

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010423\
 Data File : VY012070.D
 Acq On : 04 Jan 2023 15:36
 Operator : KP/MD
 Sample : 01029-01
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-205

Quant Time: Jan 05 00:42:17 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)

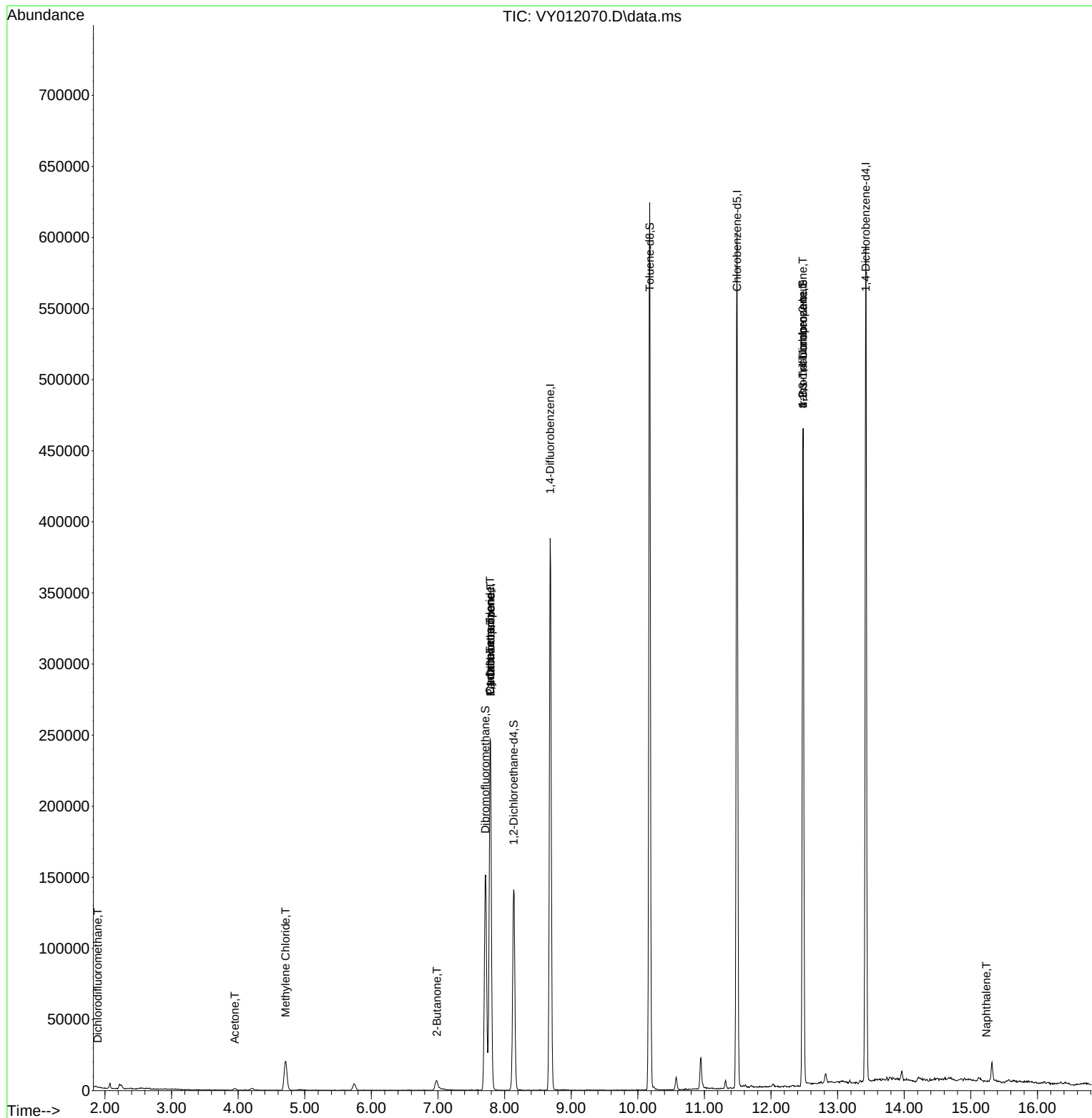
Internal Standards						
1) Pentafluorobenzene	7.789	168	196912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	341940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	330538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	117882	59.421	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.840%	
35) Dibromofluoromethane	7.710	113	106868	51.914	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.820%	
50) Toluene-d8	10.179	98	414315	49.606	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.220%	
62) 4-Bromofluorobenzene	12.477	95	141884	50.511	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.020%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.894	85	96	2.525	ug/l #	41
11) Tert butyl alcohol	4.948	59	924	Below Cal	#	74
16) Acetone	3.948	43	2284	8.655	ug/l	96
20) Methylene Chloride	4.710	84	17142	1.687	ug/l	89
25) 2-Butanone	6.984	43	1371	2.075	ug/l #	85
31) Cyclohexane	7.783	56	3666	1.098	ug/l #	8
36) 1,1-Dichloropropene	7.789	75	13968	4.230	ug/l #	50
38) Carbon Tetrachloride	7.783	117	19907	5.220	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	74406	38.064	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	74406	104.238	ug/l #	13
95) Naphthalene	15.233	128	827	2.913	ug/l #	84

