

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052422\
 Data File : VY009066.D
 Acq On : 24 May 2022 16:53
 Operator : KP/MD
 Sample : N2981-02
 Misc : 3.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-13(3-3.5)

Quant Time: May 25 02:55:11 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)

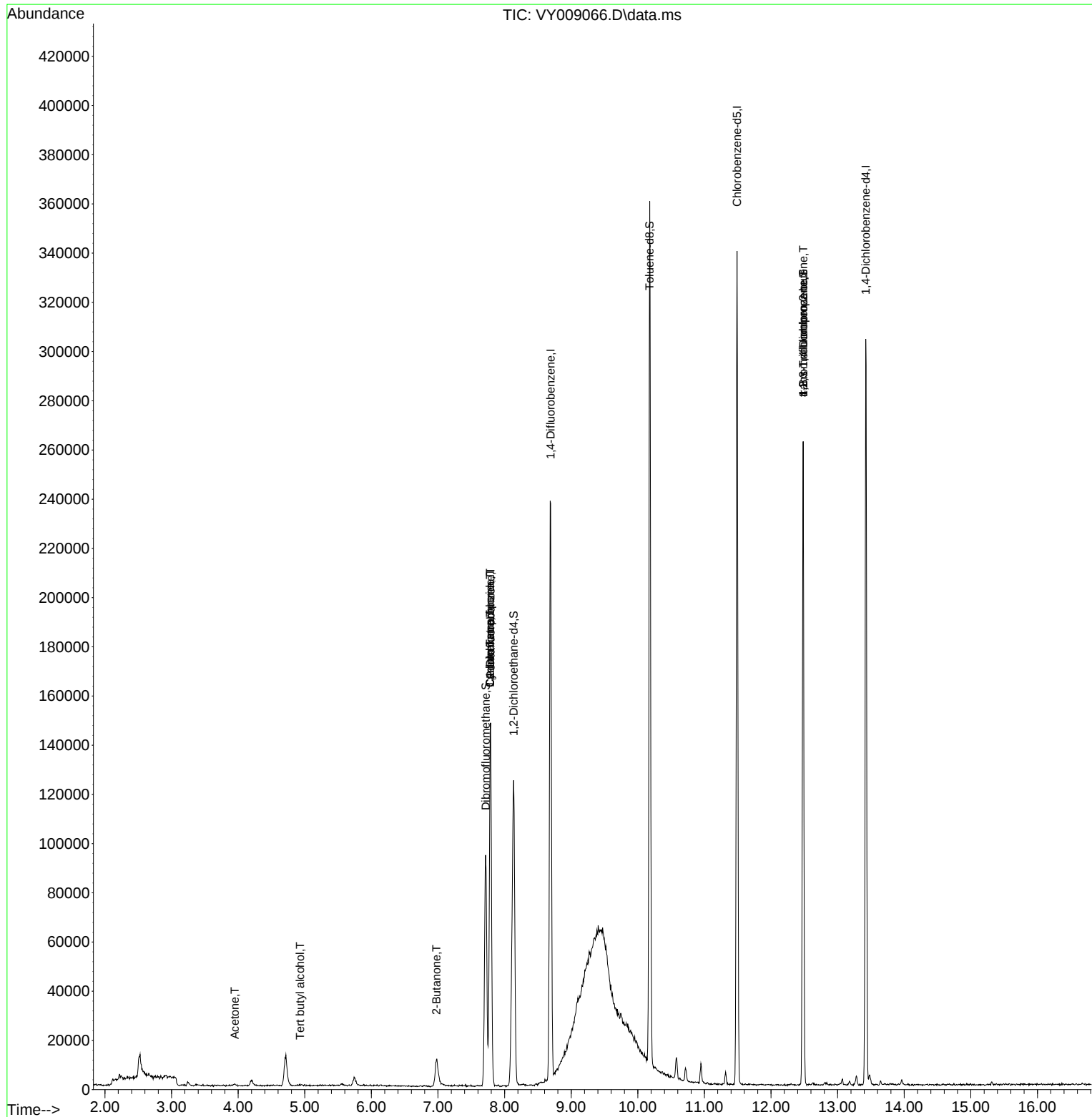
Internal Standards						
1) Pentafluorobenzene	7.789	168	112310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	202115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	172451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	73187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	73182	63.313	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.620%	
35) Dibromofluoromethane	7.716	113	65021	51.734	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.460%	
50) Toluene-d8	10.179	98	215701	46.521	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.040%	
62) 4-Bromofluorobenzene	12.483	95	65710	35.132	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 70.260%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.930	59	191	1.629	ug/l #	77
16) Acetone	3.948	43	1006	4.181	ug/l #	86
20) Methylene Chloride	4.704	84	8541	Below Cal	#	81
25) 2-Butanone	6.978	43	634	1.475	ug/l #	54
31) Cyclohexane	7.783	56	2869	1.269	ug/l #	32
36) 1,1-Dichloropropene	7.783	75	9244	4.322	ug/l #	51
38) Carbon Tetrachloride	7.783	117	11493	5.137	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	37083	47.183	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	37083	96.843	ug/l #	7

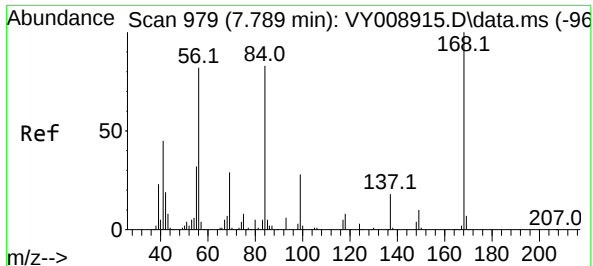
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-13(3-3.5)

