

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051322\
 Data File : VY008753.D
 Acq On : 13 May 2022 16:48
 Operator : KP/MD
 Sample : N2781-18
 Misc : 5.97g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P018-SS001-0006-01MS

Quant Time: May 16 05:53:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051222S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 13 02:08:33 2022
 Response via : Initial Calibration

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

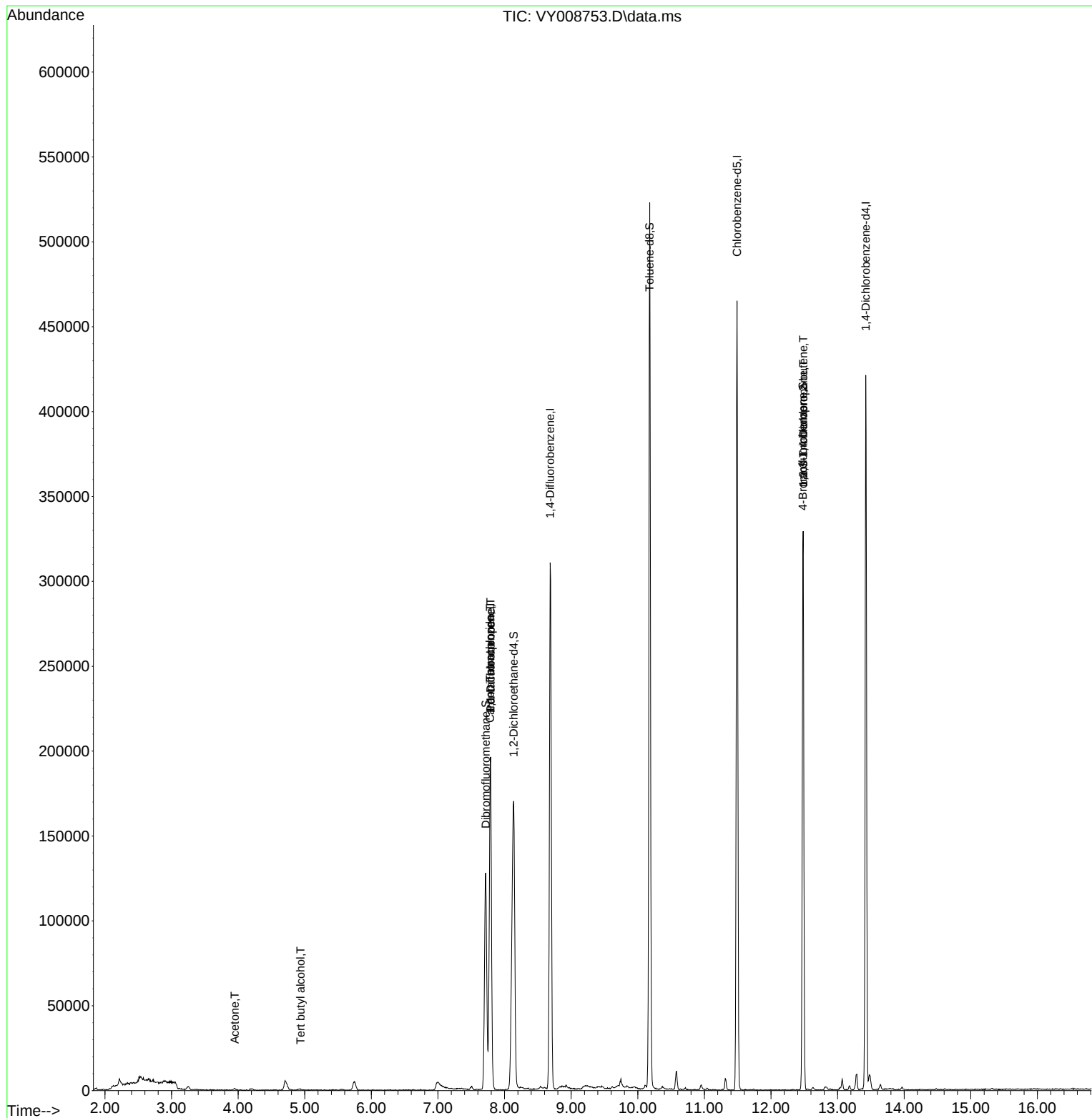
Internal Standards						
1) Pentafluorobenzene	7.789	168	149415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	268491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	244381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	100361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	99949	67.169	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.340%	
35) Dibromofluoromethane	7.716	113	86972	53.971	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.940%	
50) Toluene-d8	10.179	98	322047	52.993	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.980%	
62) 4-Bromofluorobenzene	12.477	95	92066	43.725	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.460%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.144	85	22	Below Cal	#	42
3) Chloromethane	2.107	50	441	Below Cal		92
4) Vinyl Chloride	2.235	62	354	Below Cal	#	41
5) Bromomethane	2.662	94	1018	Below Cal		100
6) Chloroethane	2.802	64	56	Below Cal	#	42
11) Tert butyl alcohol	4.936	59	910	2.626	ug/l #	76
16) Acetone	3.948	43	1617	1.937	ug/l #	83
18) Methyl Acetate	4.716	43	24	Below Cal	#	49
20) Methylene Chloride	4.704	84	4019	Below Cal	#	93
31) Cyclohexane	7.789	56	3584	Below Cal	#	58
36) 1,1-Dichloropropene	7.789	75	12393	4.810	ug/l #	50
38) Carbon Tetrachloride	7.783	117	14454	5.316	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	52970	52.450	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	52970	101.328	ug/l #	16

