

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052022\
 Data File : VY008931.D
 Acq On : 21 May 2022 02:49
 Operator : KP/MD
 Sample : N2888-02
 Misc : 5.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P041-SS001-1218-01

Quant Time: May 21 04:25:26 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)

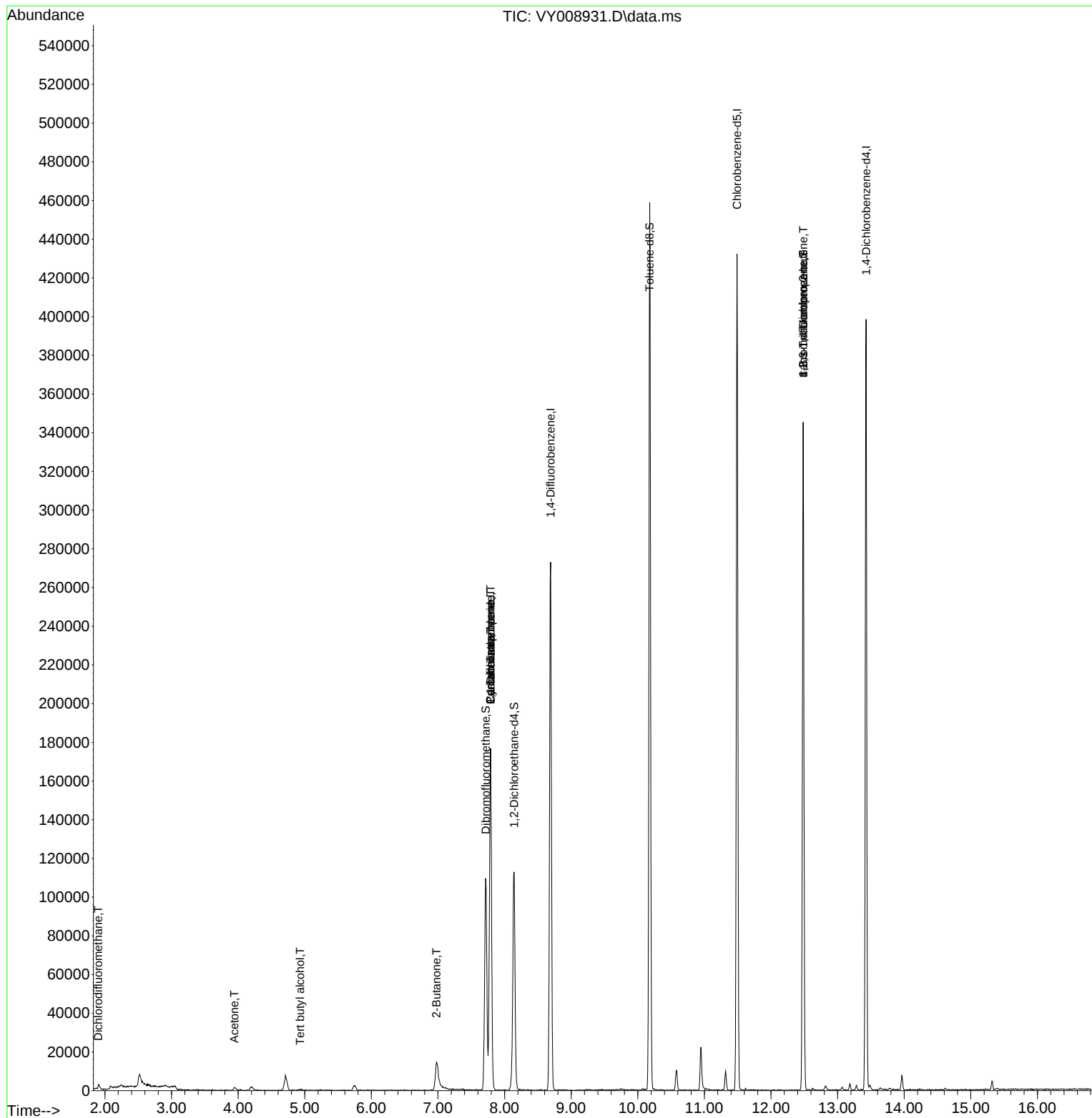
Internal Standards						
1) Pentafluorobenzene	7.789	168	131628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	234255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	224501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	84652	62.488	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 124.980%		
35) Dibromofluoromethane	7.716	113	74431	51.096	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 102.200%		
50) Toluene-d8	10.179	98	293018	54.526	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 109.060%		
62) 4-Bromofluorobenzene	12.483	95	86022	39.682	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 79.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	1705	1.416	ug/l	95
11) Tert butyl alcohol	4.930	59	327	2.380	ug/l #	77
16) Acetone	3.942	43	2292	8.128	ug/l	95
20) Methylene Chloride	4.710	84	5095	Below Cal		87
25) 2-Butanone	6.978	43	600	1.191	ug/l #	54
31) Cyclohexane	7.789	56	3276	1.236	ug/l #	22
36) 1,1-Dichloropropene	7.789	75	11661	4.704	ug/l #	50
38) Carbon Tetrachloride	7.789	117	13280	5.121	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	50202	48.311	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	50202	99.159	ug/l #	7