Quant Time: May 25 02:55:11 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

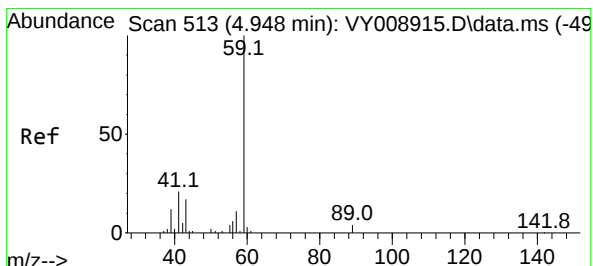
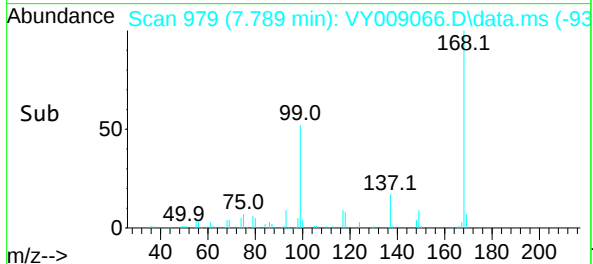
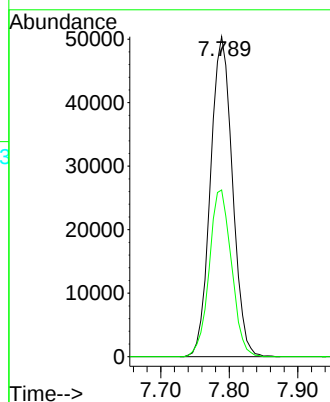
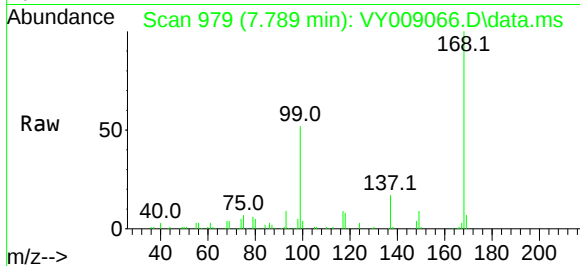




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009066.D
Acq: 24 May 2022 16:53

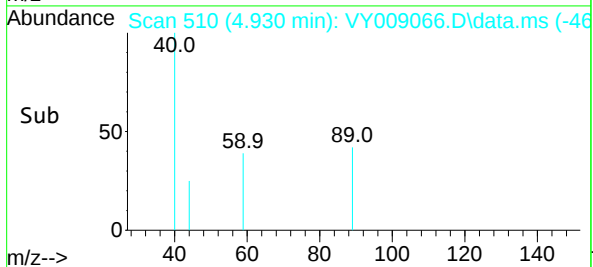
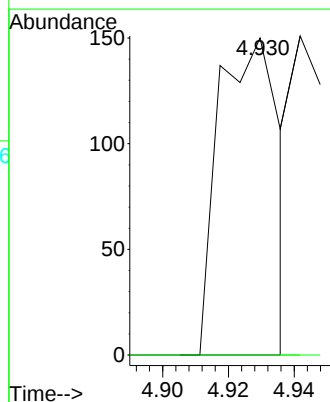
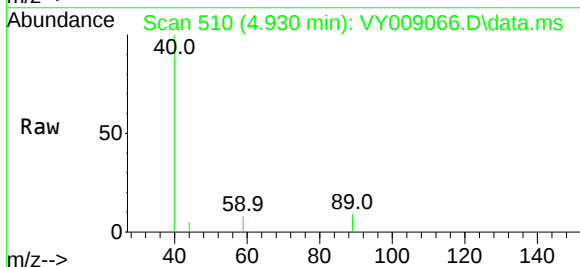
Instrument :
MSVOA_Y
ClientSampleId :
SB-13(3-3.5)

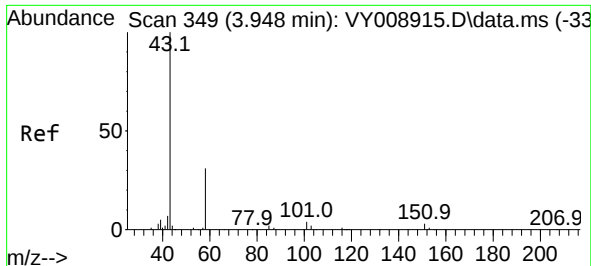
Tgt Ion:168 Resp: 112310
Ion Ratio Lower Upper
168 100
99 52.1 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.629 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY009066.D
Acq: 24 May 2022 16:53