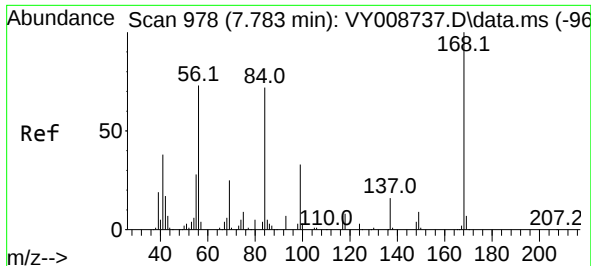
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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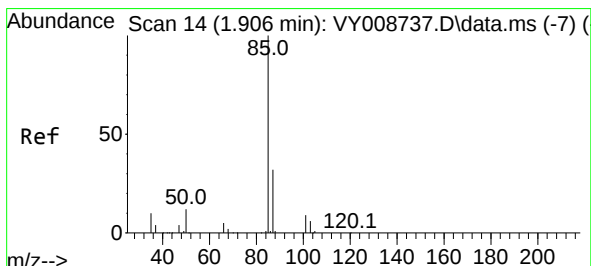
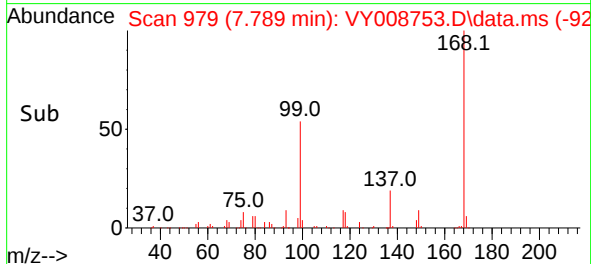
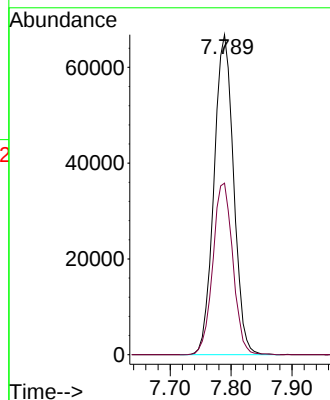
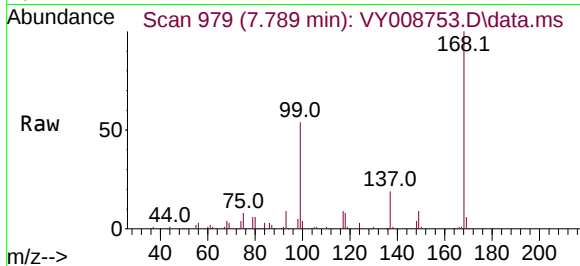




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008753.D
Acq: 13 May 2022 16:48

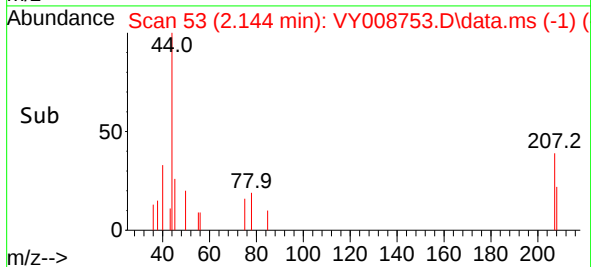
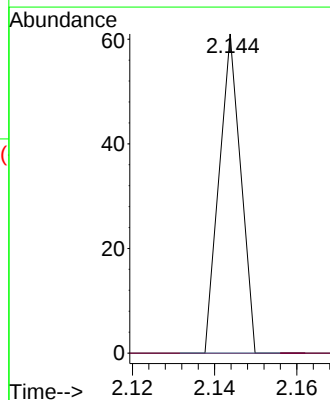
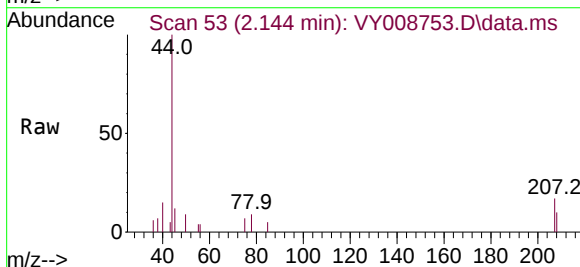
Instrument :
MSVOA_Y
ClientSampleId :
P018-SS001-0006-01MS

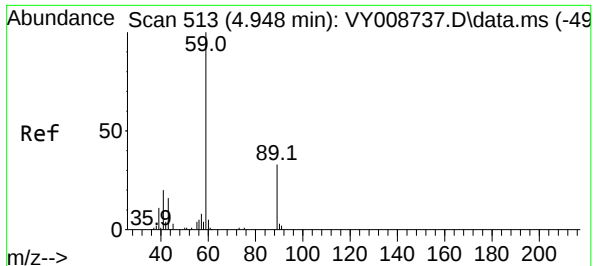
Tgt Ion:168 Resp: 149415
Ion Ratio Lower Upper
168 100
99 53.6 42.3 63.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.144 min Scan# 53
Delta R.T. 0.238 min
Lab File: VY008753.D
Acq: 13 May 2022 16:48

Tgt Ion: 85 Resp: 22
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#





#11

Tert butyl alcohol

Concen: 2.626 ug/l

RT: 4.936 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY008753.D

Acq: 13 May 2022 16:48

Instrument :

MSVOA_Y

ClientSampleId :

