

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010323\
 Data File : VY012054.D
 Acq On : 03 Jan 2023 18:05
 Operator : KP/MD
 Sample : 01001-04RE
 Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-C3

Quant Time: Jan 04 01:20:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

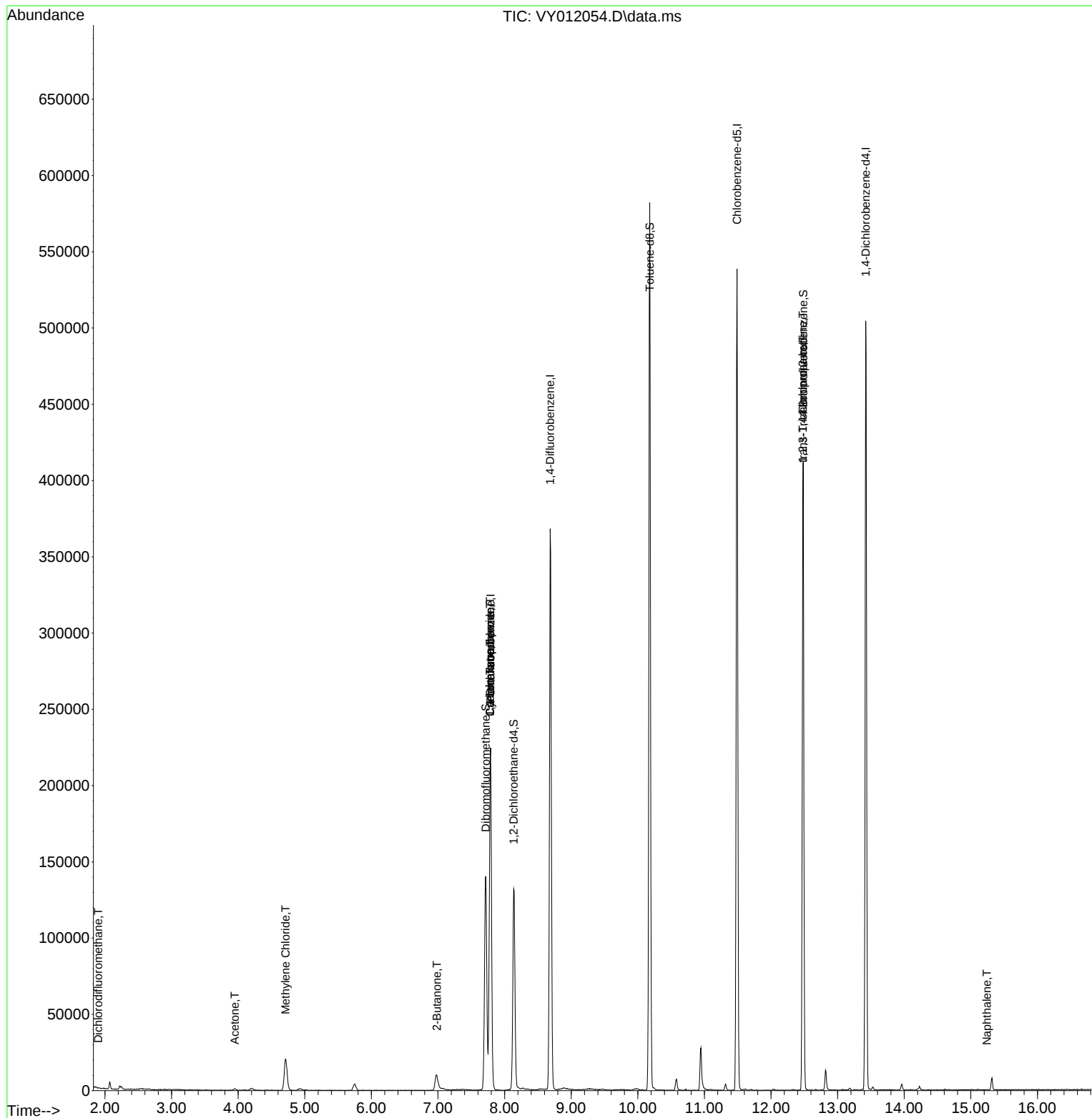
Internal Standards						
1) Pentafluorobenzene	7.789	168	176638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	314823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	298858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	135029	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	107574	60.449	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.900%	
35) Dibromofluoromethane	7.716	113	96460	50.894	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.780%	
50) Toluene-d8	10.179	98	381726	49.641	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.280%	
62) 4-Bromofluorobenzene	12.483	95	121704	47.058	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.120%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	78	2.520	ug/l #	41
11) Tert butyl alcohol	4.936	59	1543	Below Cal	#	74
16) Acetone	3.948	43	1939	8.453	ug/l	93
20) Methylene Chloride	4.710	84	16595	2.363	ug/l	96
25) 2-Butanone	6.984	43	1336	2.254	ug/l	91
31) Cyclohexane	7.783	56	3306	1.104	ug/l #	12
36) 1,1-Dichloropropene	7.783	75	12481	4.105	ug/l #	50
38) Carbon Tetrachloride	7.783	117	17683	5.036	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	64625	38.462	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64625	105.329	ug/l #	13
95) Naphthalene	15.239	128	200	2.816	ug/l #	69

