

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010323\
 Data File : VY012058.D
 Acq On : 03 Jan 2023 19:39
 Operator : KP/MD
 Sample : N6239-04
 Misc : 4.96g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-C1

Quant Time: Jan 04 01:21:57 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)

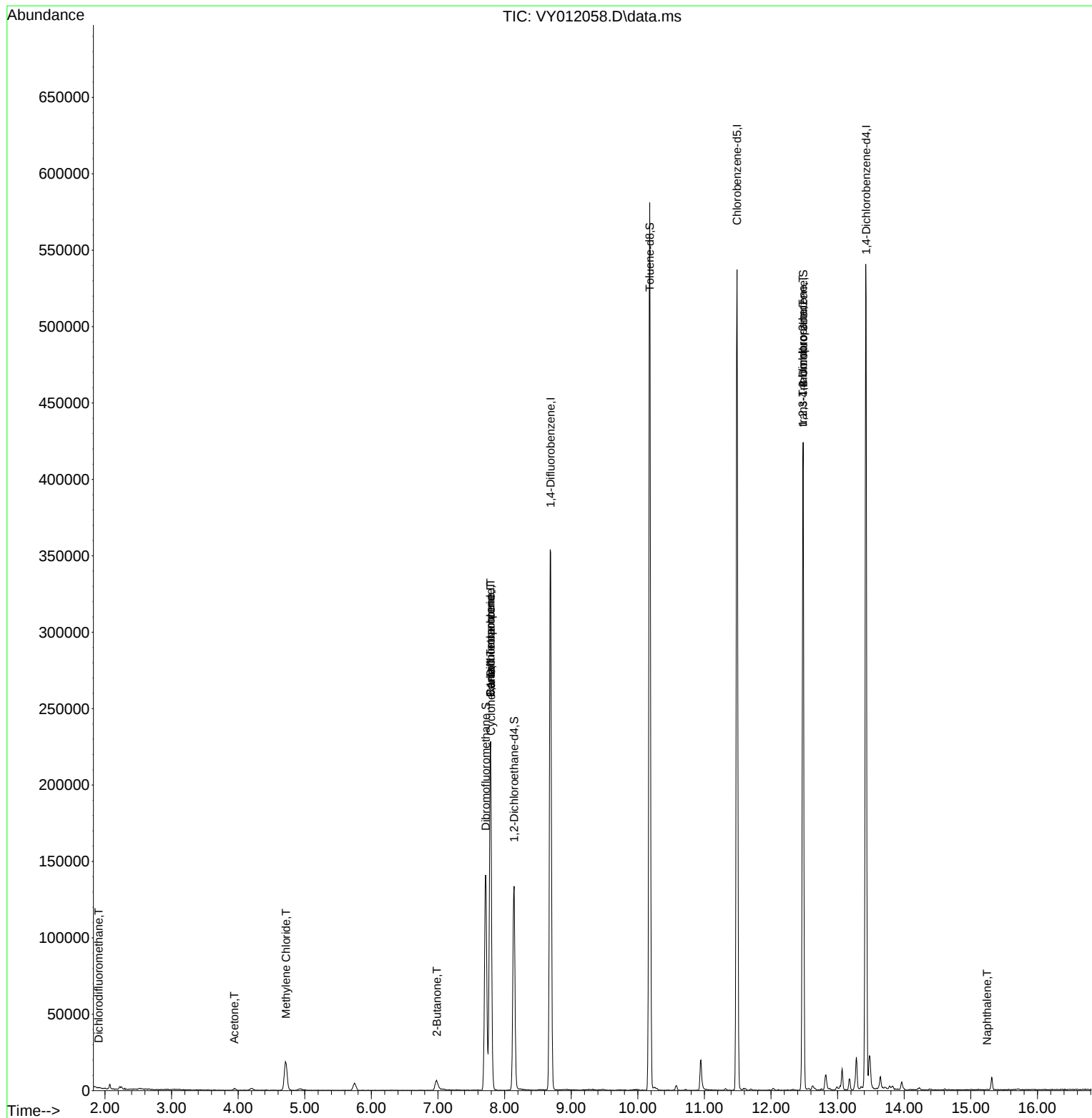
Internal Standards						
1) Pentafluorobenzene	7.789	168	179981	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	315429	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	300818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	143867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	109394	60.330	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.660%	
35) Dibromofluoromethane	7.716	113	97914	51.562	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.120%	
50) Toluene-d8	10.179	98	387815	50.336	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.680%	
62) 4-Bromofluorobenzene	12.483	95	123841	47.793	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.580%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	142	2.561	ug/l #	41
11) Tert butyl alcohol	4.930	59	1556	Below Cal	#	74
16) Acetone	3.942	43	1959	8.422	ug/l #	84
20) Methylene Chloride	4.716	84	15127	1.392	ug/l #	91
25) 2-Butanone	6.984	43	1233	2.041	ug/l #	84
31) Cyclohexane	7.795	56	3397	1.113	ug/l #	21
36) 1,1-Dichloropropene	7.789	75	13035	4.279	ug/l #	50
38) Carbon Tetrachloride	7.789	117	17655	5.019	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	65387	36.525	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	65387	100.024	ug/l #	13
95) Naphthalene	15.245	128	286	2.829	ug/l #	69