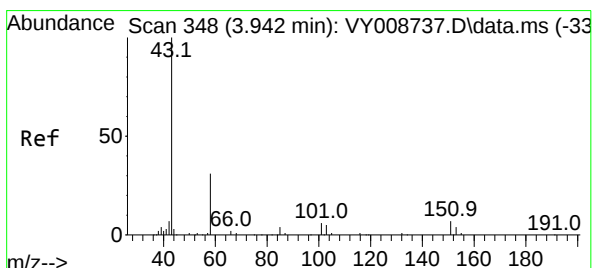
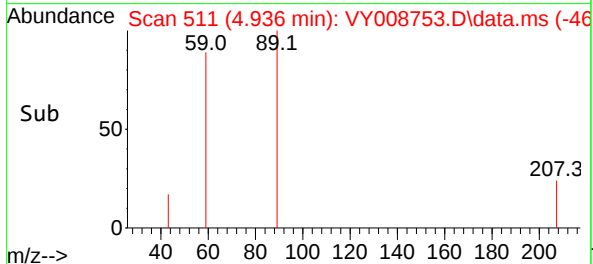
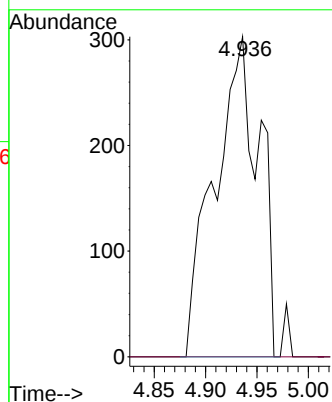
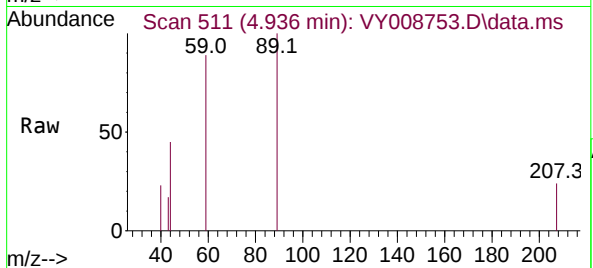
P018-SS001-0006-01MS

Tgt Ion: 59 Resp: 910

Ion Ratio Lower Upper

59 100

57 0.0 6.7 10.1#



#16

Acetone

Concen: 1.937 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY008753.D

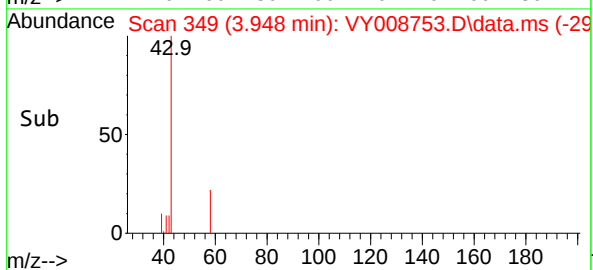
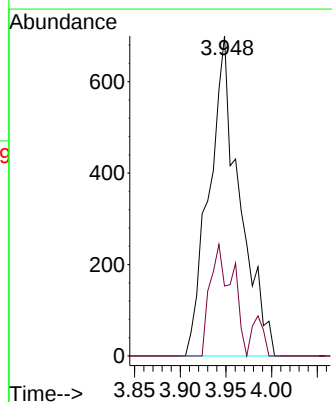
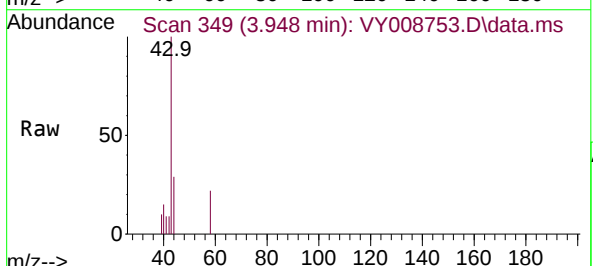
Acq: 13 May 2022 16:48

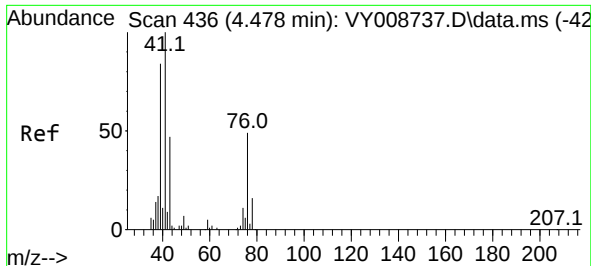
Tgt Ion: 43 Resp: 1617

Ion Ratio Lower Upper

43 100

58 21.9 25.1 37.7#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.238 min

Lab File: VY008753.D

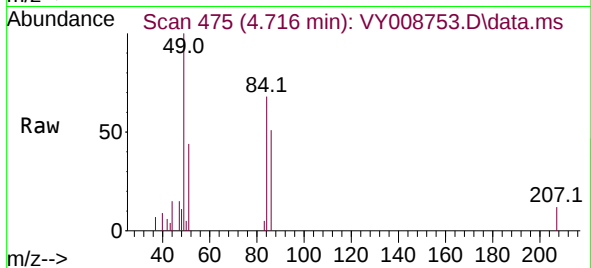
Acq: 13 May 2022 16:48

Instrument :

MSVOA_Y

ClientSampleId :

P018-SS001-0006-01MS

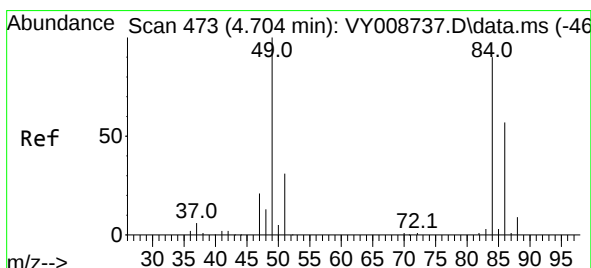
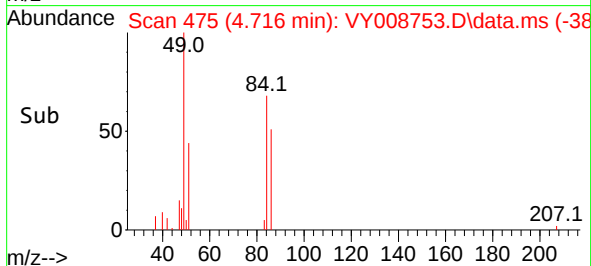
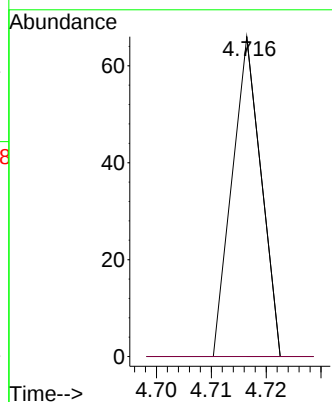


