

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010323\
 Data File : VY012057.D
 Acq On : 03 Jan 2023 19:16
 Operator : KP/MD
 Sample : N6239-01
 Misc : 4.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1S

Quant Time: Jan 04 01:21:37 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)

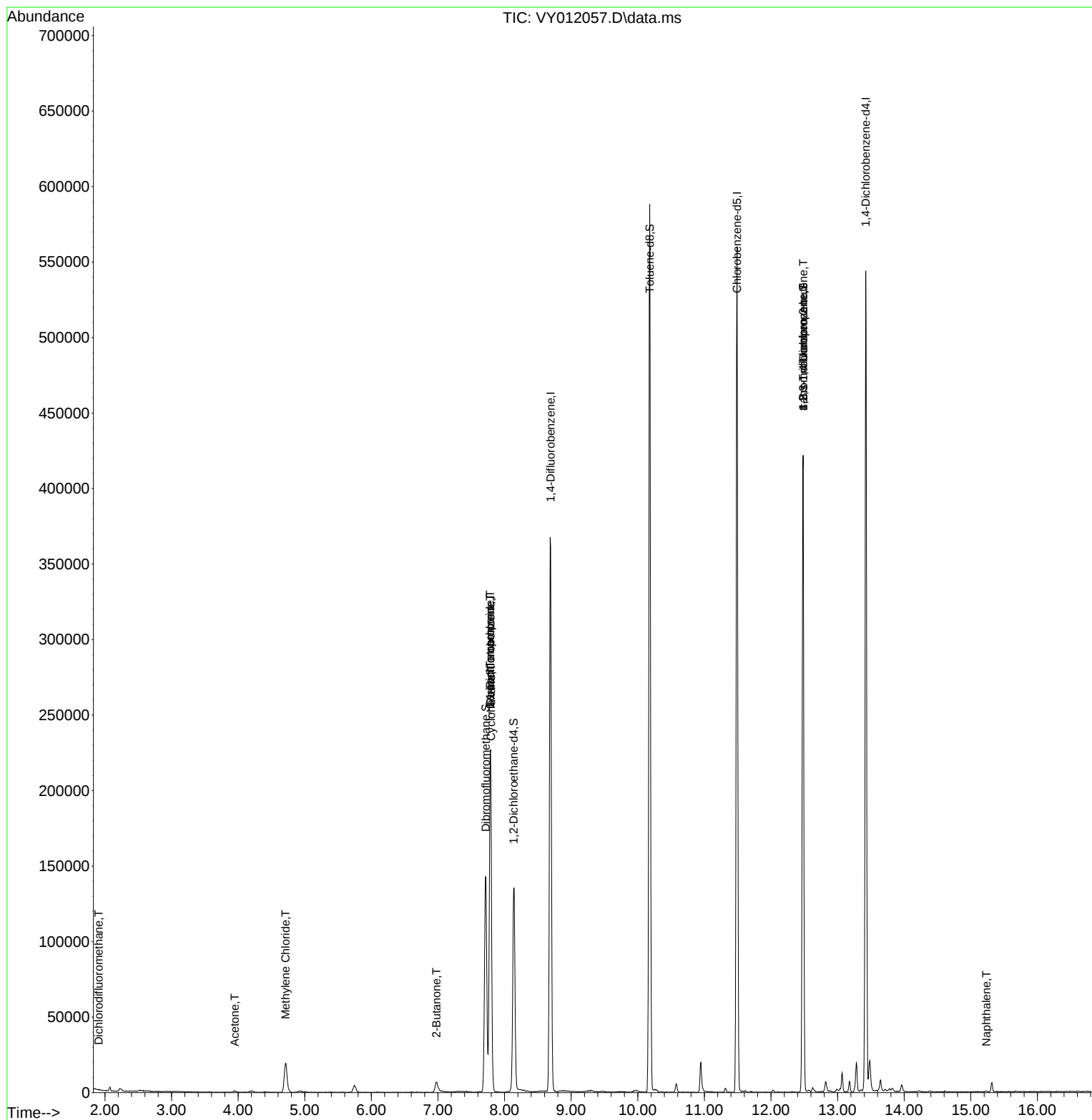
Internal Standards						
1) Pentafluorobenzene	7.789	168	180259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	325549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	306929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	143896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	114049	62.800	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.600%	
35) Dibromofluoromethane	7.716	113	99206	50.618	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.240%	
50) Toluene-d8	10.179	98	388982	48.918	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.840%	
62) 4-Bromofluorobenzene	12.483	95	127347	47.618	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.240%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	74	2.516	ug/l #	41
11) Tert butyl alcohol	4.924	59	1391	Below Cal	#	74
16) Acetone	3.948	43	1652	7.862	ug/l #	72
20) Methylene Chloride	4.710	84	15586	1.629	ug/l	88
25) 2-Butanone	6.978	43	1098	1.815	ug/l	96
31) Cyclohexane	7.795	56	3335	1.091	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12881	4.097	ug/l #	51
38) Carbon Tetrachloride	7.783	117	17964	4.948	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	66864	37.343	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	66864	102.263	ug/l #	13
95) Naphthalene	15.233	128	777	2.917	ug/l #	69

