

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052122\
 Data File : VY008940.D
 Acq On : 21 May 2022 11:32
 Operator : KP/MD
 Sample : N2919-01
 Misc : 3.72g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P015-SS002-0006-01

Quant Time: May 21 21:28:10 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)

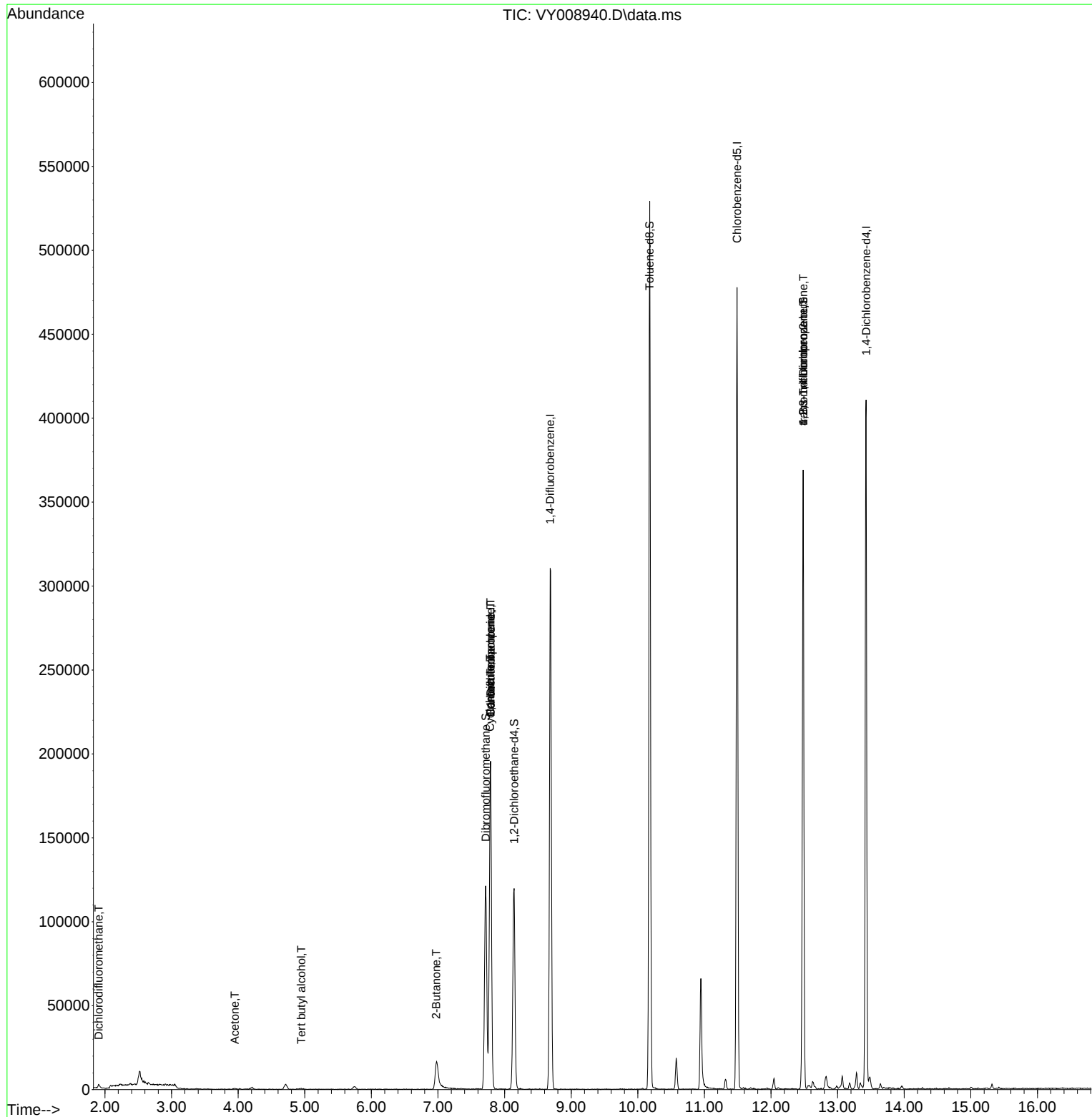
Internal Standards						
1) Pentafluorobenzene	7.789	168	148958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	263112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	246479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	100319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	89061	58.094	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.180%	
35) Dibromofluoromethane	7.716	113	83293	50.908	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.820%	
50) Toluene-d8	10.179	98	324698	53.794	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.580%	
62) 4-Bromofluorobenzene	12.483	95	94061	38.631	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 77.260%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	1426	1.047	ug/l	86
11) Tert butyl alcohol	4.948	59	536	3.447	ug/l #	77
16) Acetone	3.948	43	907	2.842	ug/l #	73
20) Methylene Chloride	4.704	84	2134	Below Cal	#	78
25) 2-Butanone	6.972	43	1187	2.083	ug/l #	54
31) Cyclohexane	7.783	56	3349	1.117	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	12545	4.505	ug/l #	51
38) Carbon Tetrachloride	7.789	117	14885	5.110	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	53597	49.751	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	53597	102.114	ug/l #	7