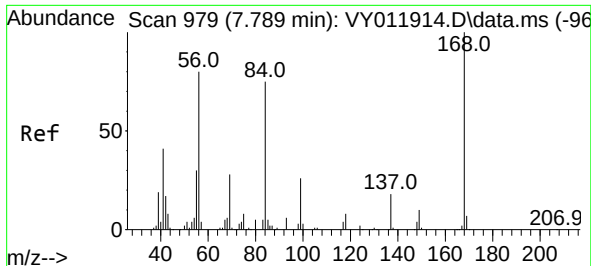
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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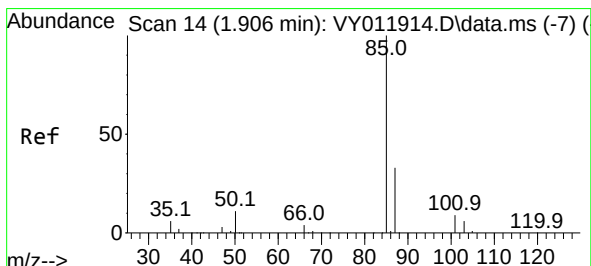
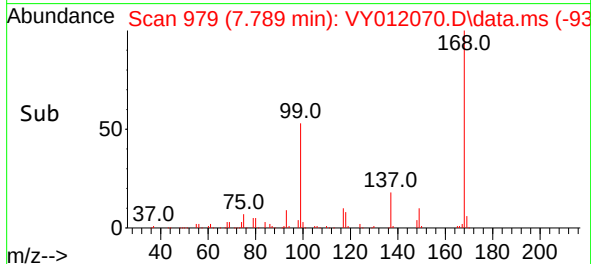
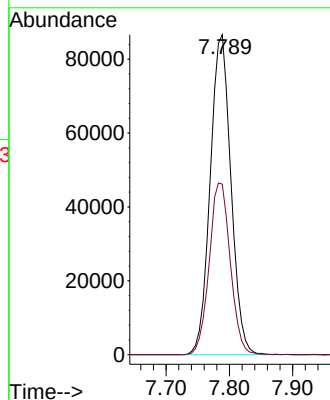
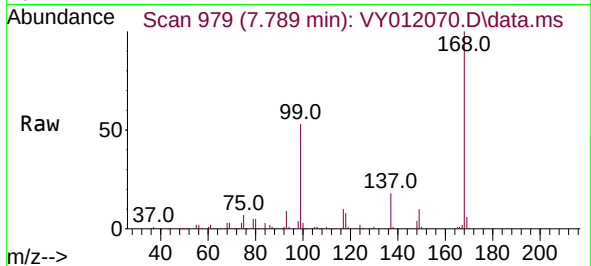




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012070.D
Acq: 04 Jan 2023 15:36

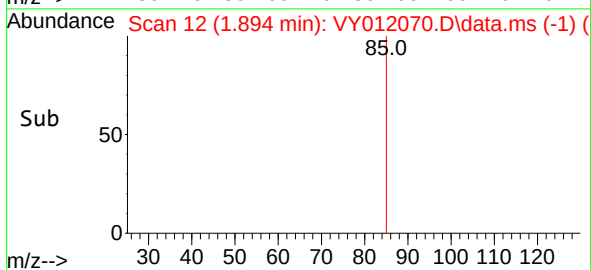
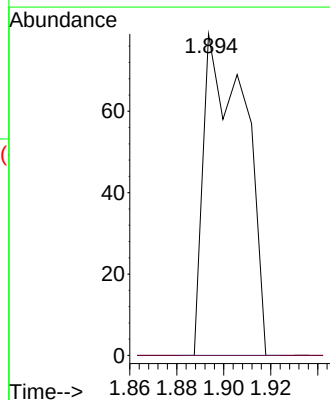
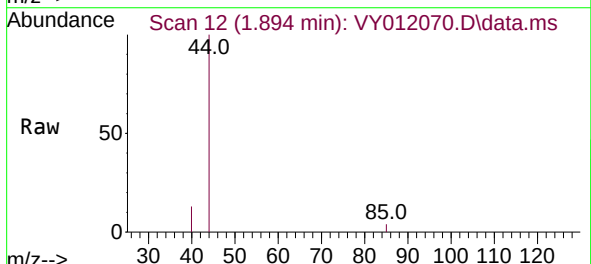
Instrument :
MSVOA_Y
ClientSampleId :
TP-205

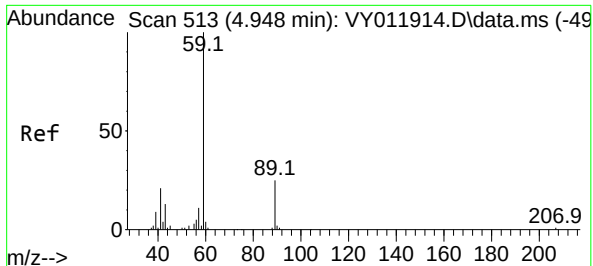
Tgt Ion:168 Resp: 196912
Ion Ratio Lower Upper
168 100
99 53.3 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.525 ug/l
RT: 1.894 min Scan# 12
Delta R.T. -0.012 min
Lab File: VY012070.D
Acq: 04 Jan 2023 15:36

Tgt Ion: 85 Resp: 96
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 513

Delta R.T. -0.000 min

Lab File: VY012070.D

Acq: 04 Jan 2023 15:36

Instrument :

MSVOA_Y

ClientSampleId :

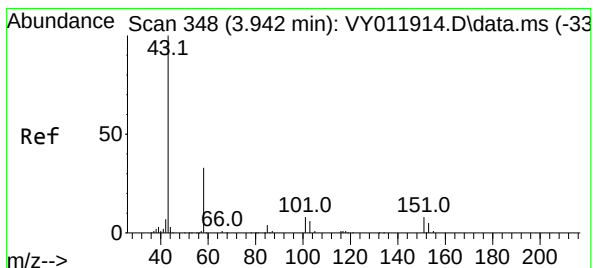
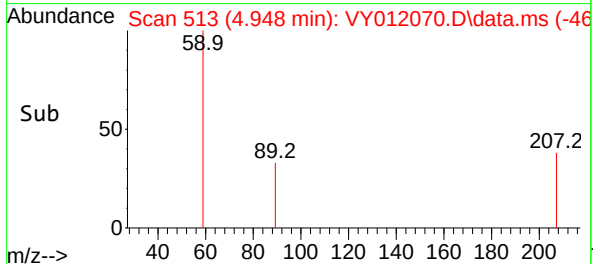
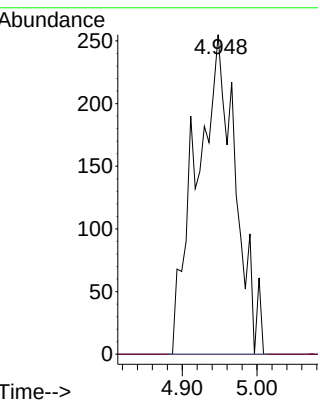
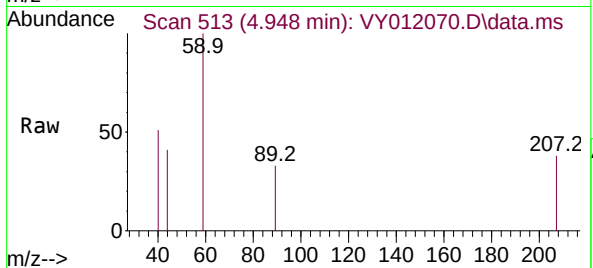
TP-205