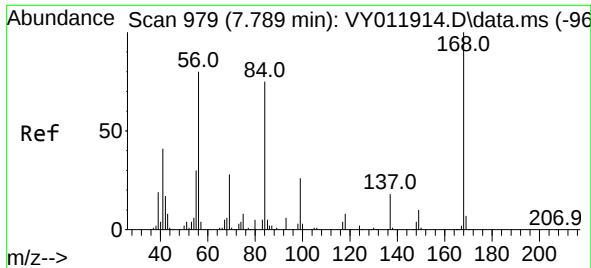
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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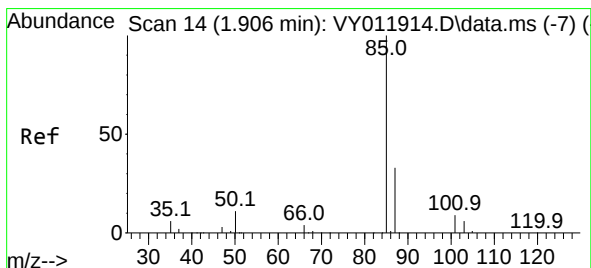
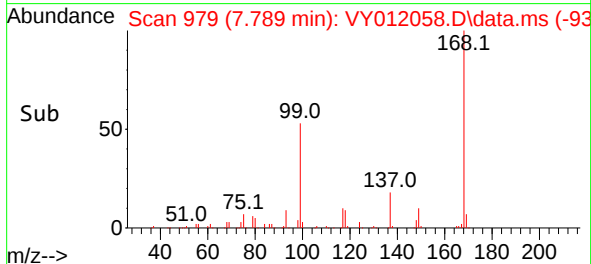
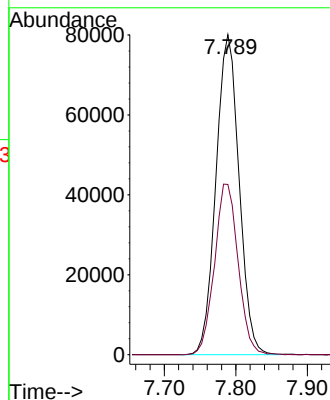
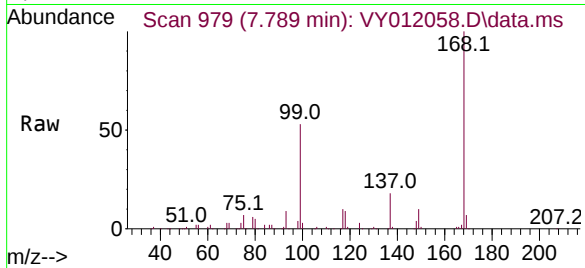




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012058.D
Acq: 03 Jan 2023 19:39

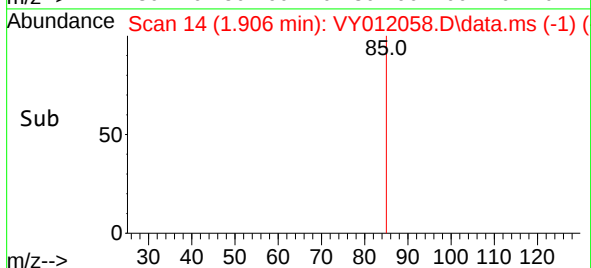
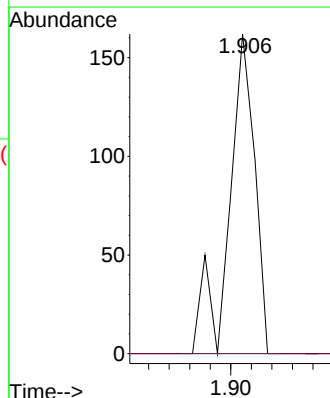
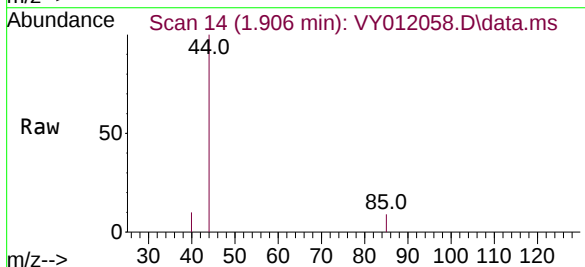
Instrument :
MSVOA_Y
ClientSampleId :
TP-C1

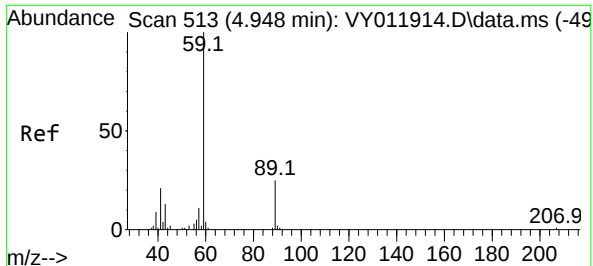
Tgt Ion:168 Resp: 179981
Ion Ratio Lower Upper
168 100
99 53.2 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.561 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012058.D
Acq: 03 Jan 2023 19:39

Tgt Ion: 85 Resp: 142
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.930 min Scan# 513

Delta R.T. -0.018 min

Lab File: VY012058.D

Acq: 03 Jan 2023 19:39

Instrument :

MSVOA_Y

ClientSampleId :

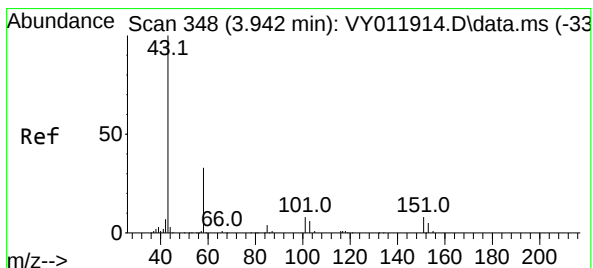
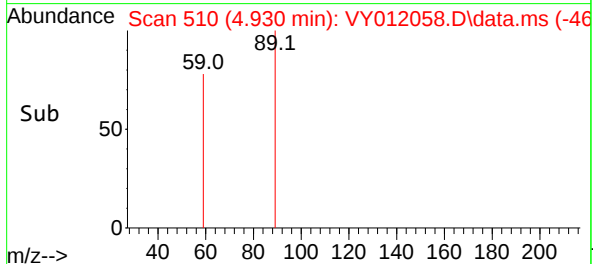
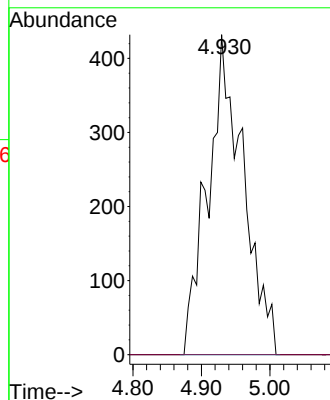
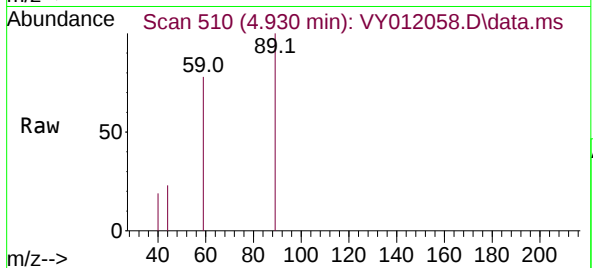
TP-C1