Tgt Ion: 43 Resp: 24

Ion Ratio Lower Upper

43 100

74 0.0 20.6 31.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY008753.D

Acq: 13 May 2022 16:48

Tgt Ion: 84 Resp: 4019

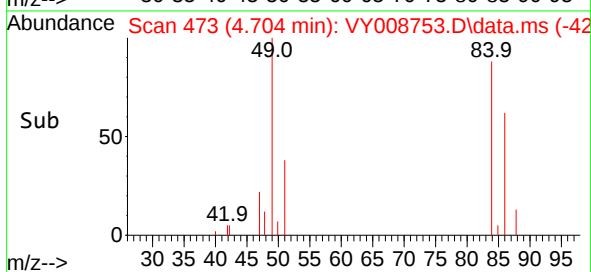
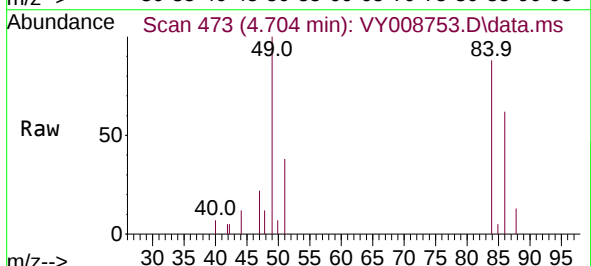
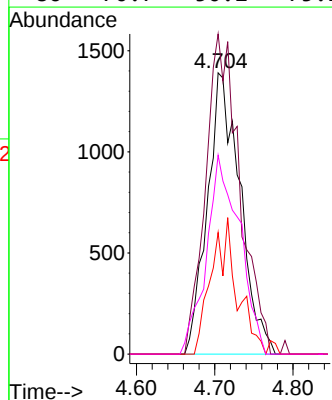
Ion Ratio Lower Upper

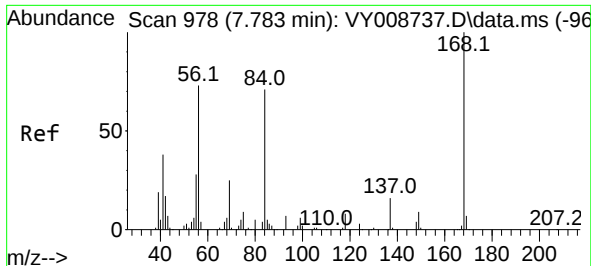
84 100

49 113.8 88.6 133.0

51 43.2 27.4 41.0#

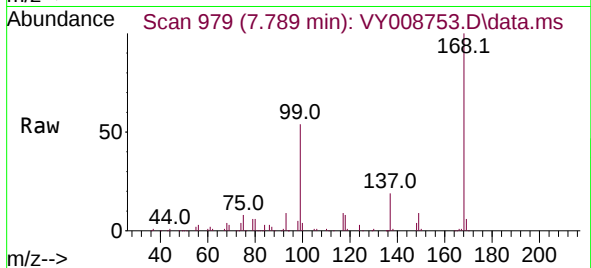
86 70.7 50.2 75.2



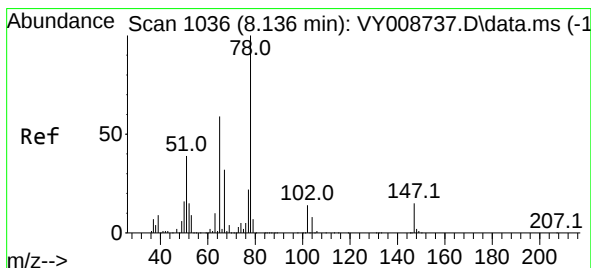
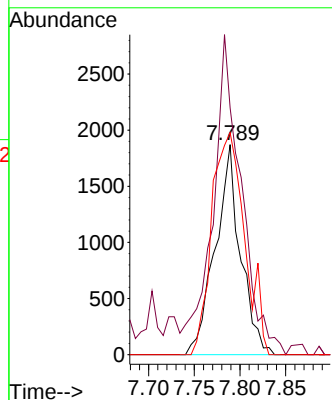
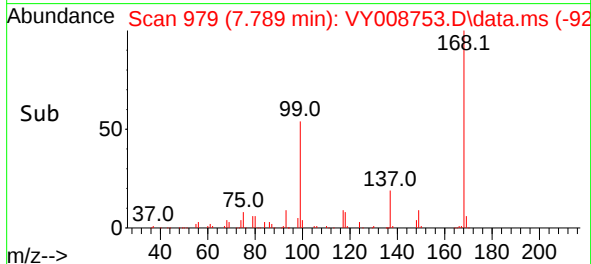


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008753.D
Acq: 13 May 2022 16:48

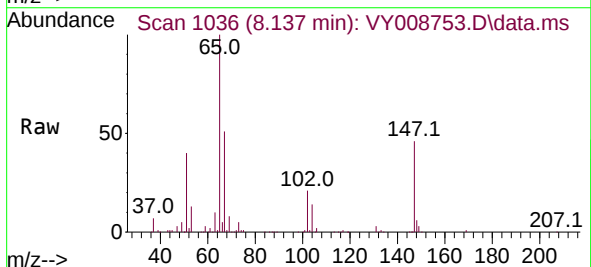
Instrument :
MSVOA_Y
ClientSampleId :
P018-SS001-0006-01MS