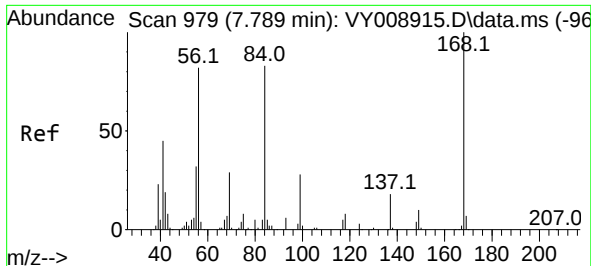
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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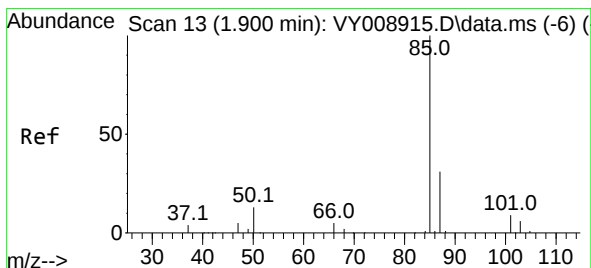
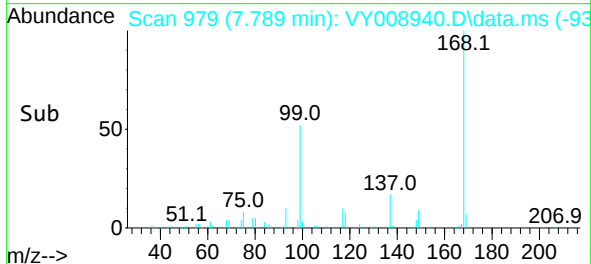
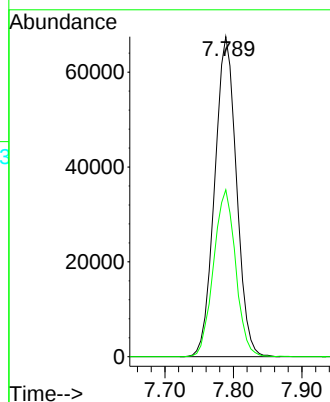
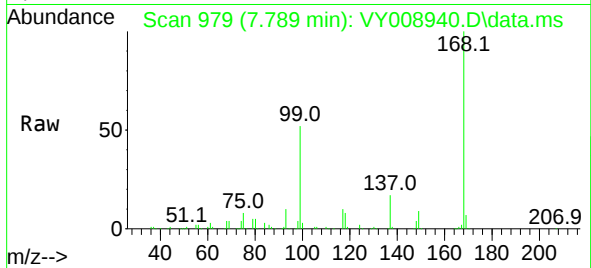




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008940.D
Acq: 21 May 2022 11:32

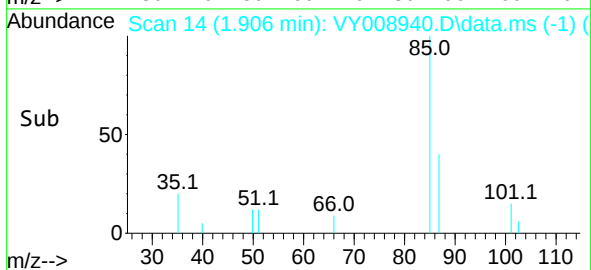
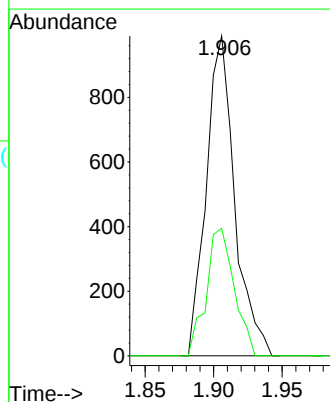
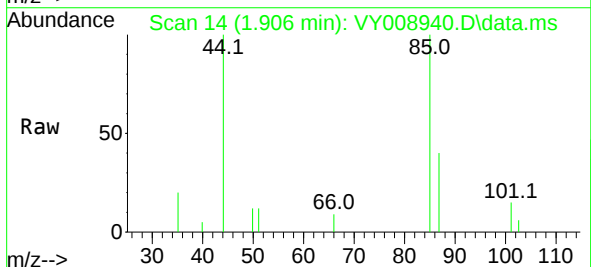
Instrument :
MSVOA_Y
ClientSampleId :
P015-SS002-0006-01

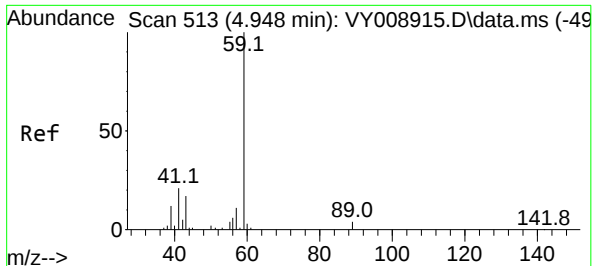
Tgt Ion:168 Resp: 148958
Ion Ratio Lower Upper
168 100
99 52.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 1.047 ug/l
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY008940.D
Acq: 21 May 2022 11:32

Tgt Ion: 85 Resp: 1426
Ion Ratio Lower Upper
85 100
87 39.9 16.1 48.2





#11

Tert butyl alcohol

Concen: 3.447 ug/l

RT: 4.948 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY008940.D

Acq: 21 May 2022 11:32

Instrument :

MSVOA_Y

ClientSampleId :