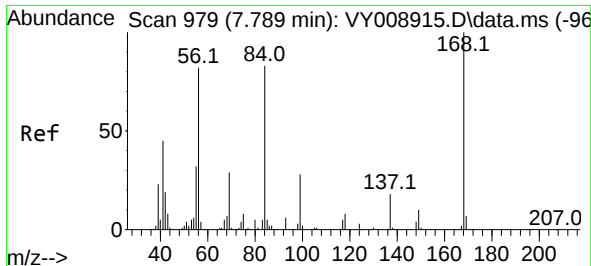
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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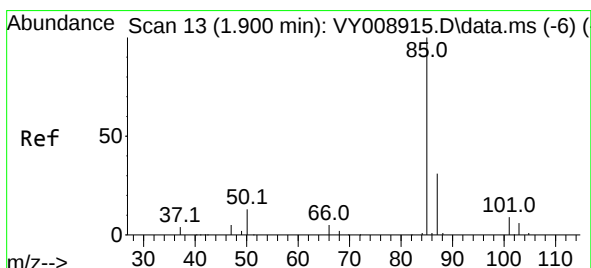
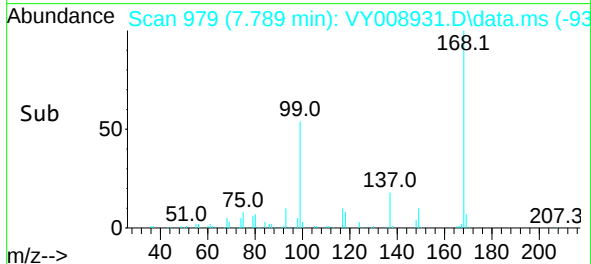
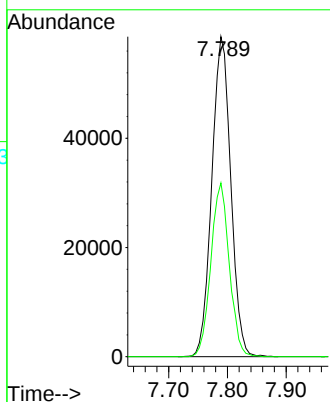
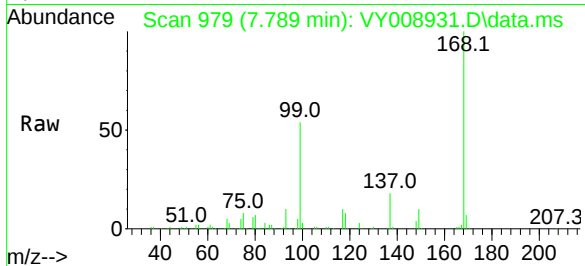




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008931.D
Acq: 21 May 2022 02:49

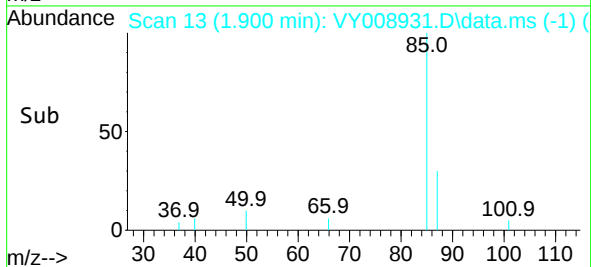
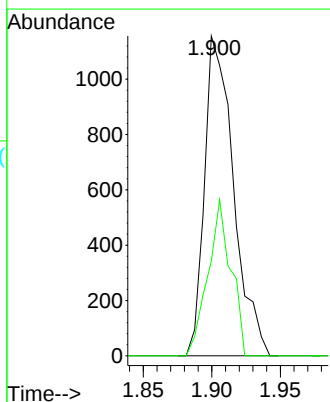
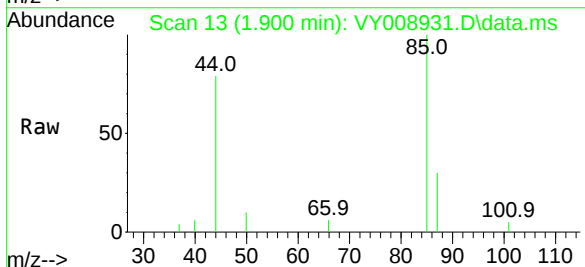
Instrument :
MSVOA_Y
ClientSampleId :
P041-SS001-1218-01

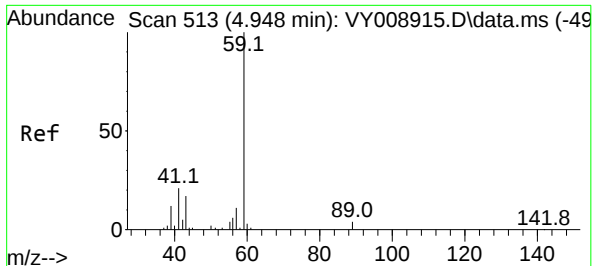
Tgt Ion:168 Resp: 131628
Ion Ratio Lower Upper
168 100
99 54.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 1.416 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY008931.D
Acq: 21 May 2022 02:49

Tgt Ion: 85 Resp: 1705
Ion Ratio Lower Upper
85 100
87 29.6 16.1 48.2





#11

Tert butyl alcohol

Concen: 2.380 ug/l

RT: 4.930 min Scan# 51

Delta R.T. -0.018 min

Lab File: VY008931.D

Acq: 21 May 2022 02:49

Instrument :

MSVOA_Y

ClientSampleId :

