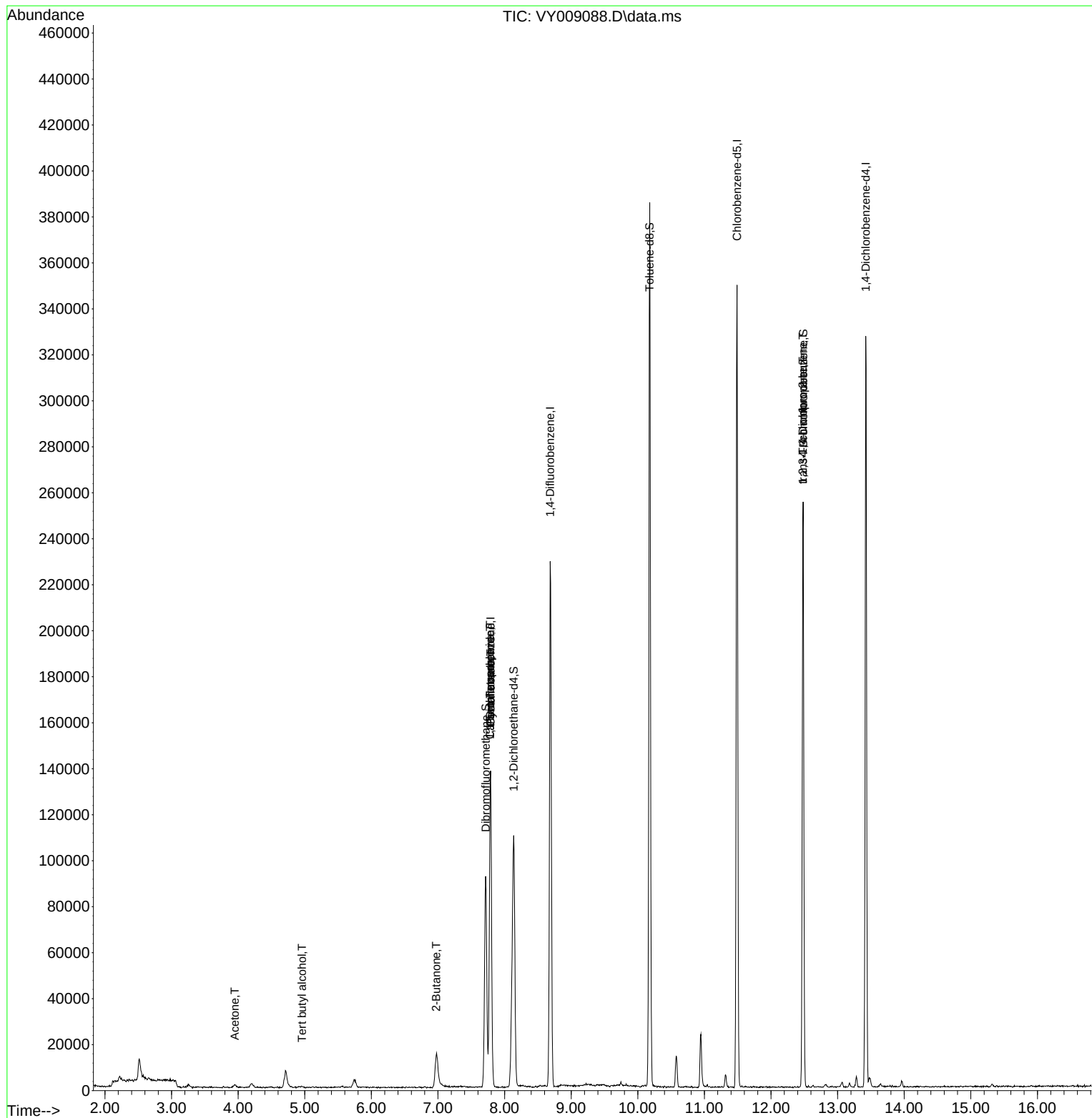
Internal Standards						
1) Pentafluorobenzene	7.789	168	103818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	190297	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	178631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	79012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	66254	62.008	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.020%	
35) Dibromofluoromethane	7.716	113	62461	52.783	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.560%	
50) Toluene-d8	10.179	98	235584	53.965	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.920%	
62) 4-Bromofluorobenzene	12.483	95	67642	38.411	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 76.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	204	1.882	ug/l #	77
16) Acetone	3.948	43	1993	8.961	ug/l #	89
20) Methylene Chloride	4.716	84	4804	Below Cal	#	88
25) 2-Butanone	6.972	43	989	2.490	ug/l #	54
31) Cyclohexane	7.789	56	2495	1.194	ug/l #	6
36) 1,1-Dichloropropene	7.783	75	9288	4.612	ug/l #	50
38) Carbon Tetrachloride	7.783	117	10722	5.090	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	39577	46.644	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	39577	95.737	ug/l #	7

