

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051322\
 Data File : VY008747.D
 Acq On : 13 May 2022 14:28
 Operator : KP/MD
 Sample : N2781-12
 Misc : 3.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P011-SS003-1218-01

Quant Time: May 16 05:51:55 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)

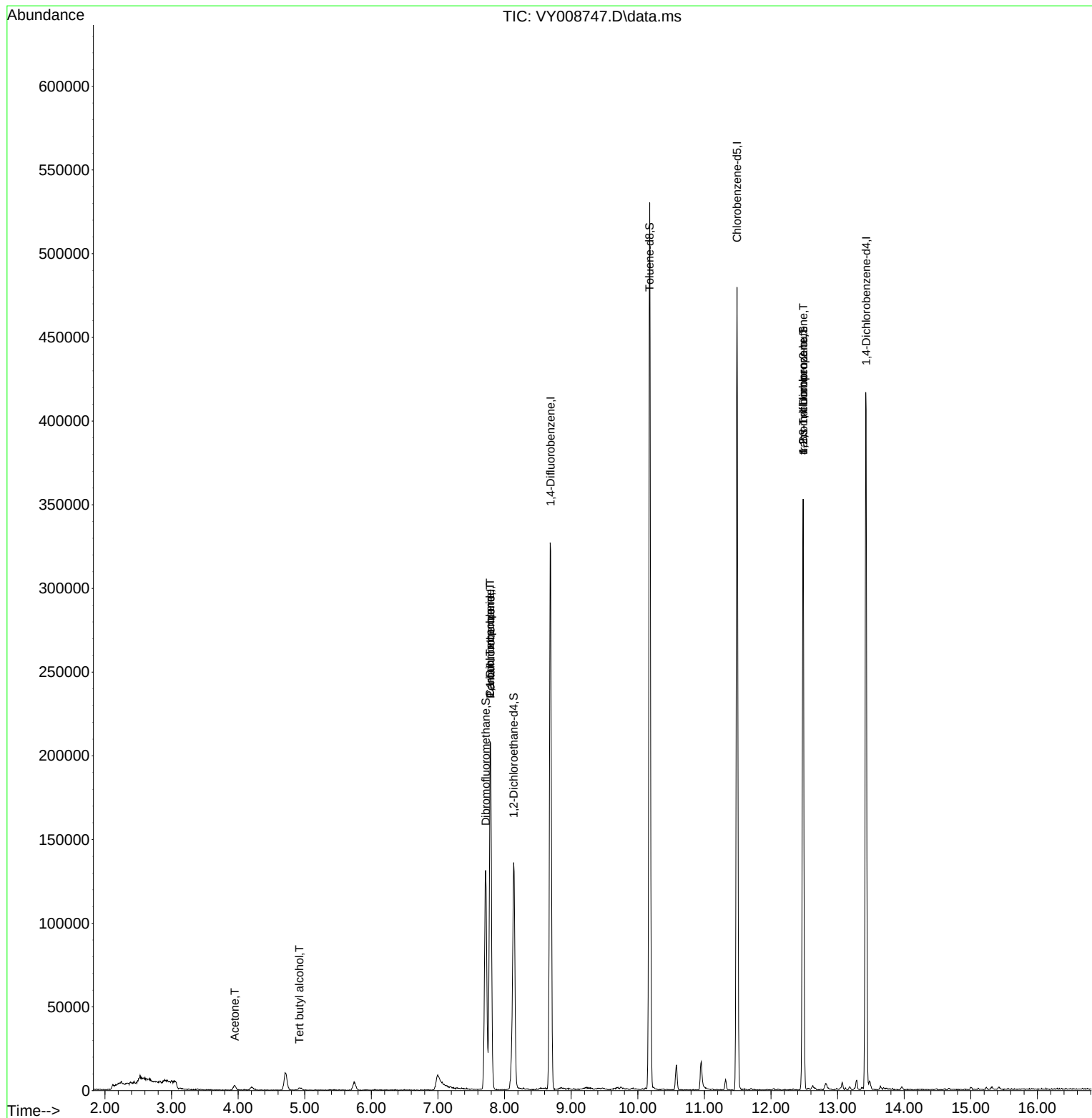
Internal Standards						
1) Pentafluorobenzene	7.789	168	158277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	281000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	256306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	94322	59.838	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.680%			
35) Dibromofluoromethane	7.716	113	92411	54.793	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.580%			
50) Toluene-d8	10.179	98	339055	53.308	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.620%			
62) 4-Bromofluorobenzene	12.483	95	97345	44.175	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.340%			
Target Compounds						
2) Dichlorodifluoromethane	1.912	85	165	Below Cal	#	42
3) Chloromethane	2.107	50	682	Below Cal	#	82
4) Vinyl Chloride	2.260	62	784	Below Cal	#	41
5) Bromomethane	2.662	94	1208	Below Cal		94
6) Chloroethane	2.796	64	43	Below Cal	#	42
11) Tert butyl alcohol	4.918	59	703	1.915 ug/l	#	85
16) Acetone	3.948	43	5148	11.346 ug/l		97
18) Methyl Acetate	4.265	43	173	Below Cal	#	49
20) Methylene Chloride	4.716	84	7934	Below Cal		95
31) Cyclohexane	7.783	56	3812	Below Cal	#	42
36) 1,1-Dichloropropene	7.783	75	13164	4.882 ug/l	#	50
38) Carbon Tetrachloride	7.783	117	16203	5.694 ug/l	#	15
76) 1,2,3-Trichloropropane	12.483	75	55367	53.152 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	55367	102.683 ug/l	#	16