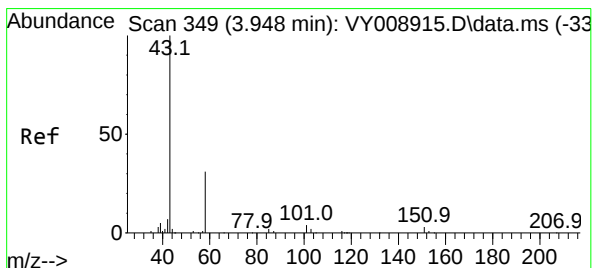
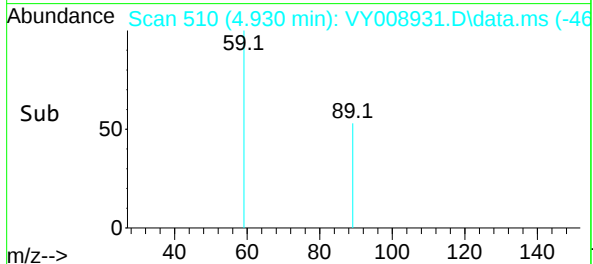
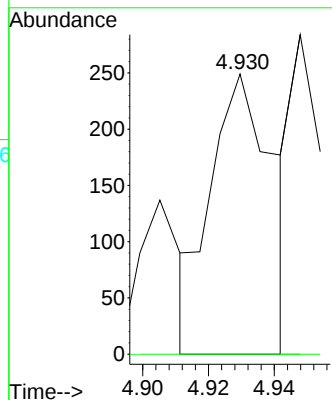
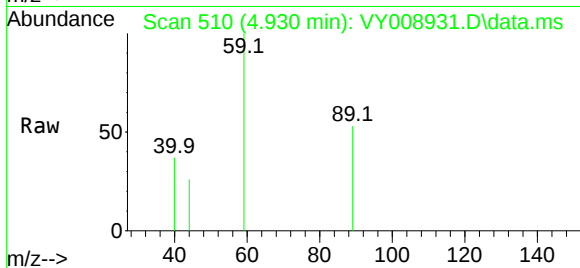
P041-SS001-1218-01

Tgt Ion: 59 Resp: 327

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 8.128 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY008931.D

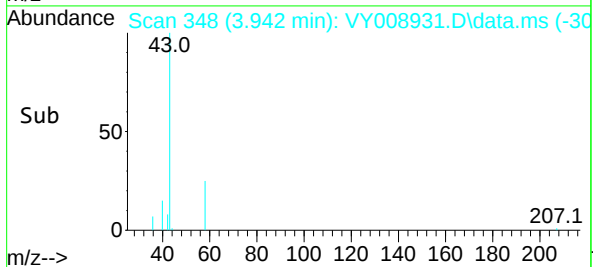
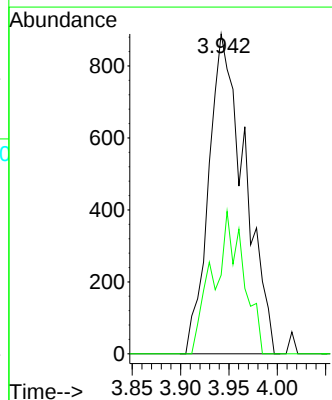
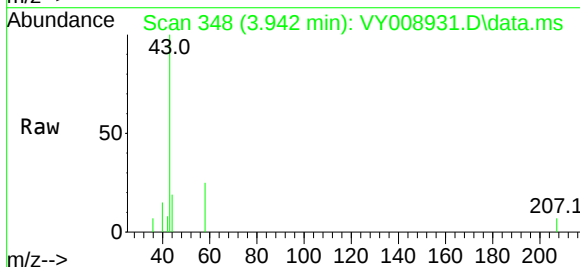
Acq: 21 May 2022 02:49

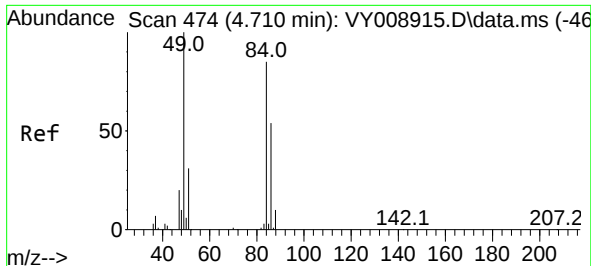
Tgt Ion: 43 Resp: 2292

Ion Ratio Lower Upper

43 100

58 24.6 22.0 33.0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY008931.D

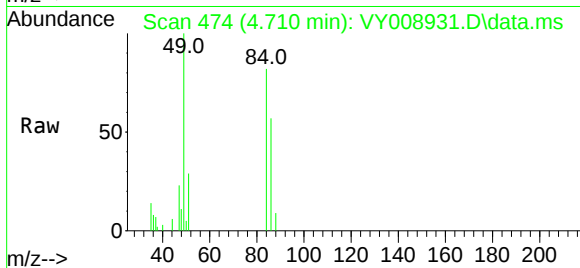
Acq: 21 May 2022 02:49

Instrument :

MSVOA_Y

ClientSampleId :

P041-SS001-1218-01



Tgt Ion: 84 Resp: 5095

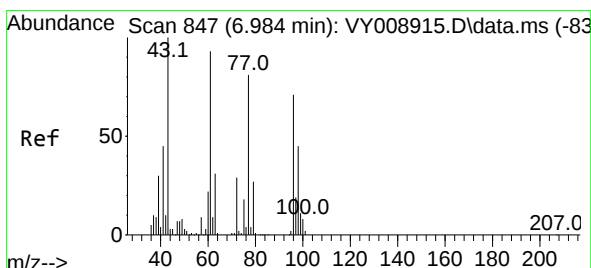
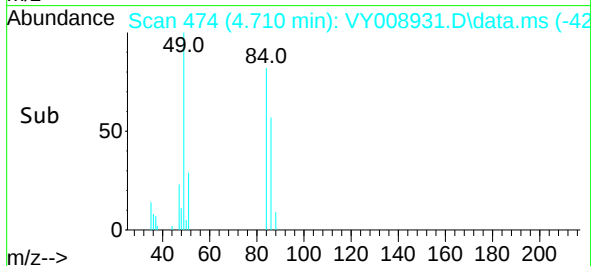
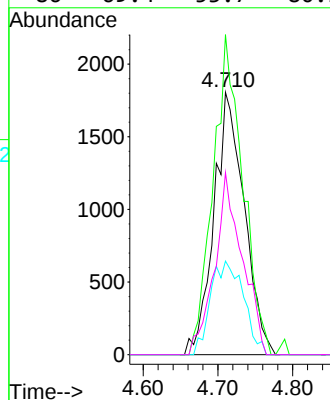
Ion Ratio Lower Upper