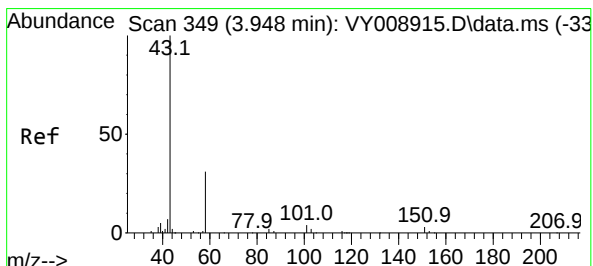
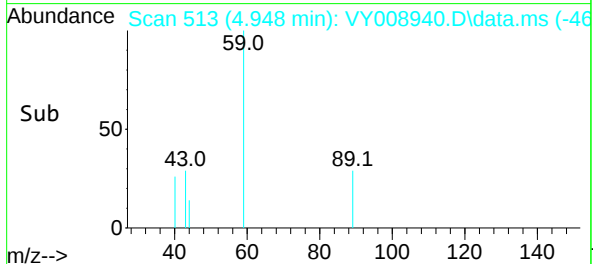
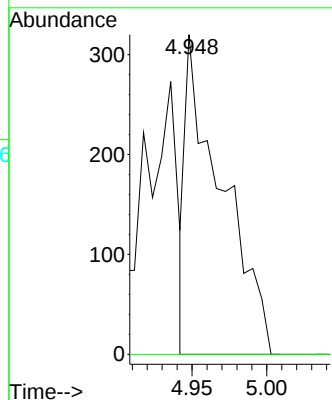
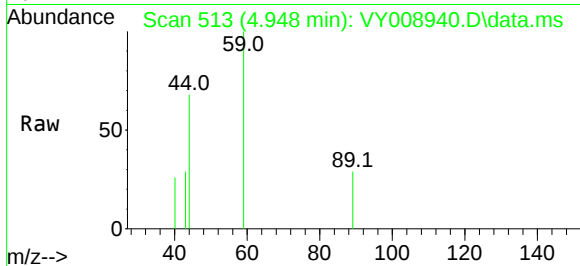
P015-SS002-0006-01

Tgt Ion: 59 Resp: 536

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 2.842 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY008940.D

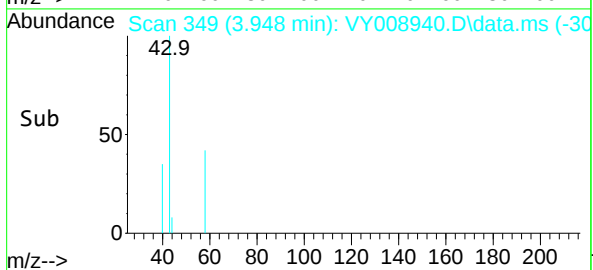
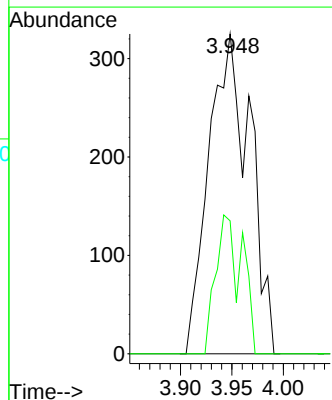
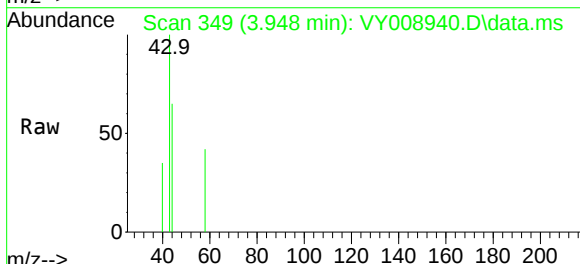
Acq: 21 May 2022 11:32

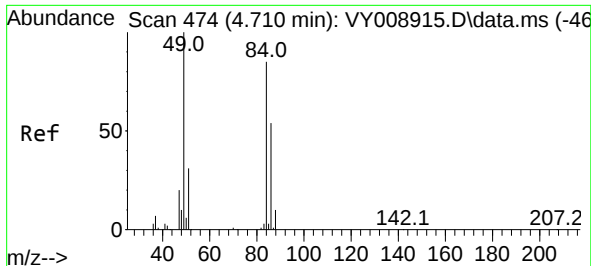
Tgt Ion: 43 Resp: 907

Ion Ratio Lower Upper

43 100

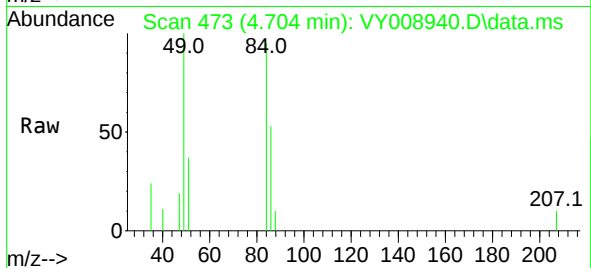
58 41.5 22.0 33.0#





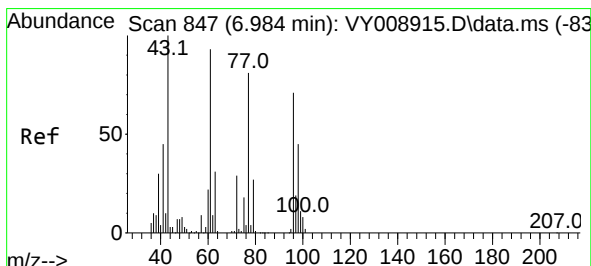
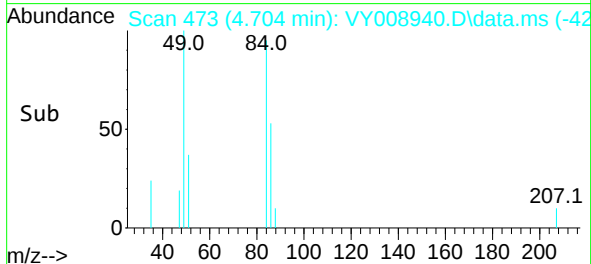
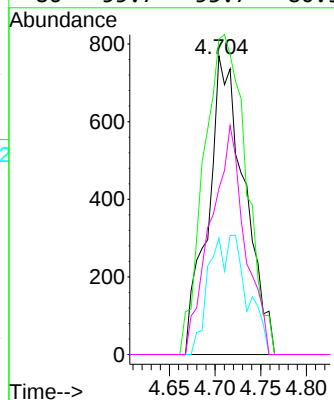
#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY008940.D
Acq: 21 May 2022 11:32