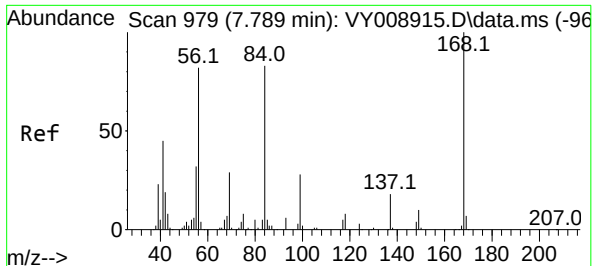
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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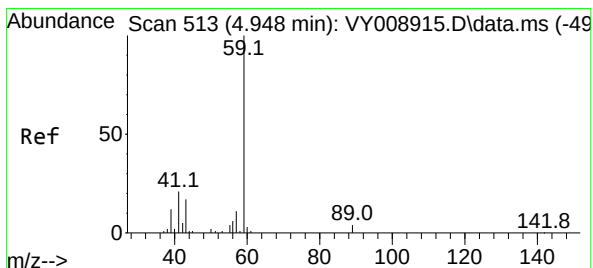
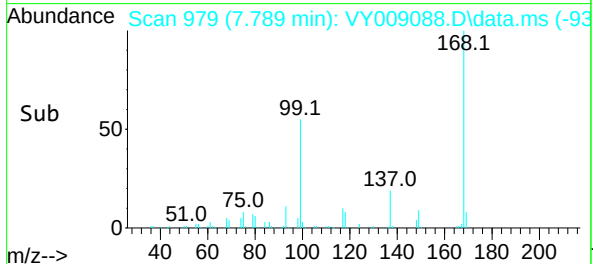
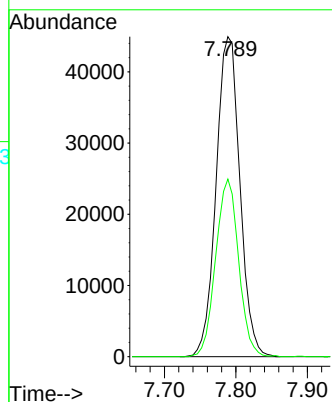
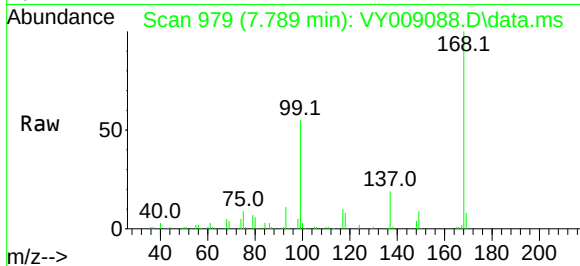




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009088.D
Acq: 25 May 2022 14:32

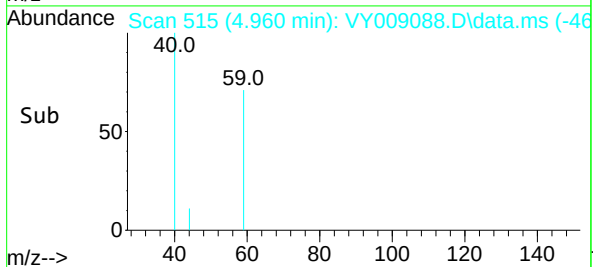
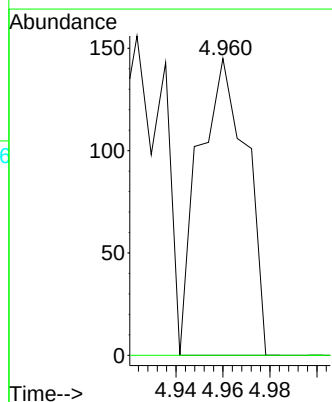
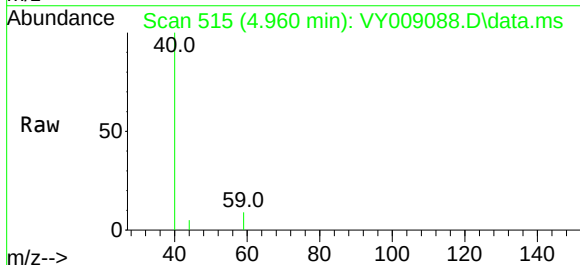
Instrument :
MSVOA_Y
ClientSampleId :
SB-8(4-4.5)

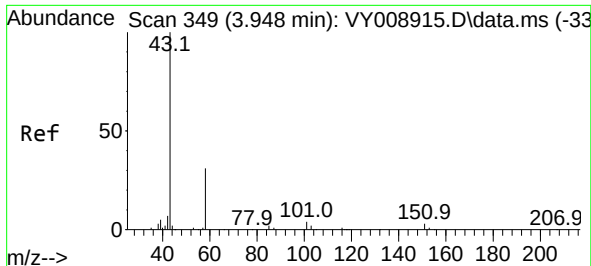
Tgt Ion:168 Resp: 103818
Ion Ratio Lower Upper
168 100
99 55.5 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.882 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY009088.D
Acq: 25 May 2022 14:32