84 100

49 122.0 114.4 171.6

51 35.7 35.3 52.9

86 69.4 53.7 80.5



#25

2-Butanone

Concen: 1.191 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY008931.D

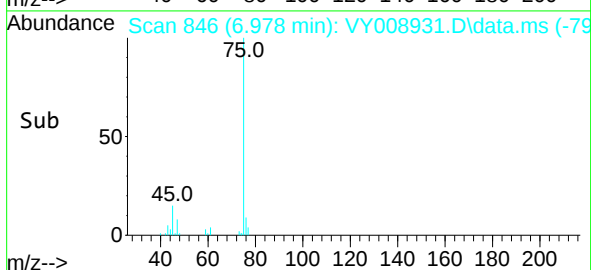
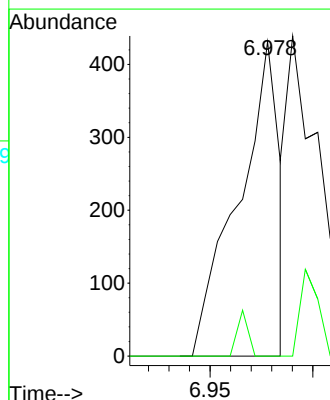
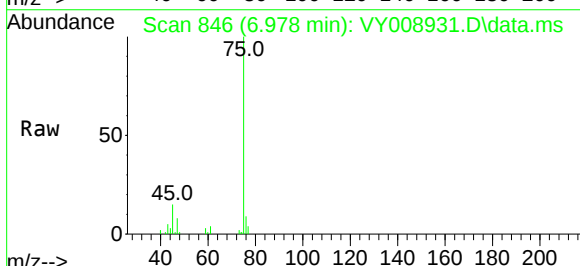
Acq: 21 May 2022 02:49

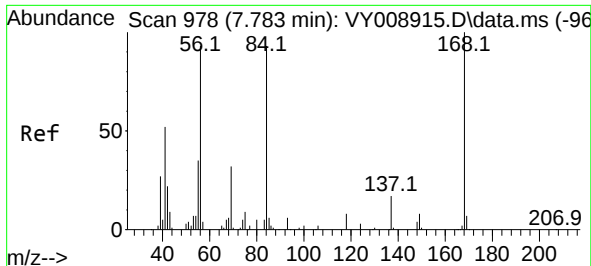
Tgt Ion: 43 Resp: 600

Ion Ratio Lower Upper

43 100

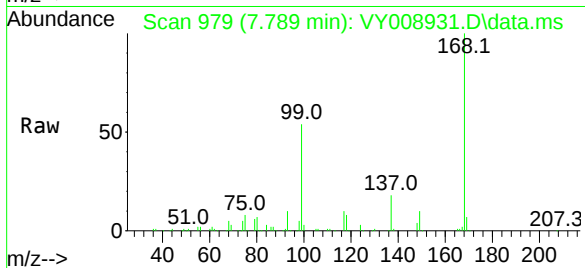
72 0.0 17.7 26.5#



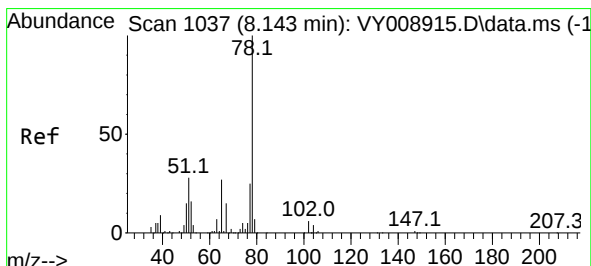
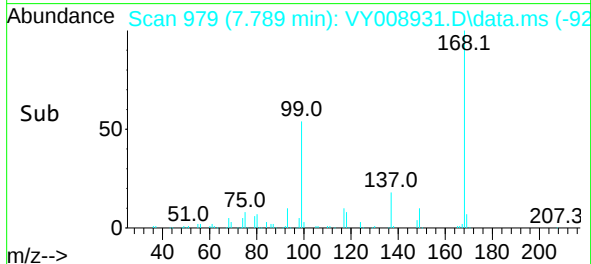
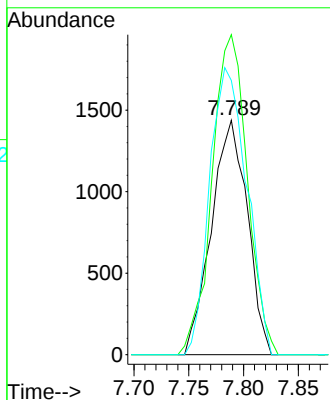


#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008931.D
Acq: 21 May 2022 02:49