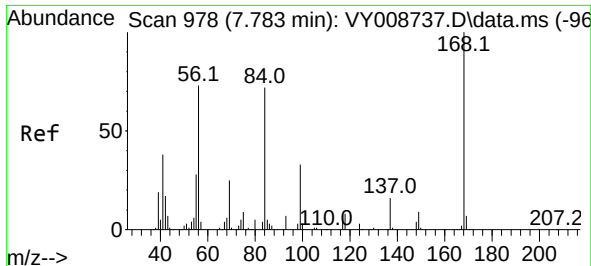
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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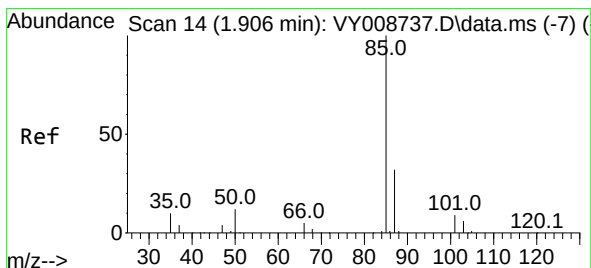
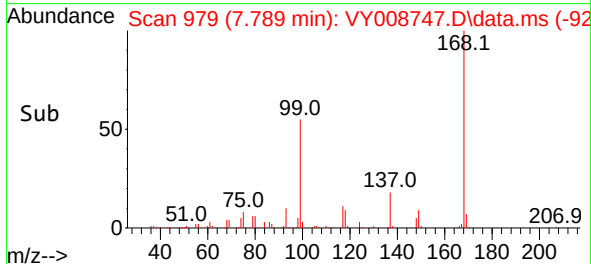
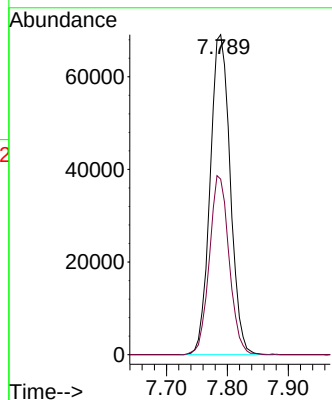
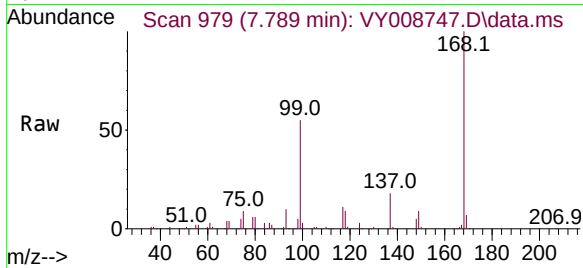




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008747.D
Acq: 13 May 2022 14:28

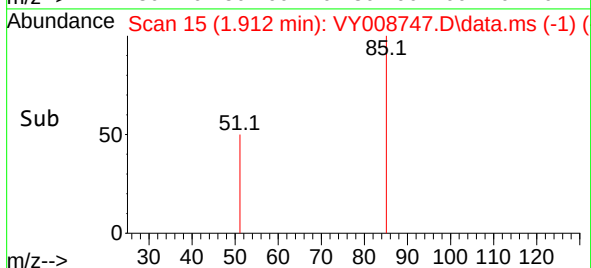
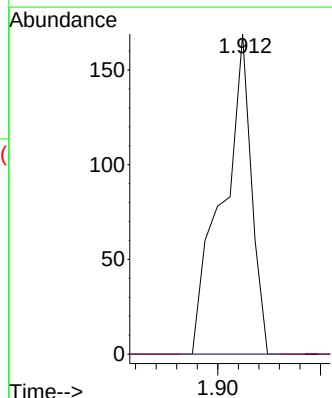
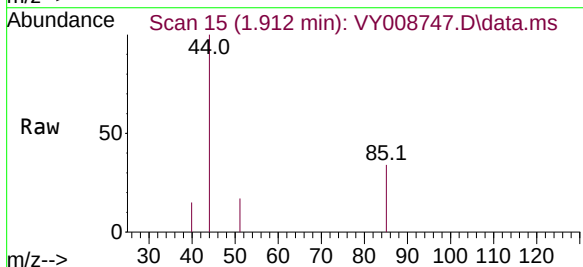
Instrument :
MSVOA_Y
ClientSampleId :
P011-SS003-1218-01

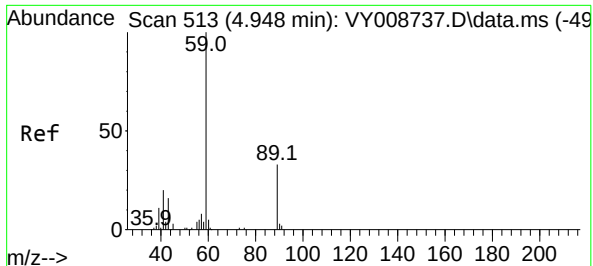
Tgt Ion:168 Resp: 158277
Ion Ratio Lower Upper
168 100
99 54.9 42.3 63.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY008747.D
Acq: 13 May 2022 14:28

Tgt Ion: 85 Resp: 165
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#





#11

Tert butyl alcohol

Concen: 1.915 ug/l

RT: 4.918 min Scan# 508

Delta R.T. -0.030 min

Lab File: VY008747.D

Acq: 13 May 2022 14:28

Instrument :

MSVOA_Y

ClientSampleId :