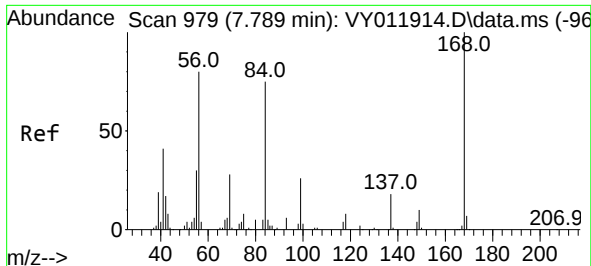
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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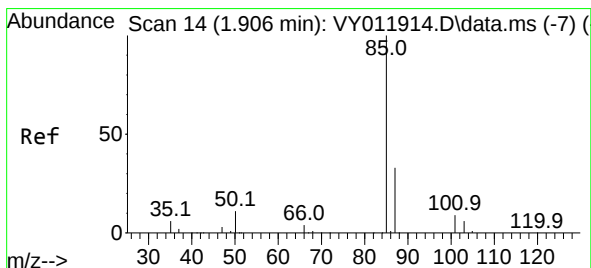
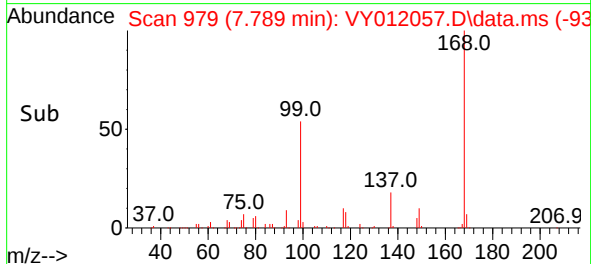
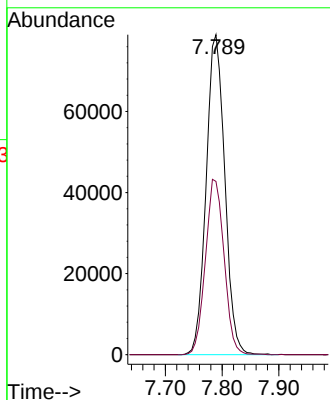
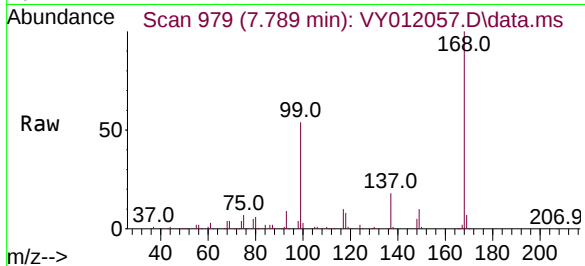




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012057.D
Acq: 03 Jan 2023 19:16

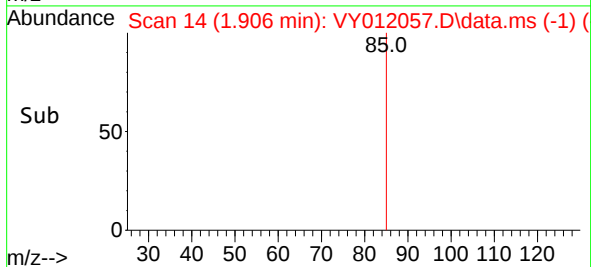
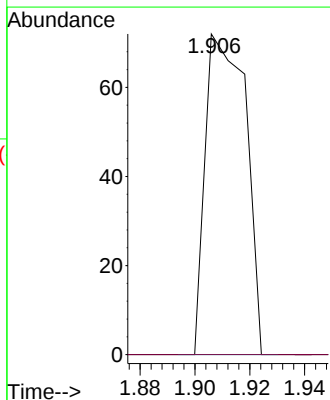
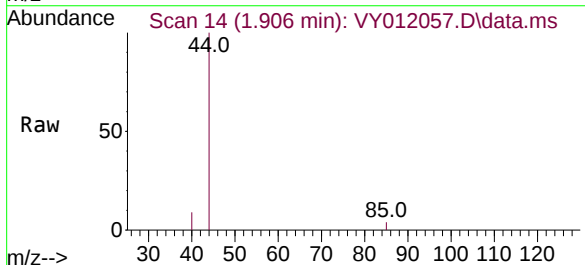
Instrument :
MSVOA_Y
ClientSampleId :
TP-1S

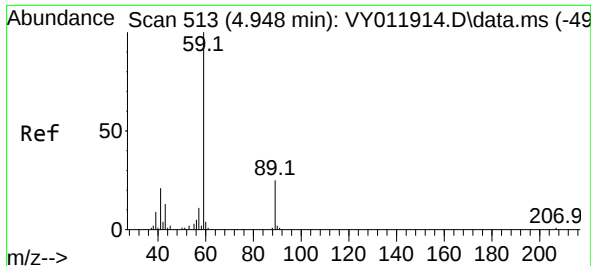
Tgt Ion:168 Resp: 180259
Ion Ratio Lower Upper
168 100
99 54.2 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.516 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012057.D
Acq: 03 Jan 2023 19:16

Tgt Ion: 85 Resp: 74
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

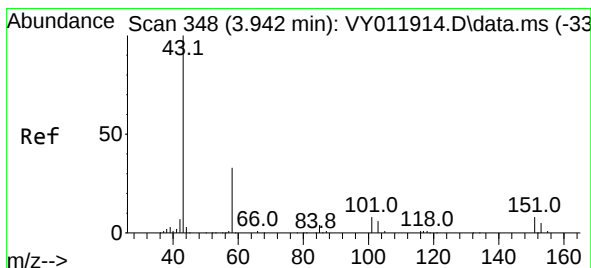
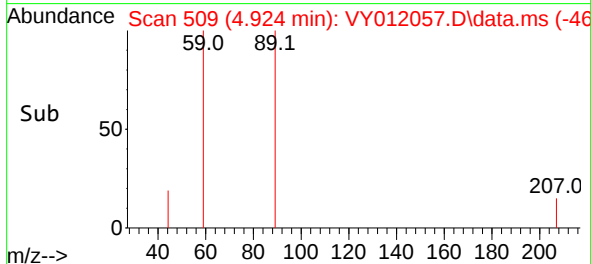
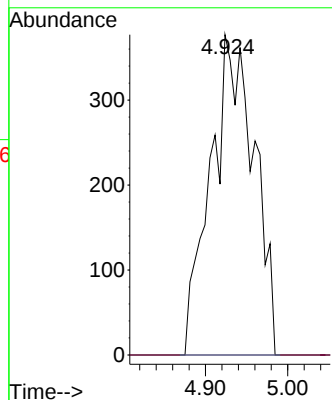
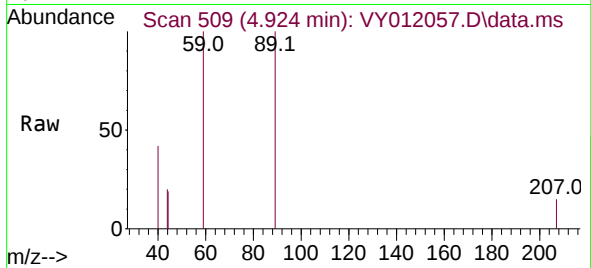