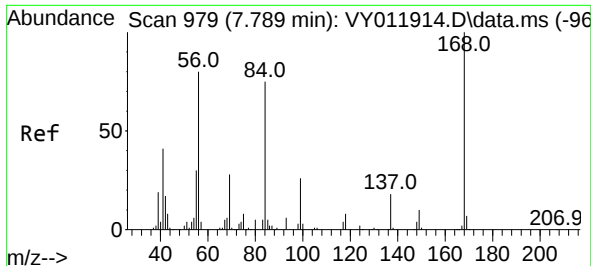
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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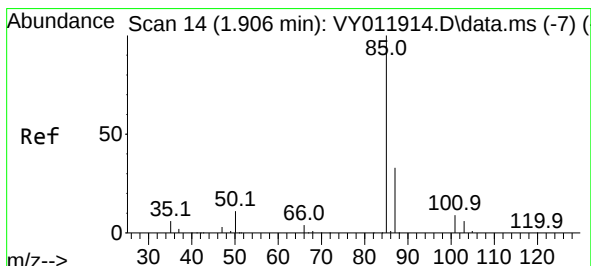
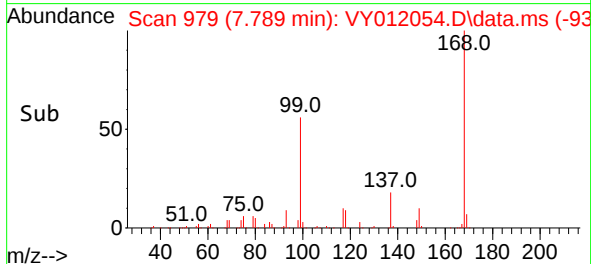
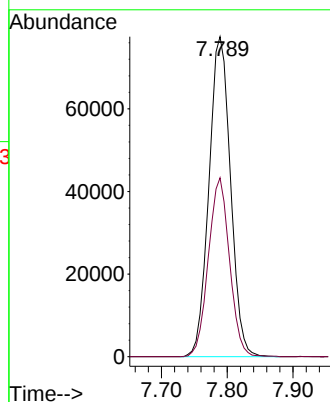
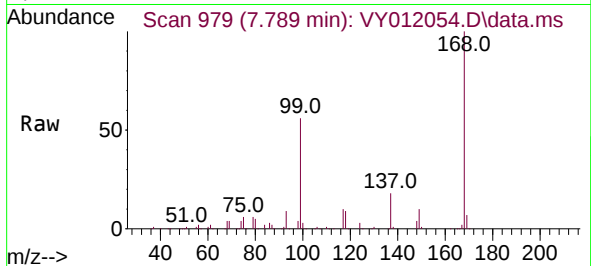




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012054.D
Acq: 03 Jan 2023 18:05

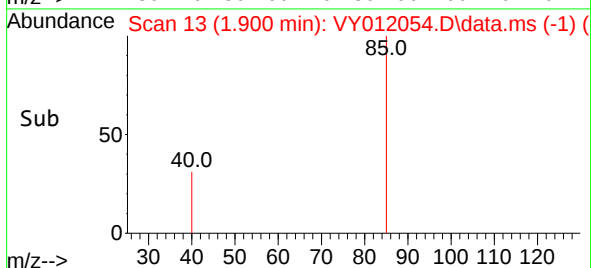
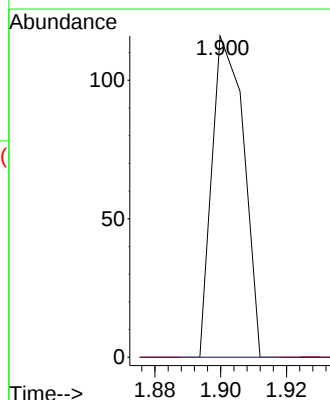
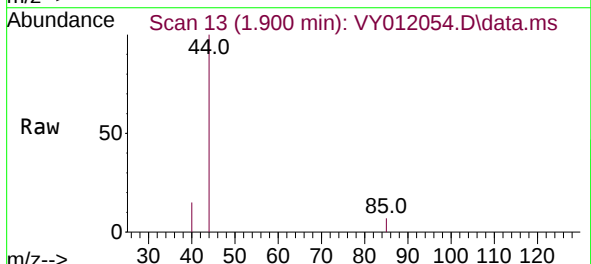
Instrument :
MSVOA_Y
ClientSampleId :
TP-C3

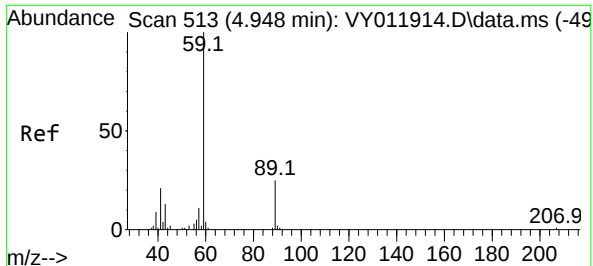
Tgt Ion:168 Resp: 176638
Ion Ratio Lower Upper
168 100
99 55.9 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.520 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012054.D
Acq: 03 Jan 2023 18:05

Tgt Ion: 85 Resp: 78
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 511

Delta R.T. -0.012 min

Lab File: VY012054.D

Acq: 03 Jan 2023 18:05

Instrument :

MSVOA_Y

ClientSampleId :

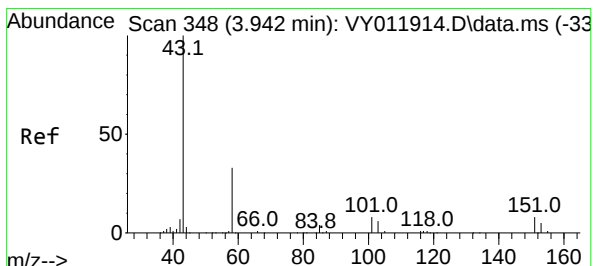
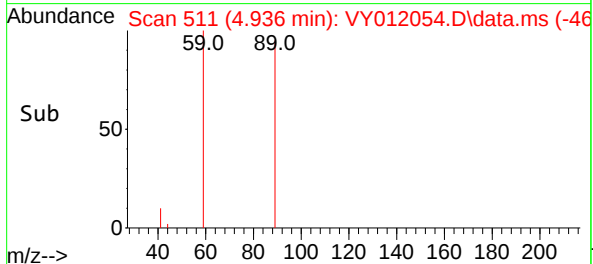
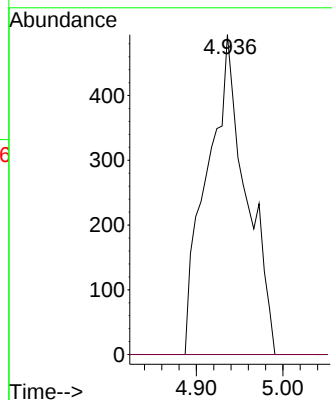
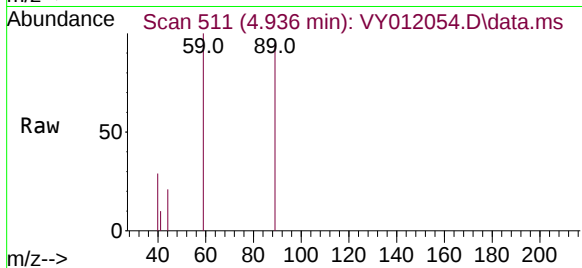
TP-C3