Tgt Ion: 59 Resp: 924

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 8.655 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012070.D

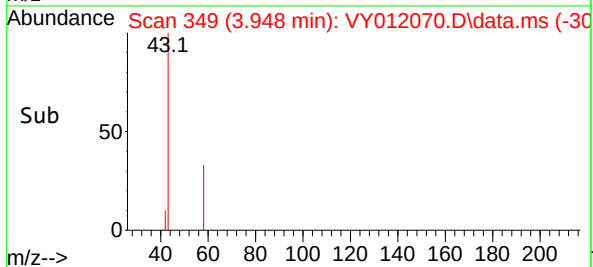
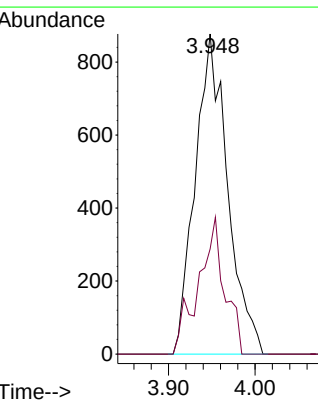
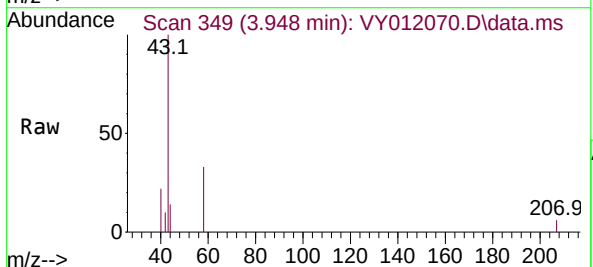
Acq: 04 Jan 2023 15:36

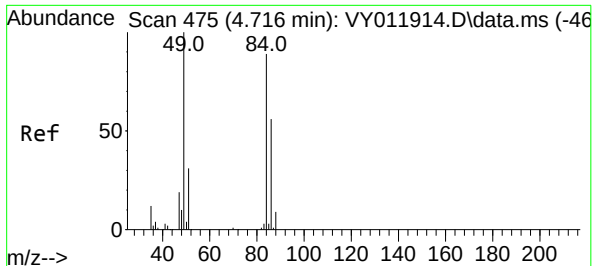
Tgt Ion: 43 Resp: 2284

Ion Ratio Lower Upper

43 100

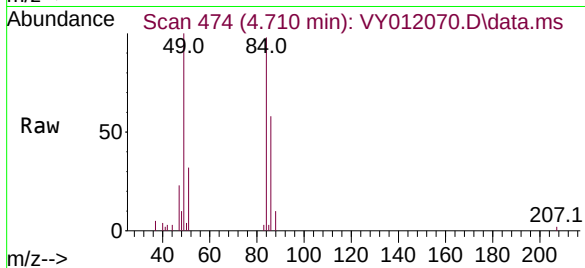
58 32.8 27.9 41.9



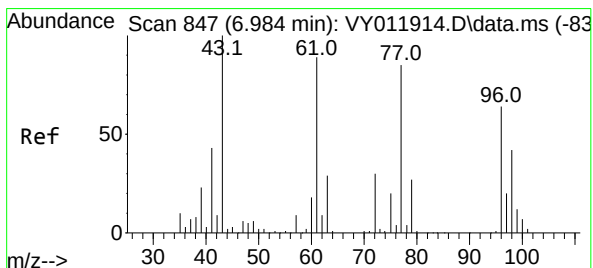
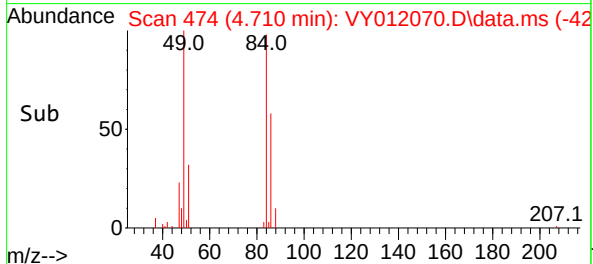
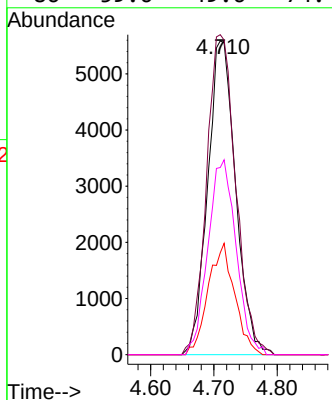


#20
Methylene Chloride
Concen: 1.687 ug/l
RT: 4.710 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY012070.D
Acq: 04 Jan 2023 15:36