Instrument :
MSVOA_Y
ClientSampleId :
P041-SS001-1218-01

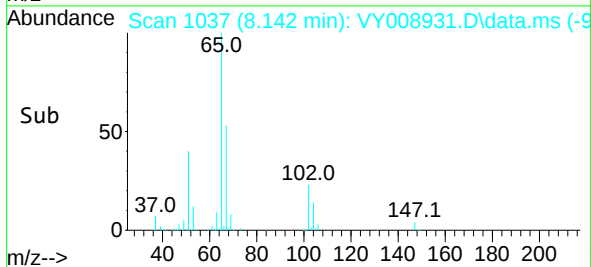
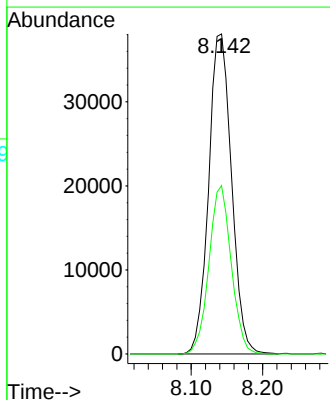
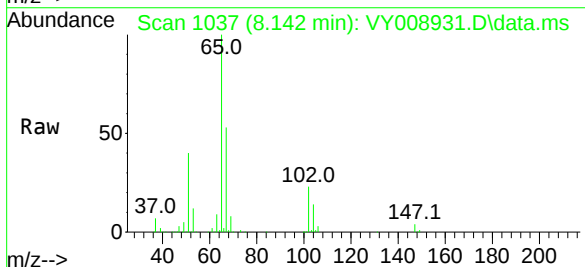


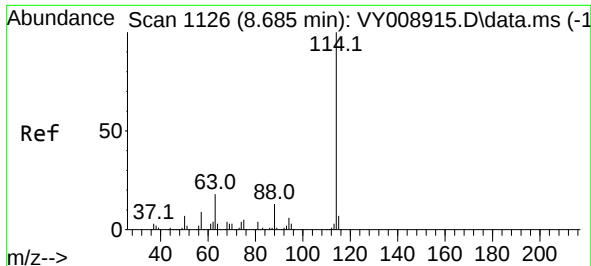
Tgt Ion: 56 Resp: 3276
Ion Ratio Lower Upper
56 100
69 136.5 26.7 40.1#
84 117.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 62.488 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY008931.D
Acq: 21 May 2022 02:49

Tgt Ion: 65 Resp: 84652
Ion Ratio Lower Upper
65 100
67 51.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY008931.D

Acq: 21 May 2022 02:49

Instrument :

MSVOA_Y

ClientSampleId :

P041-SS001-1218-01

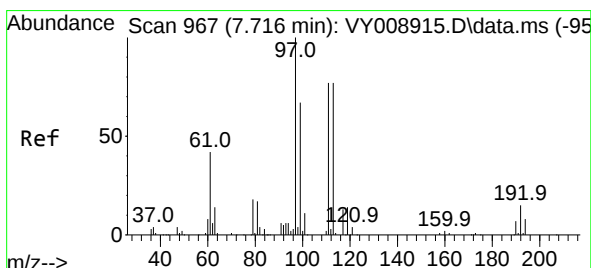
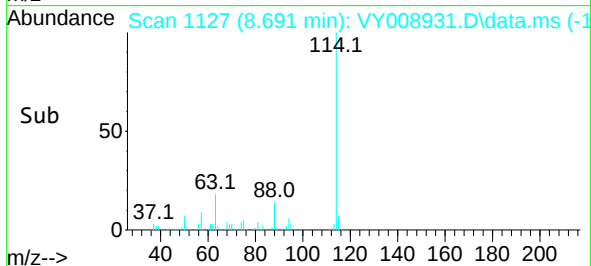
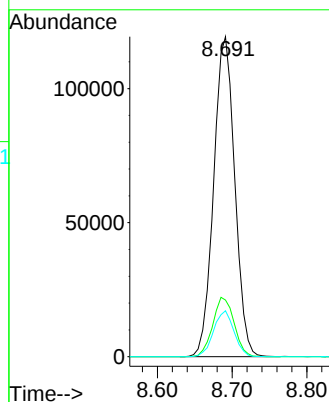
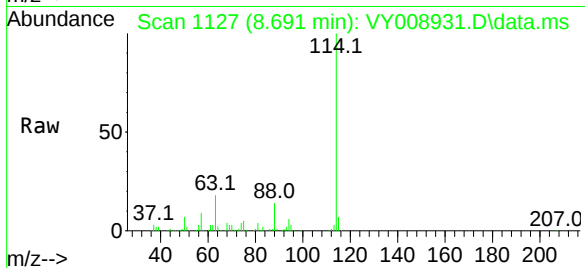
Tgt Ion:114 Resp: 234255

Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

88 14.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.096 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008931.D

Acq: 21 May 2022 02:49

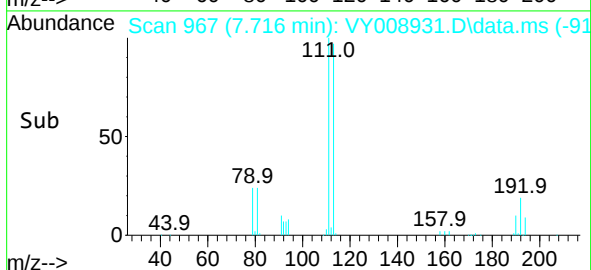
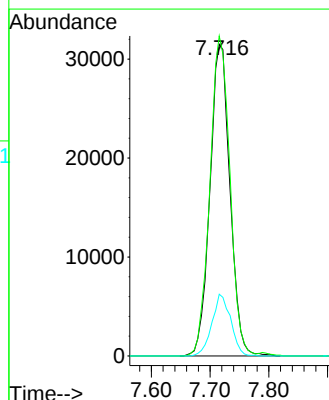
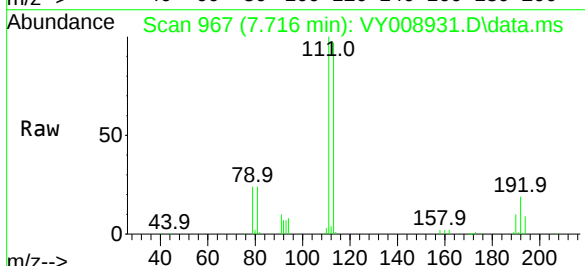
Tgt Ion:113 Resp: 74431