Instrument :
MSVOA_Y
ClientSampleId :
P015-SS002-0006-01



Tgt Ion: 84 Resp: 2134

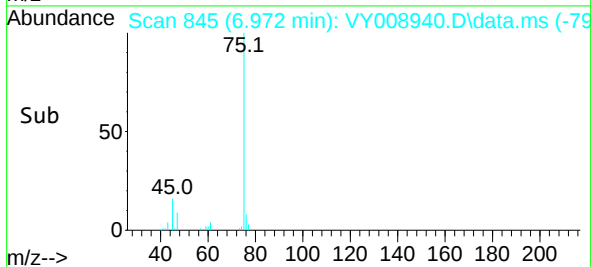
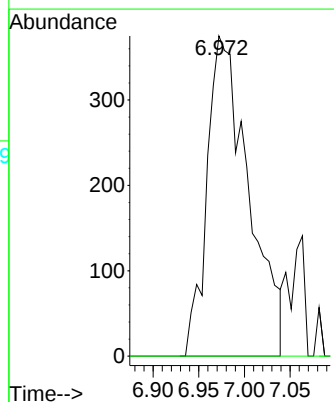
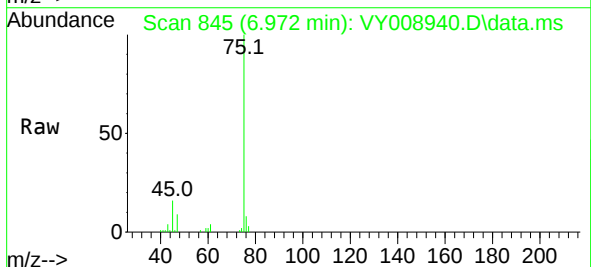
Ion	Ratio	Lower	Upper
84	100		
49	105.7	114.4	171.6#
51	39.0	35.3	52.9
86	55.7	53.7	80.5

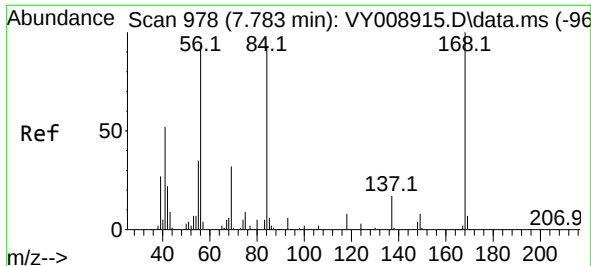


#25
2-Butanone
Concen: 2.083 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY008940.D
Acq: 21 May 2022 11:32

Tgt Ion: 43 Resp: 1187

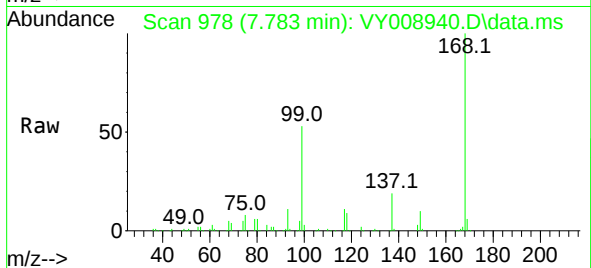
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#



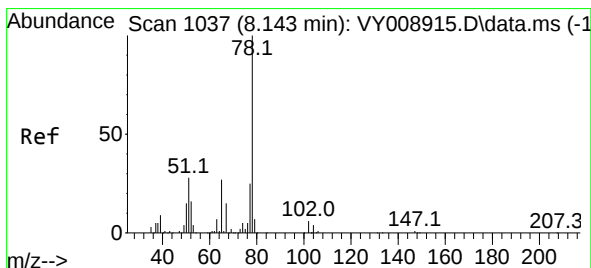
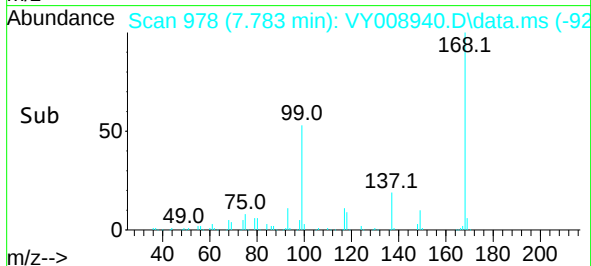
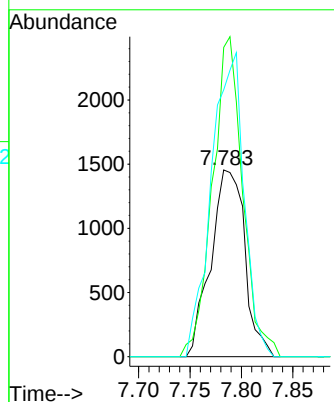


#31
Cyclohexane
Concen: 1.117 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008940.D
Acq: 21 May 2022 11:32