Tgt Ion: 59 Resp: 1543

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 8.453 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012054.D

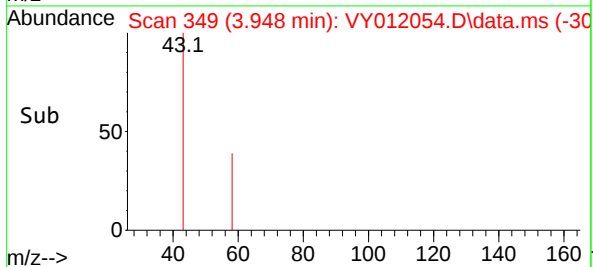
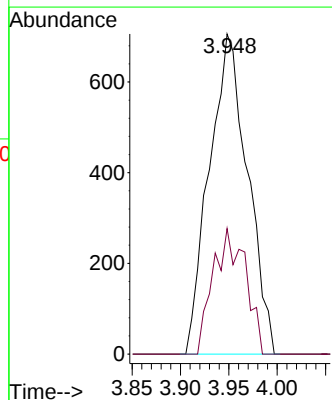
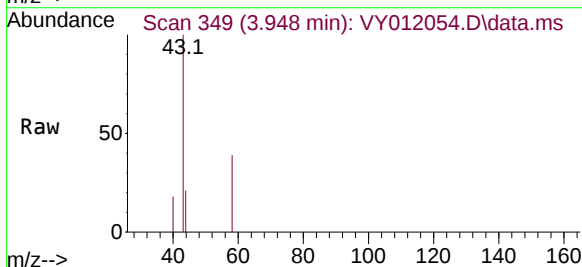
Acq: 03 Jan 2023 18:05

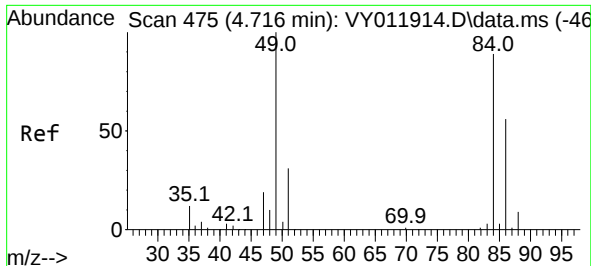
Tgt Ion: 43 Resp: 1939

Ion Ratio Lower Upper

43 100

58 39.2 27.9 41.9



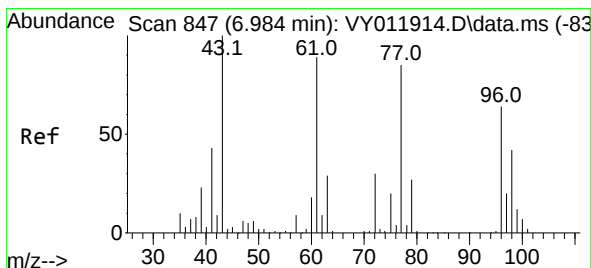
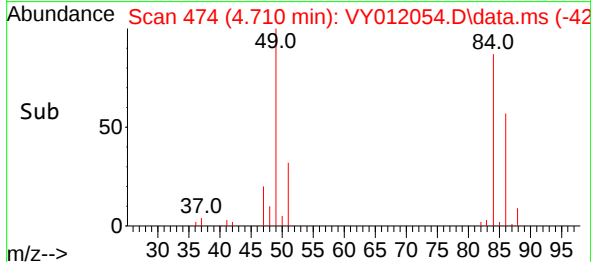
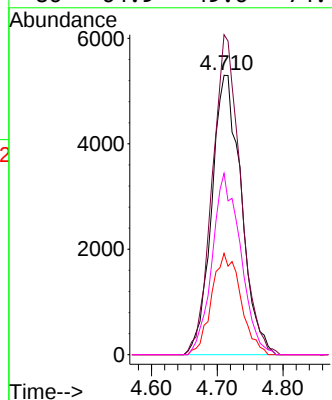
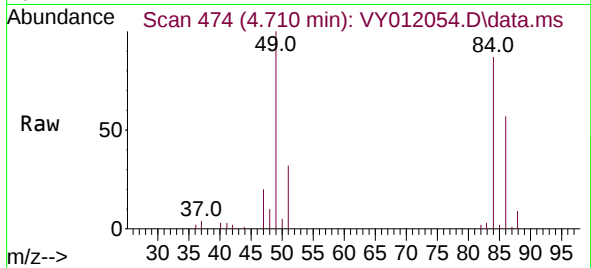


#20
Methylene Chloride
Concen: 2.363 ug/l
RT: 4.710 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY012054.D
Acq: 03 Jan 2023 18:05