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY012057.D
Acq: 03 Jan 2023 19:16

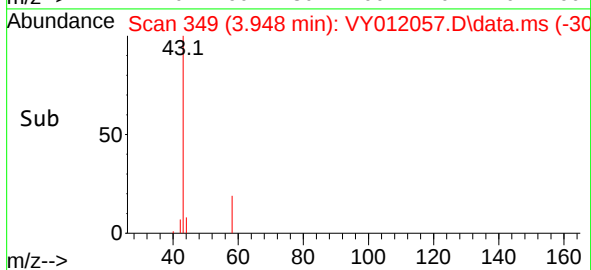
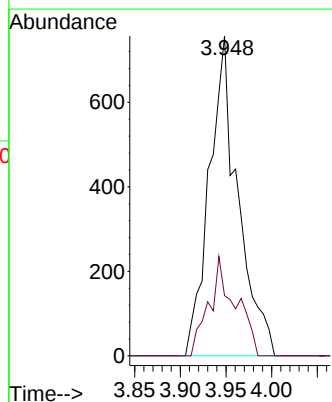
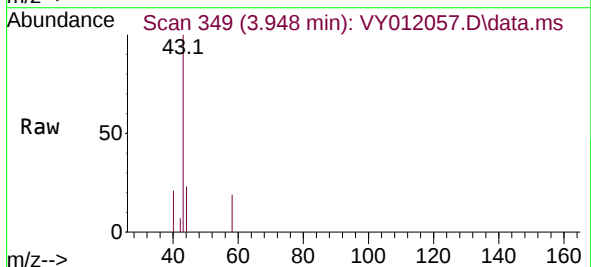
Instrument :
MSVOA_Y
ClientSampleId :
TP-1S

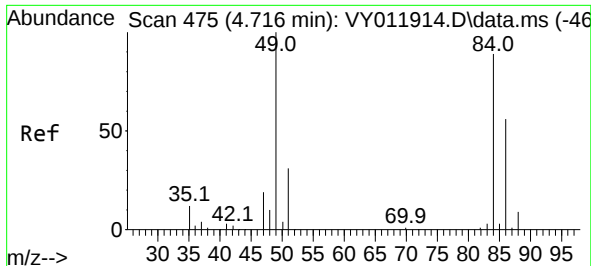
Tgt Ion: 59 Resp: 1391
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 7.862 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012057.D
Acq: 03 Jan 2023 19:16

Tgt Ion: 43 Resp: 1652
Ion Ratio Lower Upper
43 100
58 18.9 27.9 41.9#



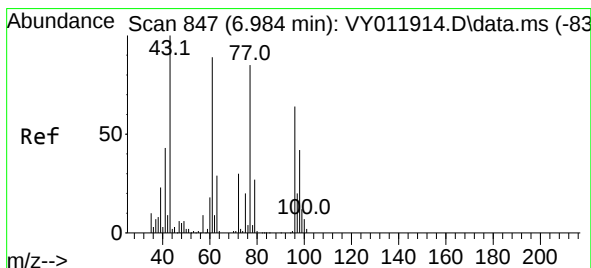
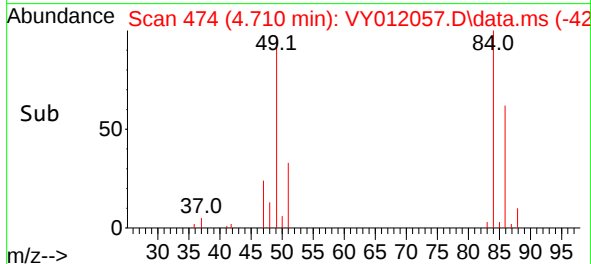
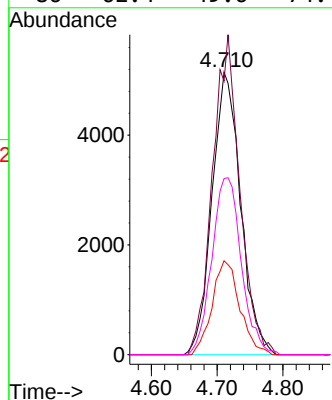
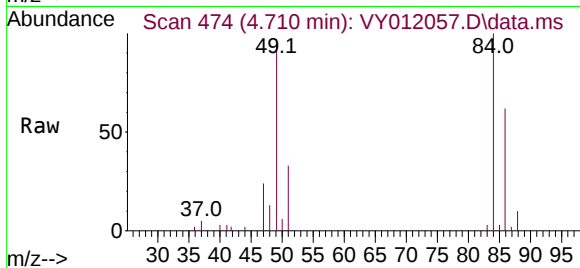


#20
Methylene Chloride
Concen: 1.629 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY012057.D
Acq: 03 Jan 2023 19:16

Instrument :
MSVOA_Y
ClientSampleId :
TP-1S

Tgt Ion: 84 Resp: 15586

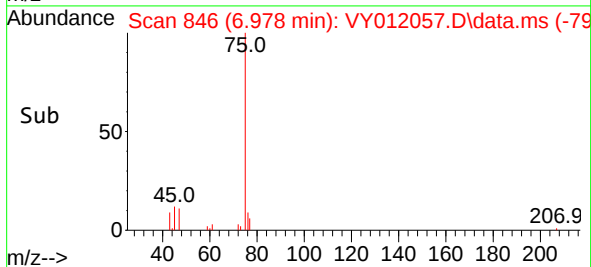
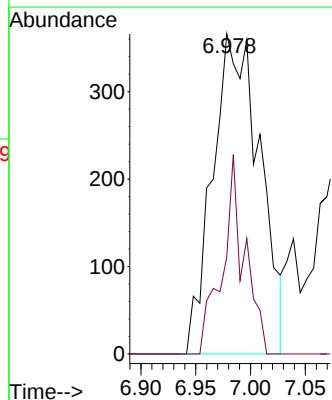
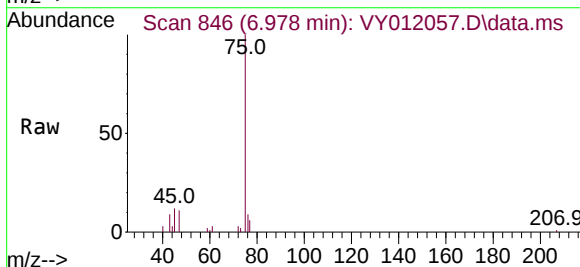
Ion	Ratio	Lower	Upper
84	100		
49	96.8	95.4	143.2
51	33.3	29.9	44.9
86	62.4	49.6	74.4