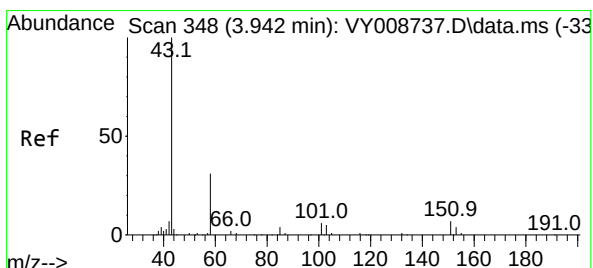
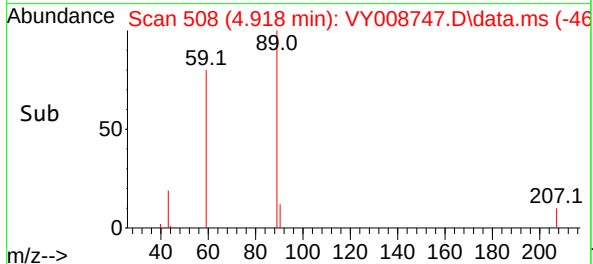
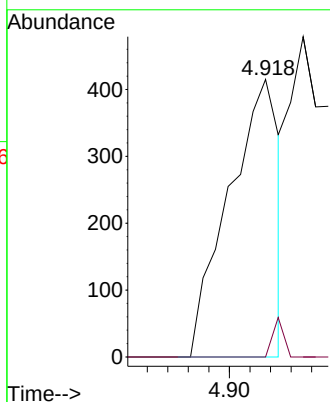
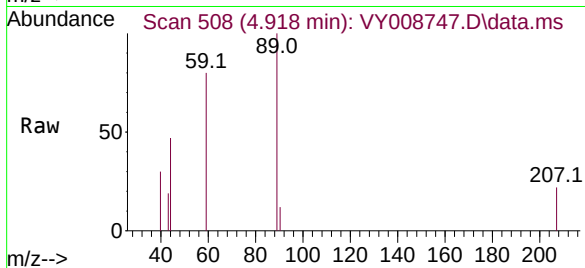
P011-SS003-1218-01

Tgt Ion: 59 Resp: 703

Ion Ratio Lower Upper

59 100

57 3.1 6.7 10.1#



#16

Acetone

Concen: 11.346 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY008747.D

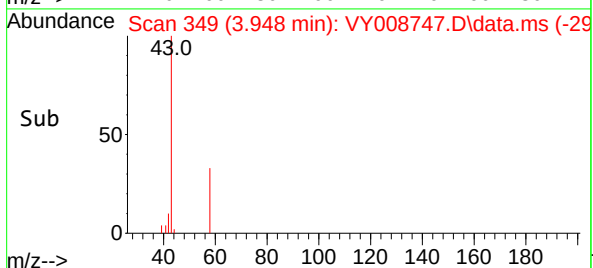
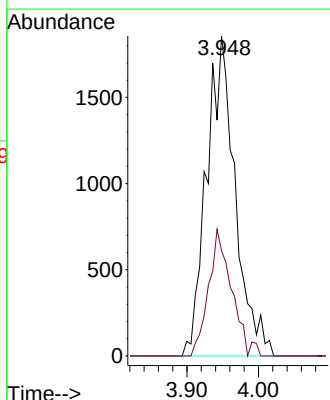
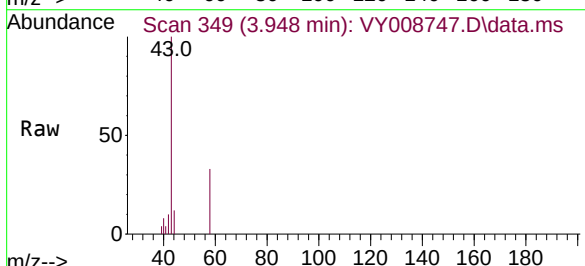
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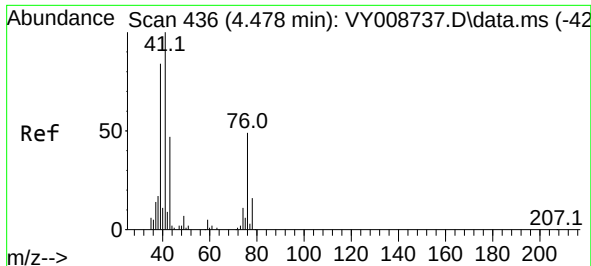
Tgt Ion: 43 Resp: 5148

Ion Ratio Lower Upper

43 100

58 32.8 25.1 37.7





#18

Methyl Acetate

Concen: Below Cal

RT: 4.265 min Scan# 401

Delta R.T. -0.213 min

Lab File: VY008747.D

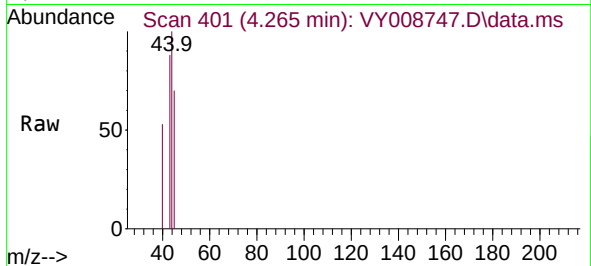
Acq: 13 May 2022 14:28

Instrument :

MSVOA_Y

ClientSampleId :

P011-SS003-1218-01

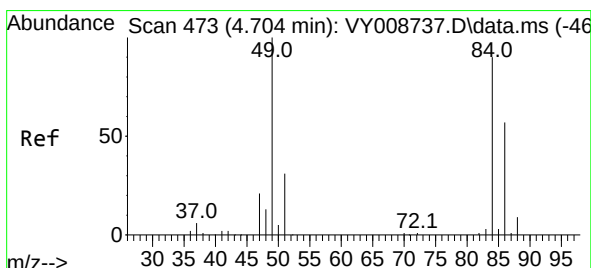
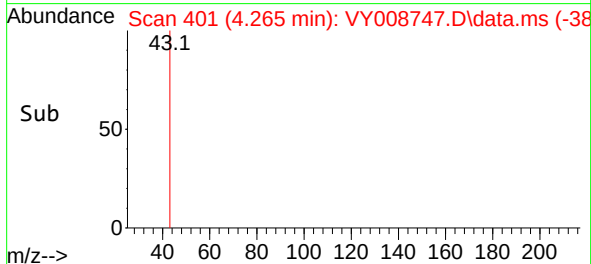
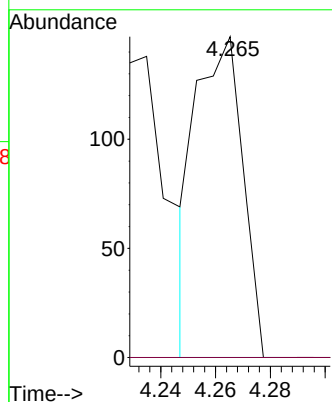