Instrument :
MSVOA_Y
ClientSampleId :
TP-205

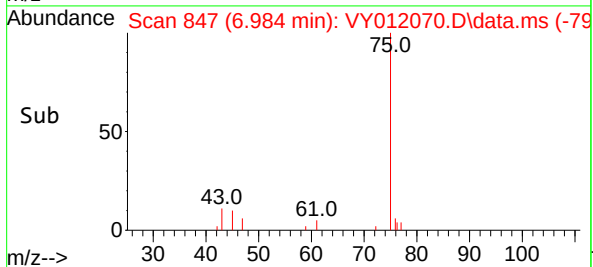
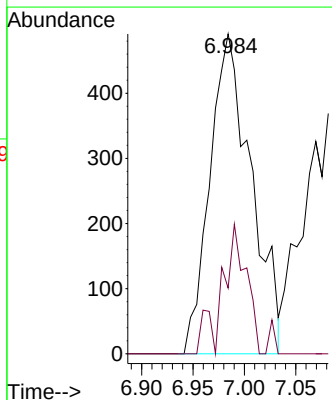
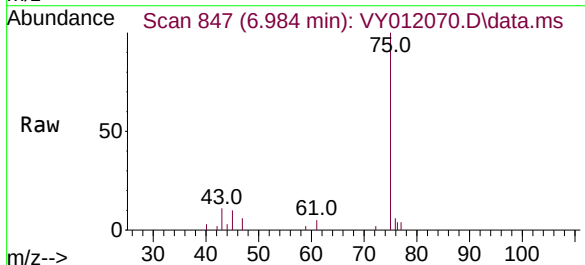


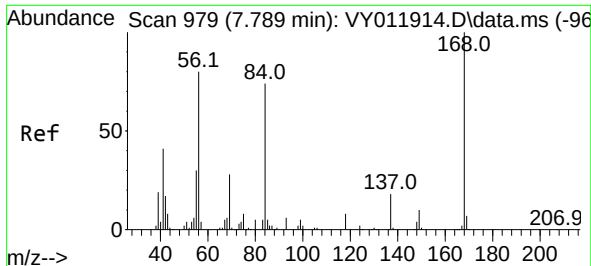
Tgt Ion:	84	Resp:	17142
Ion	Ratio	Lower	Upper
84	100		
49	101.9	95.4	143.2
51	32.5	29.9	44.9
86	59.6	49.6	74.4



#25
2-Butanone
Concen: 2.075 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY012070.D
Acq: 04 Jan 2023 15:36

Tgt Ion:	43	Resp:	1371
Ion	Ratio	Lower	Upper
43	100		
72	20.6	22.6	34.0#

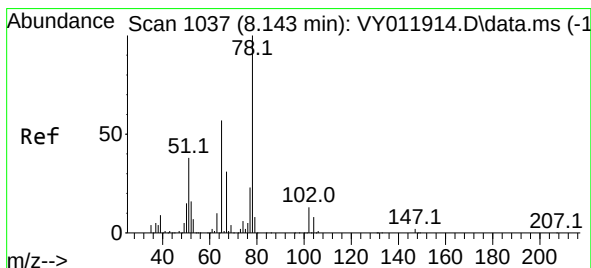
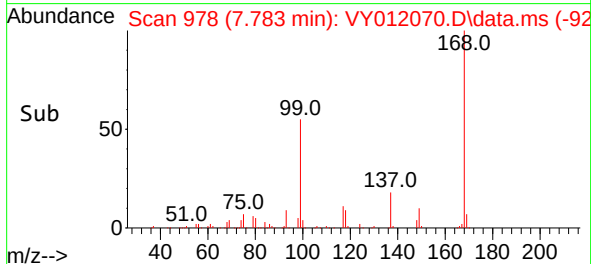
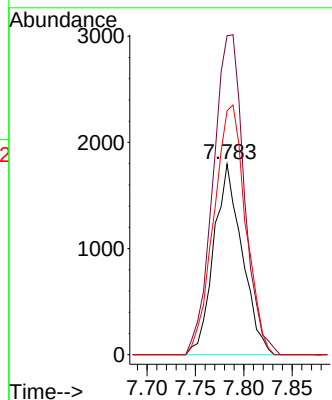
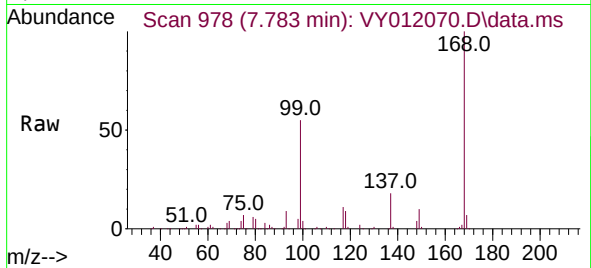




#31
Cyclohexane
Concen: 1.098 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012070.D
Acq: 04 Jan 2023 15:36

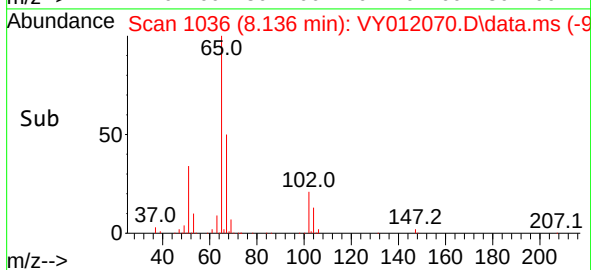
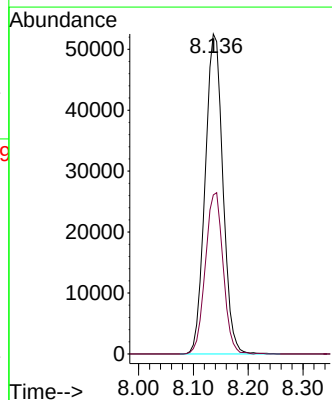
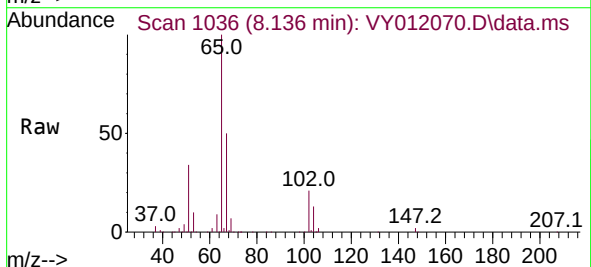
Instrument :
MSVOA_Y
ClientSampleId :
TP-205