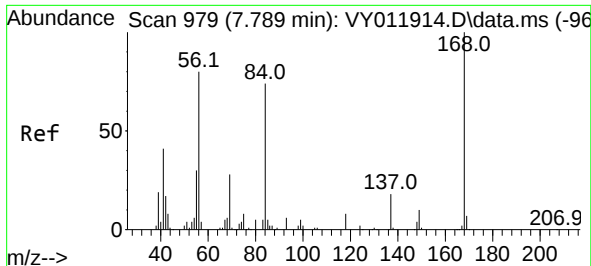


#25
2-Butanone
Concen: 1.815 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY012057.D
Acq: 03 Jan 2023 19:16

Tgt Ion: 43 Resp: 1098

Ion	Ratio	Lower	Upper
43	100		
72	30.3	22.6	34.0

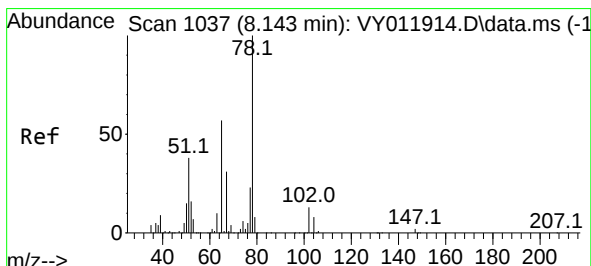
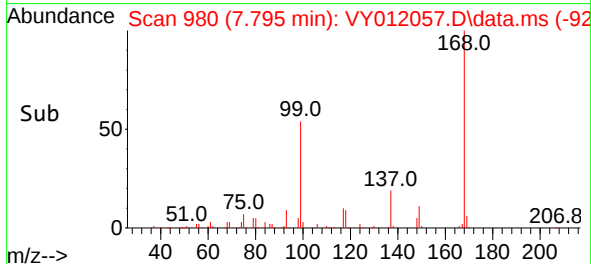
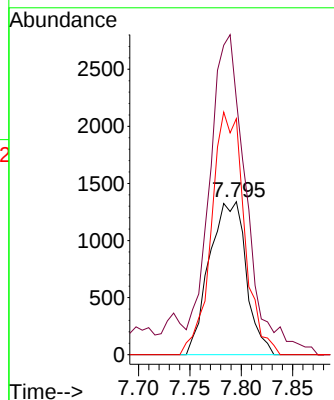
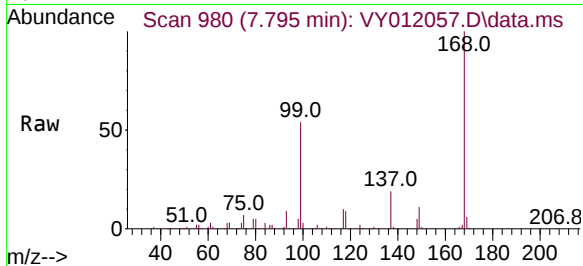




#31
Cyclohexane
Concen: 1.091 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY012057.D
Acq: 03 Jan 2023 19:16

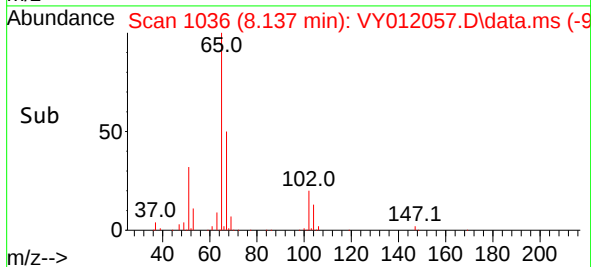
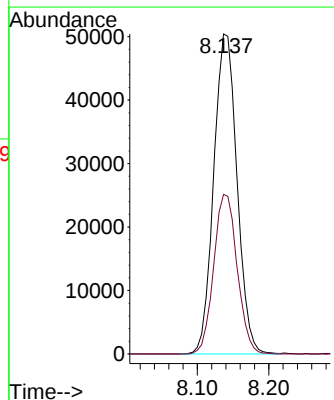
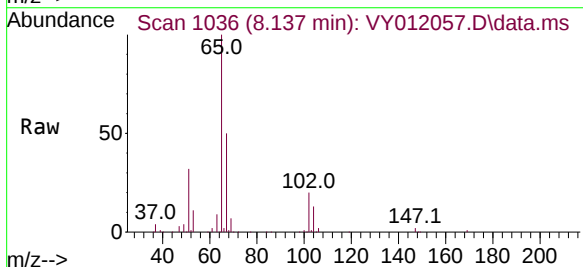
Instrument :
MSVOA_Y
ClientSampleId :
TP-1S

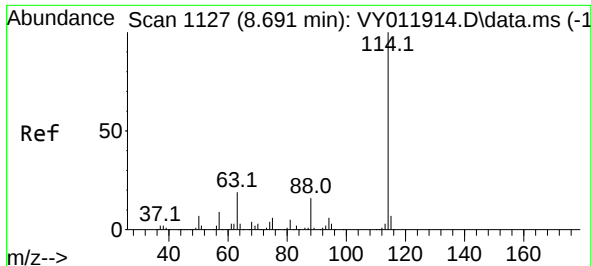
Tgt Ion: 56 Resp: 3335
Ion Ratio Lower Upper
56 100
69 148.7 29.2 43.8#
84 154.3 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 62.800 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012057.D
Acq: 03 Jan 2023 19:16