Tgt Ion: 59 Resp: 1556

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 8.422 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY012058.D

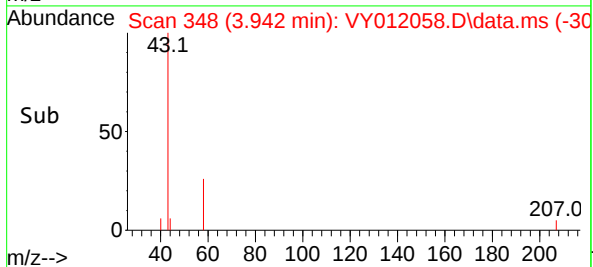
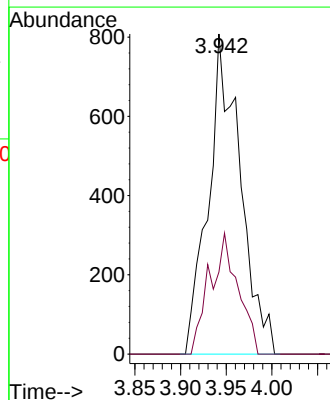
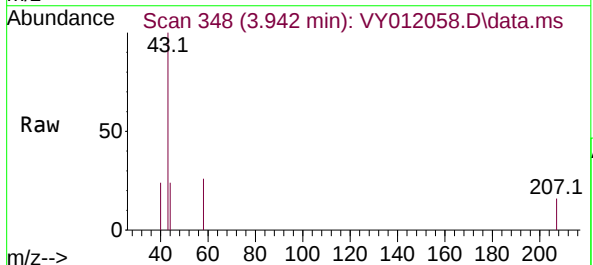
Acq: 03 Jan 2023 19:39

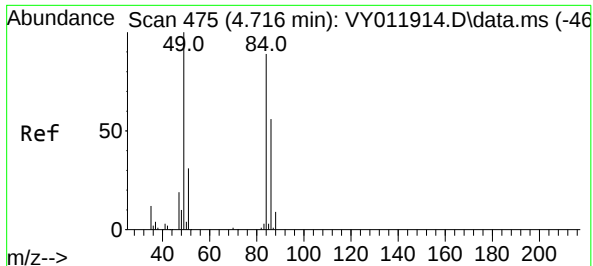
Tgt Ion: 43 Resp: 1959

Ion Ratio Lower Upper

43 100

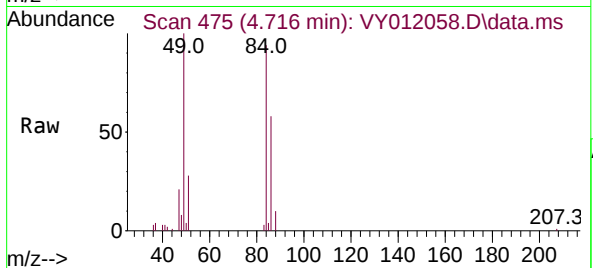
58 25.6 27.9 41.9#



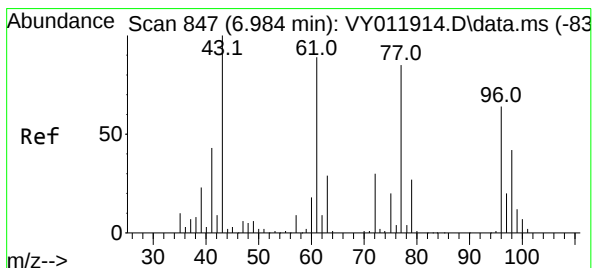
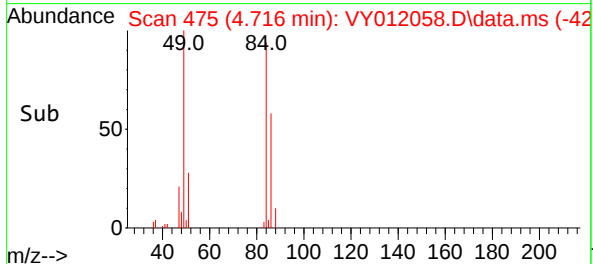
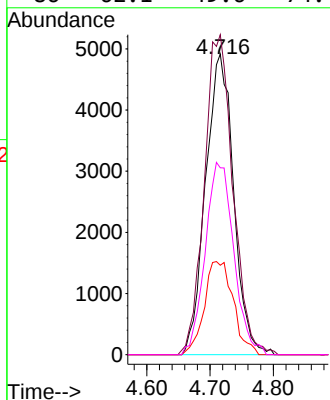


#20
Methylene Chloride
Concen: 1.392 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012058.D
Acq: 03 Jan 2023 19:39

Instrument :
MSVOA_Y
ClientSampleId :
TP-C1

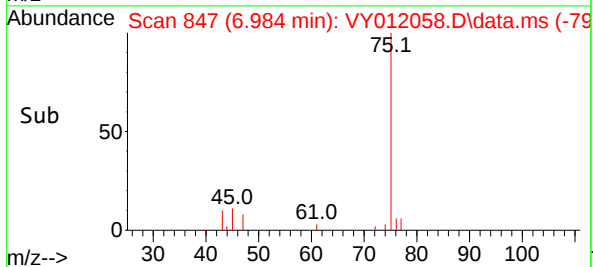
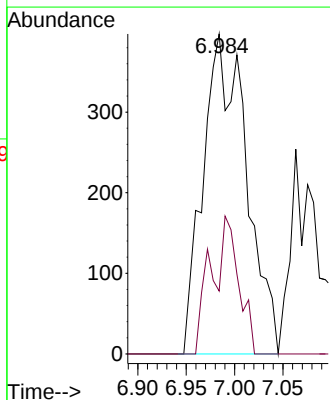
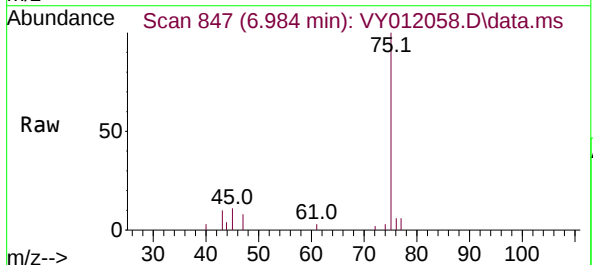