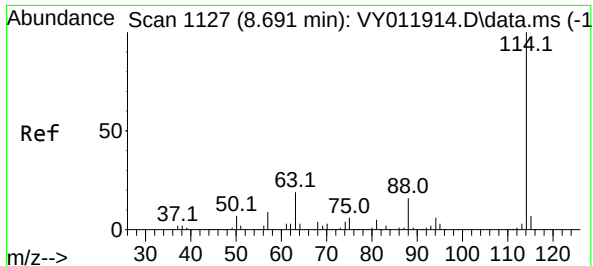
Tgt Ion: 56 Resp: 3666
Ion Ratio Lower Upper
56 100
69 167.4 29.2 43.8#
84 128.1 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 59.421 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY012070.D
Acq: 04 Jan 2023 15:36

Tgt Ion: 65 Resp: 117882
Ion Ratio Lower Upper
65 100
67 50.4 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: VY012070.D

Acq: 04 Jan 2023 15:36

Instrument :

MSVOA_Y

ClientSampleId :

TP-205

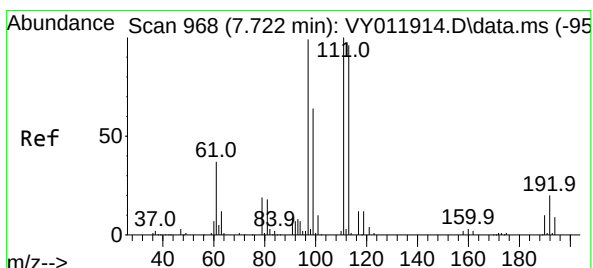
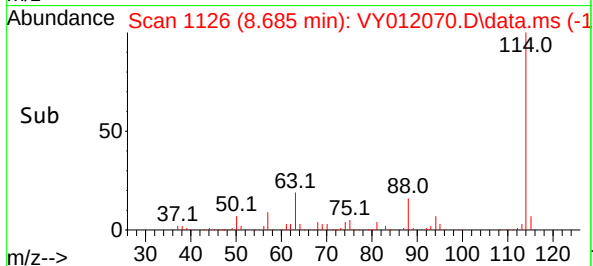
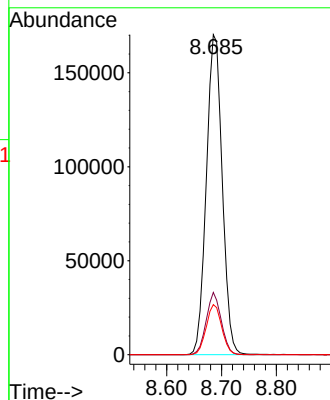
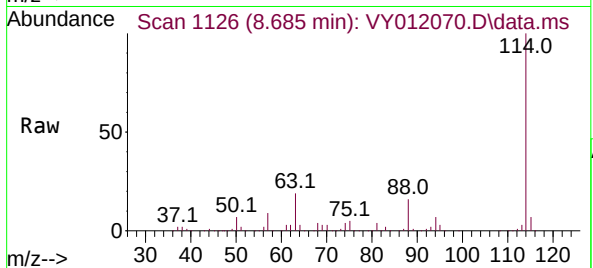
Tgt Ion:114 Resp: 341940

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 15.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 51.914 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY012070.D

Acq: 04 Jan 2023 15:36

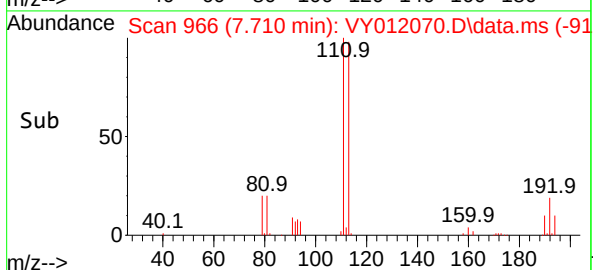
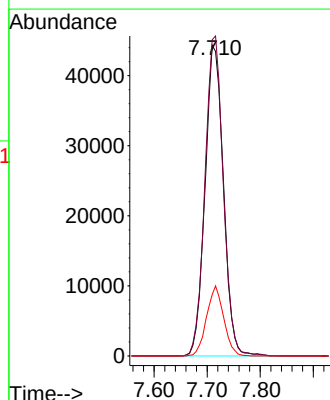
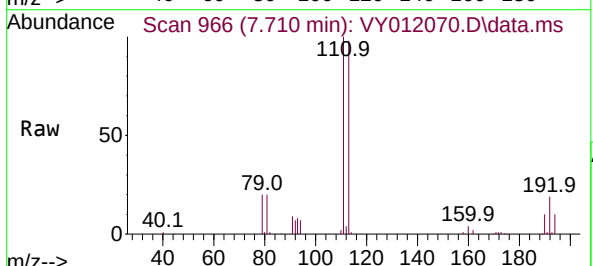
Tgt Ion:113 Resp: 106868

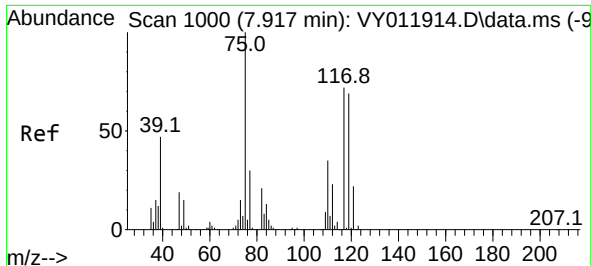
Ion Ratio Lower Upper

113 100

111 102.7 83.0 124.4

192 20.9 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.230 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012070.D

Acq: 04 Jan 2023 15:36

Instrument :

MSVOA_Y

ClientSampleId :