Tgt Ion: 59 Resp: 191
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

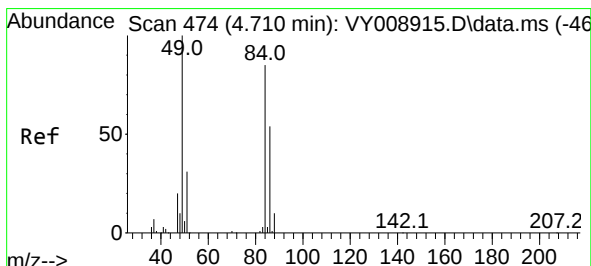
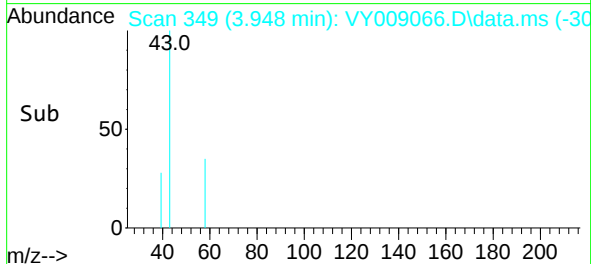
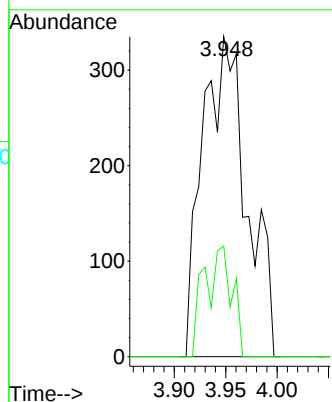
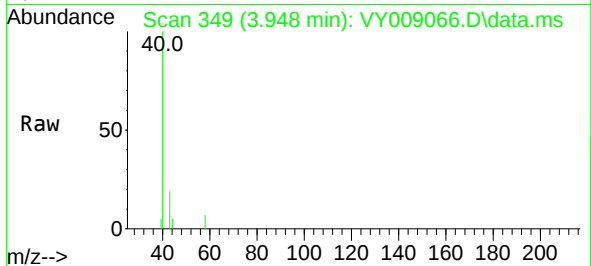




#16
Acetone
Concen: 4.181 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY009066.D
Acq: 24 May 2022 16:53

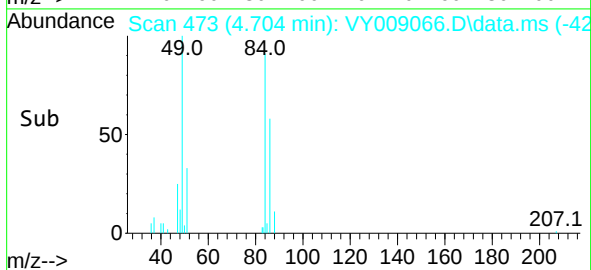
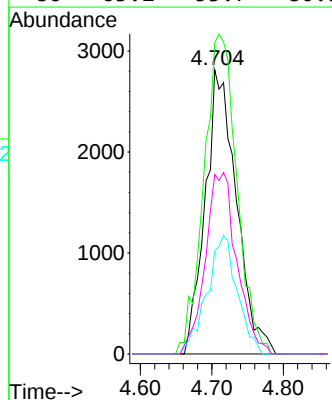
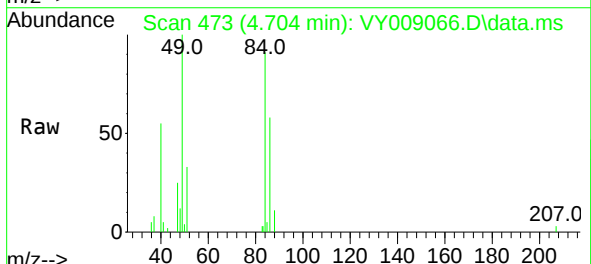
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SB-13(3-3.5)

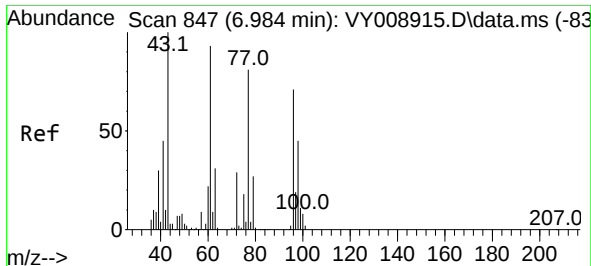
Tgt Ion: 43 Resp: 1006
Ion Ratio Lower Upper
43 100
58 34.6 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY009066.D
Acq: 24 May 2022 16:53

Tgt Ion: 84 Resp: 8541
Ion Ratio Lower Upper
84 100
49 109.7 114.4 171.6#
51 36.3 35.3 52.9
86 63.2 53.7 80.5

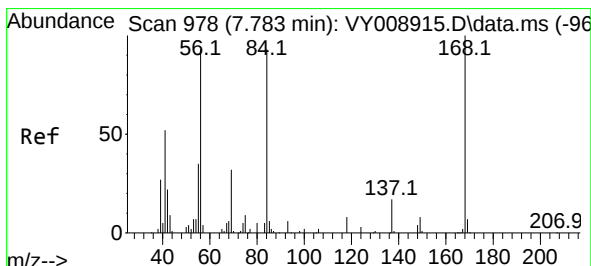
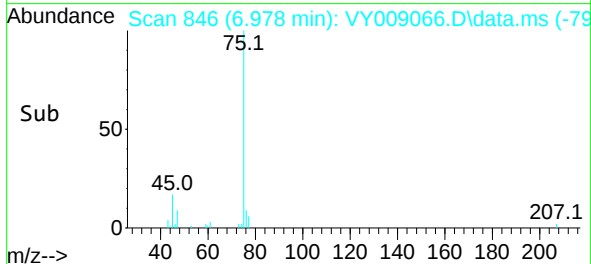
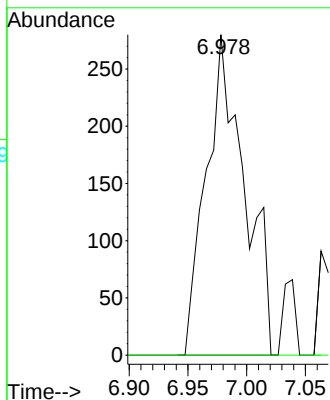
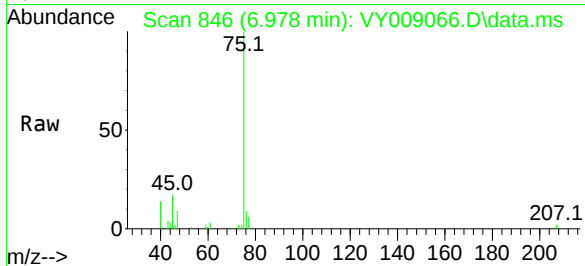