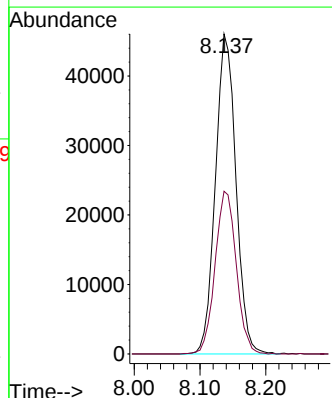
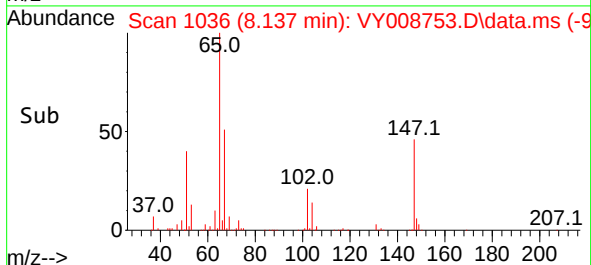
Tgt Ion: 56 Resp: 3584
Ion Ratio Lower Upper
56 100
69 112.2 27.4 41.0#
84 105.7 77.5 116.3

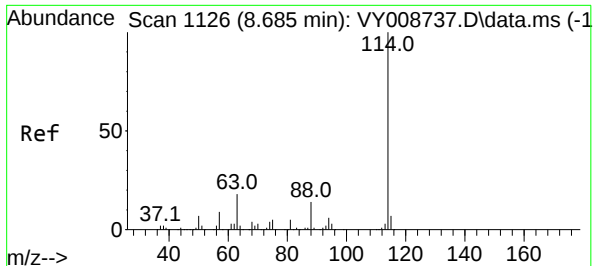


#33
1,2-Dichloroethane-d4
Concen: 67.169 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY008753.D
Acq: 13 May 2022 16:48



Tgt Ion: 65 Resp: 99949
Ion Ratio Lower Upper
65 100
67 52.6 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY008753.D

Acq: 13 May 2022 16:48

Instrument :

MSVOA_Y

ClientSampleId :

P018-SS001-0006-01MS

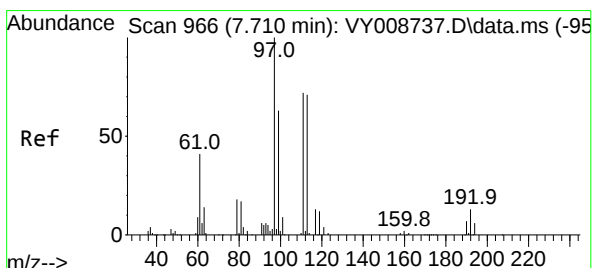
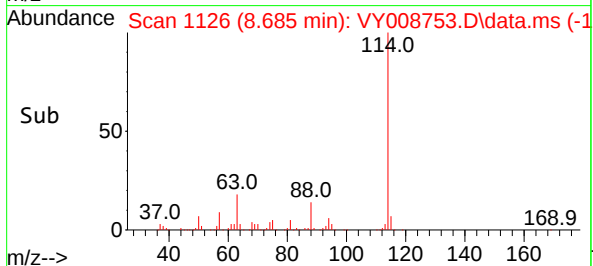
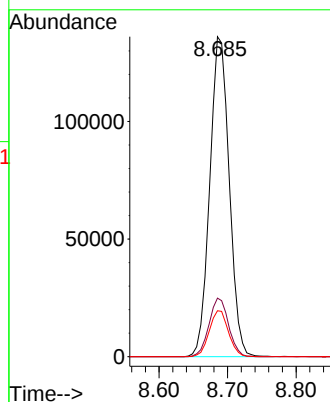
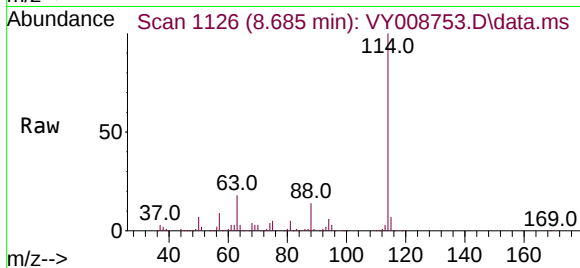
Tgt Ion:114 Resp: 268491

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.4

88 14.4 0.0 27.4



#35

Dibromofluoromethane

Concen: 53.971 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY008753.D

Acq: 13 May 2022 16:48

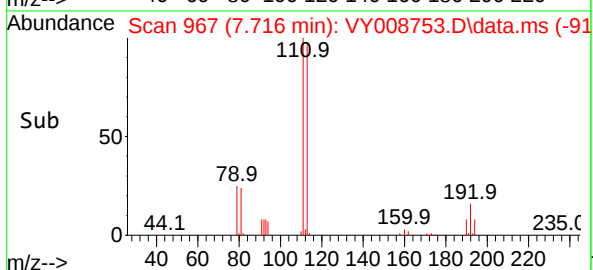
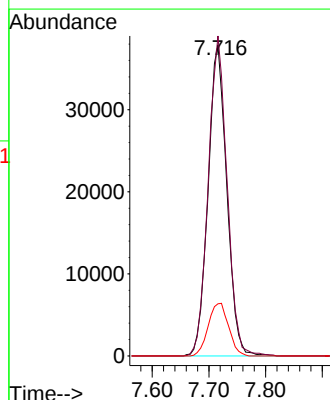
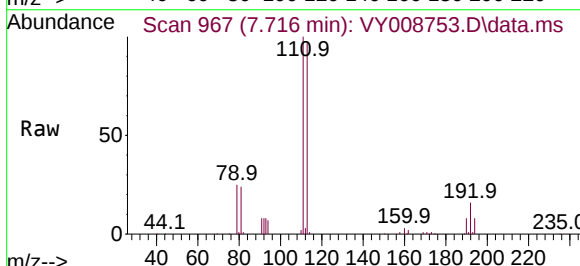
Tgt Ion:113 Resp: 86972