Tgt Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

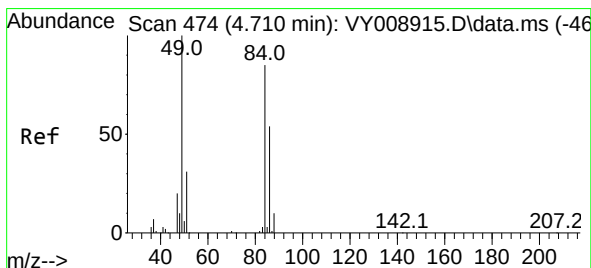
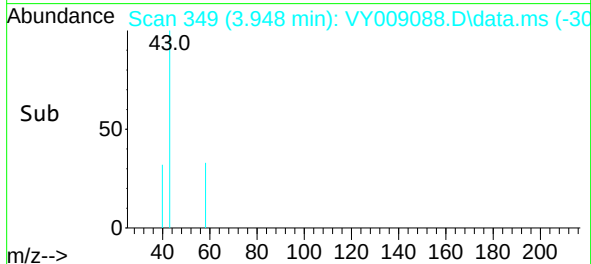
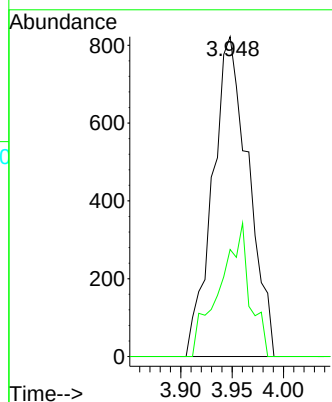
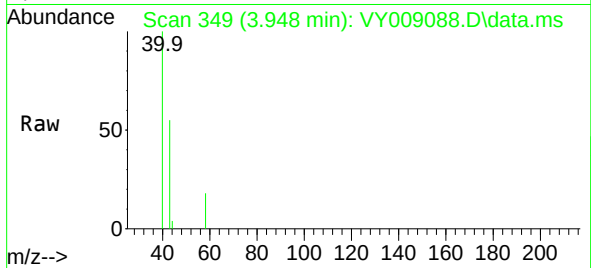




#16
Acetone
Concen: 8.961 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY009088.D
Acq: 25 May 2022 14:32

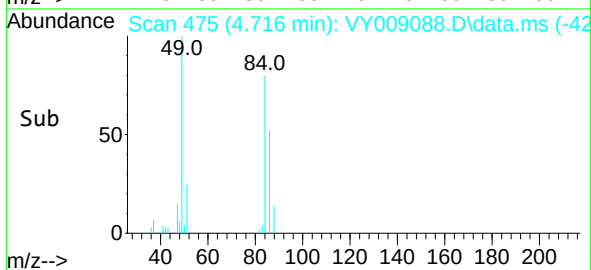
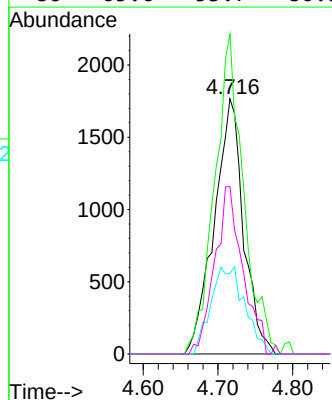
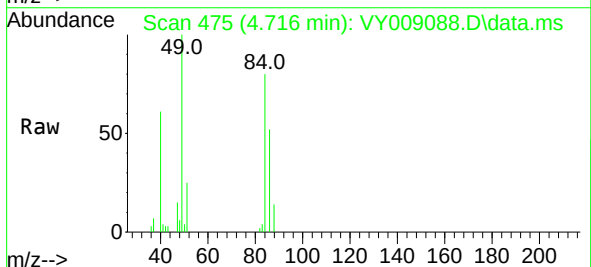
Instrument :
MSVOA_Y
ClientSampleId :
SB-8(4-4.5)

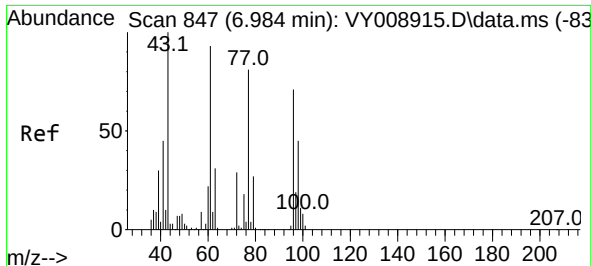
Tgt Ion: 43 Resp: 1993
Ion Ratio Lower Upper
43 100
58 33.5 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY009088.D
Acq: 25 May 2022 14:32

Tgt Ion: 84 Resp: 4804
Ion Ratio Lower Upper
84 100
49 125.4 114.4 171.6
51 31.5 35.3 52.9#
86 65.6 53.7 80.5

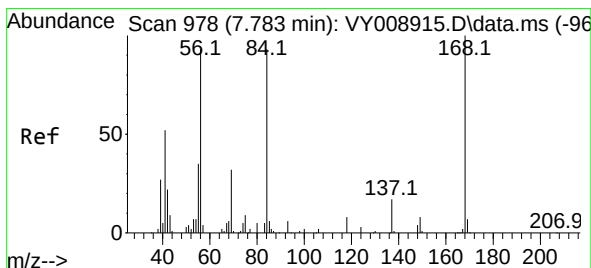
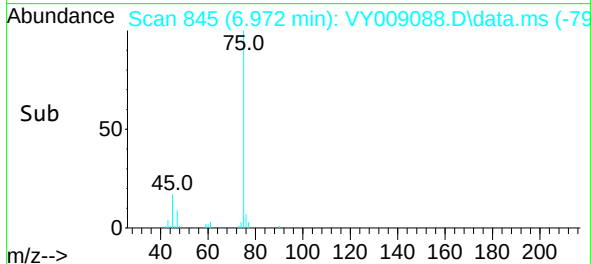
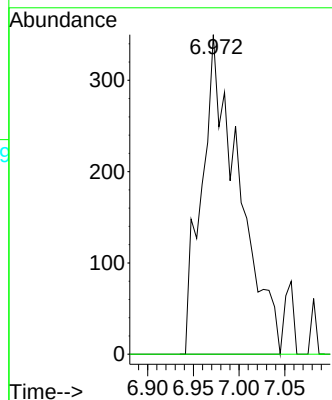
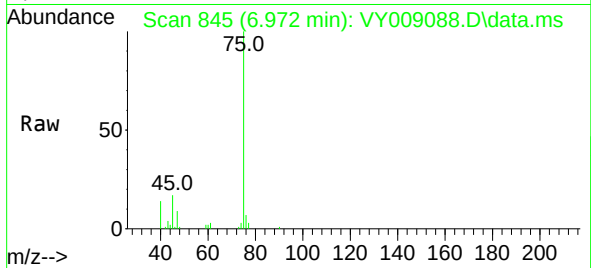