#25
2-Butanone
Concen: 1.475 ug/l
RT: 6.978 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY009066.D
Acq: 24 May 2022 16:53

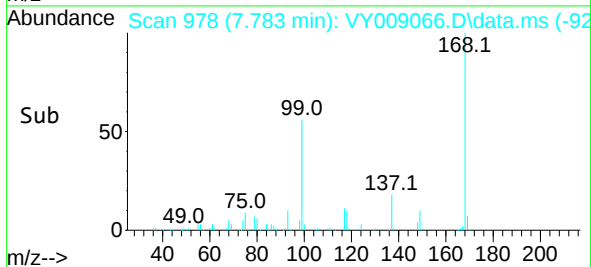
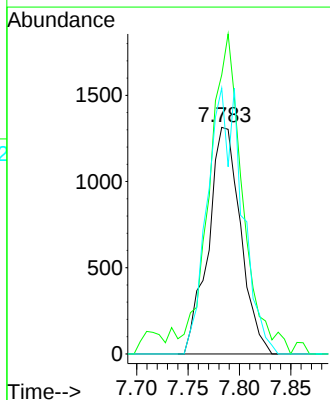
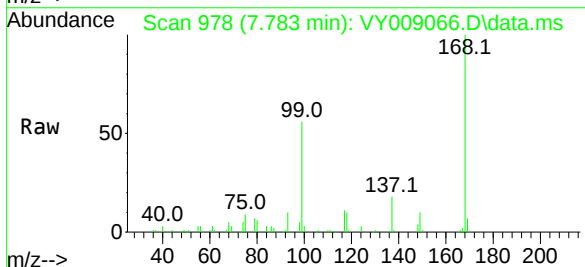
Instrument :
MSVOA_Y
ClientSampleId :
SB-13(3-3.5)

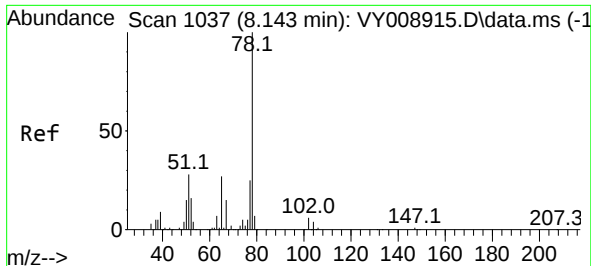
Tgt Ion: 43 Resp: 634
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.269 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY009066.D
Acq: 24 May 2022 16:53

Tgt Ion: 56 Resp: 2869
Ion Ratio Lower Upper
56 100
69 116.4 26.7 40.1#
84 117.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 63.313 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY009066.D

Acq: 24 May 2022 16:53

Instrument :

MSVOA_Y

ClientSampleId :

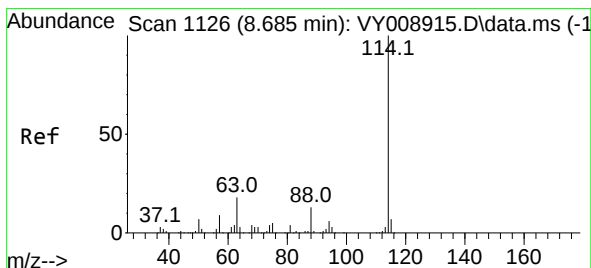
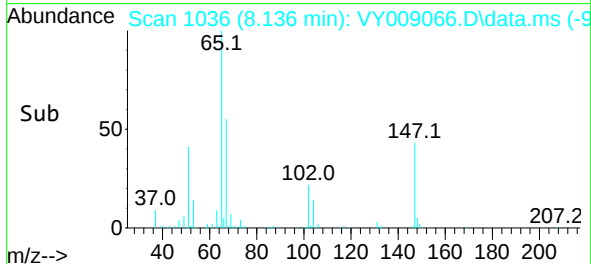
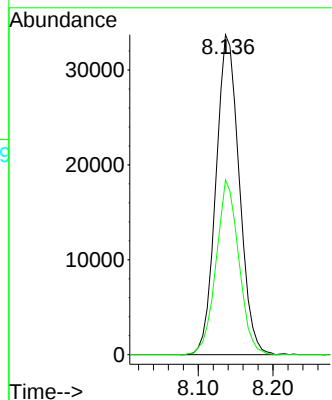
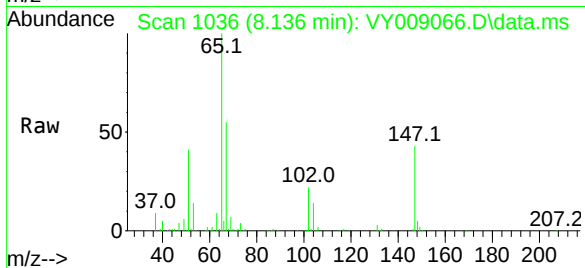
SB-13(3-3.5)