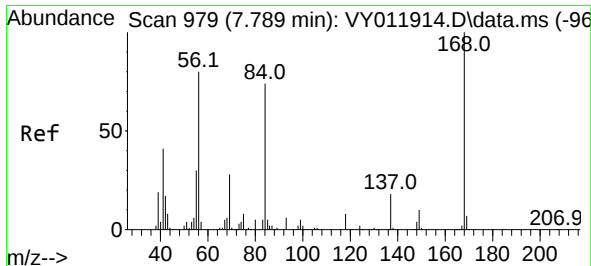
Tgt Ion:	84	Resp:	15127
Ion	Ratio	Lower	Upper
84	100		
49	106.4	95.4	143.2
51	29.8	29.9	44.9#
86	62.1	49.6	74.4



#25
2-Butanone
Concen: 2.041 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY012058.D
Acq: 03 Jan 2023 19:39

Tgt Ion:	43	Resp:	1233
Ion	Ratio	Lower	Upper
43	100		
72	19.6	22.6	34.0#

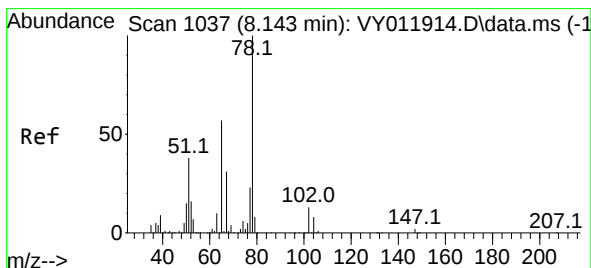
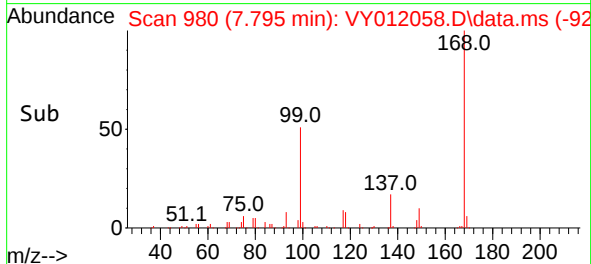
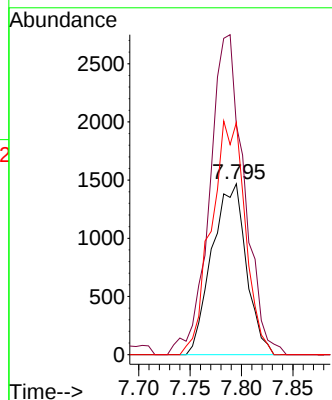
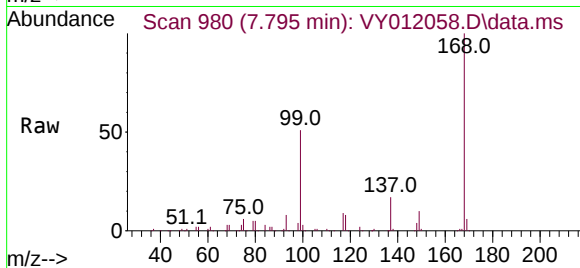




#31
Cyclohexane
Concen: 1.113 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY012058.D
Acq: 03 Jan 2023 19:39

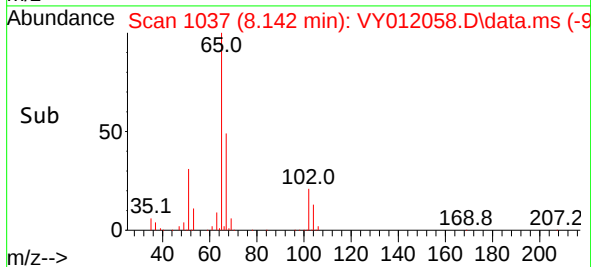
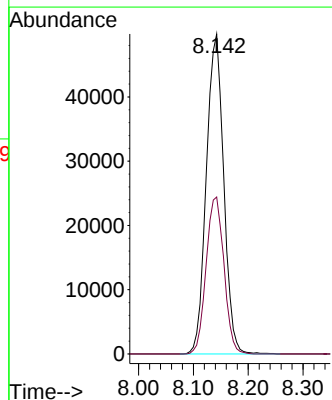
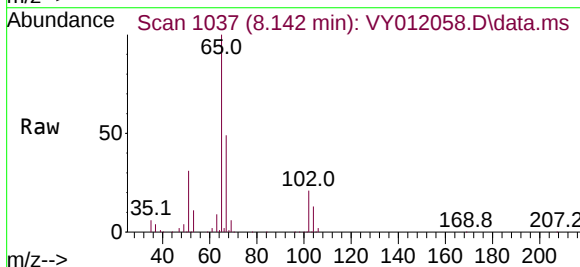
Instrument :
MSVOA_Y
ClientSampleId :
TP-C1

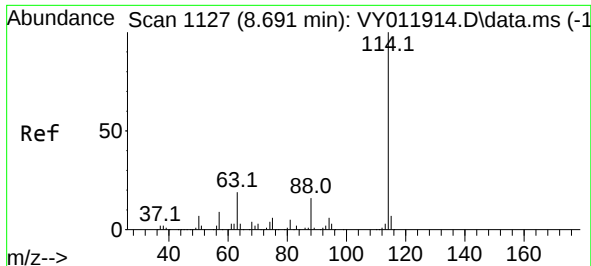
Tgt Ion: 56 Resp: 3397
Ion Ratio Lower Upper
56 100
69 129.7 29.2 43.8#
84 135.8 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 60.330 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012058.D
Acq: 03 Jan 2023 19:39