TP-205

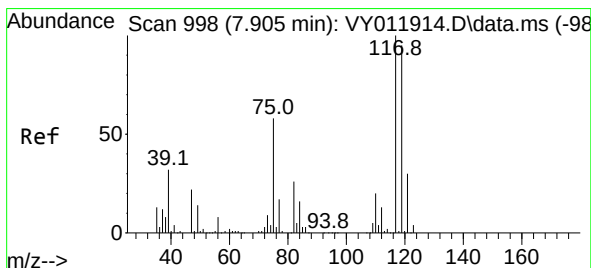
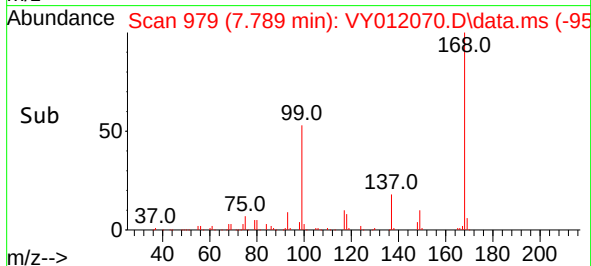
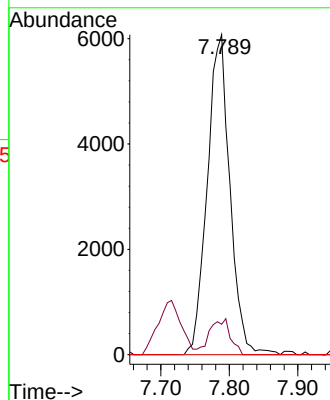
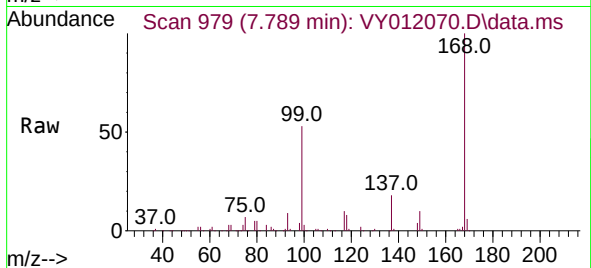
Tgt Ion: 75 Resp: 13968

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.220 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.122 min

Lab File: VY012070.D

Acq: 04 Jan 2023 15:36

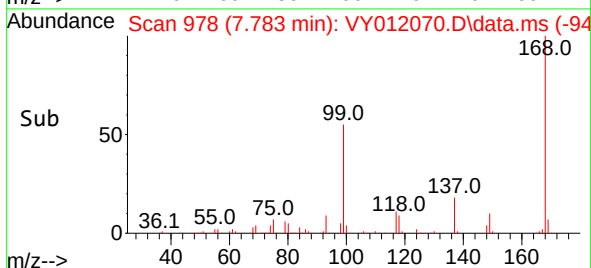
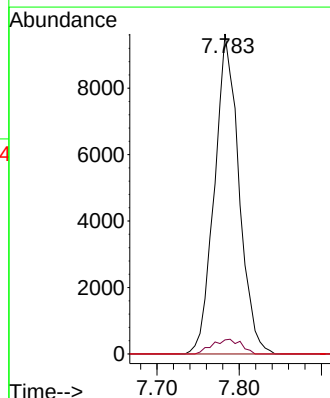
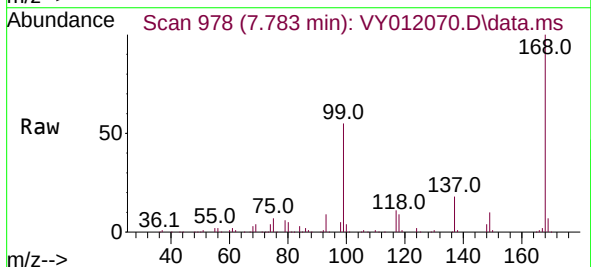
Tgt Ion: 117 Resp: 19907

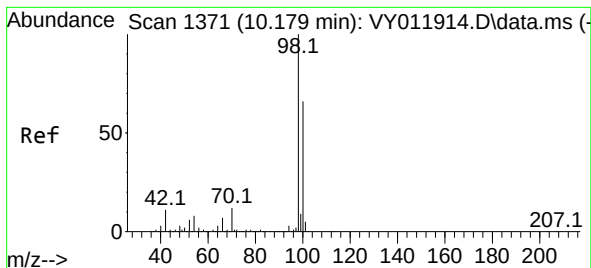
Ion Ratio Lower Upper

117 100

119 4.4 73.8 110.8#

121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 49.606 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012070.D

Acq: 04 Jan 2023 15:36

Instrument :

MSVOA_Y

ClientSampleId :

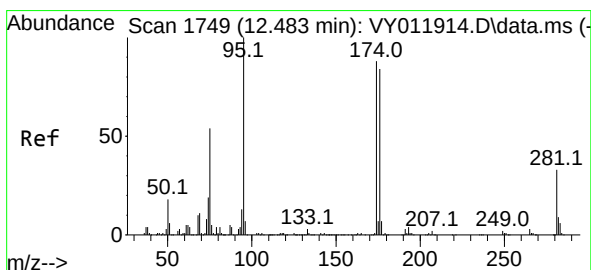
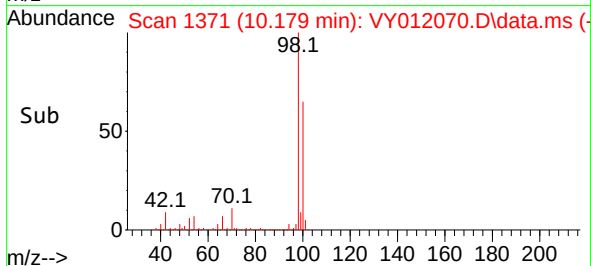
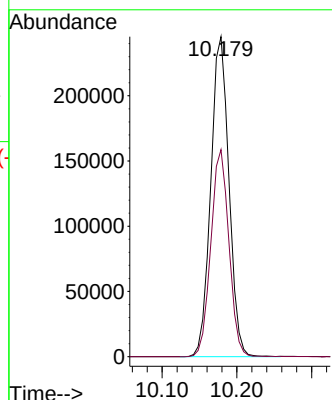
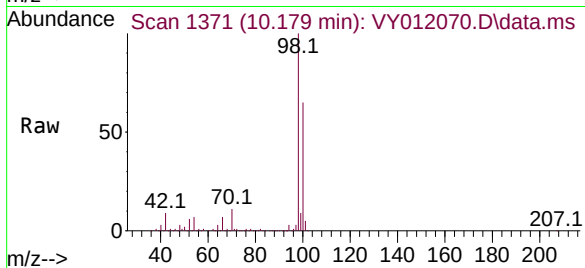
TP-205