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P015-SS002-0006-01

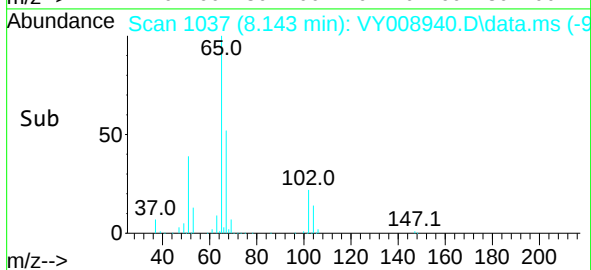
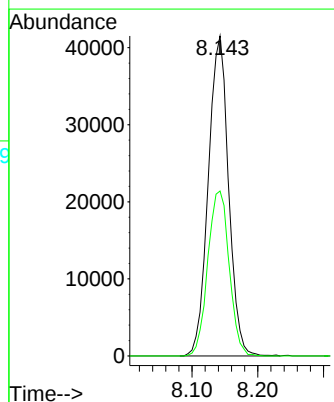
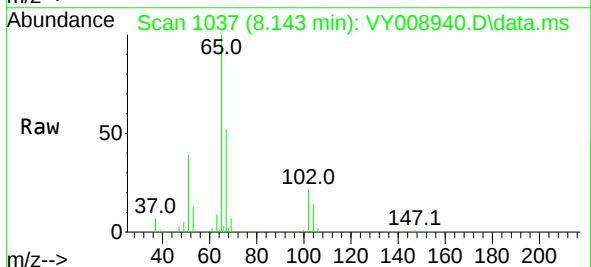


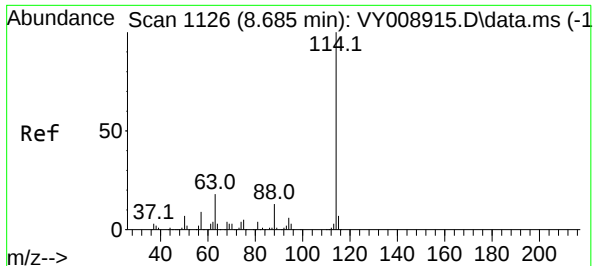
Tgt Ion: 56 Resp: 3349
Ion Ratio Lower Upper
56 100
69 165.6 26.7 40.1#
84 142.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 58.094 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY008940.D
Acq: 21 May 2022 11:32

Tgt Ion: 65 Resp: 89061
Ion Ratio Lower Upper
65 100
67 54.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008940.D

Acq: 21 May 2022 11:32

Instrument :

MSVOA_Y

ClientSampleId :

P015-SS002-0006-01

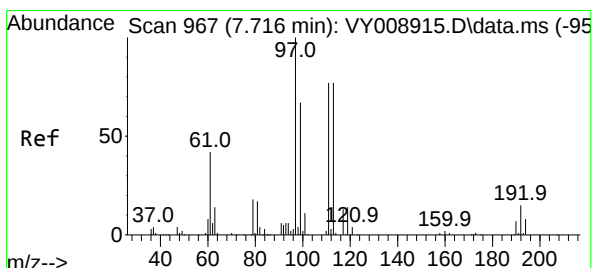
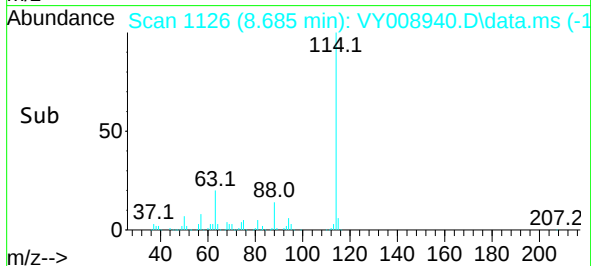
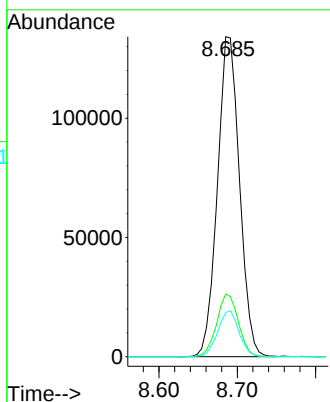
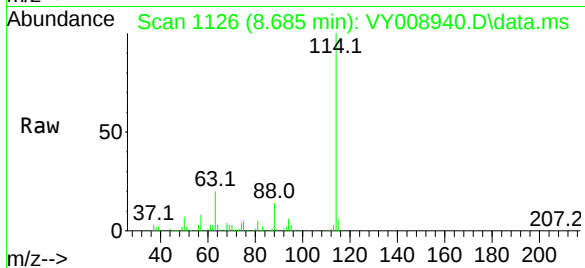
Tgt Ion:114 Resp: 263112

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 13.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.908 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008940.D

Acq: 21 May 2022 11:32

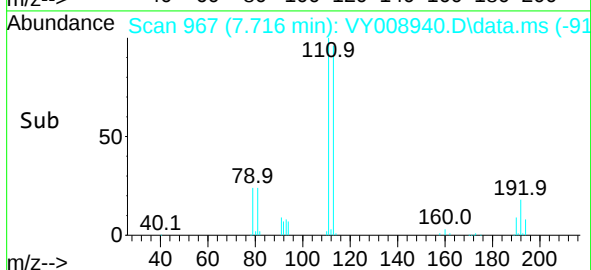
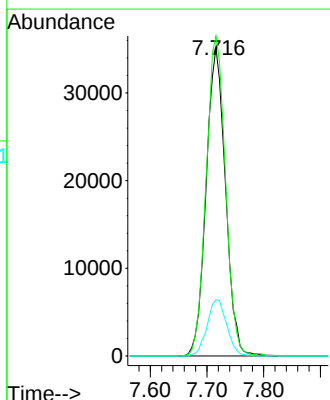
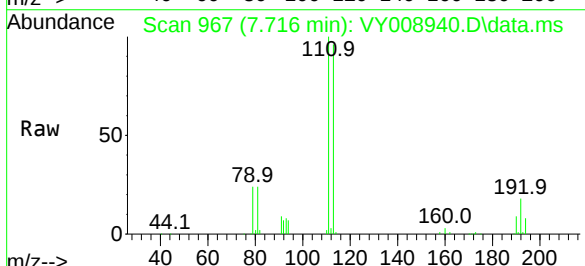
Tgt Ion:113 Resp: 83293