#25
2-Butanone
Concen: 2.490 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY009088.D
Acq: 25 May 2022 14:32

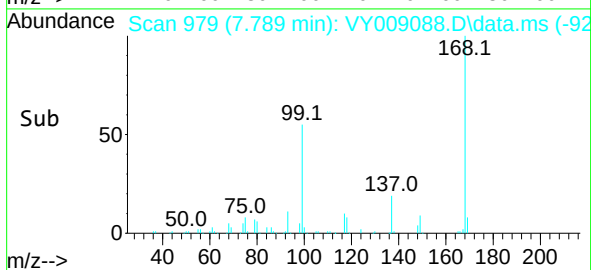
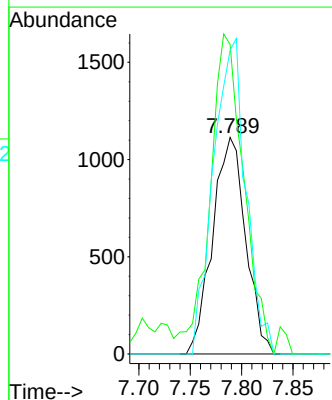
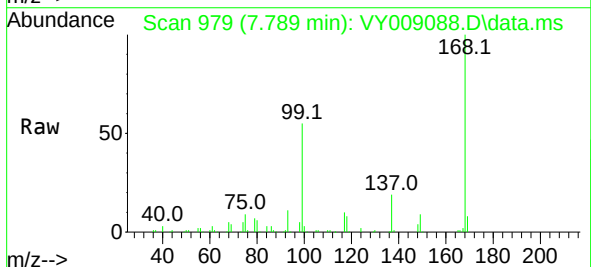
Instrument :
MSVOA_Y
ClientSampleId :
SB-8(4-4.5)

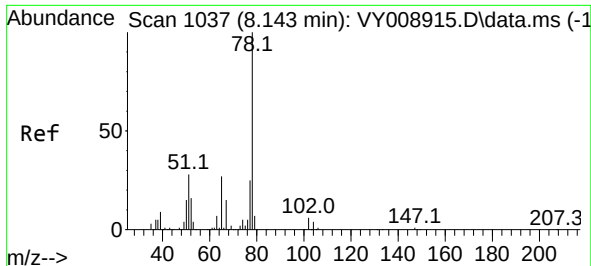
Tgt Ion: 43 Resp: 989
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.194 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY009088.D
Acq: 25 May 2022 14:32

Tgt Ion: 56 Resp: 2495
Ion Ratio Lower Upper
56 100
69 132.8 26.7 40.1#
84 140.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.008 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY009088.D

Acq: 25 May 2022 14:32

Instrument :

MSVOA_Y

ClientSampleId :

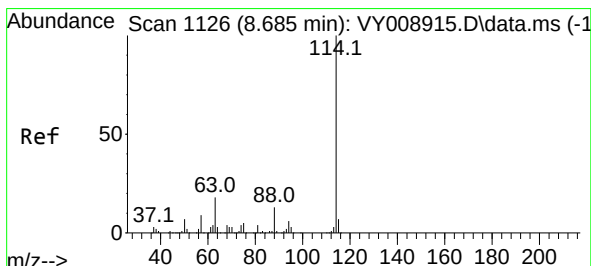
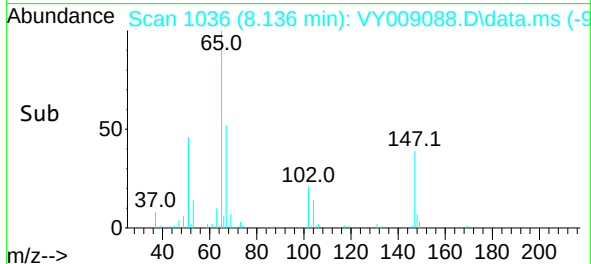
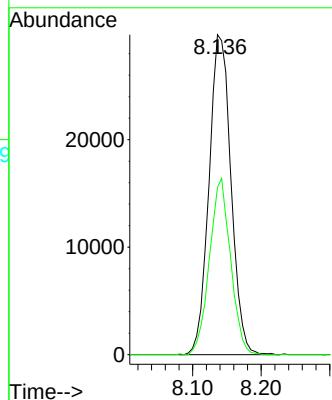
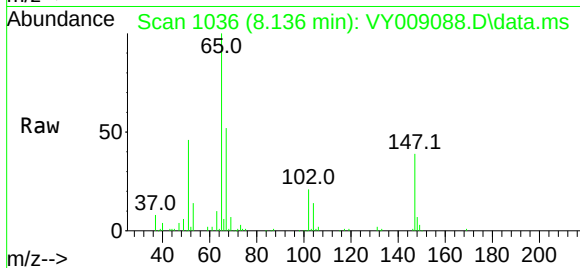
SB-8(4-4.5)