Tgt Ion: 65 Resp: 109394
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: VY012058.D

Acq: 03 Jan 2023 19:39

Instrument :

MSVOA_Y

ClientSampleId :

TP-C1

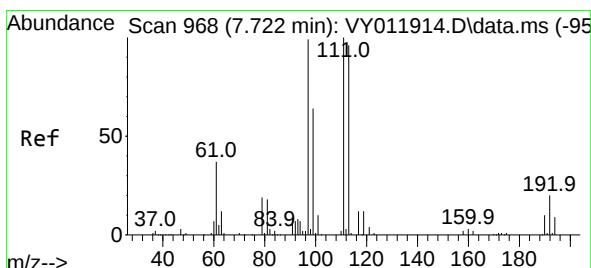
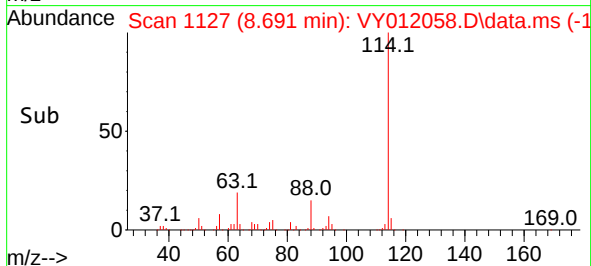
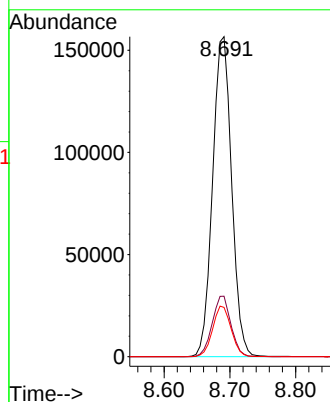
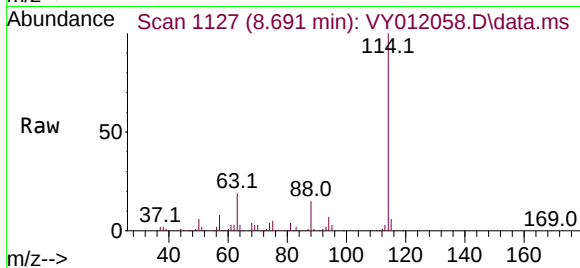
Tgt Ion:114 Resp: 315429

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 15.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 51.562 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012058.D

Acq: 03 Jan 2023 19:39

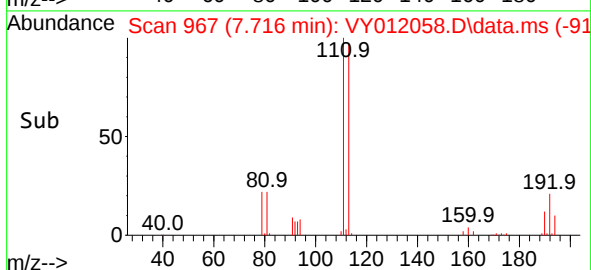
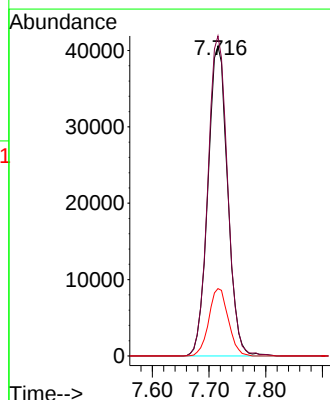
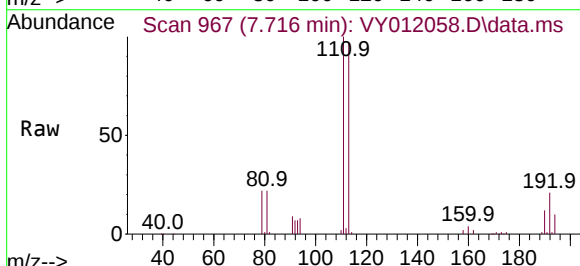
Tgt Ion:113 Resp: 97914

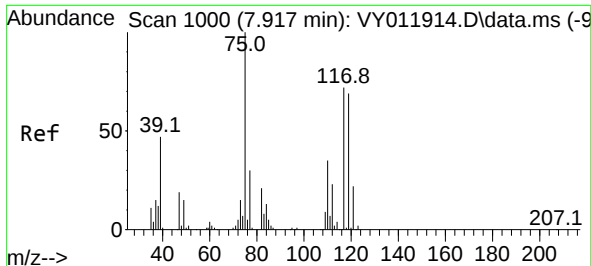
Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.4

192 21.4 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.279 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012058.D

Acq: 03 Jan 2023 19:39

Instrument :

MSVOA_Y

ClientSampleId :