Instrument :
MSVOA_Y
ClientSampleId :
TP-C3

Tgt Ion: 84 Resp: 16595

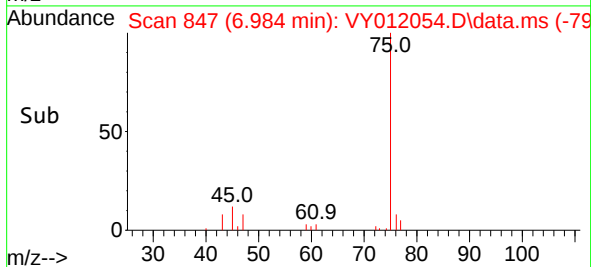
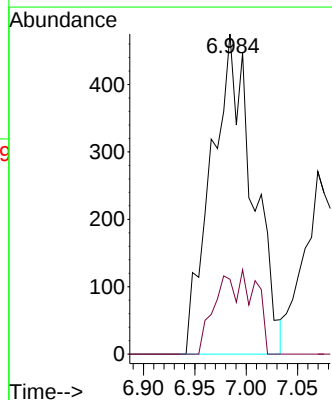
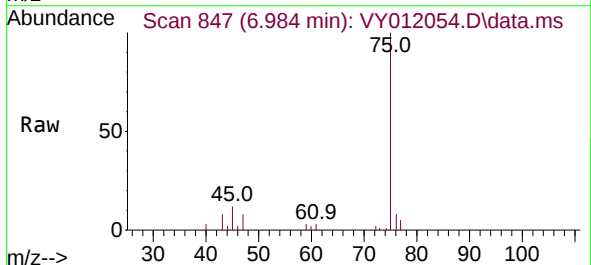
Ion	Ratio	Lower	Upper
84	100		
49	114.5	95.4	143.2
51	36.2	29.9	44.9
86	64.9	49.6	74.4

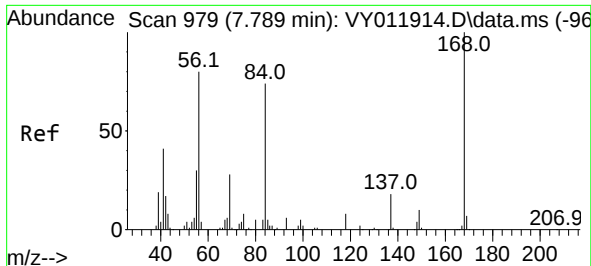


#25
2-Butanone
Concen: 2.254 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY012054.D
Acq: 03 Jan 2023 18:05

Tgt Ion: 43 Resp: 1336

Ion	Ratio	Lower	Upper
43	100		
72	23.4	22.6	34.0

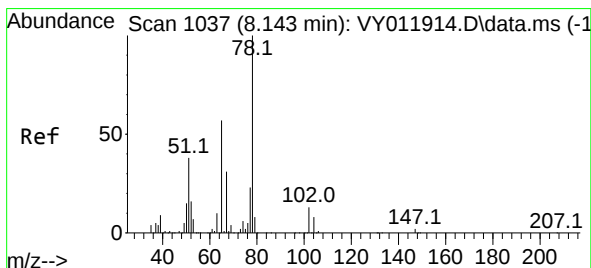
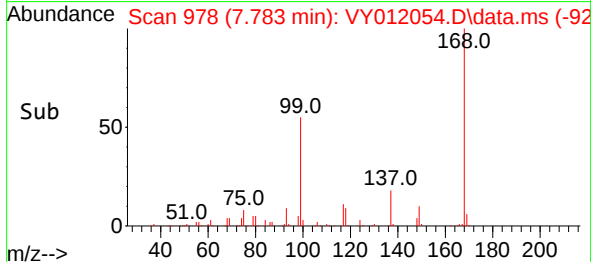
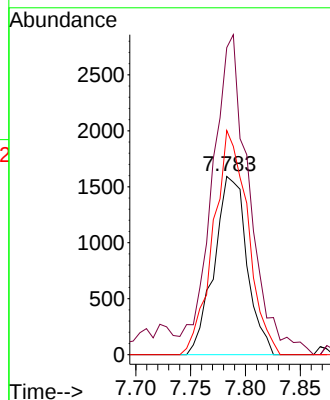
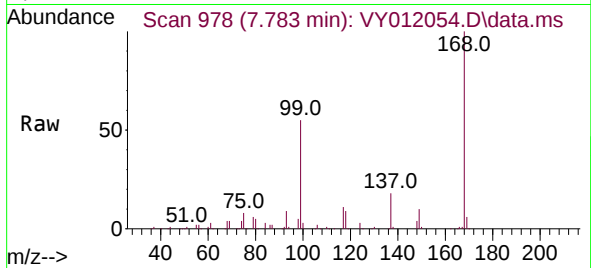




#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012054.D
Acq: 03 Jan 2023 18:05

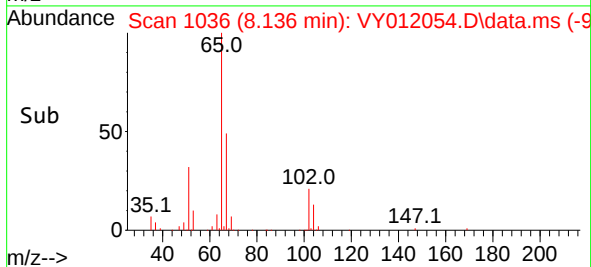
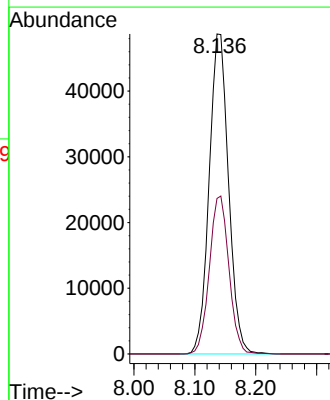
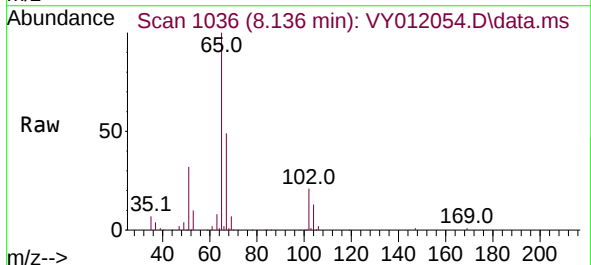
Instrument :
MSVOA_Y
ClientSampleId :
TP-C3

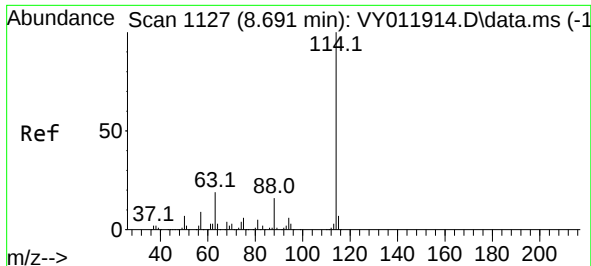
Tgt Ion: 56 Resp: 3306
Ion Ratio Lower Upper
56 100
69 164.2 29.2 43.8#
84 125.7 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 60.449 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY012054.D
Acq: 03 Jan 2023 18:05