Tgt Ion: 65 Resp: 66254

Ion Ratio Lower Upper

65 100

67 52.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009088.D

Acq: 25 May 2022 14:32

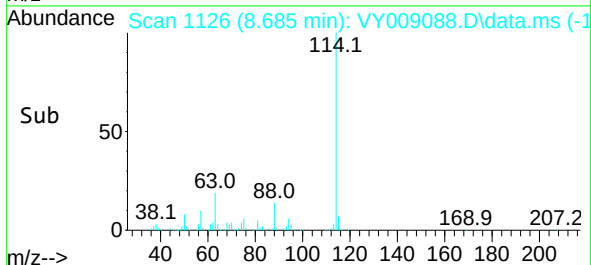
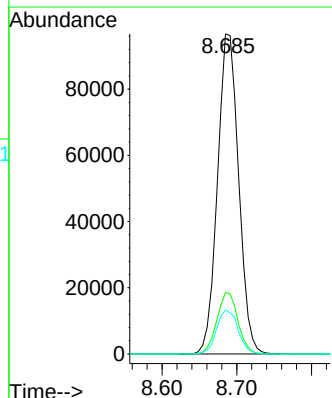
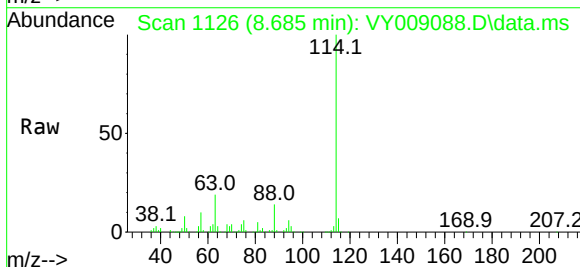
Tgt Ion: 114 Resp: 190297

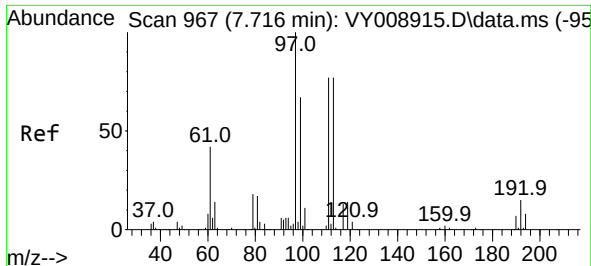
Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 13.7 0.0 31.8

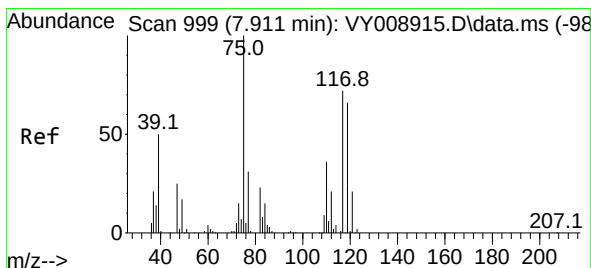
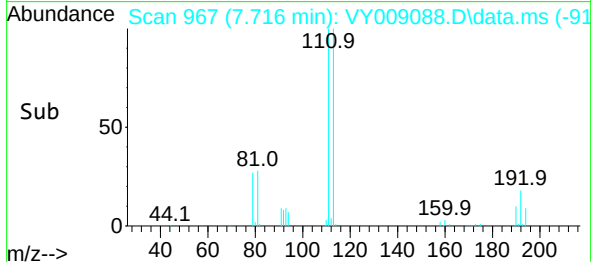
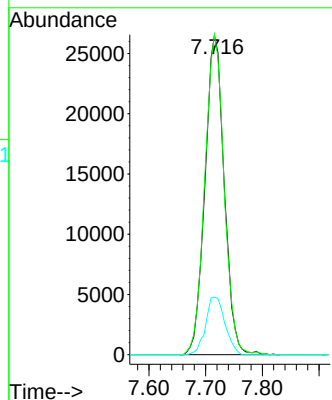
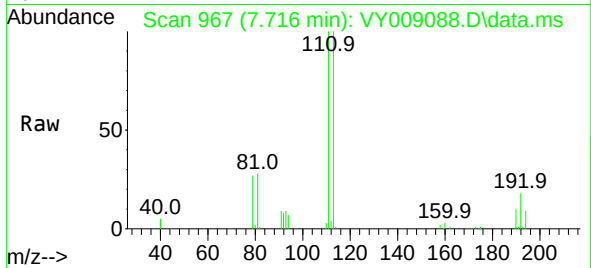




#35
Dibromofluoromethane
Concen: 52.783 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009088.D
Acq: 25 May 2022 14:32

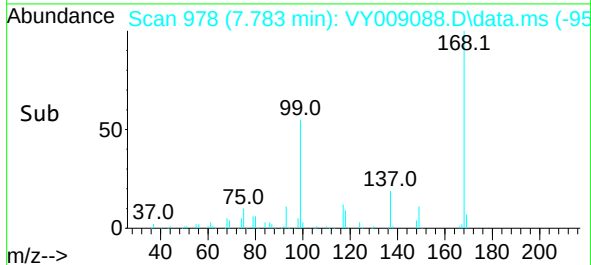
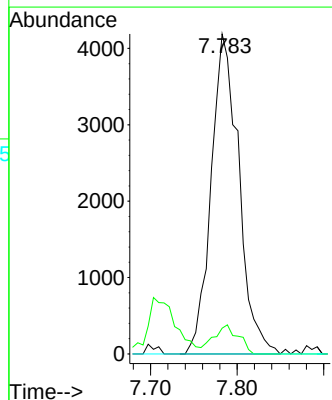
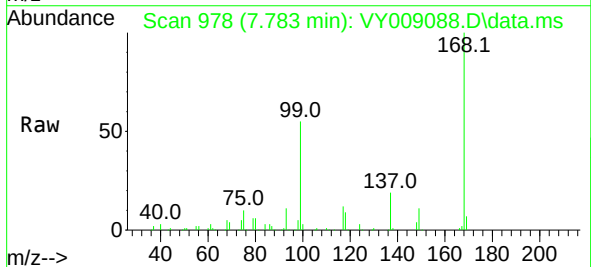
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SB-8(4-4.5)