Tgt Ion: 98 Resp: 414315

Ion Ratio Lower Upper

98 100

100 64.4 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 50.511 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY012070.D

Acq: 04 Jan 2023 15:36

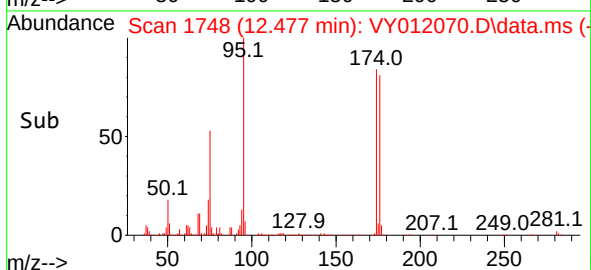
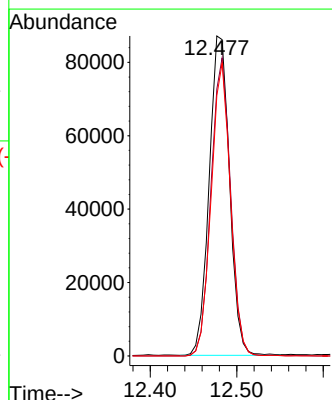
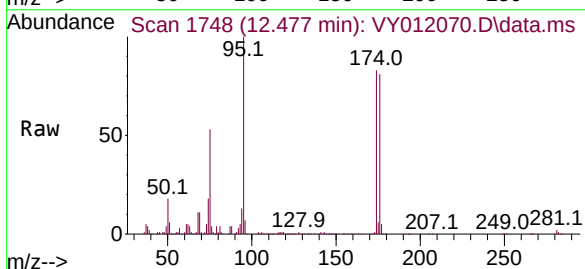
Tgt Ion: 95 Resp: 141884

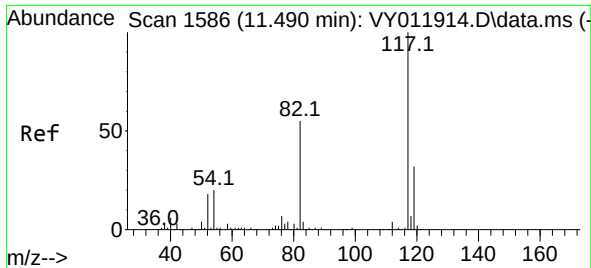
Ion Ratio Lower Upper

95 100

174 90.0 0.0 172.0

176 86.9 0.0 167.6

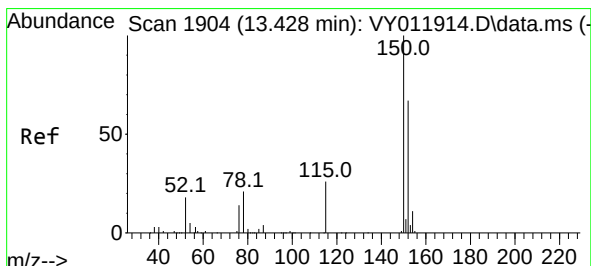
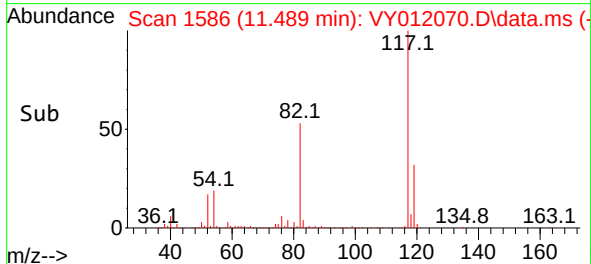
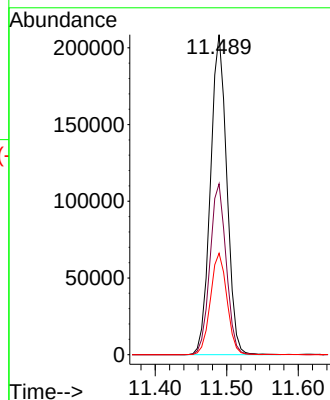
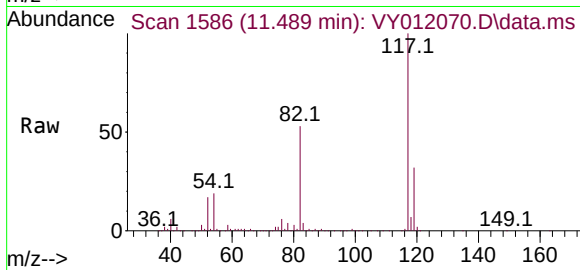




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY012070.D
Acq: 04 Jan 2023 15:36

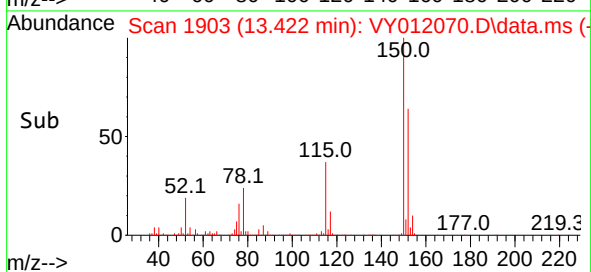
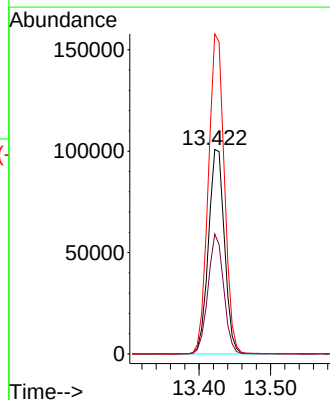
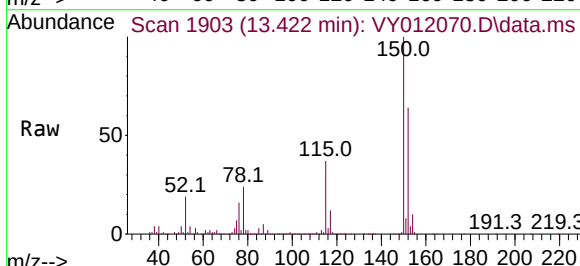
Instrument :
MSVOA_Y
ClientSampleId :
TP-205