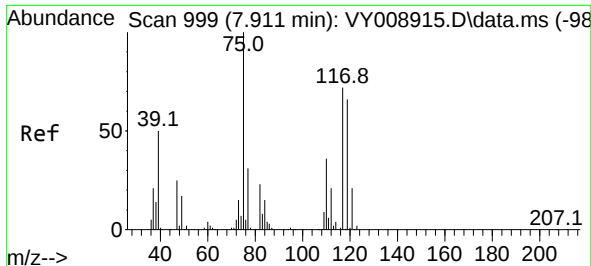
Ion Ratio Lower Upper

113 100

111 103.6 82.6 124.0

192 18.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.505 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY008940.D

Acq: 21 May 2022 11:32

Instrument :

MSVOA_Y

ClientSampleId :

P015-SS002-0006-01

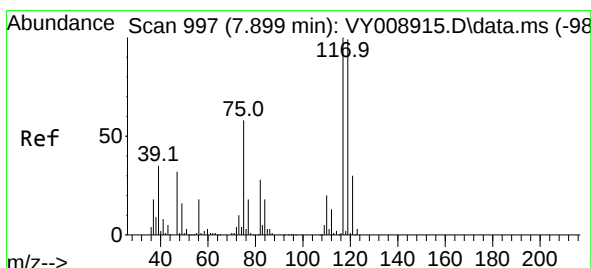
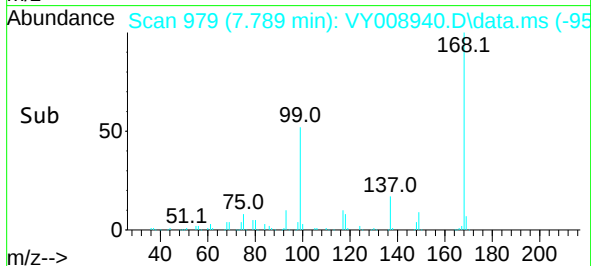
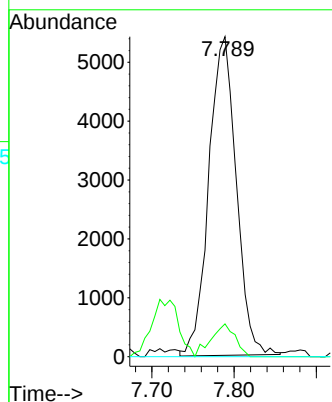
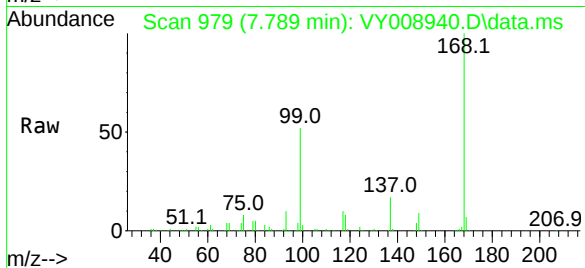
Tgt Ion: 75 Resp: 12545

Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.110 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008940.D

Acq: 21 May 2022 11:32

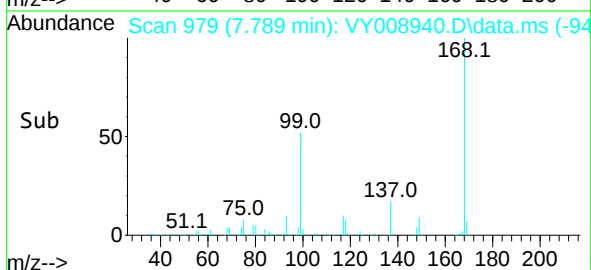
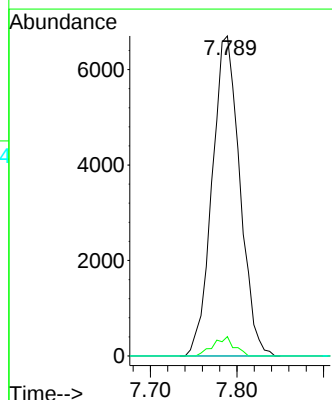
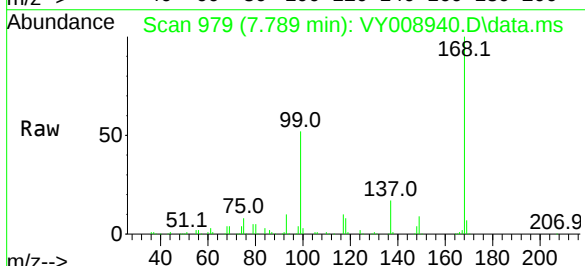
Tgt Ion: 117 Resp: 14885