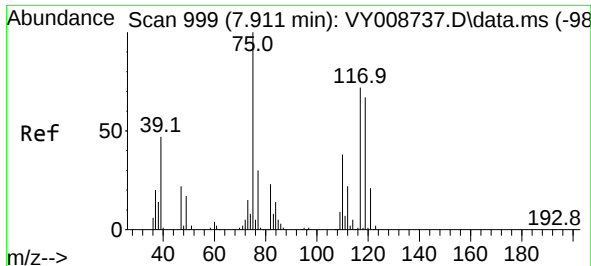
Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.6

192 18.4 14.5 21.7

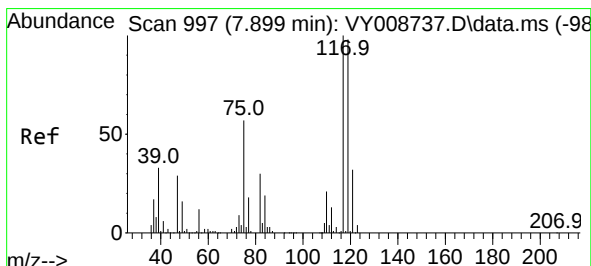
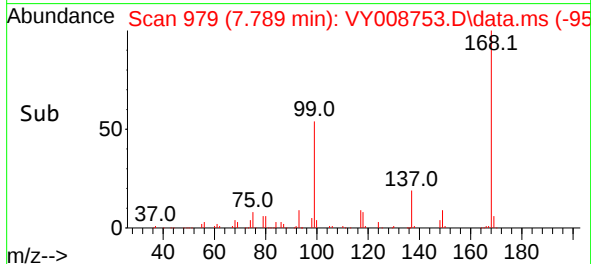
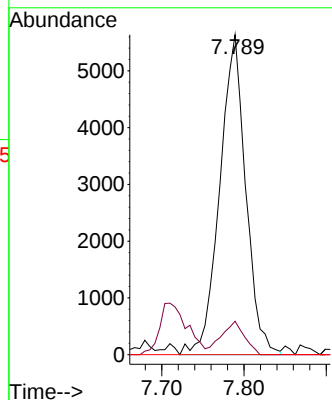
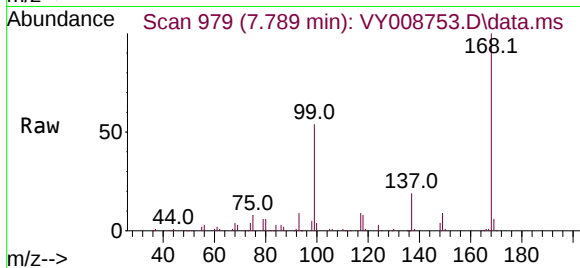




#36
1,1-Dichloropropene
Concen: 4.810 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY008753.D
Acq: 13 May 2022 16:48

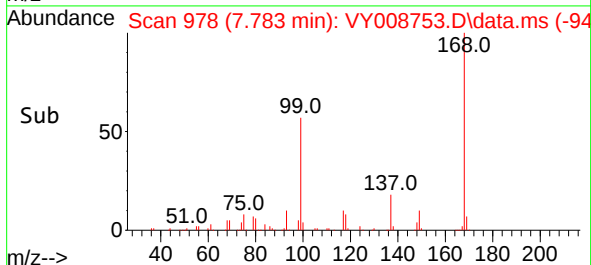
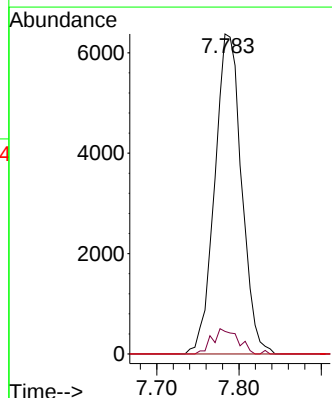
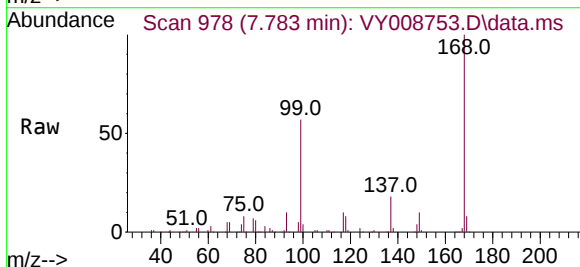
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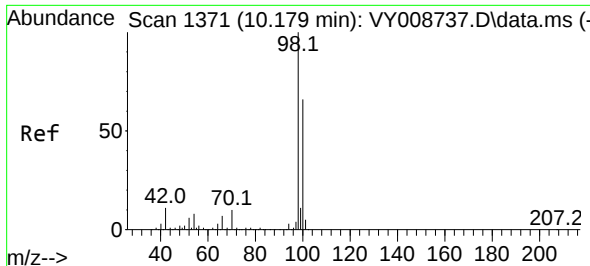
Tgt Ion: 75 Resp: 12393
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.316 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY008753.D
Acq: 13 May 2022 16:48

Tgt Ion: 117 Resp: 14454
Ion Ratio Lower Upper
117 100
119 7.1 78.5 117.7#
121 0.0 25.8 38.8#