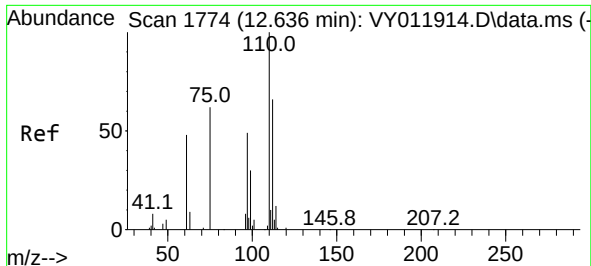
Tgt Ion:117 Resp: 330538
Ion Ratio Lower Upper
117 100
82 53.4 44.8 67.2
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012070.D
Acq: 04 Jan 2023 15:36

Tgt Ion:152 Resp: 157094
Ion Ratio Lower Upper
152 100
115 57.2 29.1 87.3
150 156.9 0.0 342.6

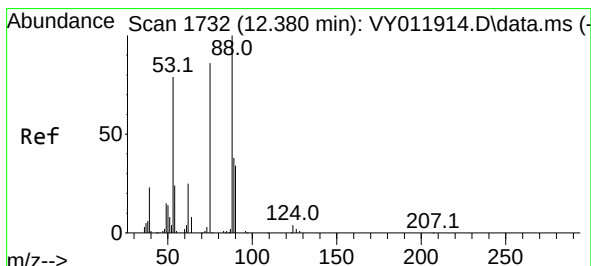
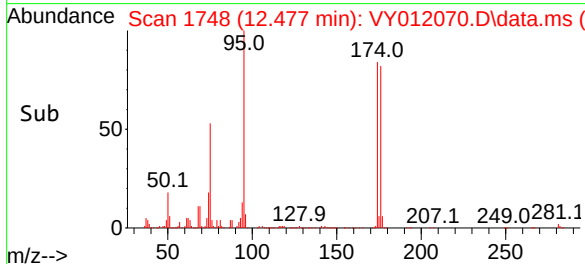
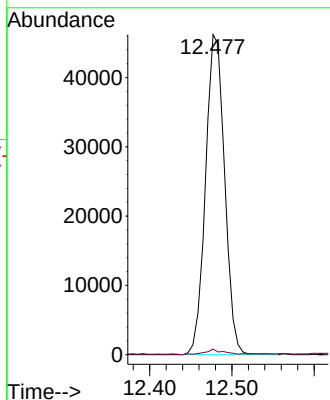
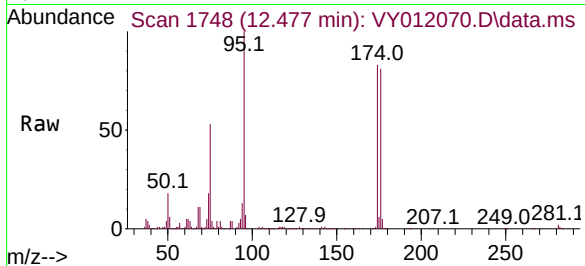




#76
 1,2,3-Trichloropropane
 Concen: 38.064 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.159 min
 Lab File: VY012070.D
 Acq: 04 Jan 2023 15:36

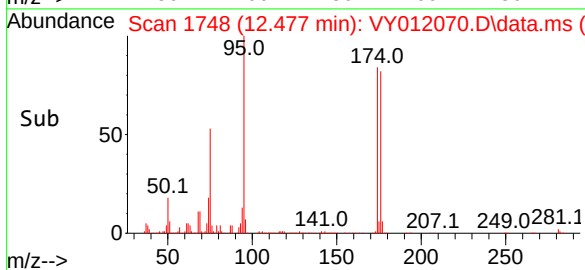
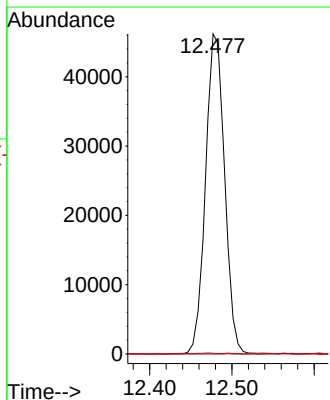
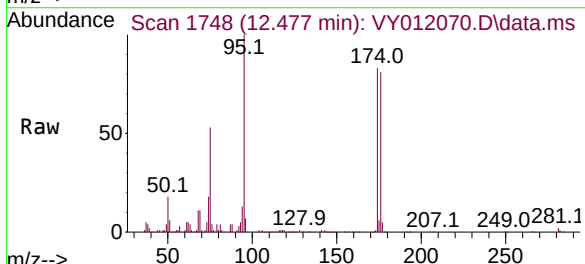
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-205

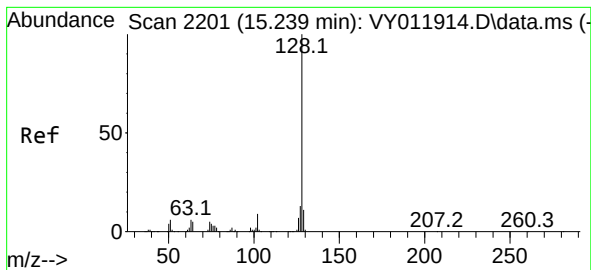
Tgt Ion: 75 Resp: 74406
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.238 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. 0.097 min
 Lab File: VY012070.D
 Acq: 04 Jan 2023 15:36

Tgt Ion: 75 Resp: 74406
 Ion Ratio Lower Upper
 75 100
 53 0.2 72.5 108.7#
 89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 2.913 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY012070.D
Acq: 04 Jan 2023 15:36

Instrument :
MSVOA_Y
ClientSampleId :
TP-205

Tgt Ion:128 Resp: 827
Ion Ratio Lower Upper
128 100
127 3.3 10.2 15.2#
129 13.8 8.8 13.2#