TP-C1

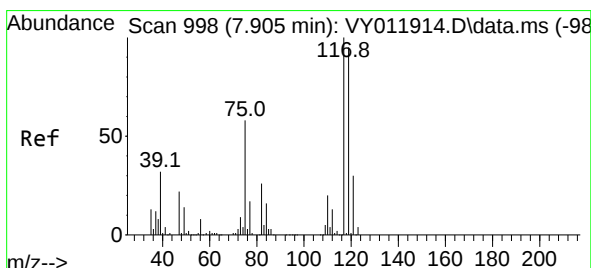
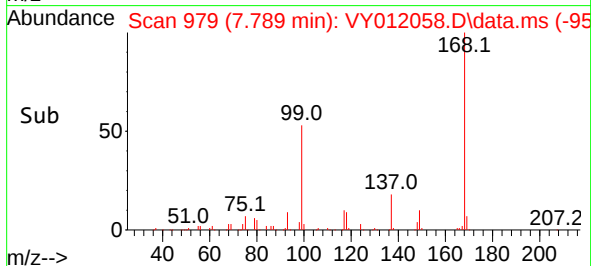
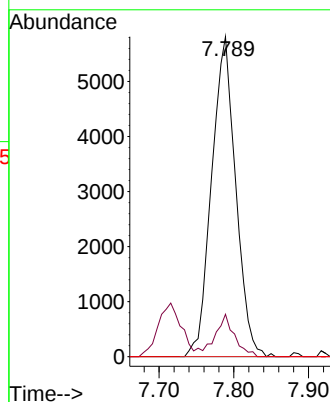
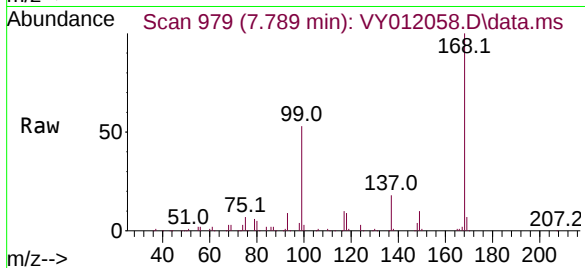
Tgt Ion: 75 Resp: 13035

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.019 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY012058.D

Acq: 03 Jan 2023 19:39

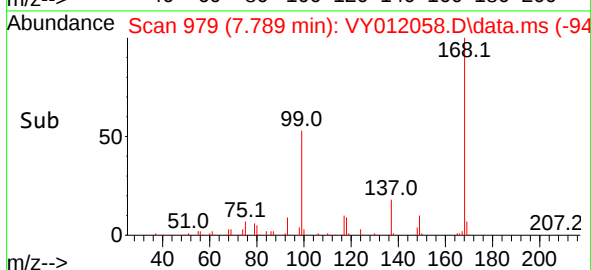
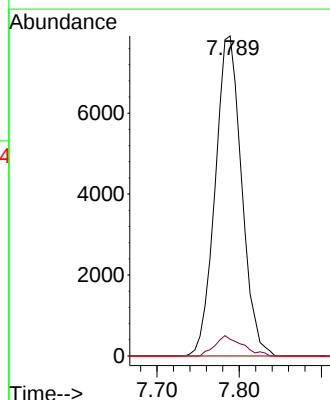
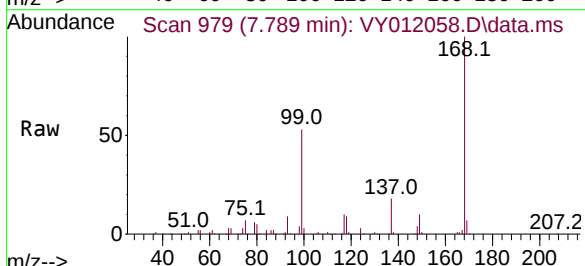
Tgt Ion: 117 Resp: 17655

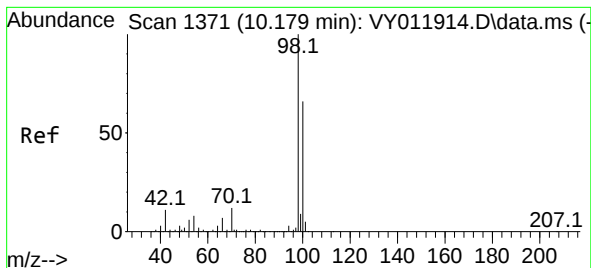
Ion Ratio Lower Upper

117 100

119 5.2 73.8 110.8#

121 0.0 25.2 37.8#

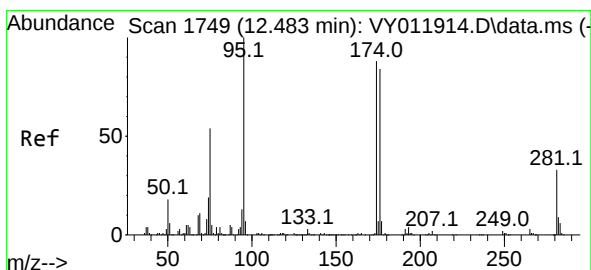
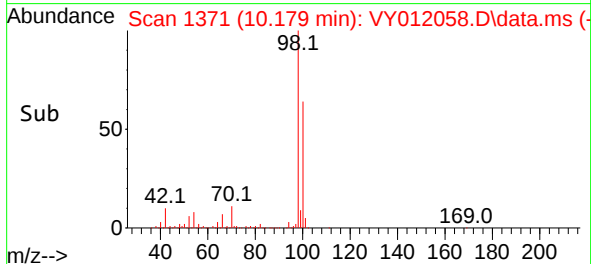
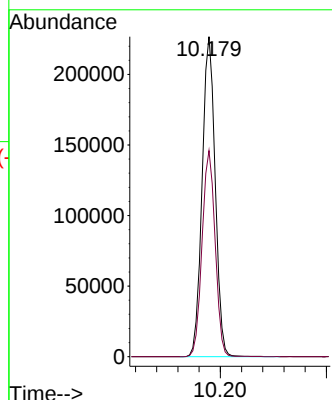
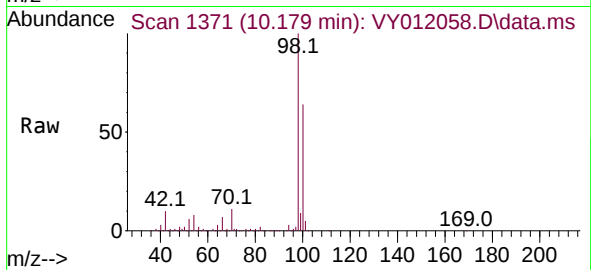




#50
Toluene-d8
Concen: 50.336 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012058.D
Acq: 03 Jan 2023 19:39