Tgt Ion: 43 Resp: 173

Ion Ratio Lower Upper

43 100

74 0.0 20.6 31.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.012 min

Lab File: VY008747.D

Acq: 13 May 2022 14:28

Tgt Ion: 84 Resp: 7934

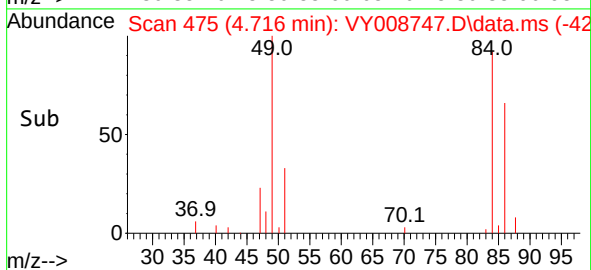
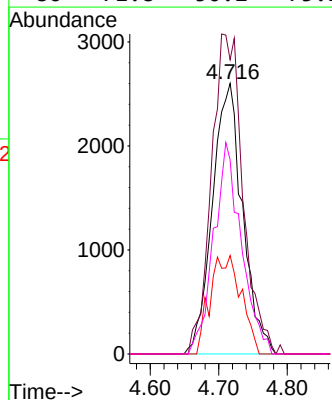
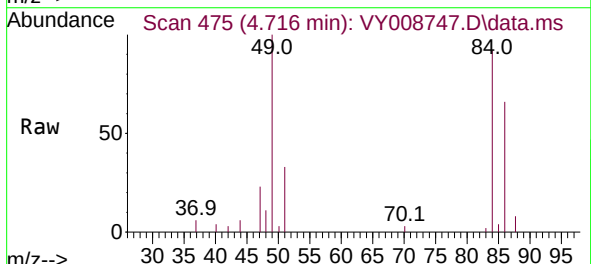
Ion Ratio Lower Upper

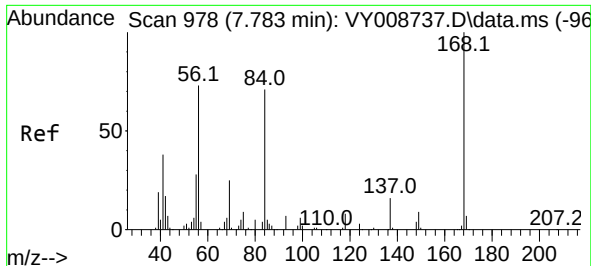
84 100

49 108.8 88.6 133.0

51 36.4 27.4 41.0

86 71.8 50.2 75.2

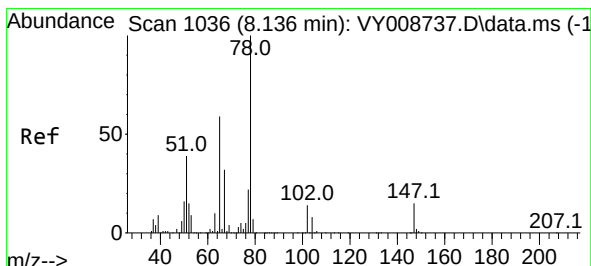
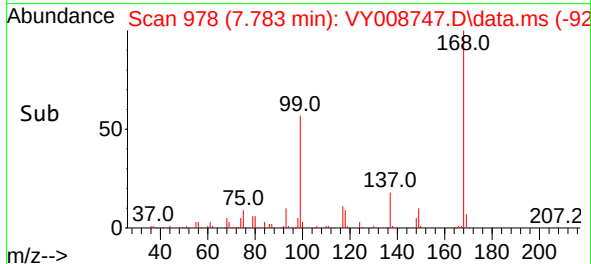
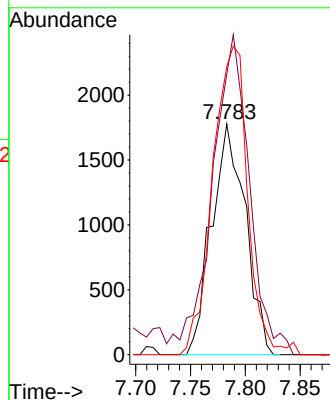
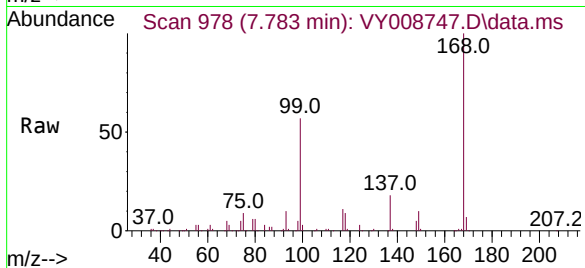




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008747.D
Acq: 13 May 2022 14:28