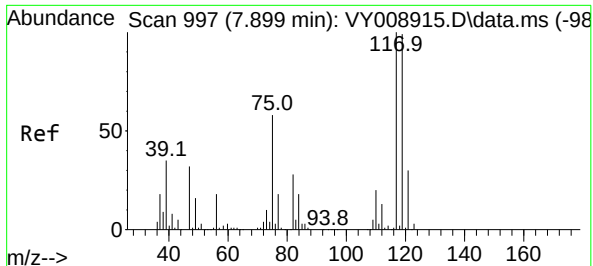
Tgt Ion:113 Resp: 62461
Ion Ratio Lower Upper
113 100
111 100.5 82.6 124.0
192 18.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.612 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009088.D
Acq: 25 May 2022 14:32

Tgt Ion: 75 Resp: 9288
Ion Ratio Lower Upper
75 100
110 8.1 17.1 51.2#
77 0.0 24.4 36.6#

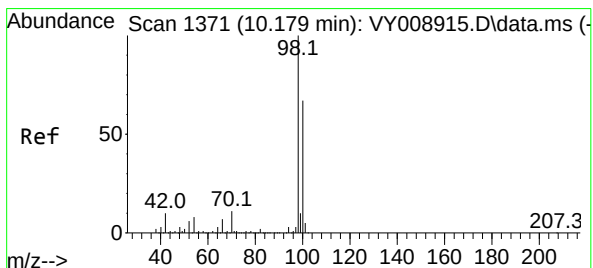
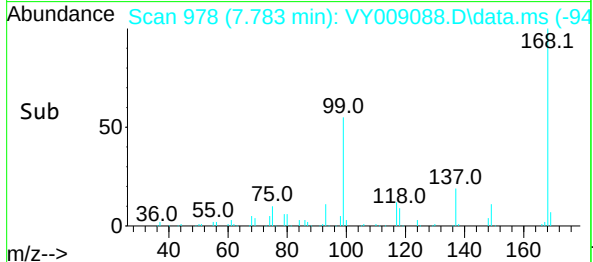
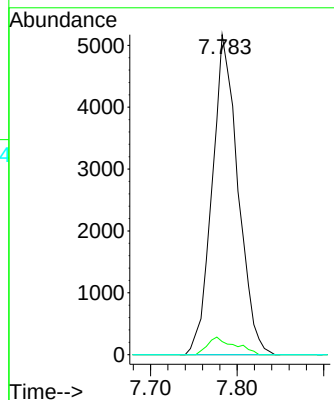
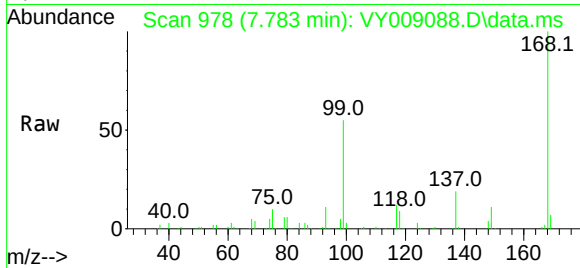




#38
Carbon Tetrachloride
Concen: 5.090 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY009088.D
Acq: 25 May 2022 14:32

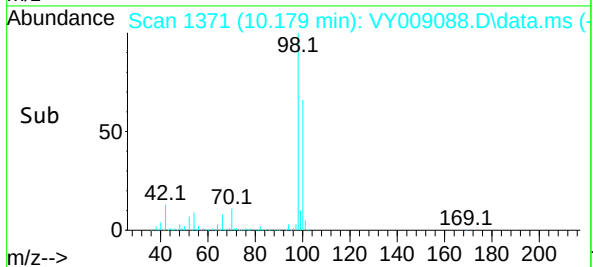
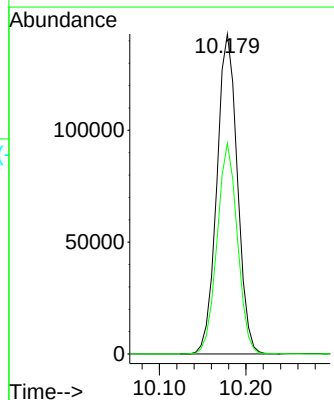
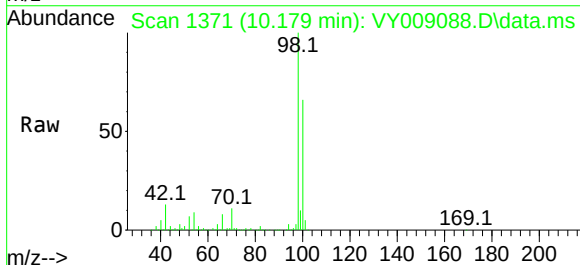
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SB-8(4-4.5)