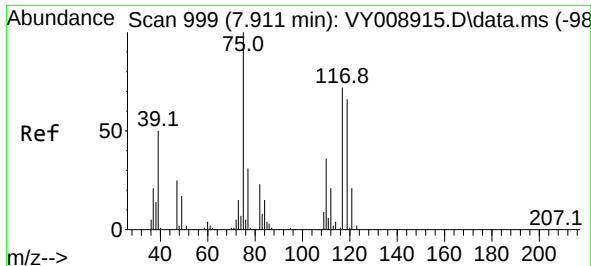
Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 18.7 17.6 26.4

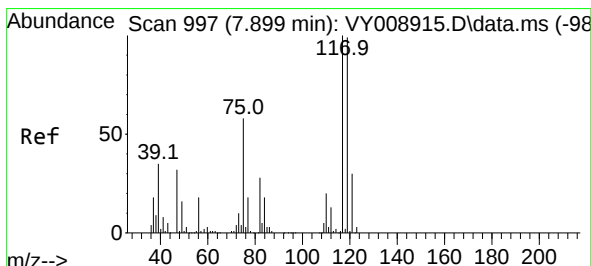
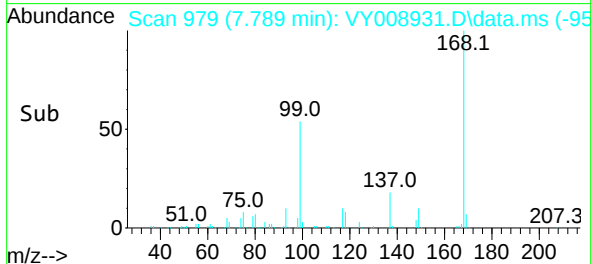
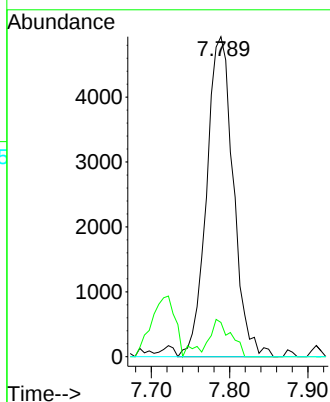
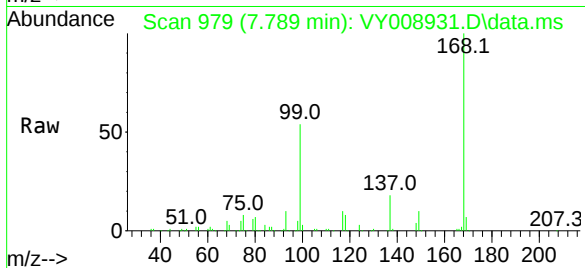




#36
1,1-Dichloropropene
Concen: 4.704 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.122 min
Lab File: VY008931.D
Acq: 21 May 2022 02:49

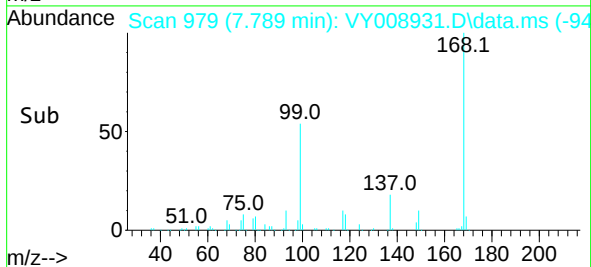
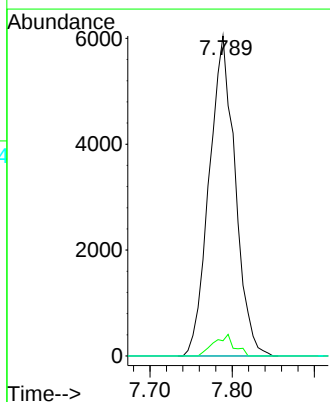
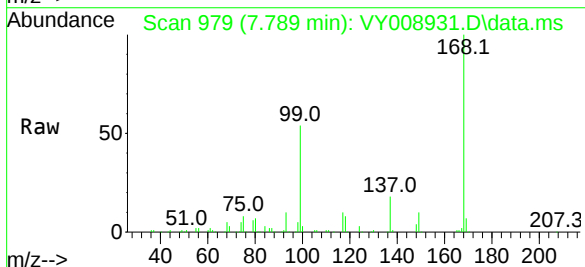
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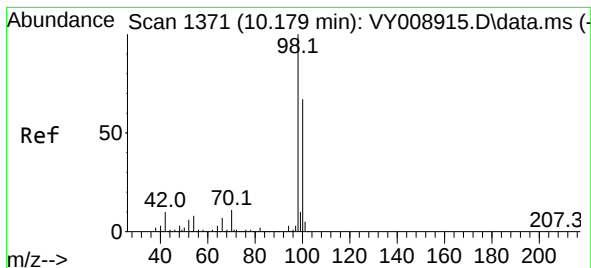
Tgt Ion: 75 Resp: 11661
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.121 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY008931.D
Acq: 21 May 2022 02:49

Tgt Ion: 117 Resp: 13280
Ion Ratio Lower Upper
117 100
119 4.8 77.9 116.9#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 54.526 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY008931.D

Acq: 21 May 2022 02:49

Instrument :

MSVOA_Y

ClientSampleId :