Tgt Ion: 65 Resp: 73182

Ion Ratio Lower Upper

65 100

67 53.3 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: VY009066.D

Acq: 24 May 2022 16:53

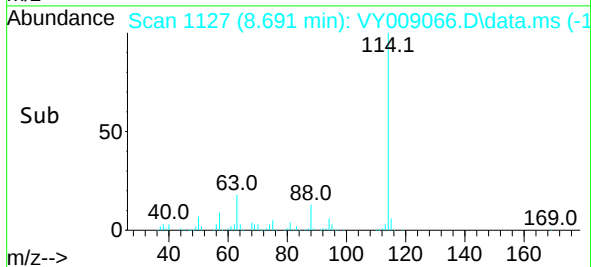
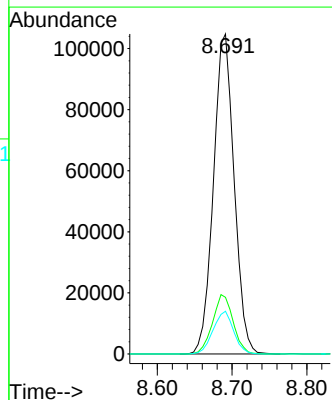
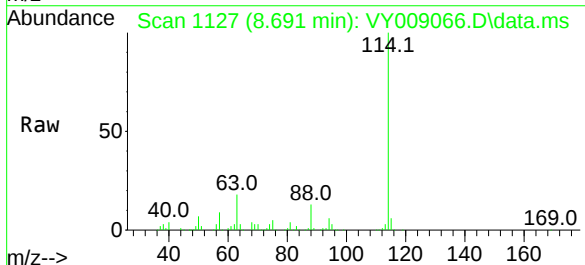
Tgt Ion: 114 Resp: 202115

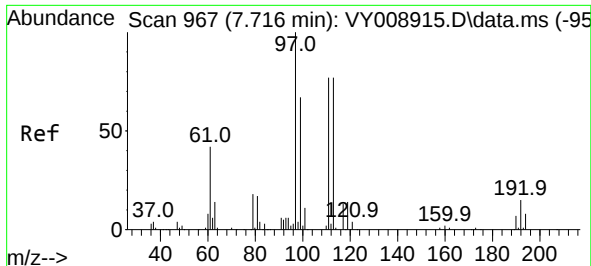
Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

88 13.4 0.0 31.8

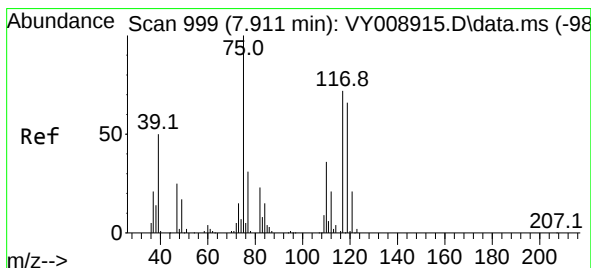
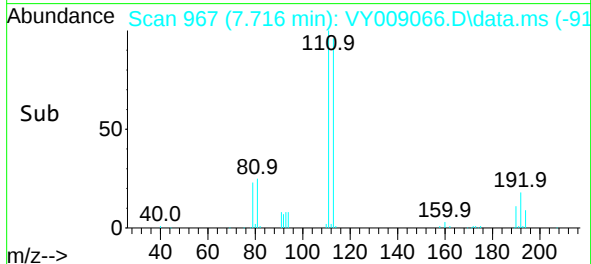
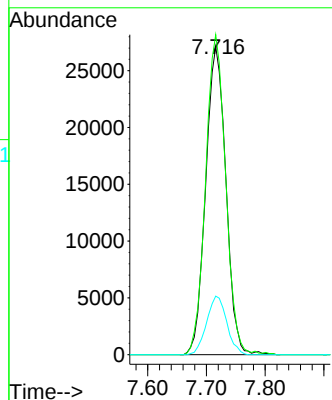
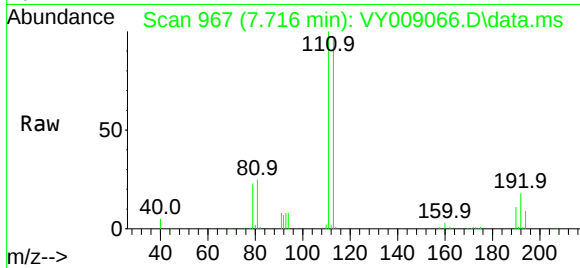




#35
Dibromofluoromethane
Concen: 51.734 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009066.D
Acq: 24 May 2022 16:53