Tgt Ion: 65 Resp: 114049
Ion Ratio Lower Upper
65 100
67 50.2 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012057.D

Acq: 03 Jan 2023 19:16

Instrument :

MSVOA_Y

ClientSampleId :

TP-1S

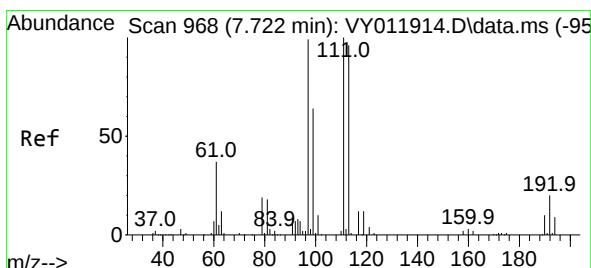
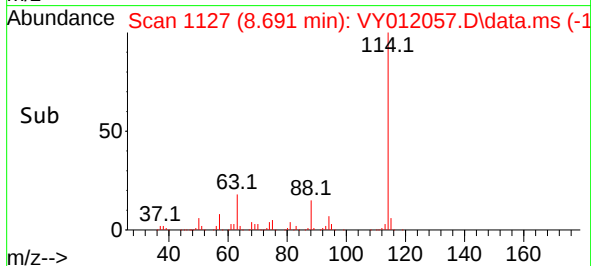
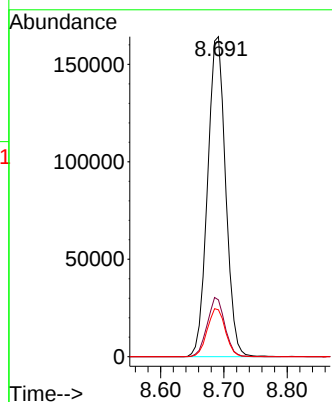
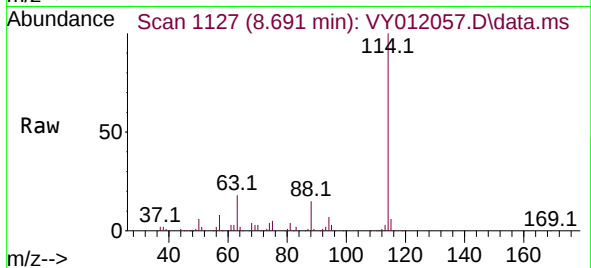
Tgt Ion:114 Resp: 325549

Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.6

88 14.6 0.0 32.2



#35

Dibromofluoromethane

Concen: 50.618 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012057.D

Acq: 03 Jan 2023 19:16

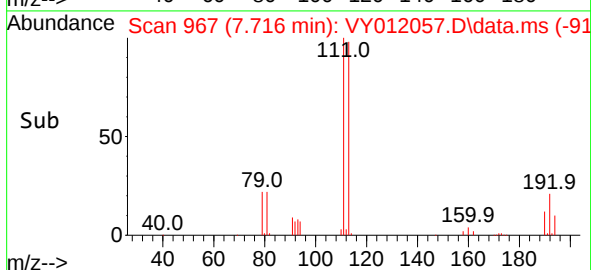
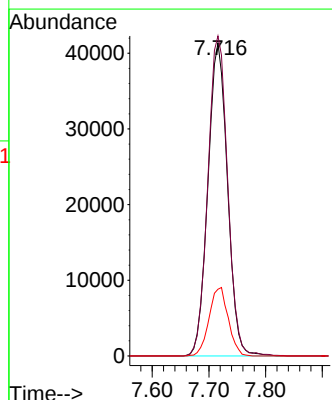
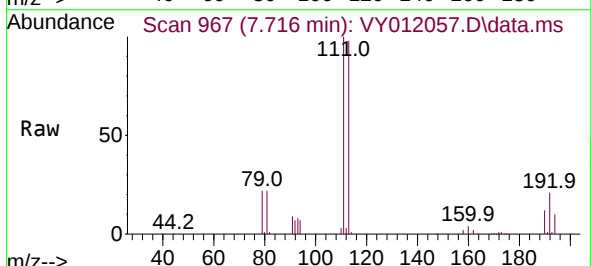
Tgt Ion:113 Resp: 99206

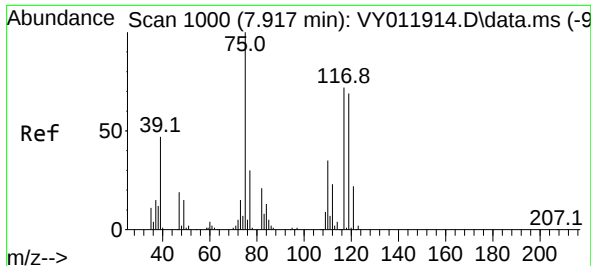
Ion Ratio Lower Upper

113 100

111 103.4 83.0 124.4

192 21.4 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.097 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012057.D

Acq: 03 Jan 2023 19:16

Instrument :

MSVOA_Y

ClientSampleId :