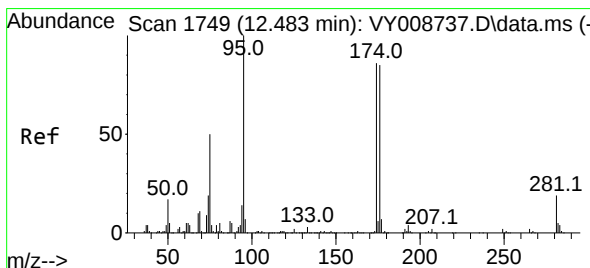
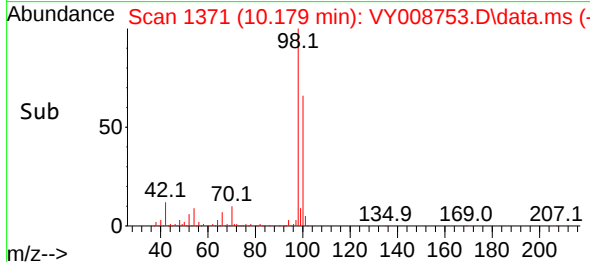
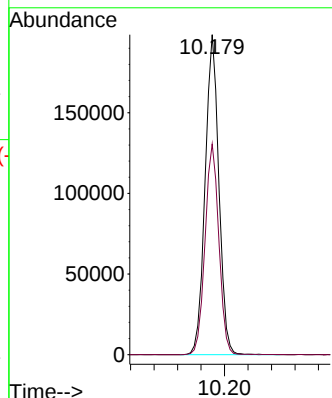
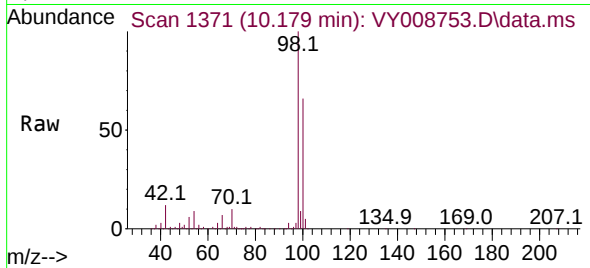




#50
Toluene-d8
Concen: 52.993 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008753.D
Acq: 13 May 2022 16:48

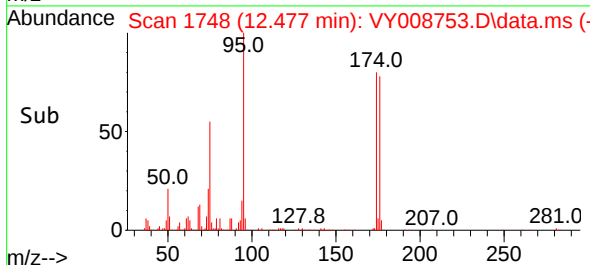
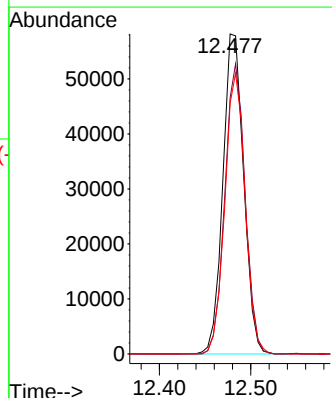
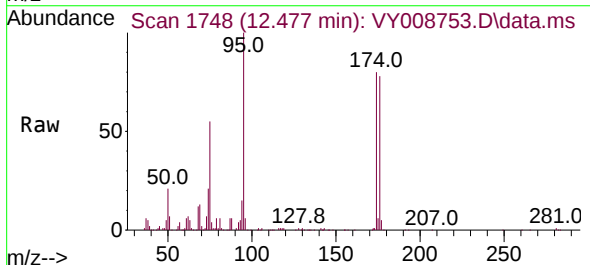
Instrument :
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P018-SS001-0006-01MS

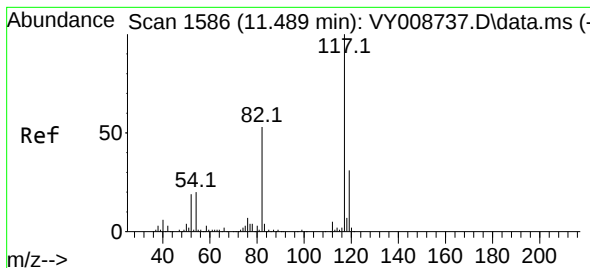
Tgt Ion: 98 Resp: 322047
Ion Ratio Lower Upper
98 100
100 66.1 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 43.725 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY008753.D
Acq: 13 May 2022 16:48

Tgt Ion: 95 Resp: 92066
Ion Ratio Lower Upper
95 100
174 88.4 0.0 171.2
176 85.7 0.0 168.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008753.D

Acq: 13 May 2022 16:48

Instrument :

MSVOA_Y

ClientSampleId :

P018-SS001-0006-01MS

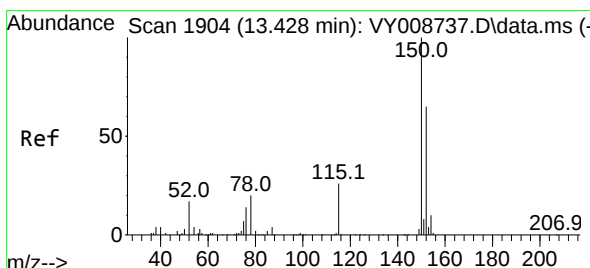
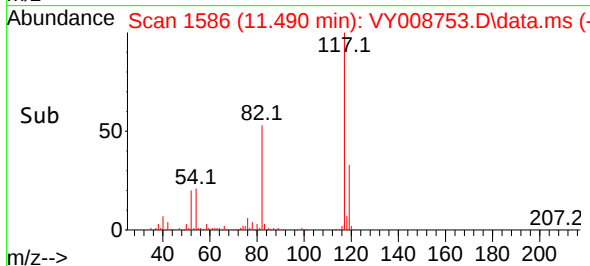
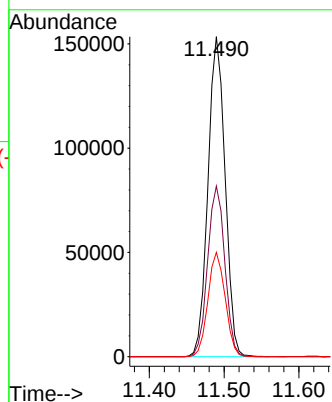
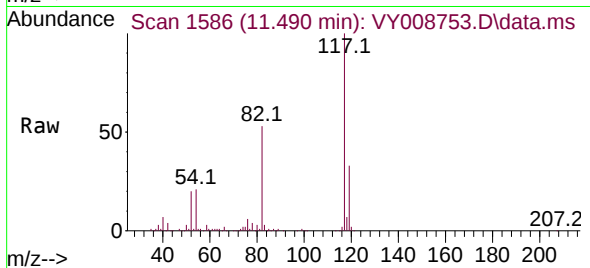
Tgt Ion:117 Resp: 244381