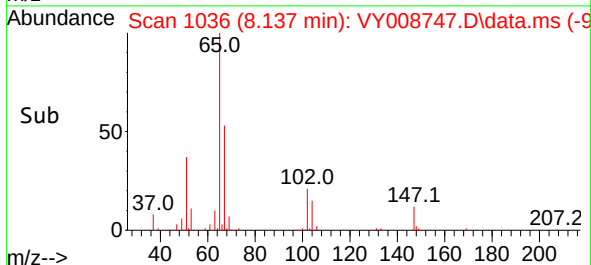
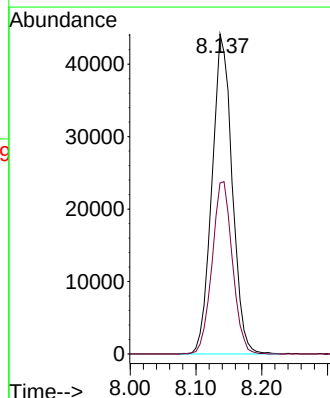
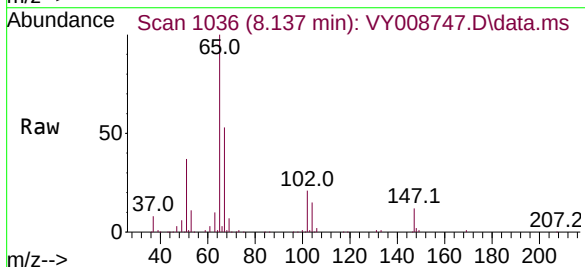
Instrument :
MSVOA_Y
ClientSampleId :
P011-SS003-1218-01

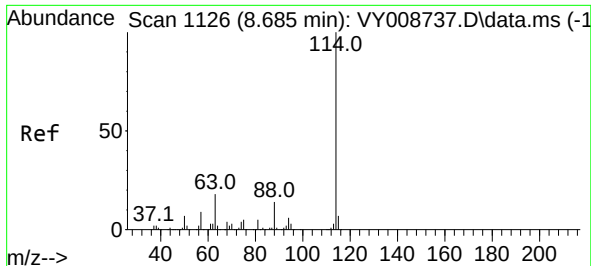
Tgt Ion: 56 Resp: 3812
Ion Ratio Lower Upper
56 100
69 115.2 27.4 41.0#
84 124.8 77.5 116.3#



#33
1,2-Dichloroethane-d4
Concen: 59.838 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY008747.D
Acq: 13 May 2022 14:28

Tgt Ion: 65 Resp: 94322
Ion Ratio Lower Upper
65 100
67 54.2 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY008747.D

Acq: 13 May 2022 14:28

Instrument :

MSVOA_Y

ClientSampleId :

P011-SS003-1218-01

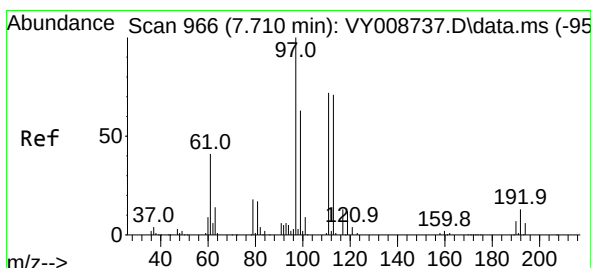
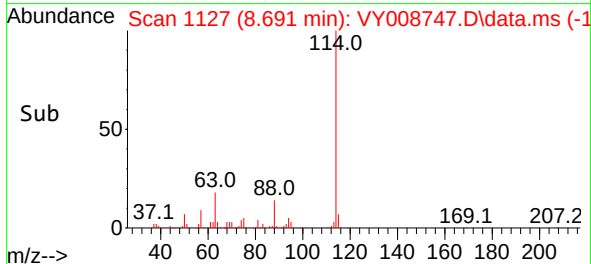
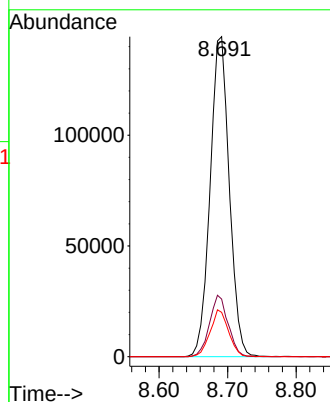
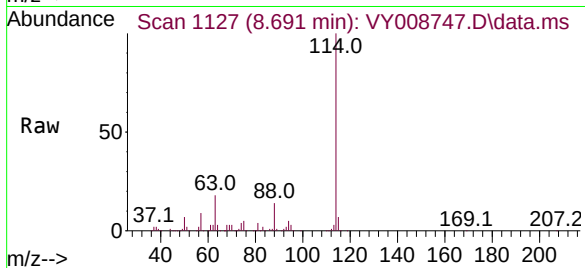
Tgt Ion:114 Resp: 281000

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.4

88 13.9 0.0 27.4



#35

Dibromofluoromethane

Concen: 54.793 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY008747.D

Acq: 13 May 2022 14:28

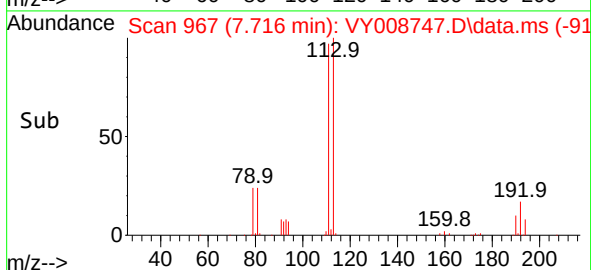
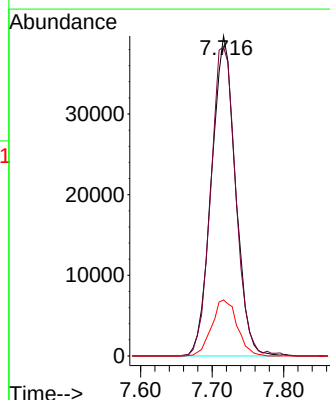
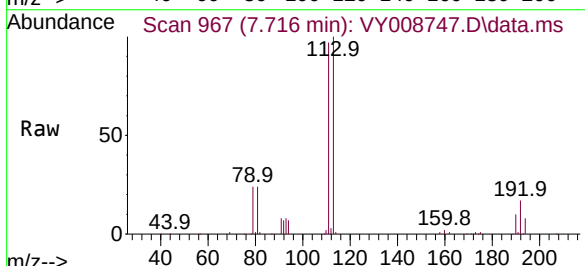
Tgt Ion:113 Resp: 92411