TP-1S

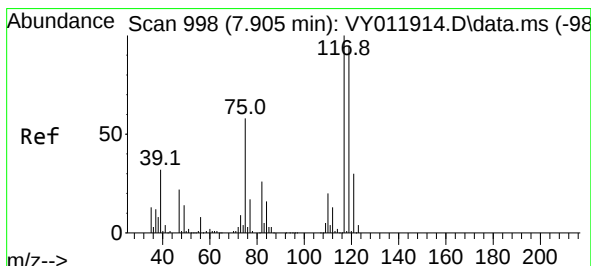
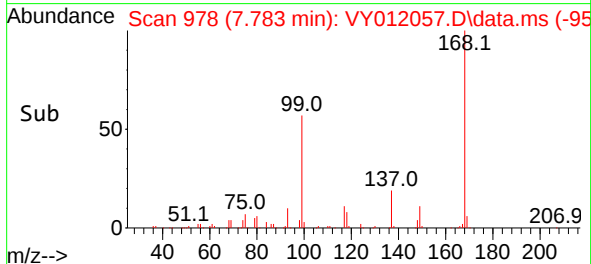
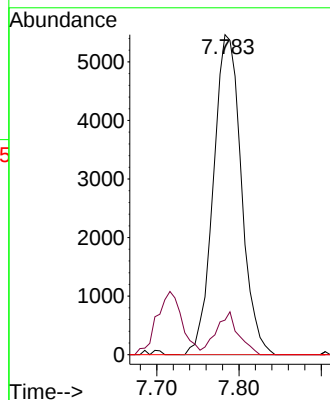
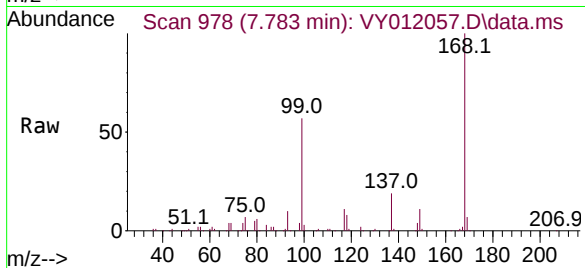
Tgt Ion: 75 Resp: 12881

Ion Ratio Lower Upper

75 100

110 10.7 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.948 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.122 min

Lab File: VY012057.D

Acq: 03 Jan 2023 19:16

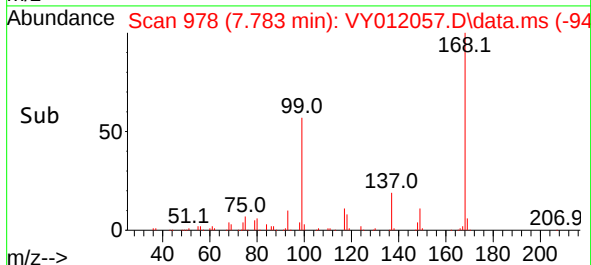
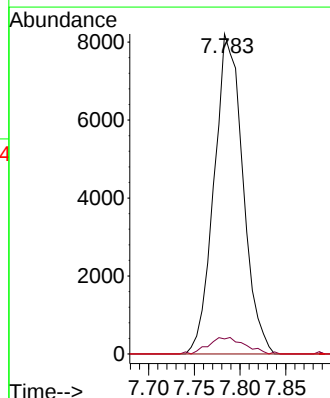
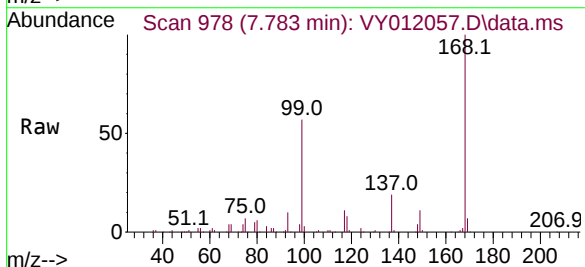
Tgt Ion: 117 Resp: 17964

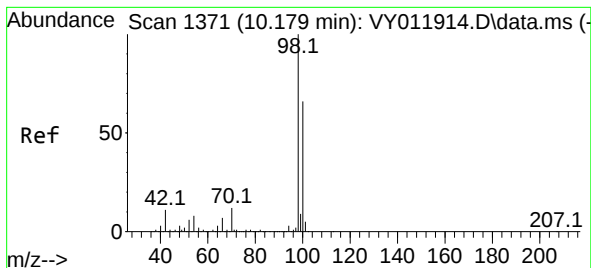
Ion Ratio Lower Upper

117 100

119 4.7 73.8 110.8#

121 0.0 25.2 37.8#

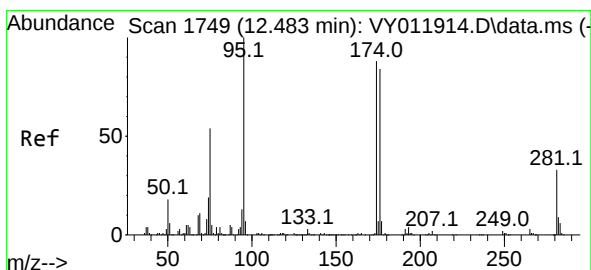
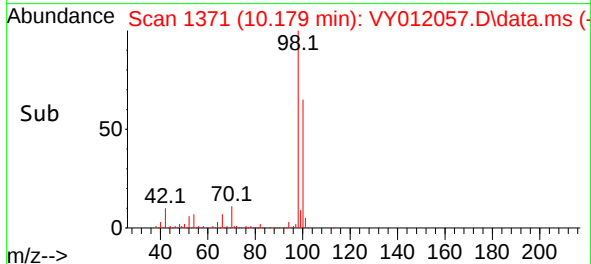
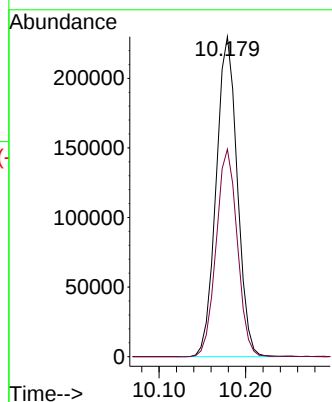
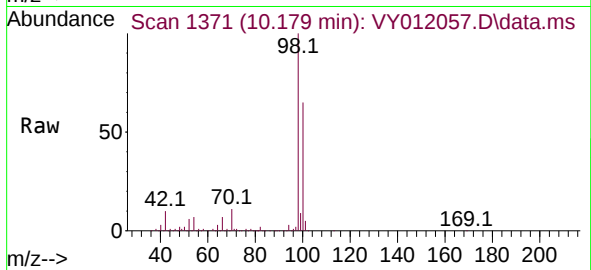




#50
Toluene-d8
Concen: 48.918 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012057.D
Acq: 03 Jan 2023 19:16