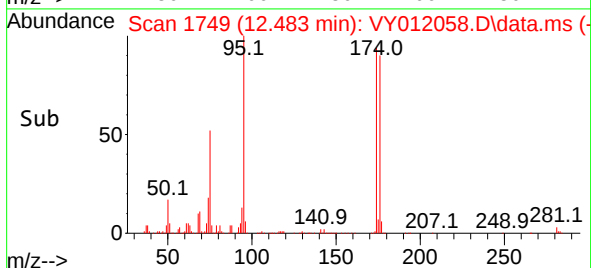
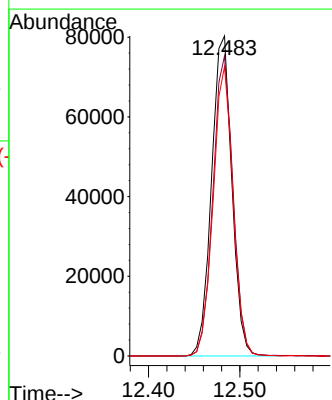
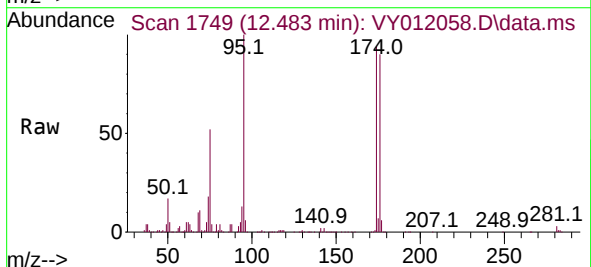
Instrument :
MSVOA_Y
ClientSampleId :
TP-C1

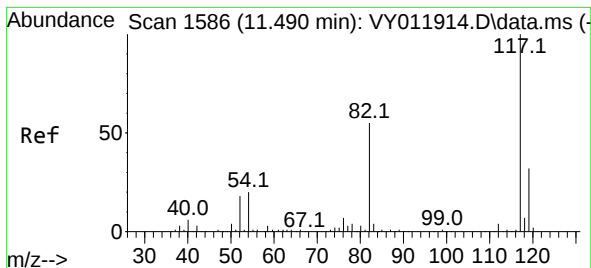
Tgt Ion: 98 Resp: 387815
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 47.793 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012058.D
Acq: 03 Jan 2023 19:39

Tgt Ion: 95 Resp: 123841
Ion Ratio Lower Upper
95 100
174 92.9 0.0 172.0
176 89.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012058.D

Acq: 03 Jan 2023 19:39

Instrument :

MSVOA_Y

ClientSampleId :

TP-C1

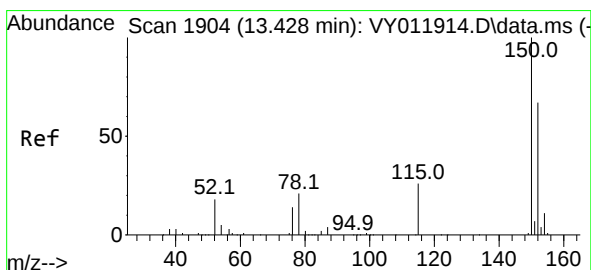
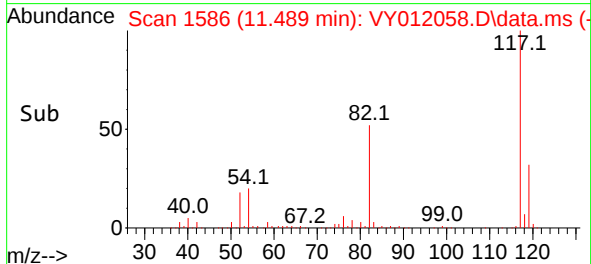
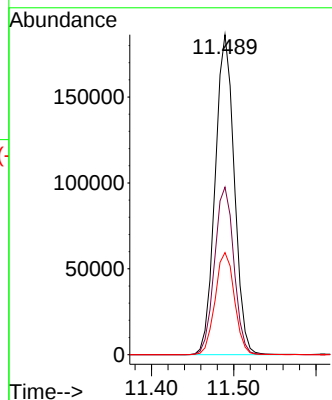
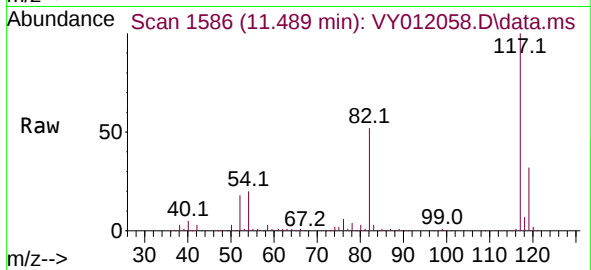
Tgt Ion:117 Resp: 300818

Ion Ratio Lower Upper

117 100

82 52.4 44.8 67.2

119 31.9 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY012058.D

Acq: 03 Jan 2023 19:39

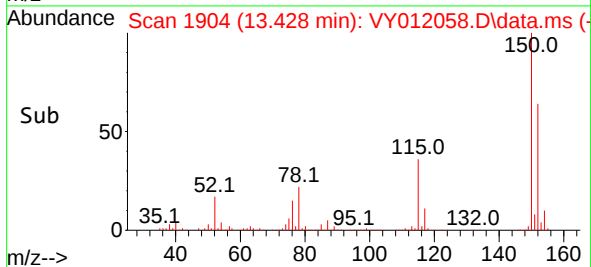
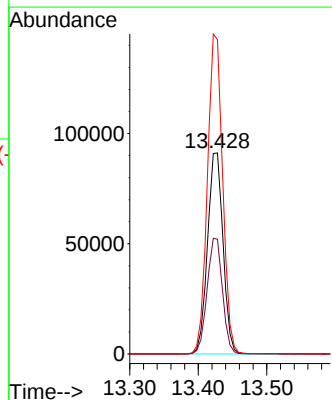
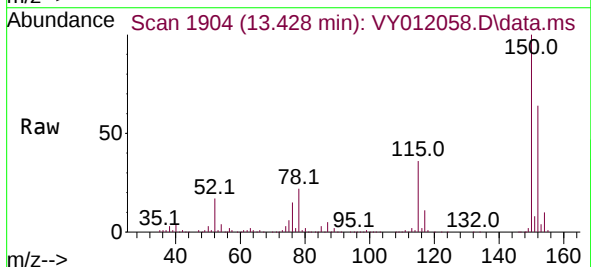
Tgt Ion:152 Resp: 143867