Tgt Ion: 65 Resp: 107574
Ion Ratio Lower Upper
65 100
67 49.8 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012054.D

Acq: 03 Jan 2023 18:05

Instrument :

MSVOA_Y

ClientSampleId :

TP-C3

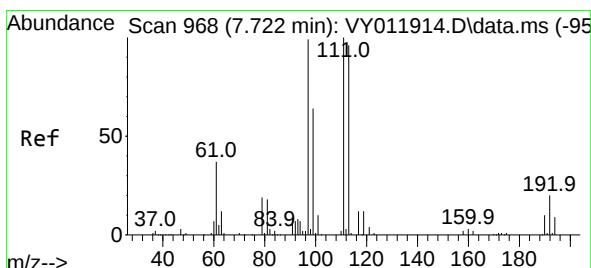
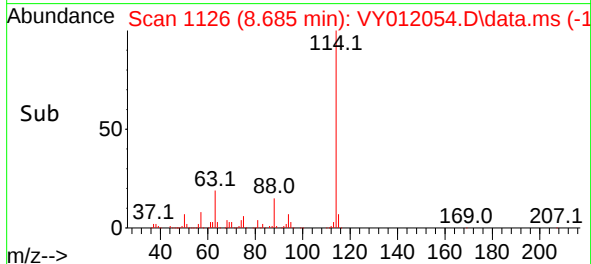
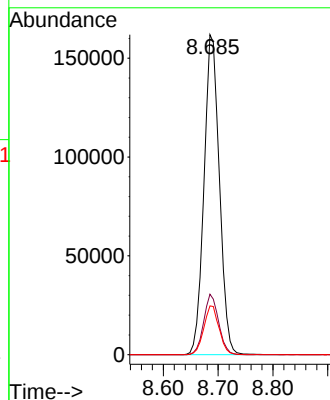
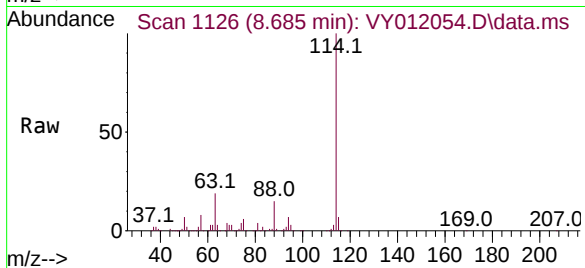
Tgt Ion:114 Resp: 314823

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 15.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 50.894 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012054.D

Acq: 03 Jan 2023 18:05

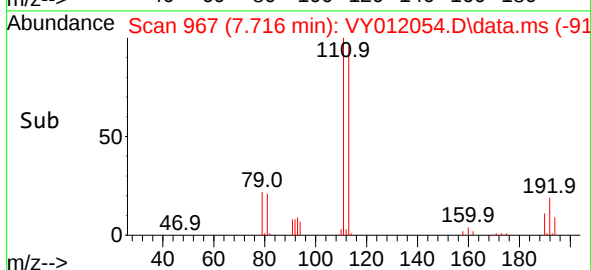
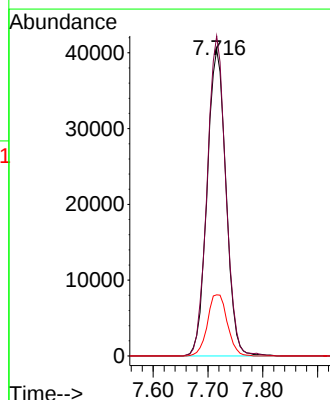
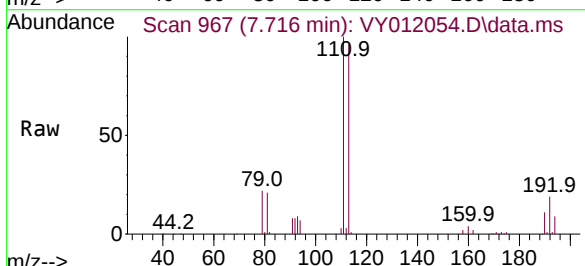
Tgt Ion:113 Resp: 96460

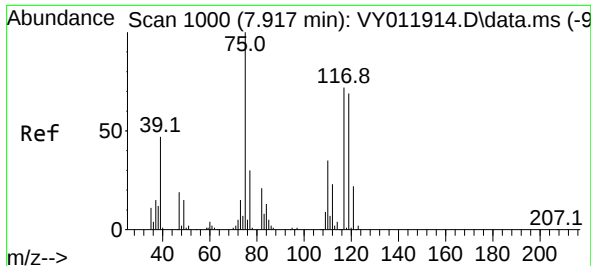
Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.4

192 21.0 16.0 24.0

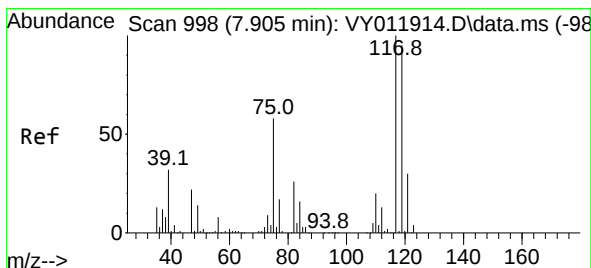
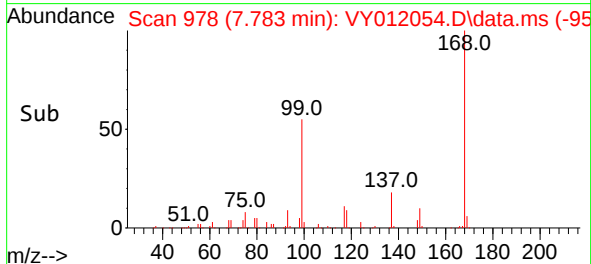
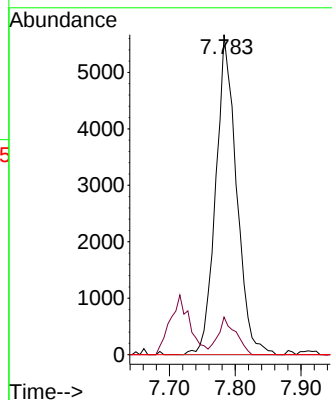
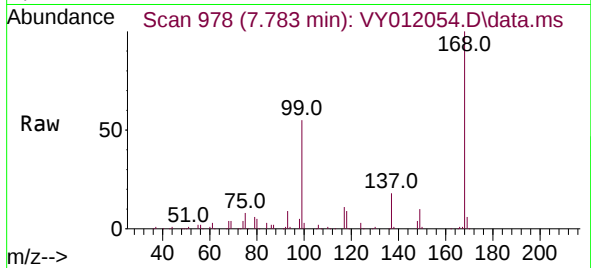