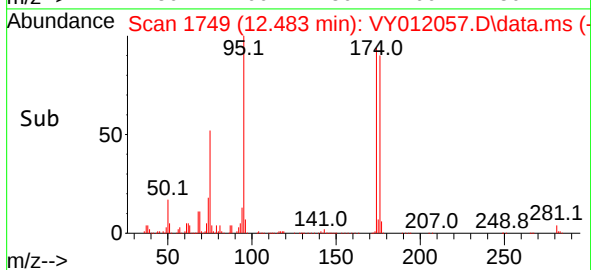
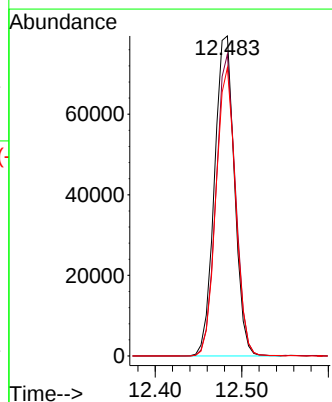
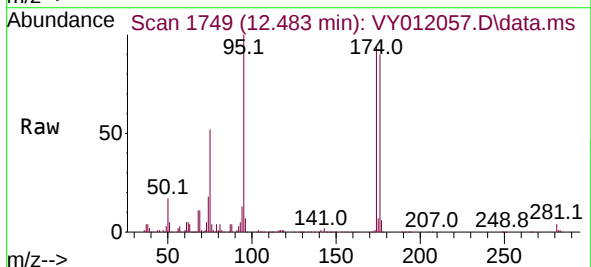
Instrument :
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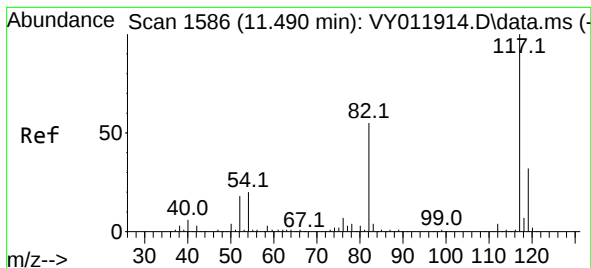
Tgt Ion: 98 Resp: 388982
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 47.618 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012057.D
Acq: 03 Jan 2023 19:16

Tgt Ion: 95 Resp: 127347
Ion Ratio Lower Upper
95 100
174 91.6 0.0 172.0
176 88.4 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: VY012057.D

Acq: 03 Jan 2023 19:16

Instrument :

MSVOA_Y

ClientSampleId :

TP-1S

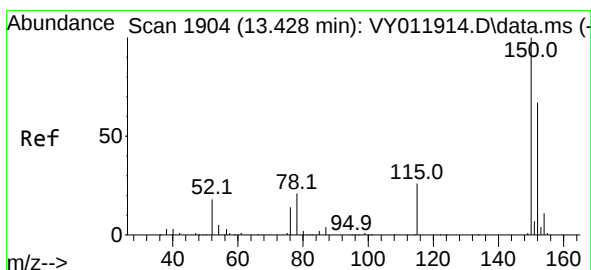
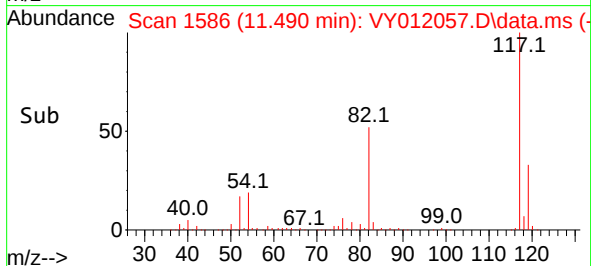
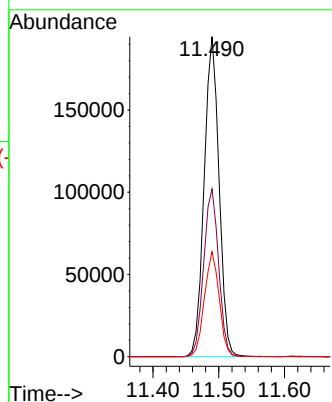
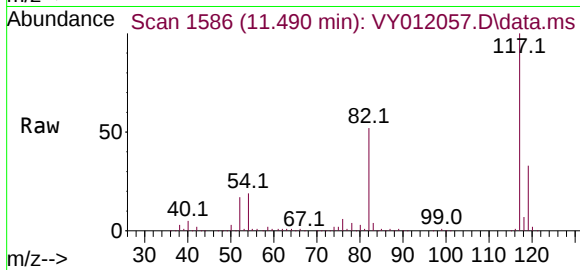
Tgt Ion:117 Resp: 306929

Ion Ratio Lower Upper

117 100

82 52.4 44.8 67.2

119 32.8 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: VY012057.D

Acq: 03 Jan 2023 19:16

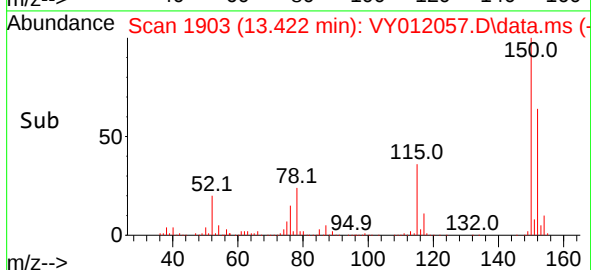
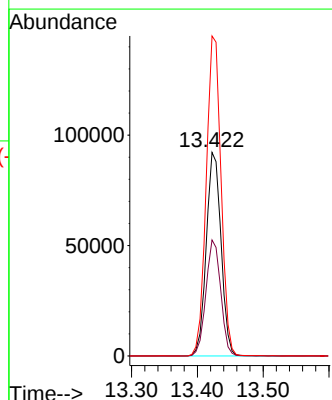
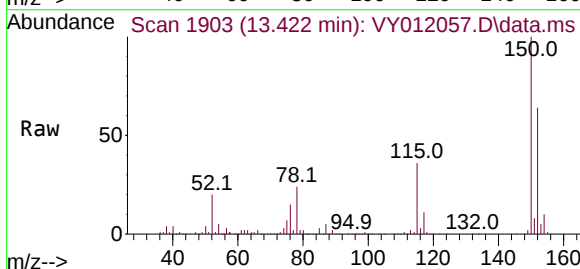
Tgt Ion:152 Resp: 143896