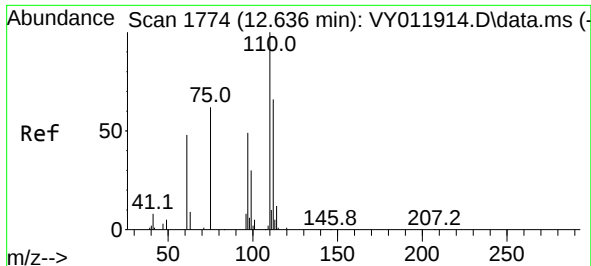
Ion Ratio Lower Upper

152 100

115 57.0 29.1 87.3

150 156.0 0.0 342.6

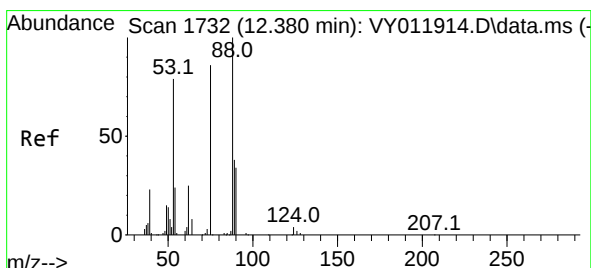
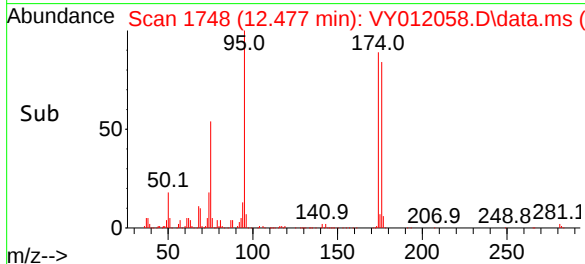
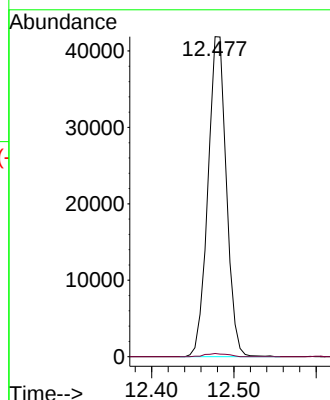
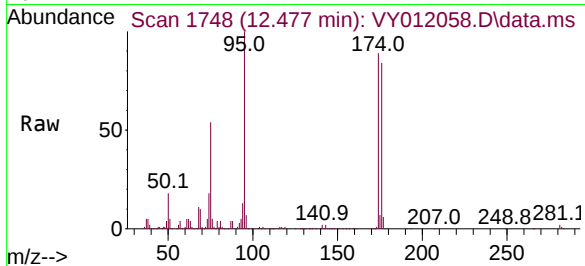




#76
1,2,3-Trichloropropane
Concen: 36.525 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY012058.D
Acq: 03 Jan 2023 19:39

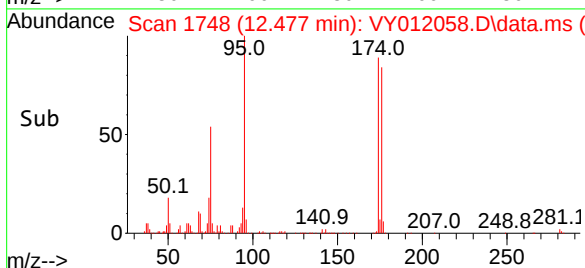
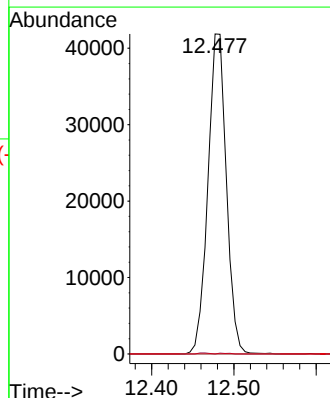
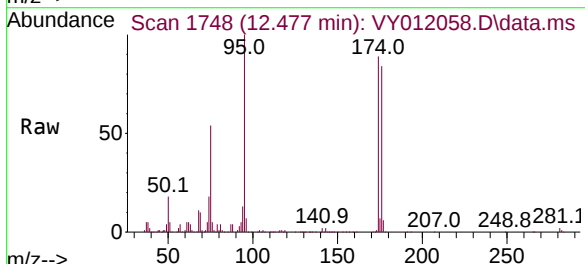
Instrument :
MSVOA_Y
ClientSampleId :
TP-C1

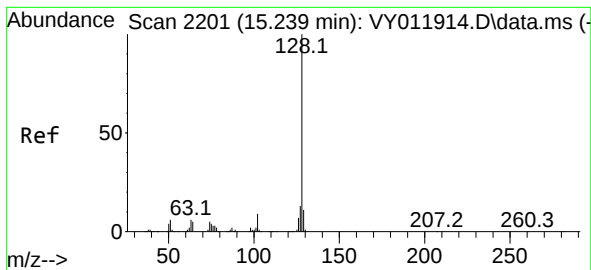
Tgt Ion: 75 Resp: 65387
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.024 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY012058.D
Acq: 03 Jan 2023 19:39

Tgt Ion: 75 Resp: 65387
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 2.829 ug/l

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY012058.D

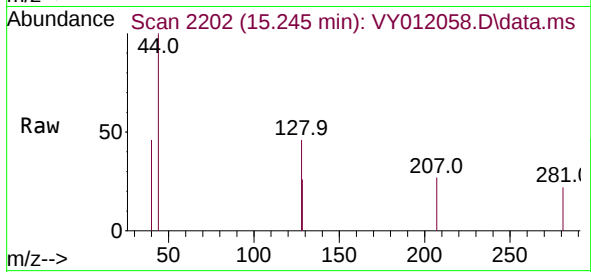
Acq: 03 Jan 2023 19:39

Instrument :

MSVOA_Y

ClientSampleId :

TP-C1



Tgt Ion:128 Resp: 286

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#