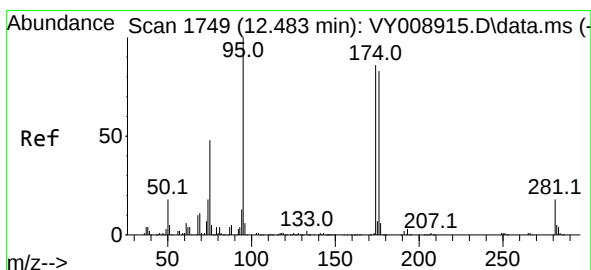
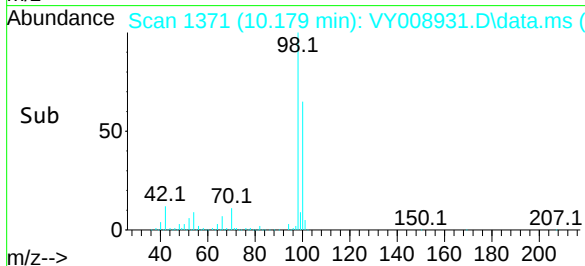
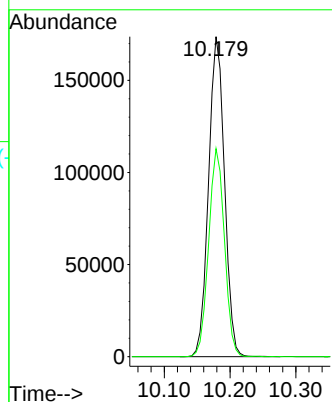
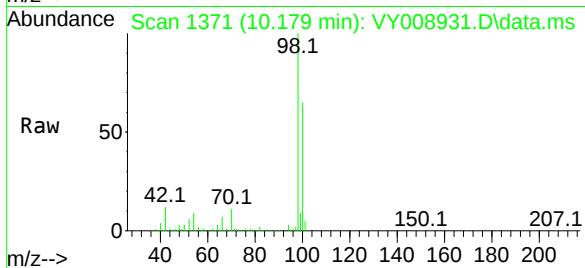
P041-SS001-1218-01

Tgt Ion: 98 Resp: 293018

Ion Ratio Lower Upper

98 100

100 64.5 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 39.682 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY008931.D

Acq: 21 May 2022 02:49

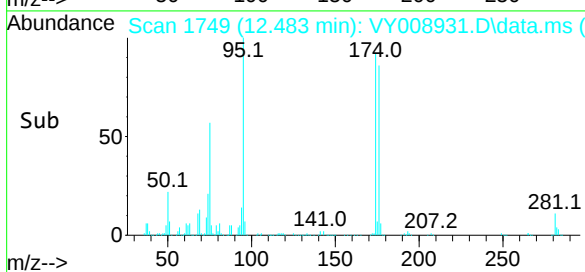
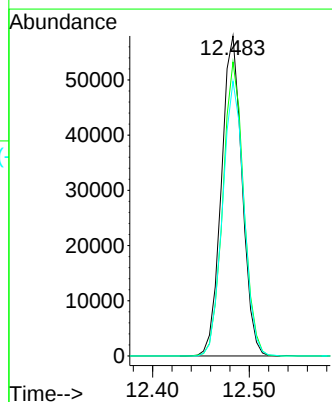
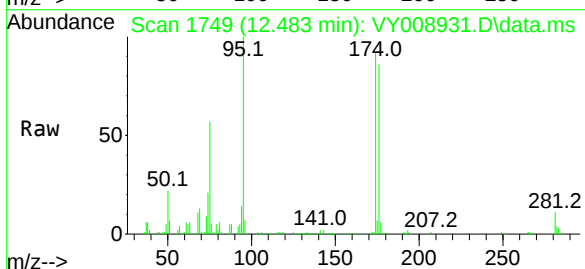
Tgt Ion: 95 Resp: 86022

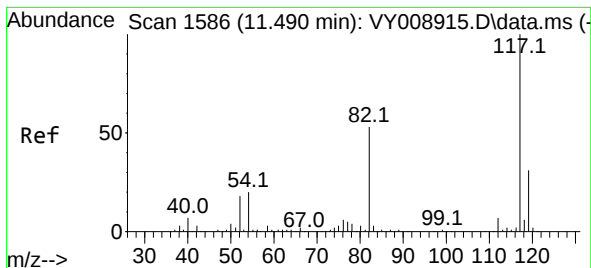
Ion Ratio Lower Upper

95 100

174 92.3 0.0 177.0

176 88.3 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY008931.D

Acq: 21 May 2022 02:49

Instrument :

MSVOA_Y

ClientSampleId :

P041-SS001-1218-01

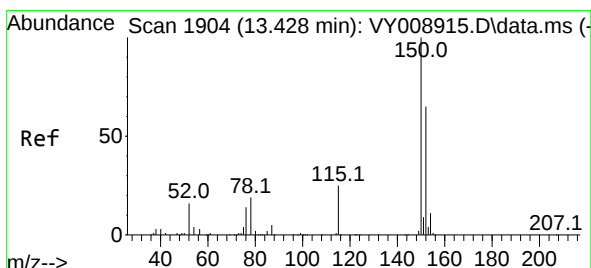
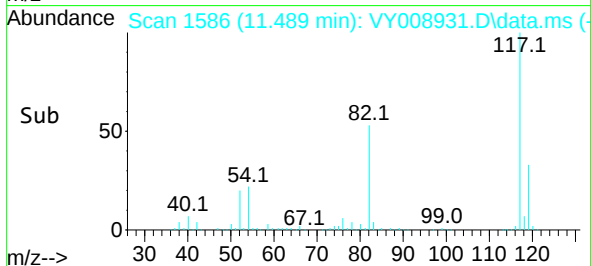
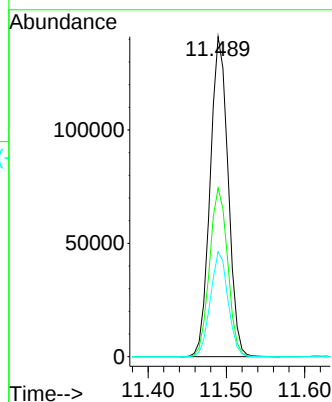
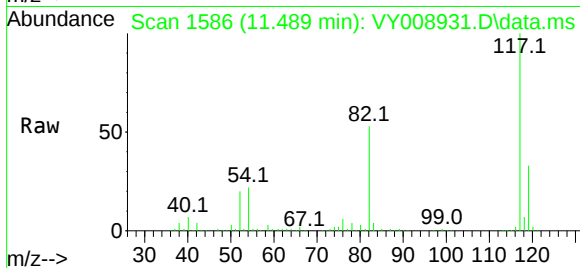
Tgt Ion:117 Resp: 224501