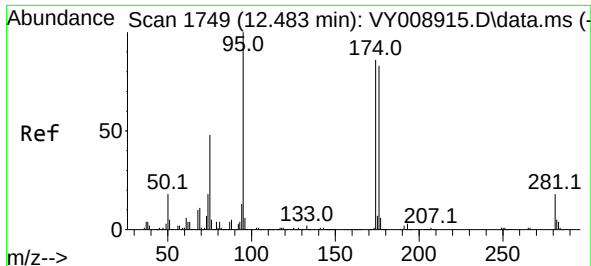
Tgt Ion:117 Resp: 10722
Ion Ratio Lower Upper
117 100
119 4.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.965 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009088.D
Acq: 25 May 2022 14:32

Tgt Ion: 98 Resp: 235584
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

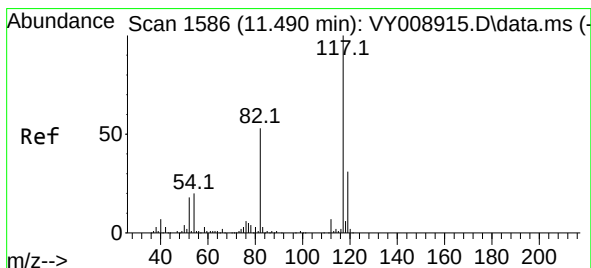
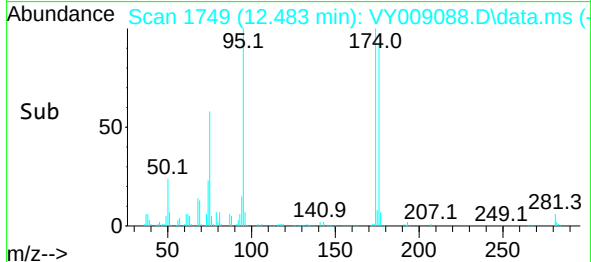
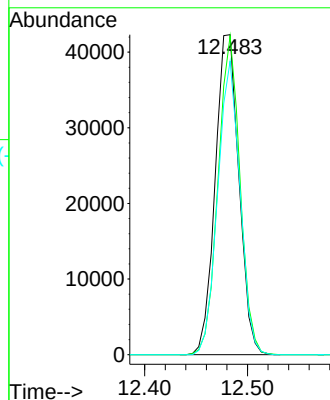
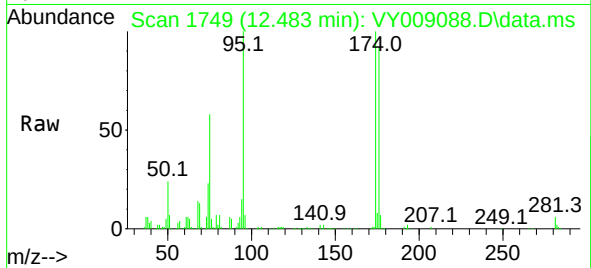




#62
4-Bromofluorobenzene
Concen: 38.411 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009088.D
Acq: 25 May 2022 14:32

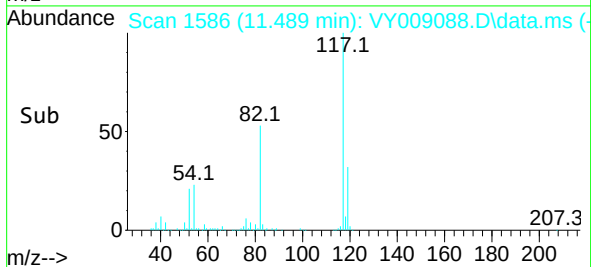
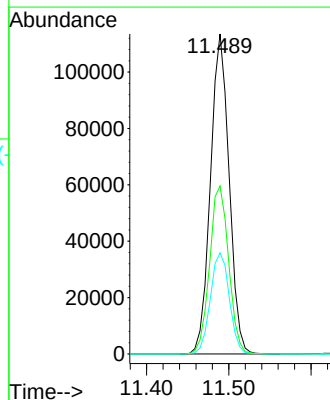
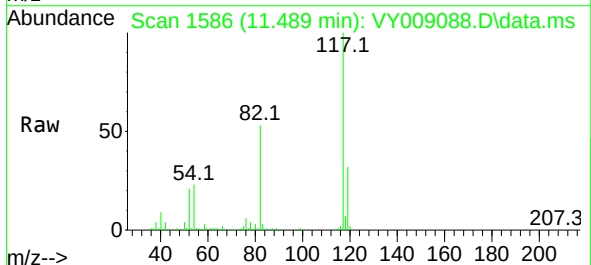
Instrument :
MSVOA_Y
ClientSampleId :
SB-8(4-4.5)

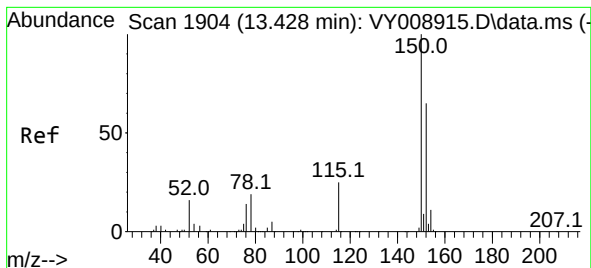
Tgt Ion: 95 Resp: 67642
Ion Ratio Lower Upper
95 100
174 92.1 0.0 177.0
176 86.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY009088.D
Acq: 25 May 2022 14:32

Tgt Ion: 117 Resp: 178631
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.4
119 31.6 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: VY009088.D