#36
1,1-Dichloropropene
Concen: 4.105 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY012054.D
Acq: 03 Jan 2023 18:05

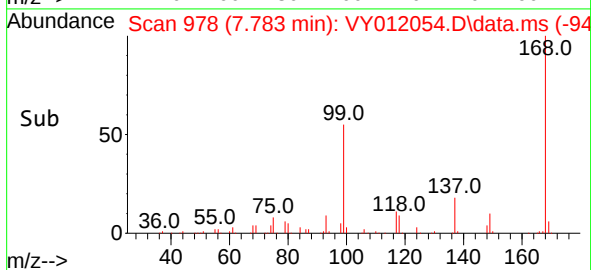
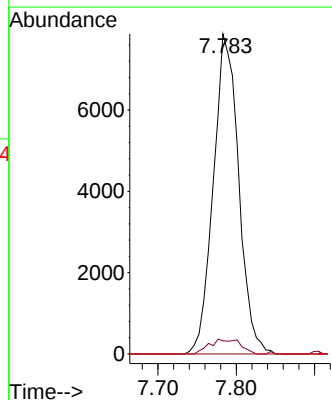
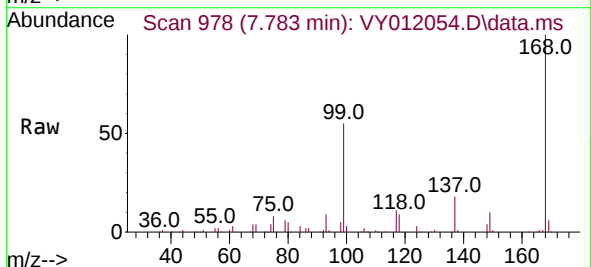
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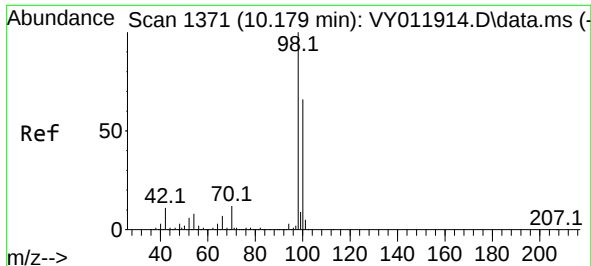
Tgt Ion: 75 Resp: 12481
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.1#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.036 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY012054.D
Acq: 03 Jan 2023 18:05

Tgt Ion: 117 Resp: 17683
Ion Ratio Lower Upper
117 100
119 4.1 73.8 110.8#
121 0.0 25.2 37.8#

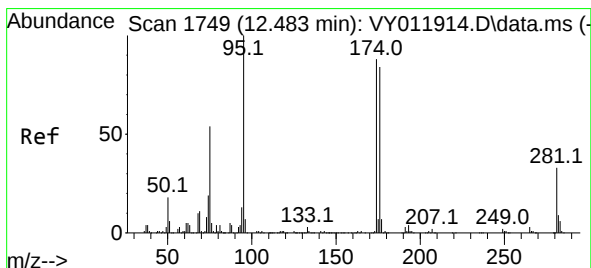
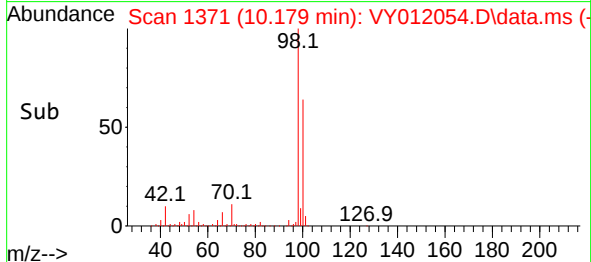
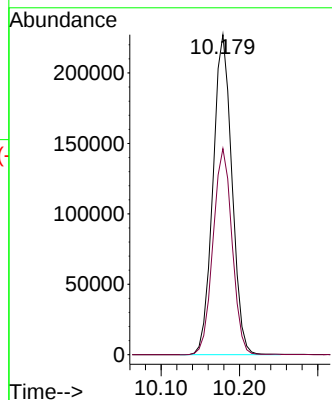
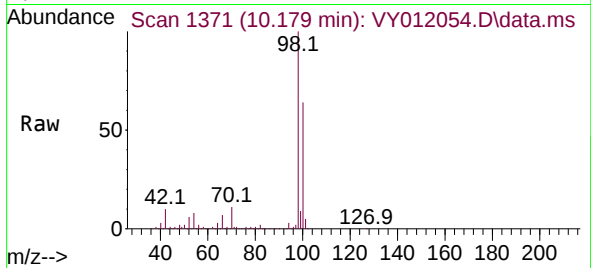




#50
Toluene-d8
Concen: 49.641 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012054.D
Acq: 03 Jan 2023 18:05