Ion Ratio Lower Upper

117 100

82 52.8 43.0 64.4

119 32.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY008931.D

Acq: 21 May 2022 02:49

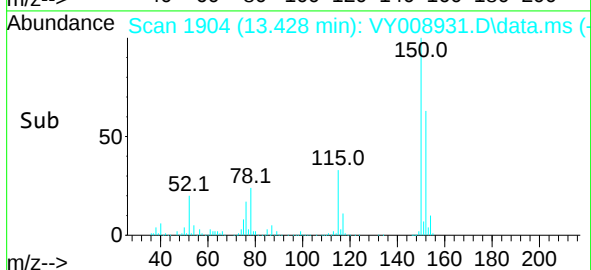
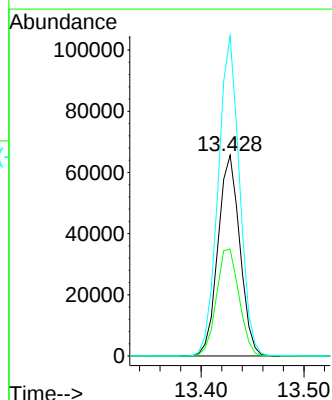
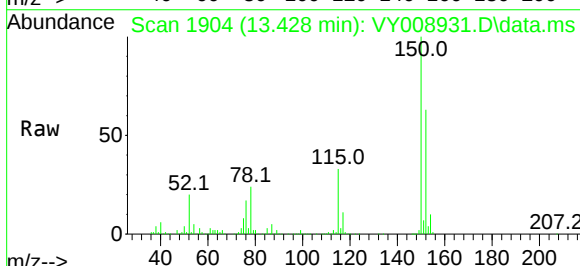
Tgt Ion:152 Resp: 96765

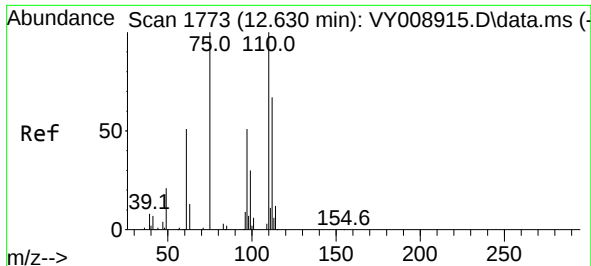
Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.7

150 155.7 0.0 347.6

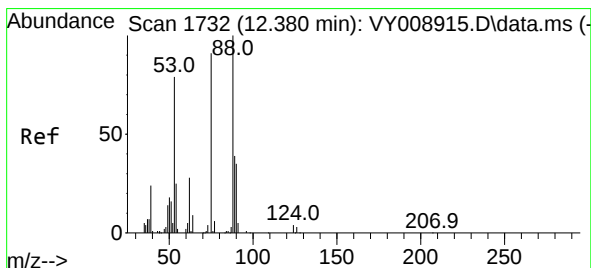
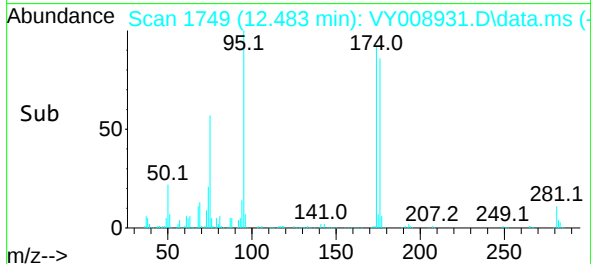
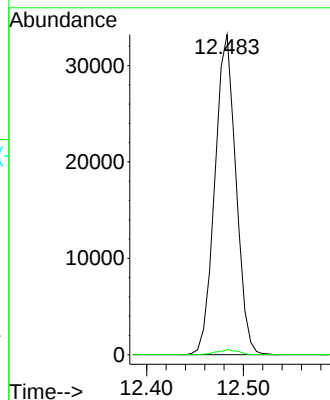
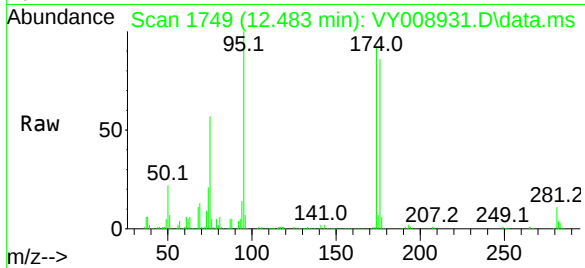




#76
1,2,3-Trichloropropane
Concen: 48.311 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY008931.D
Acq: 21 May 2022 02:49

Instrument :
MSVOA_Y
ClientSampleId :
P041-SS001-1218-01

Tgt Ion: 75 Resp: 50202
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.159 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008931.D
Acq: 21 May 2022 02:49

Tgt Ion: 75 Resp: 50202
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