Acq: 25 May 2022 14:32

Instrument :

MSVOA_Y

ClientSampleId :

SB-8(4-4.5)

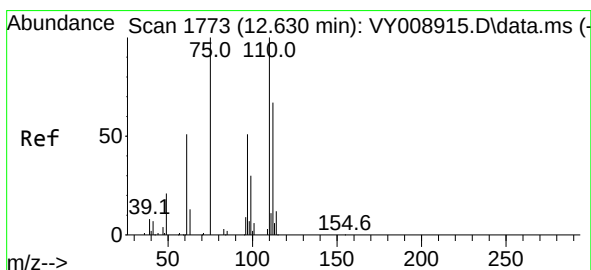
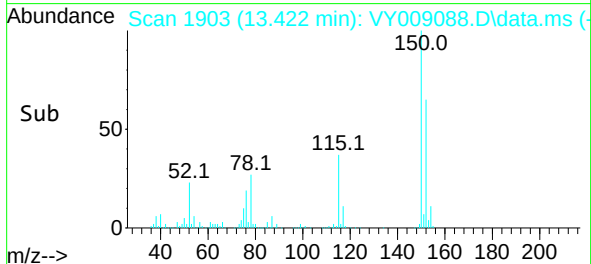
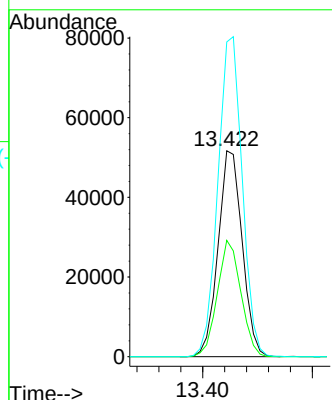
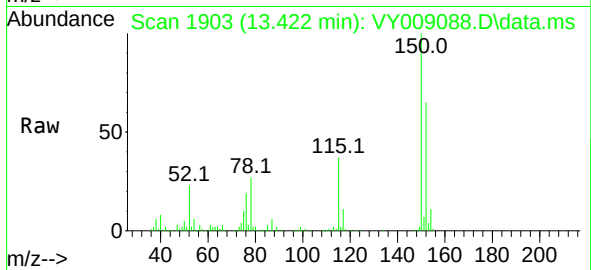
Tgt Ion:152 Resp: 79012

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.7

150 156.6 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 46.644 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY009088.D

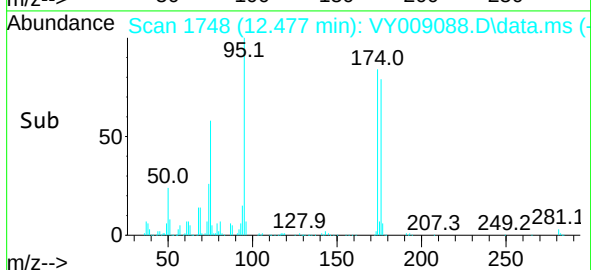
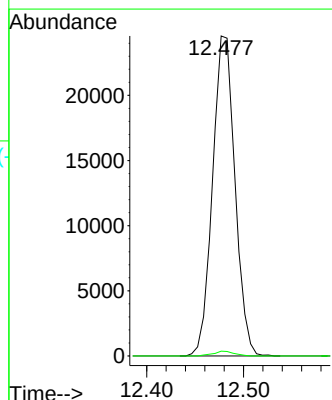
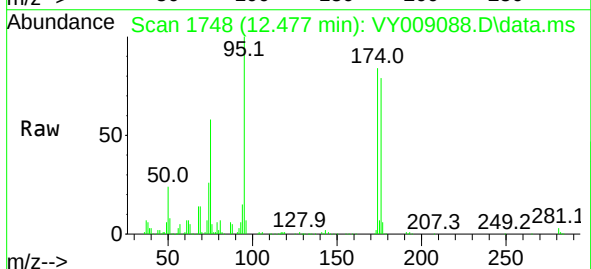
Acq: 25 May 2022 14:32

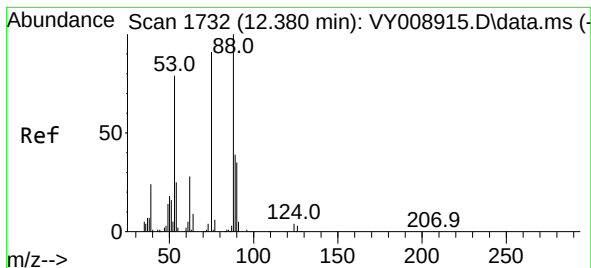
Tgt Ion: 75 Resp: 39577

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 95.737 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.097 min

Lab File: VY009088.D

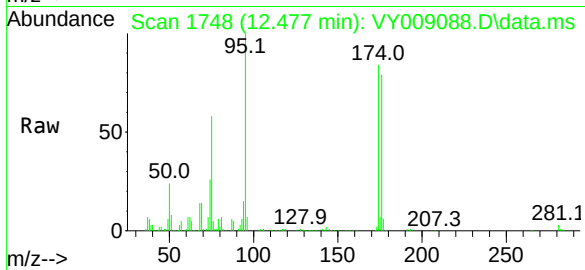
Acq: 25 May 2022 14:32

Instrument :

MSVOA_Y

ClientSampleId :

SB-8(4-4.5)



Tgt Ion: 75 Resp: 39577

Ion Ratio Lower Upper

75 100

53 0.1 85.3 127.9#

89 0.0 37.0 55.4#