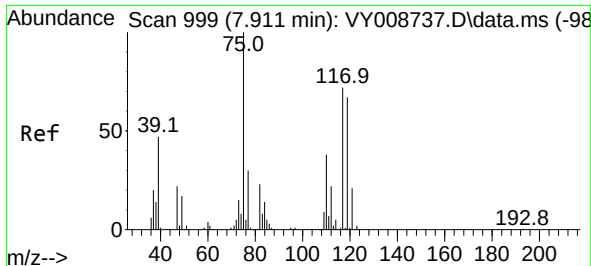
Ion Ratio Lower Upper

113 100

111 100.6 81.8 122.6

192 18.5 14.5 21.7

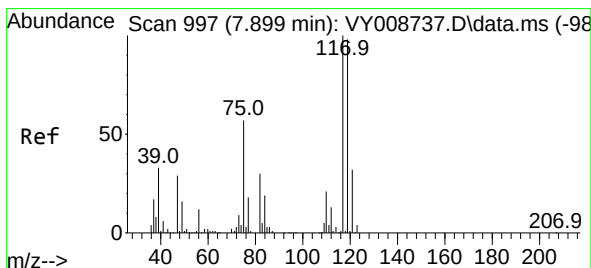
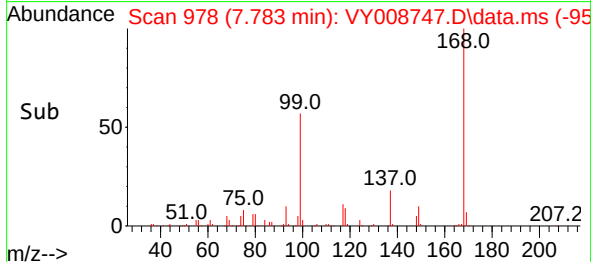
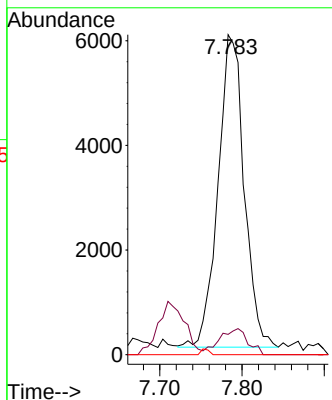
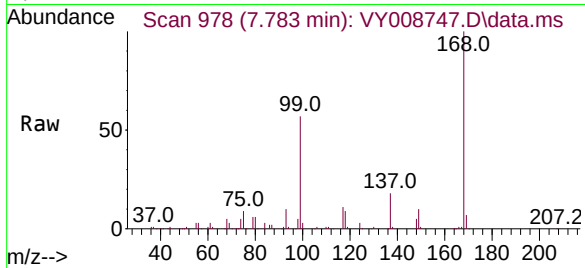




#36
 1,1-Dichloropropene
 Concen: 4.882 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY008747.D
 Acq: 13 May 2022 14:28

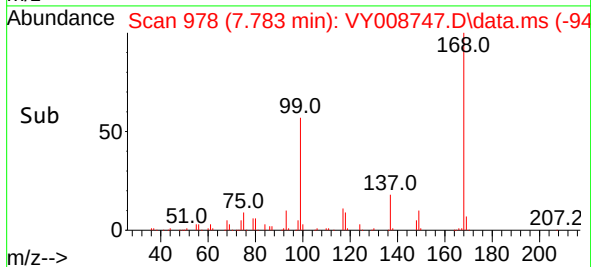
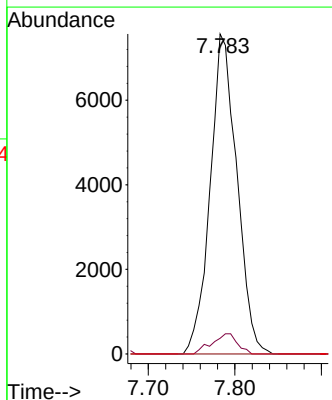
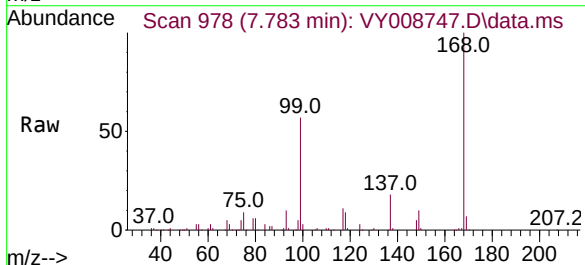
Instrument :
 MSVOA_Y
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 P011-SS003-1218-01

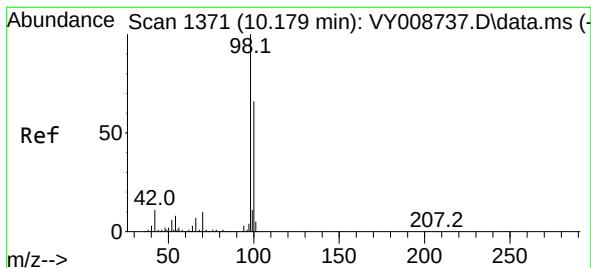
Tgt Ion: 75 Resp: 13164
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.1#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.694 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.116 min
 Lab File: VY008747.D
 Acq: 13 May 2022 14:28

Tgt Ion: 117 Resp: 16203
 Ion Ratio Lower Upper
 117 100
 119 4.9 78.5 117.7#
 121 0.0 25.8 38.8#





#50

Toluene-d8

Concen: 53.308 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY008747.D

Acq: 13 May 2022 14:28

Instrument :

MSVOA_Y

ClientSampleId :