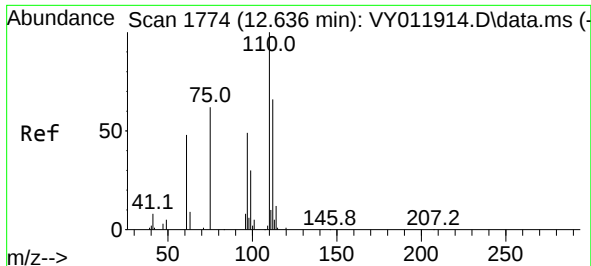
Ion Ratio Lower Upper

152 100

115 57.1 29.1 87.3

150 157.6 0.0 342.6

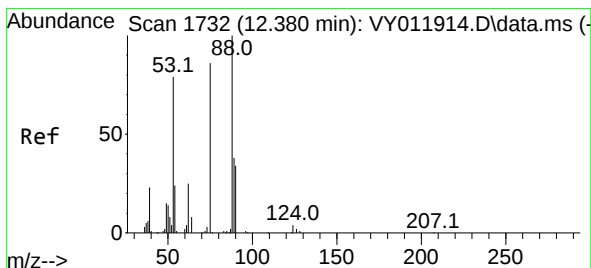
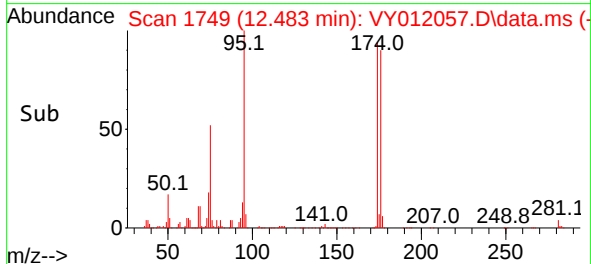
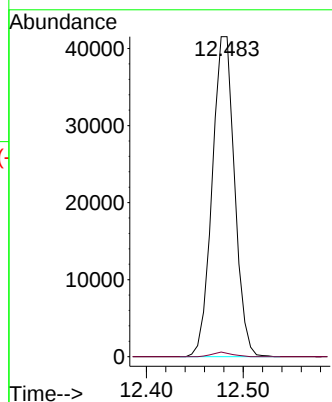
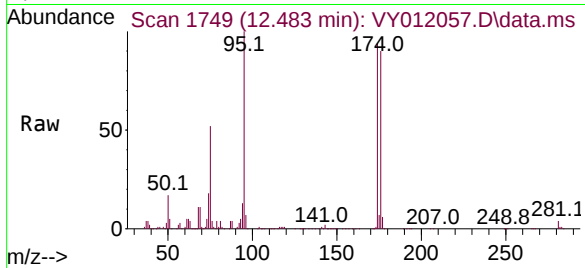




#76
1,2,3-Trichloropropane
Concen: 37.343 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012057.D
Acq: 03 Jan 2023 19:16

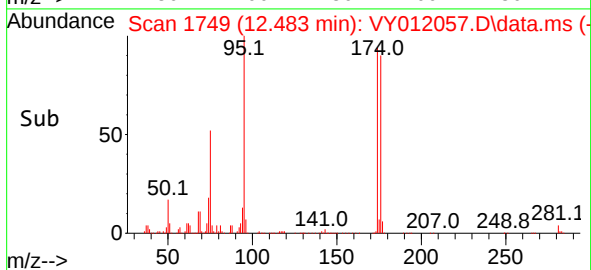
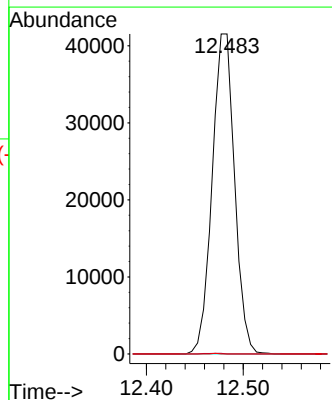
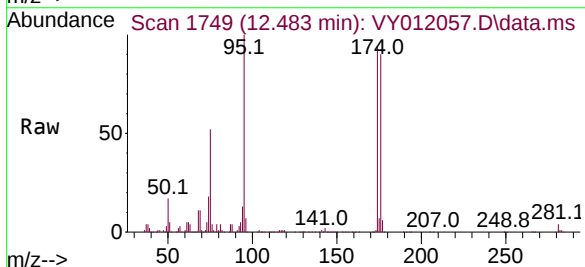
Instrument :
MSVOA_Y
ClientSampleId :
TP-1S

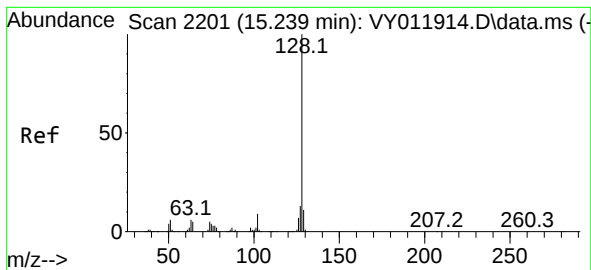
Tgt Ion: 75 Resp: 66864
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.263 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012057.D
Acq: 03 Jan 2023 19:16

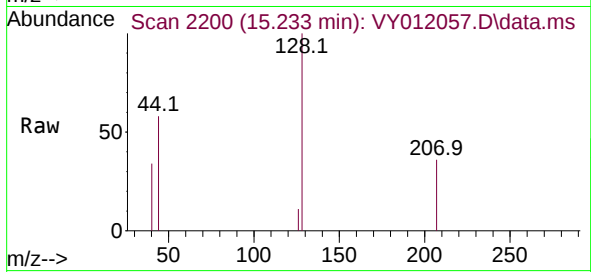
Tgt Ion: 75 Resp: 66864
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 2.917 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY012057.D
Acq: 03 Jan 2023 19:16

Instrument :
MSVOA_Y
ClientSampleId :
TP-1S



Tgt Ion:128 Resp: 777
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