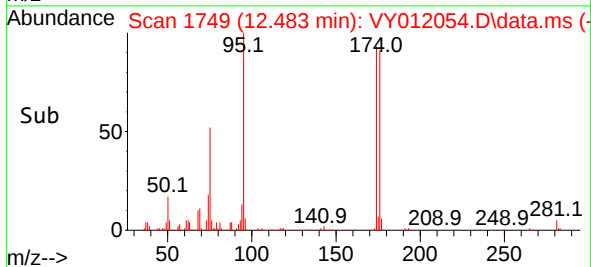
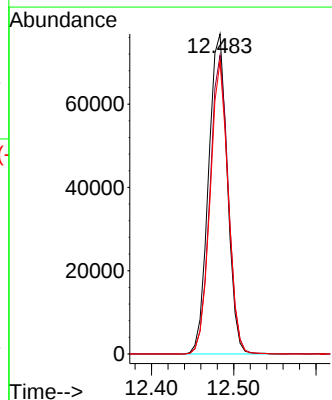
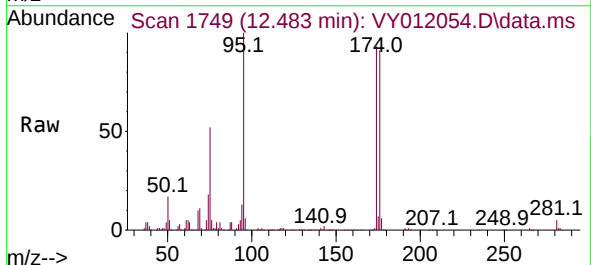
Instrument :
MSVOA_Y
ClientSampleId :
TP-C3

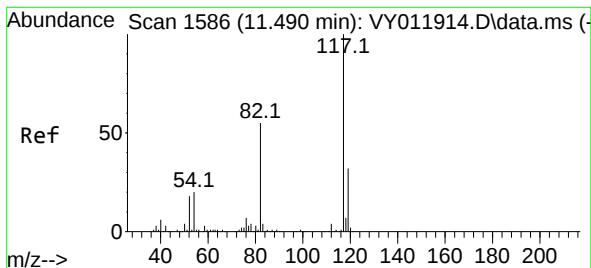
Tgt Ion: 98 Resp: 381726
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 47.058 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012054.D
Acq: 03 Jan 2023 18:05

Tgt Ion: 95 Resp: 121704
Ion Ratio Lower Upper
95 100
174 91.1 0.0 172.0
176 87.8 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012054.D

Acq: 03 Jan 2023 18:05

Instrument :

MSVOA_Y

ClientSampleId :

TP-C3

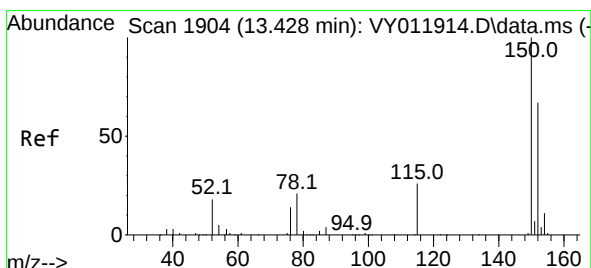
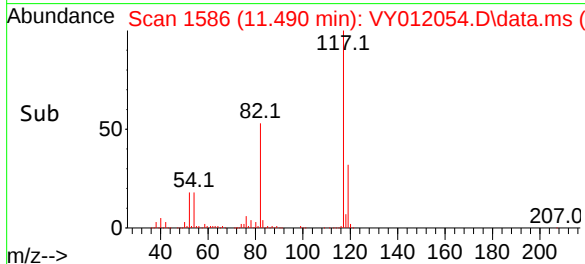
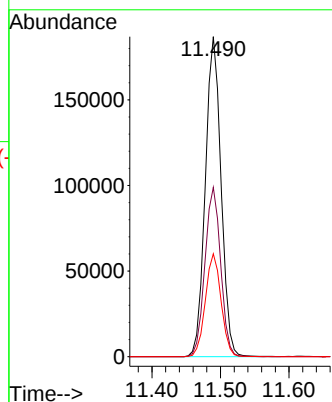
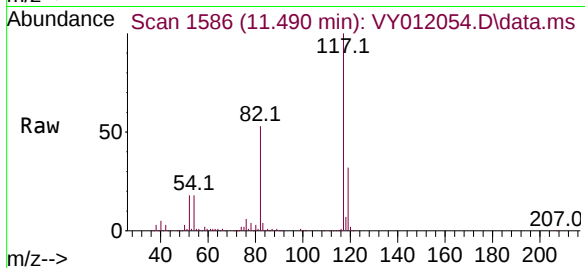
Tgt Ion:117 Resp: 298858

Ion Ratio Lower Upper

117 100

82 52.9 44.8 67.2

119 32.1 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY012054.D

Acq: 03 Jan 2023 18:05

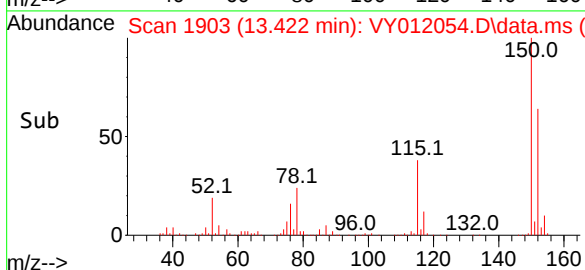
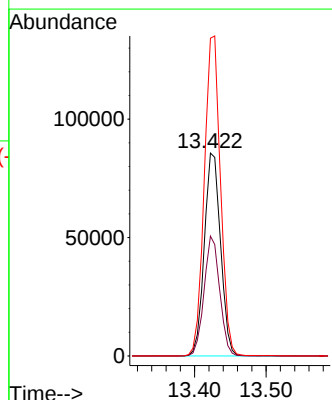
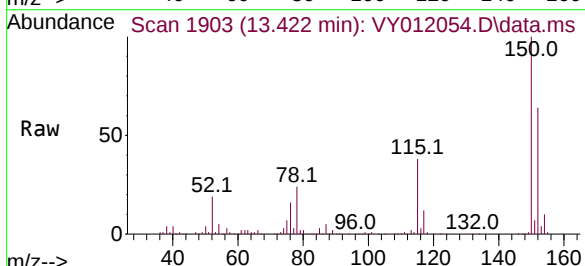
Tgt Ion:152 Resp: 135029