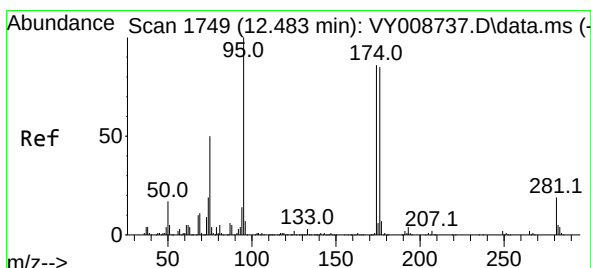
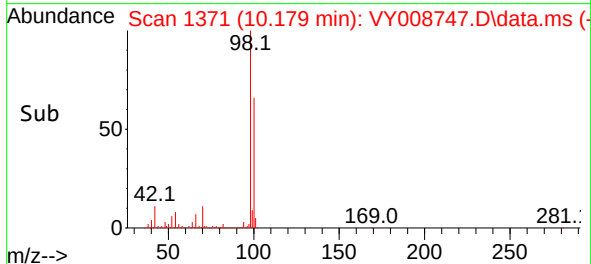
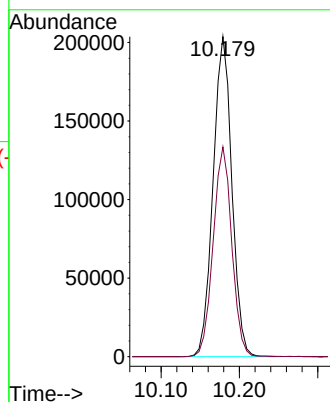
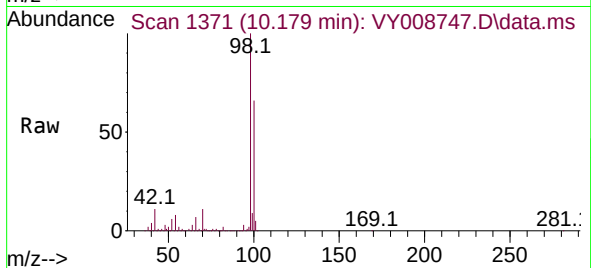
P011-SS003-1218-01

Tgt Ion: 98 Resp: 339055

Ion Ratio Lower Upper

98 100

100 65.1 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 44.175 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY008747.D

Acq: 13 May 2022 14:28

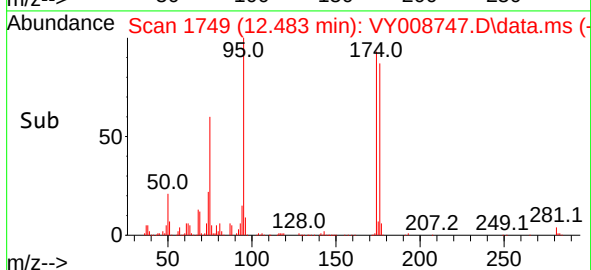
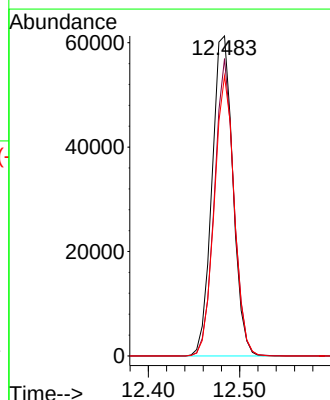
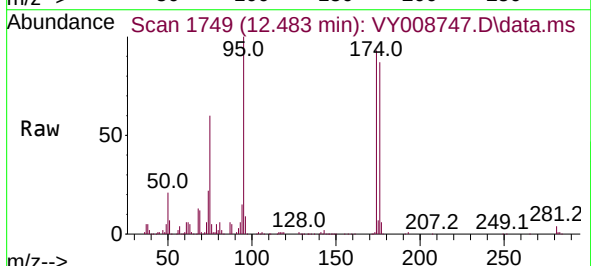
Tgt Ion: 95 Resp: 97345

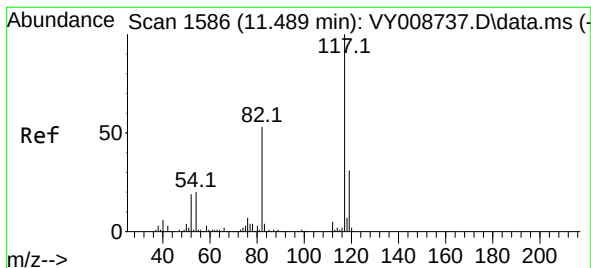
Ion Ratio Lower Upper

95 100

174 86.2 0.0 171.2

176 83.7 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: VY008747.D

Acq: 13 May 2022 14:28

Instrument :

MSVOA_Y

ClientSampleId :

P011-SS003-1218-01

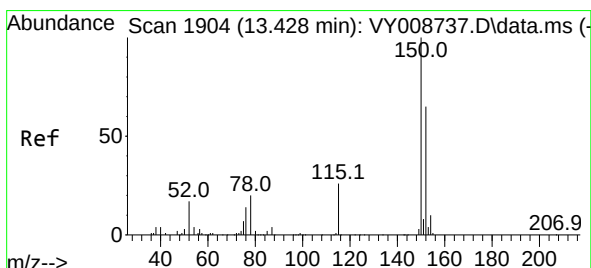
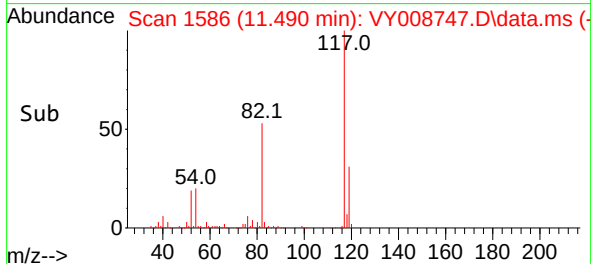
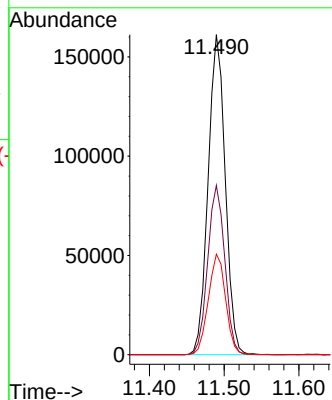
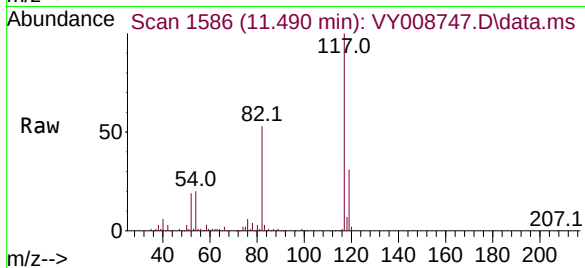
Tgt Ion:117 Resp: 256306