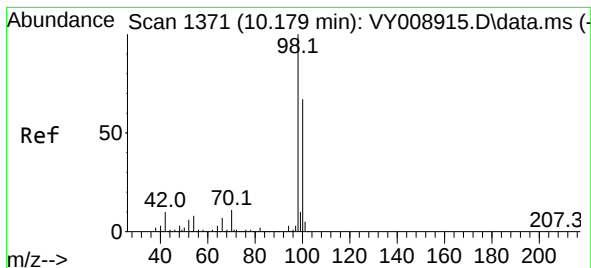
Ion Ratio Lower Upper

117 100

119 6.1 77.9 116.9#

121 0.0 24.8 37.2#

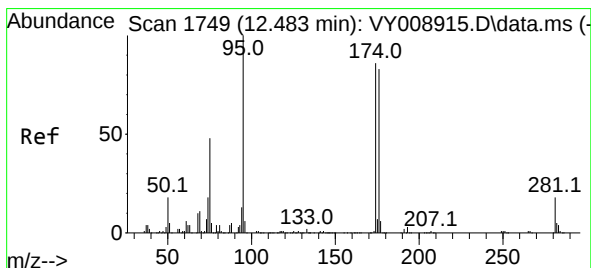
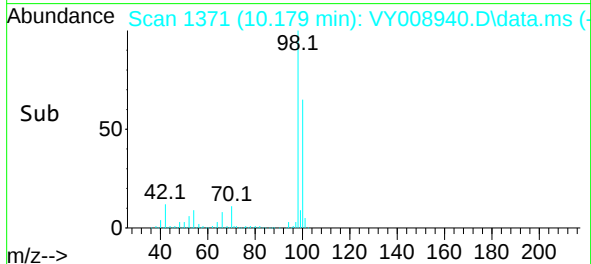
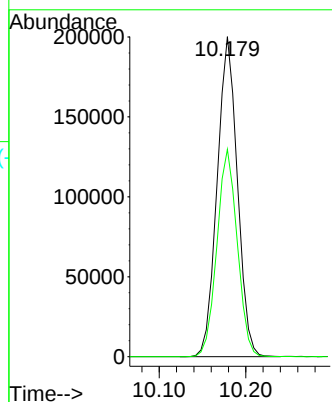
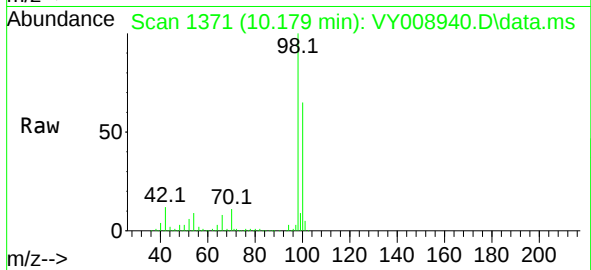




#50
Toluene-d8
Concen: 53.794 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008940.D
Acq: 21 May 2022 11:32

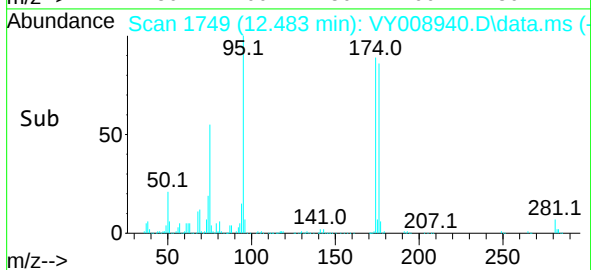
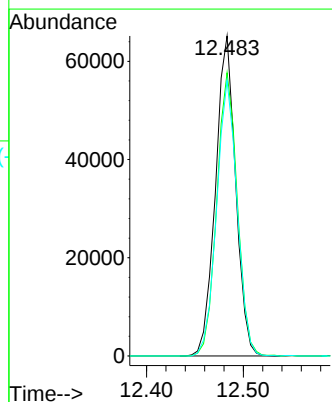
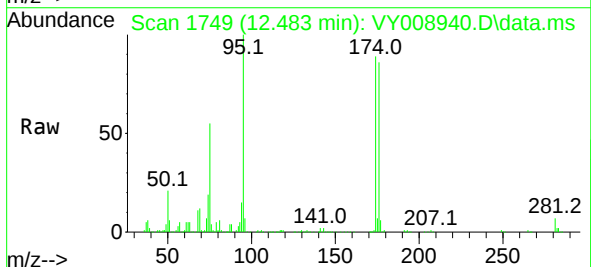
Instrument :
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P015-SS002-0006-01

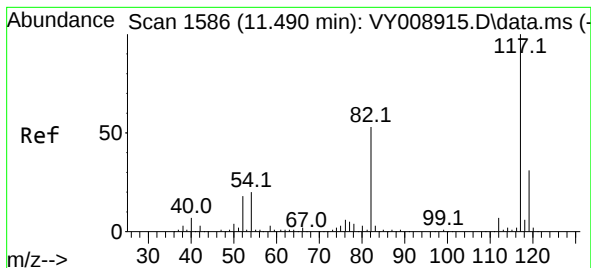
Tgt Ion: 98 Resp: 324698
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 38.631 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008940.D
Acq: 21 May 2022 11:32

Tgt Ion: 95 Resp: 94061
Ion Ratio Lower Upper
95 100
174 90.1 0.0 177.0
176 87.4 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: VY008940.D

Acq: 21 May 2022 11:32

Instrument :

MSVOA_Y

ClientSampleId :

P015-SS002-0006-01

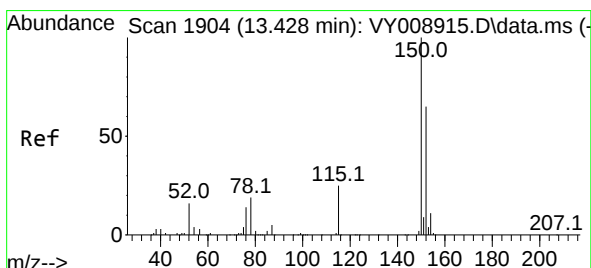
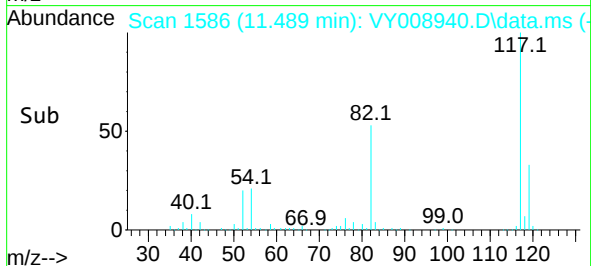
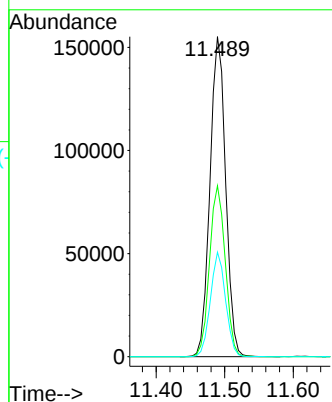
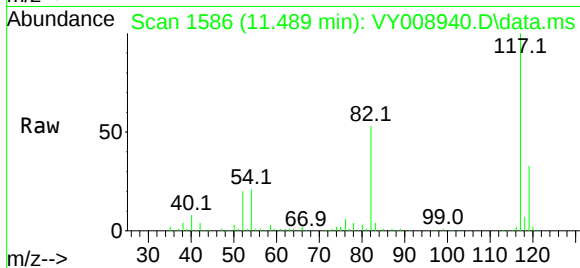
Tgt Ion:117 Resp: 246479