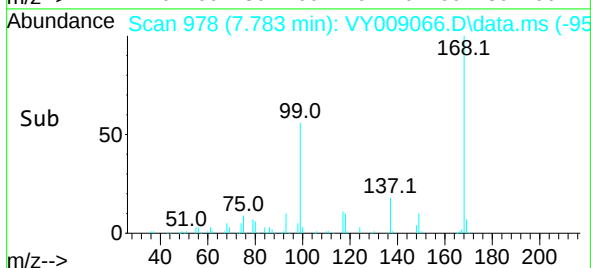
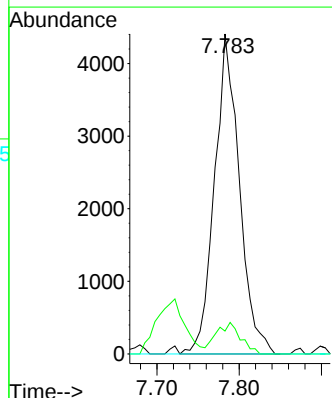
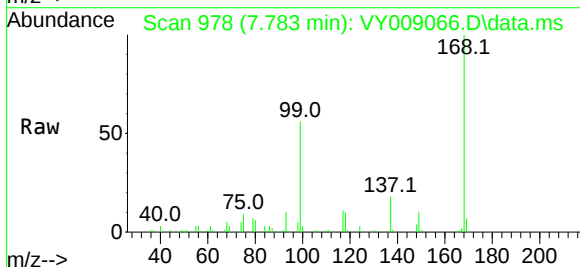
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SB-13(3-3.5)

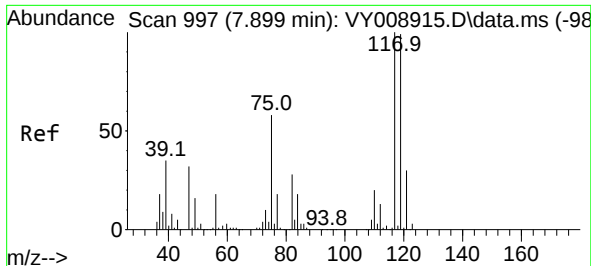
Tgt Ion:113 Resp: 65021
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 18.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.322 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009066.D
Acq: 24 May 2022 16:53

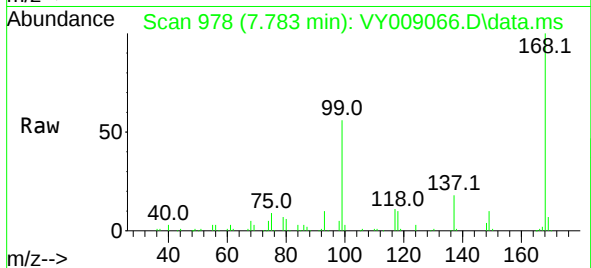
Tgt Ion: 75 Resp: 9244
Ion Ratio Lower Upper
75 100
110 9.7 17.1 51.2#
77 0.0 24.4 36.6#



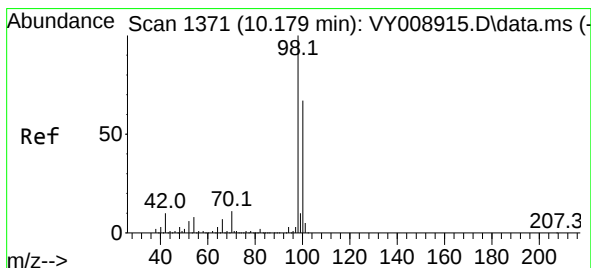
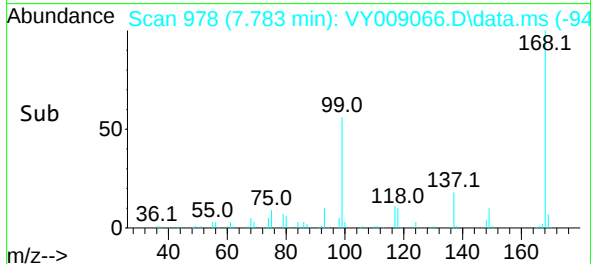
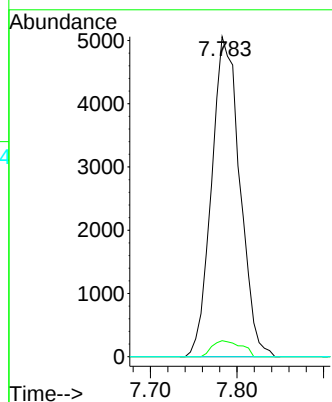


#38
Carbon Tetrachloride
Concen: 5.137 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY009066.D
Acq: 24 May 2022 16:53

Instrument :
MSVOA_Y
ClientSampleId :
SB-13(3-3.5)

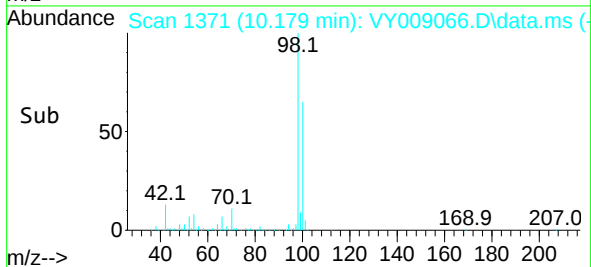
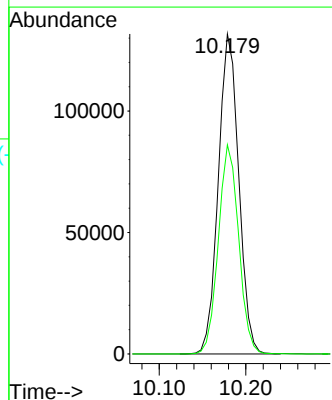
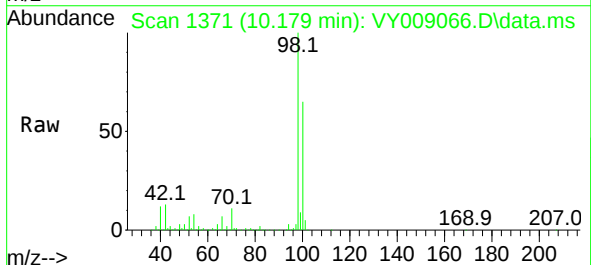