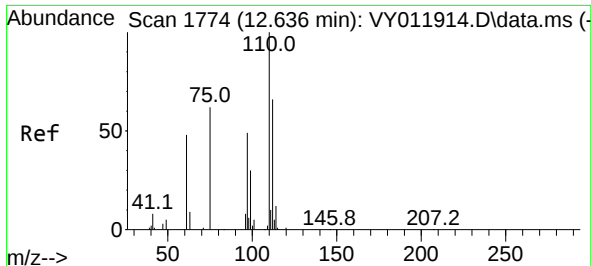
Ion Ratio Lower Upper

152 100

115 56.8 29.1 87.3

150 157.5 0.0 342.6

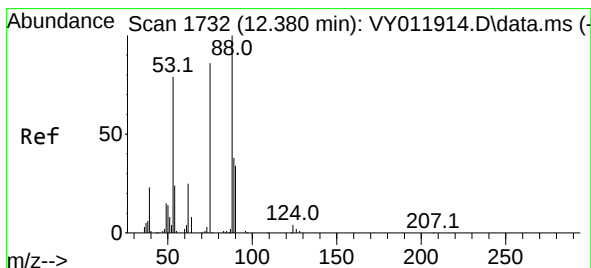
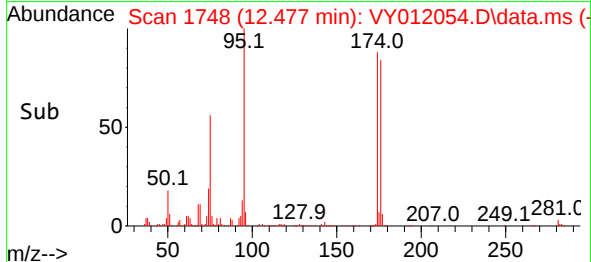
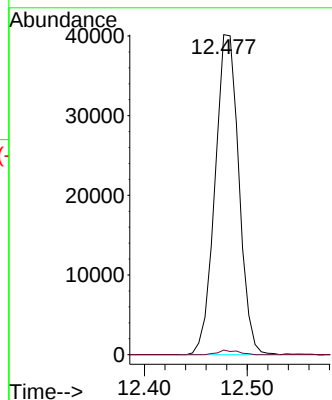
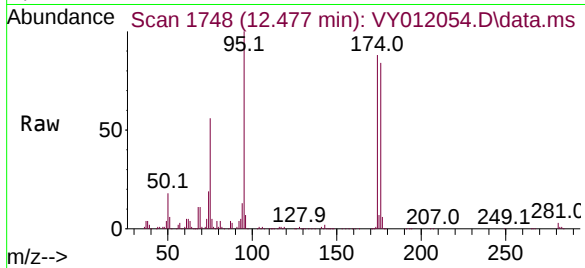




#76
1,2,3-Trichloropropane
Concen: 38.462 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY012054.D
Acq: 03 Jan 2023 18:05

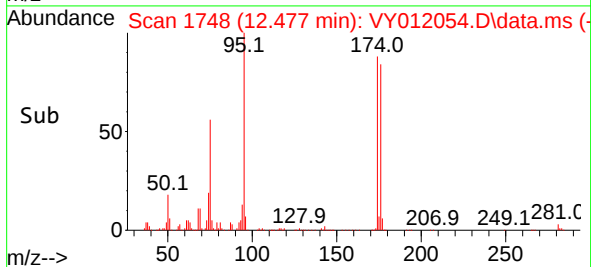
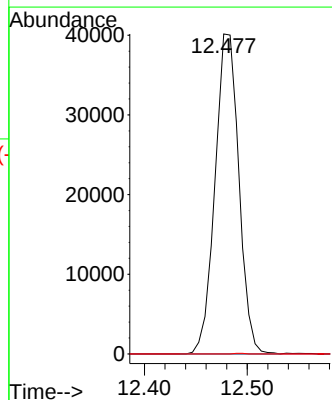
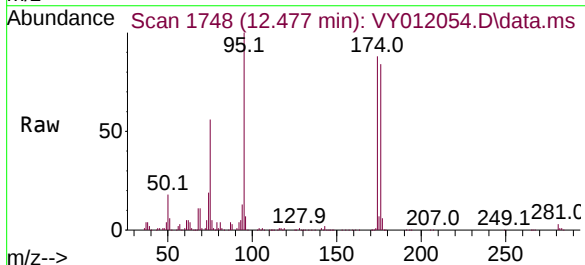
Instrument :
MSVOA_Y
ClientSampleId :
TP-C3

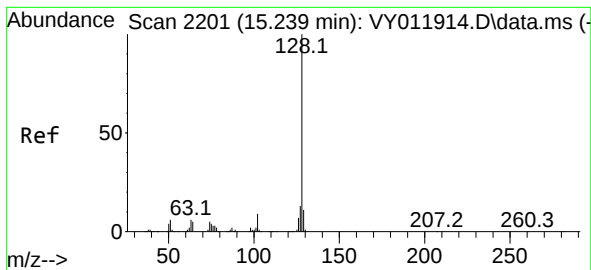
Tgt Ion: 75 Resp: 64625
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.329 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY012054.D
Acq: 03 Jan 2023 18:05

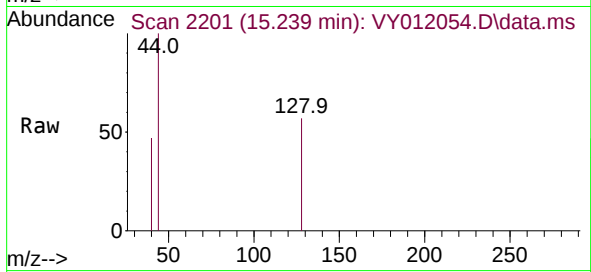
Tgt Ion: 75 Resp: 64625
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 2.816 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY012054.D
Acq: 03 Jan 2023 18:05

Instrument :
MSVOA_Y
ClientSampleId :
TP-C3



Tgt Ion:128 Resp: 200
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