Ion Ratio Lower Upper

117 100

82 52.9 42.3 63.5

119 31.4 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY008747.D

Acq: 13 May 2022 14:28

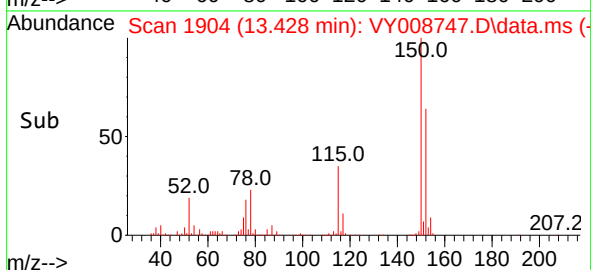
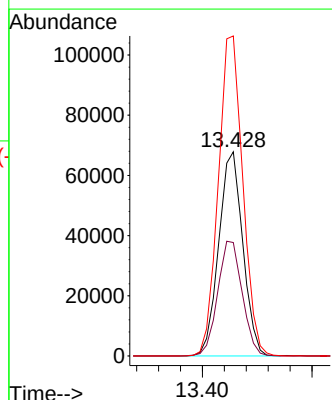
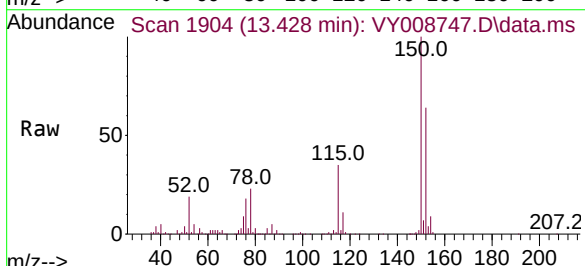
Tgt Ion:152 Resp: 103518

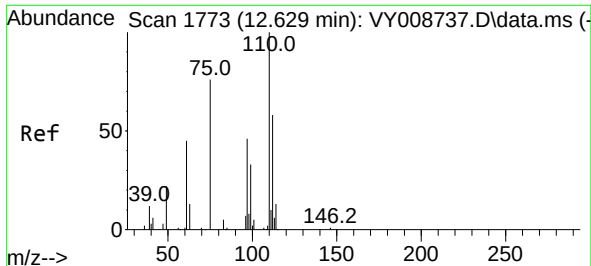
Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.7

150 159.4 0.0 348.2

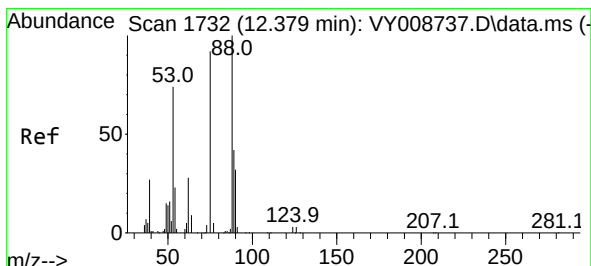
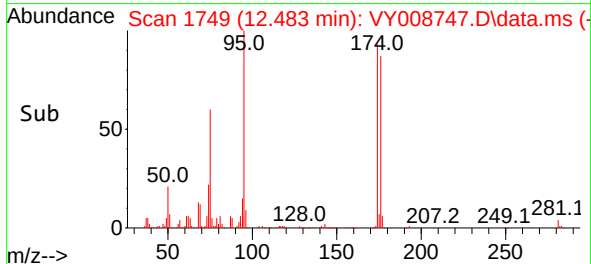
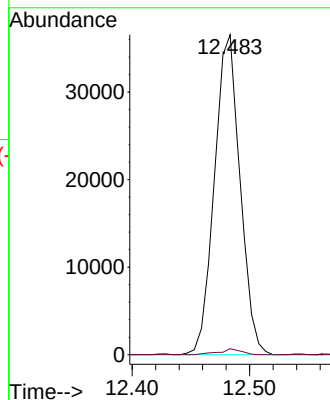
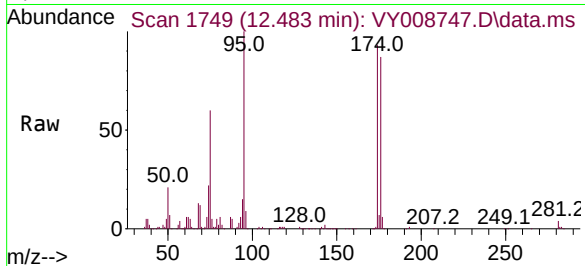




#76
1,2,3-Trichloropropane
Concen: 53.152 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008747.D
Acq: 13 May 2022 14:28

Instrument :
MSVOA_Y
ClientSampleId :
P011-SS003-1218-01

Tgt Ion: 75 Resp: 55367
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.683 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008747.D
Acq: 13 May 2022 14:28

Tgt Ion: 75 Resp: 55367
Ion Ratio Lower Upper
75 100
53 0.2 66.3 99.5#
89 0.0 36.8 55.2#