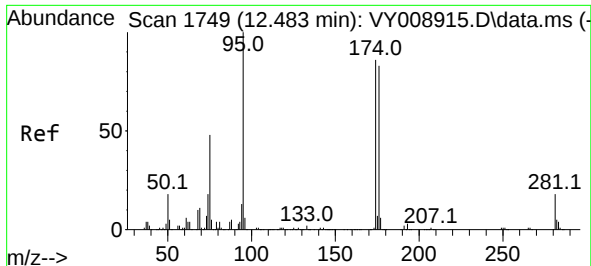
Tgt Ion:117 Resp: 11493
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 46.521 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009066.D
Acq: 24 May 2022 16:53

Tgt Ion: 98 Resp: 215701
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2

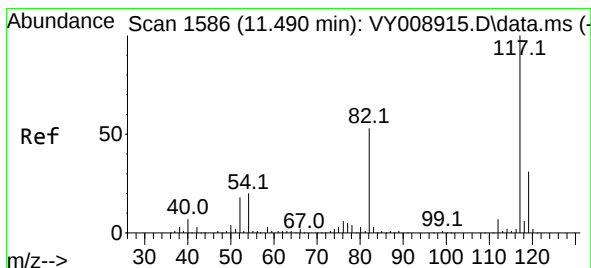
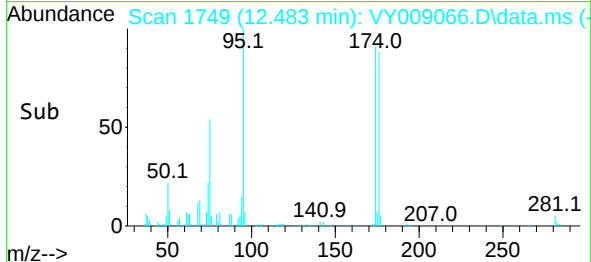
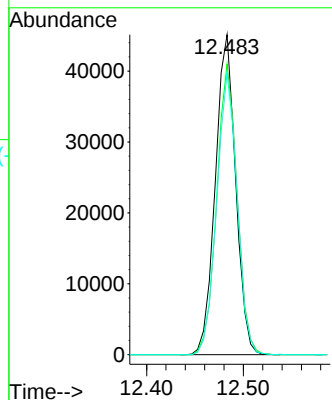
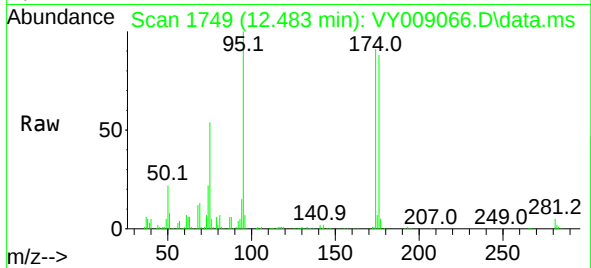




#62
4-Bromofluorobenzene
Concen: 35.132 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY009066.D
Acq: 24 May 2022 16:53

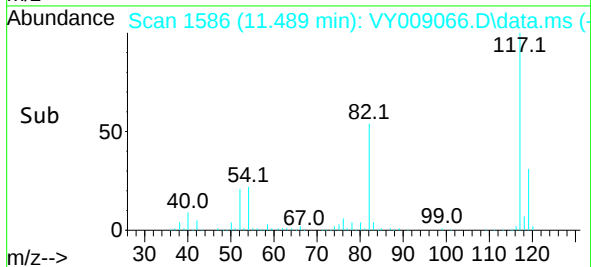
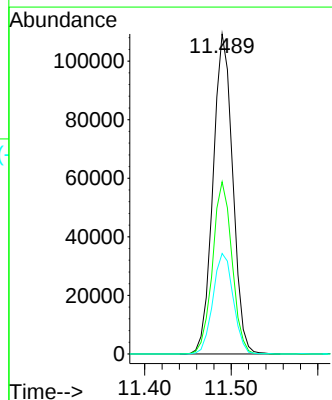
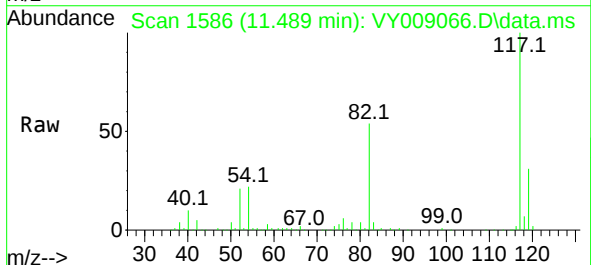
Instrument :
MSVOA_Y
ClientSampleId :
SB-13(3-3.5)

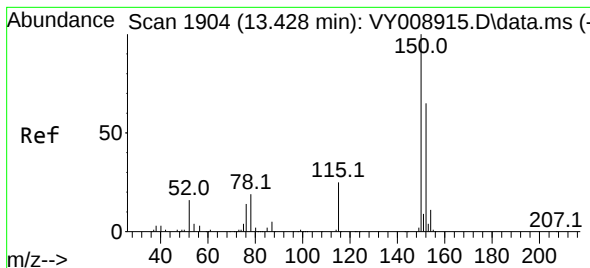
Tgt Ion: 95 Resp: 65710
Ion Ratio Lower Upper
95 100
174 91.4 0.0 177.0
176 88.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY009066.D
Acq: 24 May 2022 16:53