Ion Ratio Lower Upper

117 100

82 53.4 43.0 64.4

119 32.7 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: VY008940.D

Acq: 21 May 2022 11:32

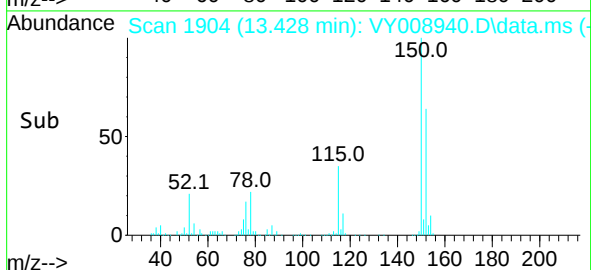
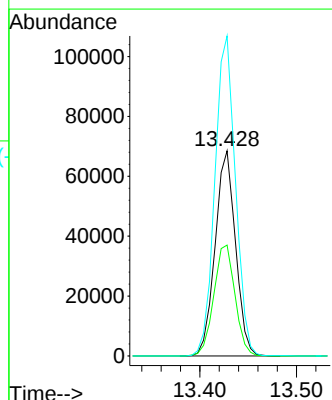
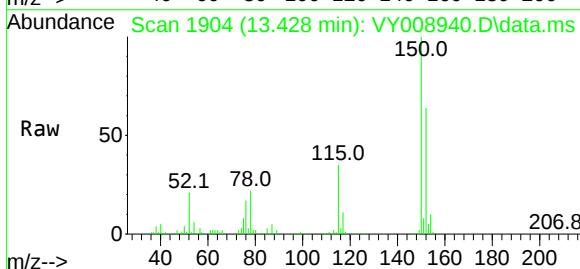
Tgt Ion:152 Resp: 100319

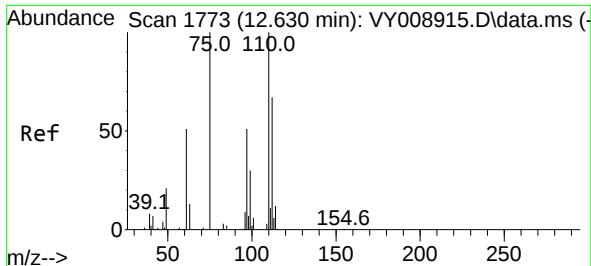
Ion Ratio Lower Upper

152 100

115 56.3 28.2 84.7

150 157.3 0.0 347.6

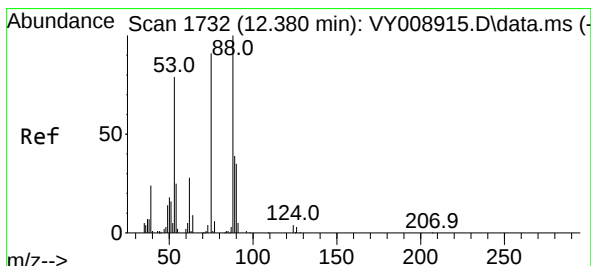
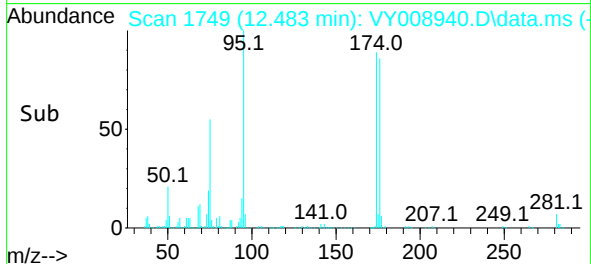
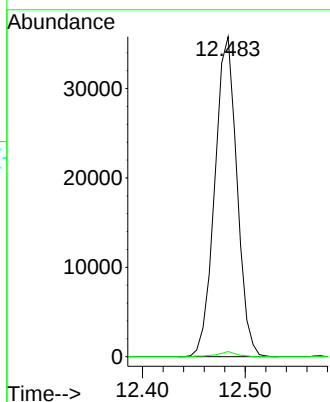
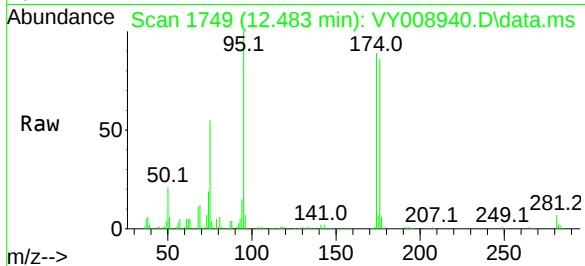




#76
1,2,3-Trichloropropane
Concen: 49.751 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY008940.D
Acq: 21 May 2022 11:32

Instrument :
MSVOA_Y
ClientSampleId :
P015-SS002-0006-01

Tgt Ion: 75 Resp: 53597
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.114 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008940.D
Acq: 21 May 2022 11:32

Tgt Ion: 75 Resp: 53597
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