Ion Ratio Lower Upper

117 100

82 53.3 42.3 63.5

119 32.6 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY008753.D

Acq: 13 May 2022 16:48

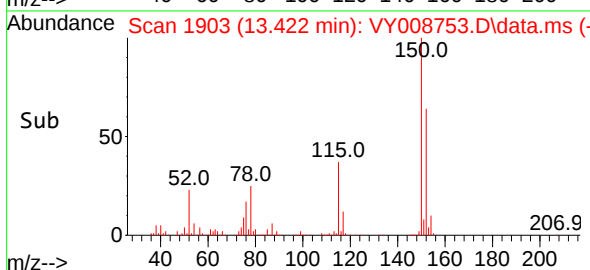
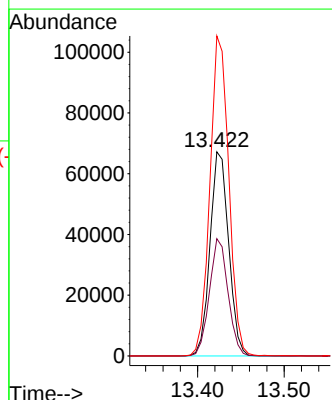
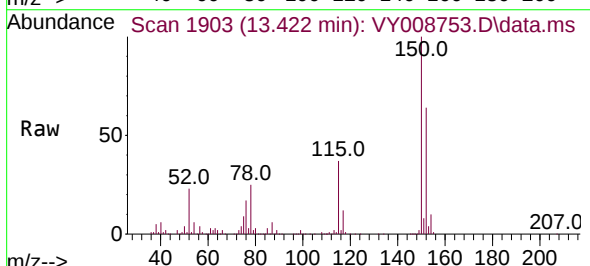
Tgt Ion:152 Resp: 100361

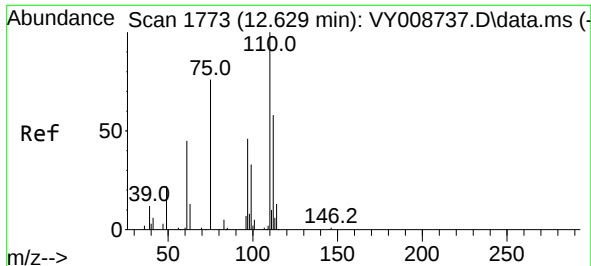
Ion Ratio Lower Upper

152 100

115 57.4 28.2 84.7

150 158.9 0.0 348.2

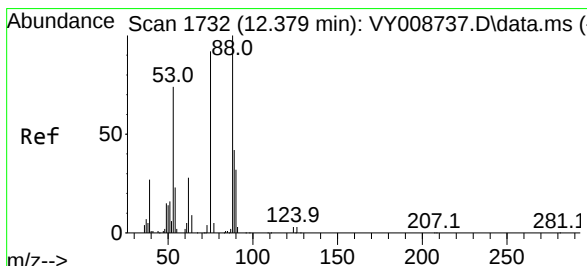
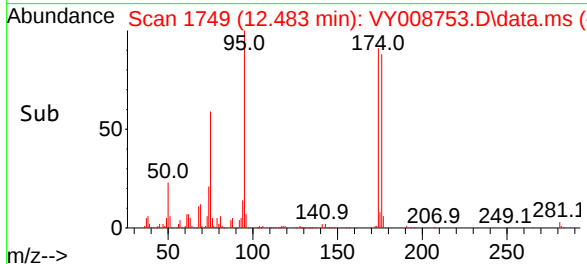
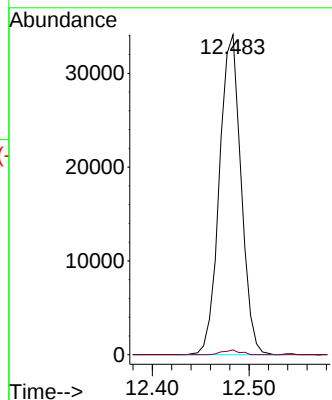
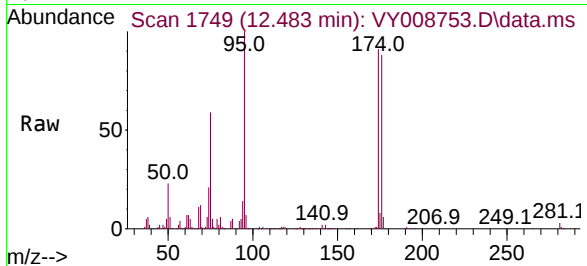




#76
1,2,3-Trichloropropane
Concen: 52.450 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008753.D
Acq: 13 May 2022 16:48

Instrument :
MSVOA_Y
ClientSampleId :
P018-SS001-0006-01MS

Tgt Ion: 75 Resp: 52970
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.328 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008753.D
Acq: 13 May 2022 16:48

Tgt Ion: 75 Resp: 52970
Ion Ratio Lower Upper
75 100
53 0.2 66.3 99.5#
89 0.1 36.8 55.2#