Tgt Ion: 117 Resp: 172451
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 31.4 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: VY009066.D

Acq: 24 May 2022 16:53

Instrument :

MSVOA_Y

ClientSampleId :

SB-13(3-3.5)

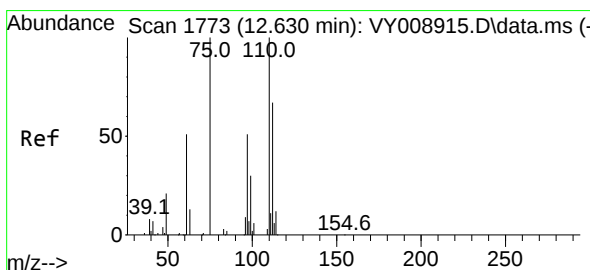
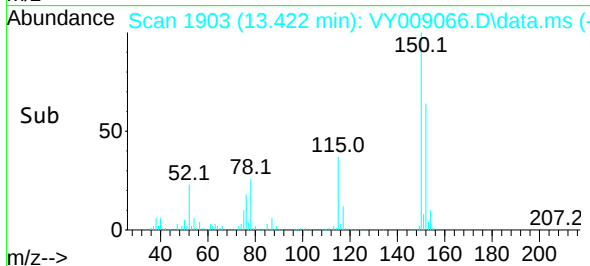
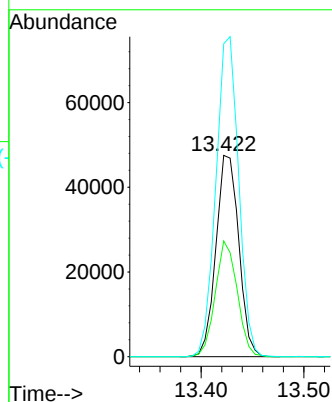
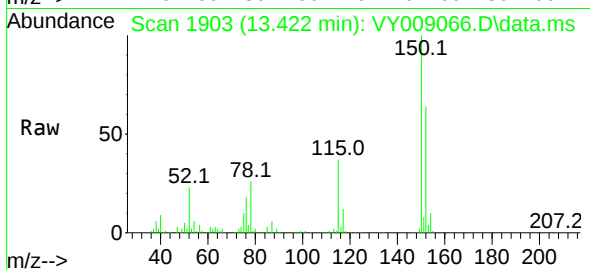
Tgt Ion:152 Resp: 73187

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.7

150 158.7 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 47.183 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY009066.D

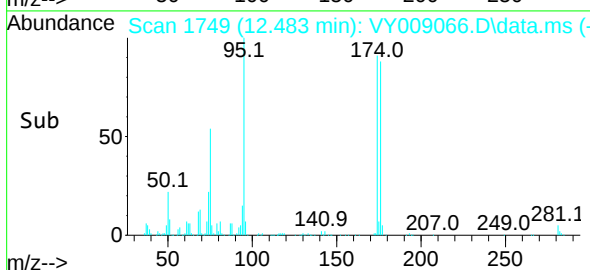
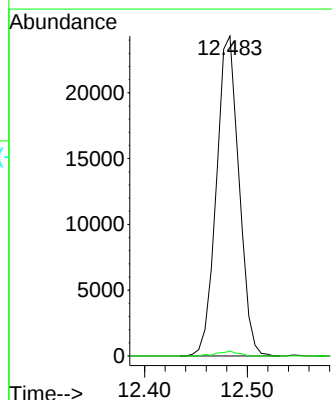
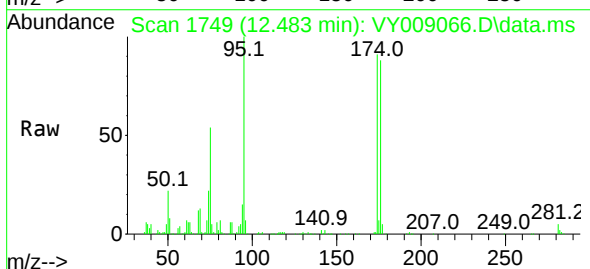
Acq: 24 May 2022 16:53

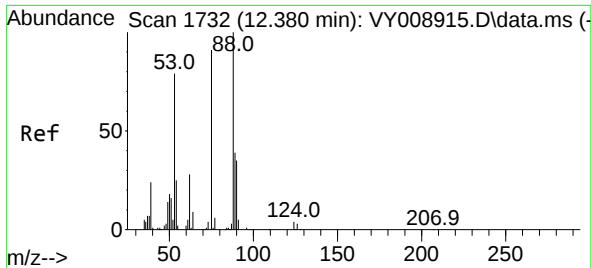
Tgt Ion: 75 Resp: 37083

Ion Ratio Lower Upper

75 100

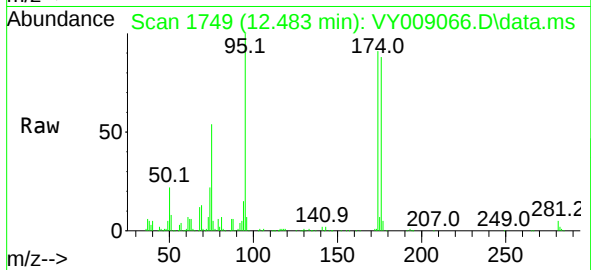
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.843 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY009066.D
 Acq: 24 May 2022 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-13(3-3.5)



Tgt Ion: 75 Resp: 37083
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.1 37.0 55.4#

