

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010323\
 Data File : VY012043.D
 Acq On : 03 Jan 2023 13:48
 Operator : KP/MD
 Sample : N6248-12
 Misc : 11.42g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-20

Quant Time: Jan 04 01:17:34 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)

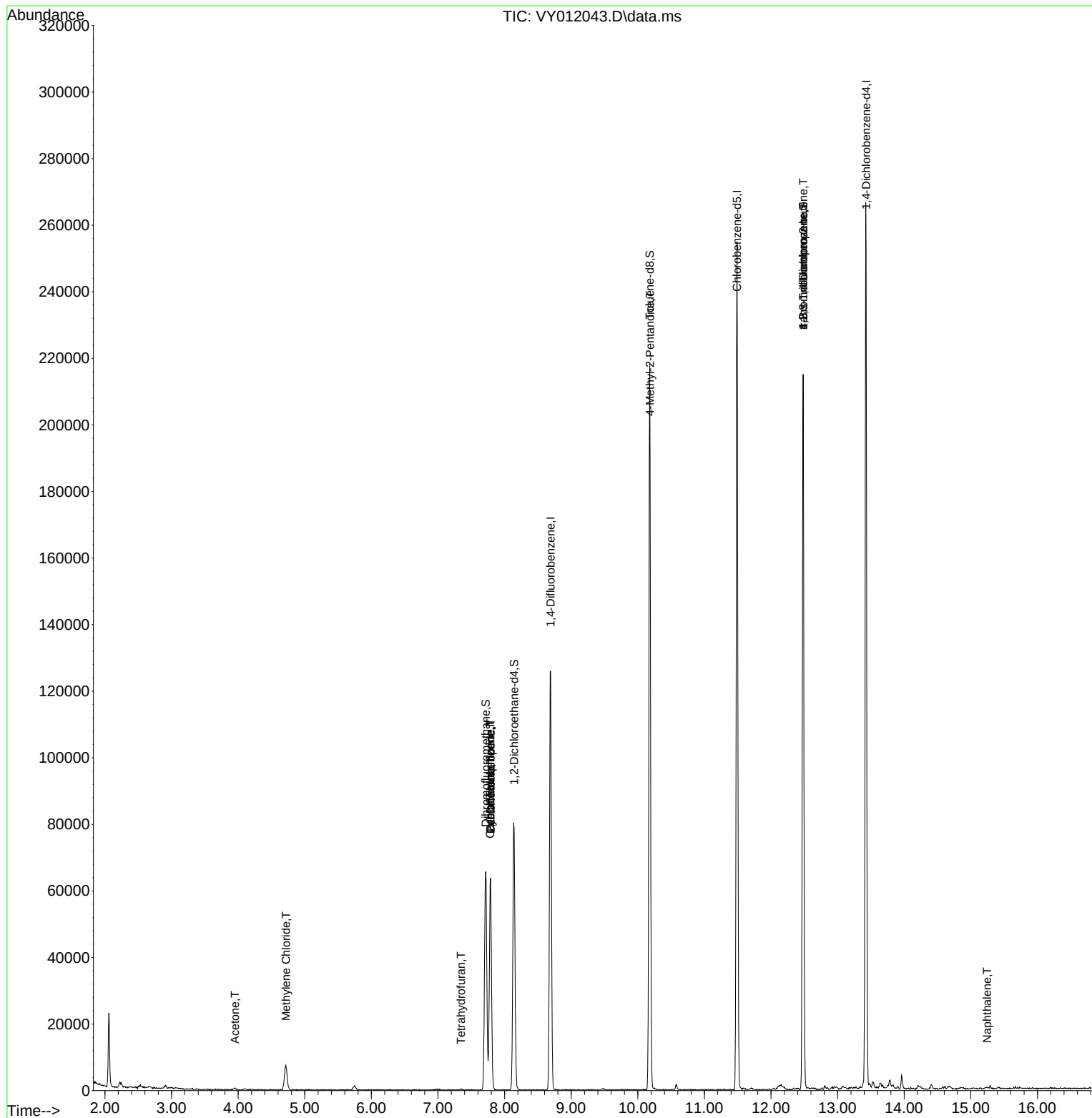
Internal Standards						
1) Pentafluorobenzene	7.789	168	49915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	111582	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	140754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	68098	135.415	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 270.840%#	
35) Dibromofluoromethane	7.716	113	46336	68.977	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 137.960%	
50) Toluene-d8	10.179	98	146852	53.881	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.760%	
62) 4-Bromofluorobenzene	12.483	95	62596	68.289	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 136.580%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	975	11.242	ug/l #	71
20) Methylene Chloride	4.716	84	5789	4.524	ug/l	86
29) Tetrahydrofuran	7.344	42	209	2.202	ug/l #	38
31) Cyclohexane	7.789	56	899	1.062	ug/l #	27
36) 1,1-Dichloropropene	7.789	75	3736	3.467	ug/l #	51
38) Carbon Tetrachloride	7.783	117	5074	4.077	ug/l #	17
51) 4-Methyl-2-Pentanone	10.185	43	549	1.166	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	33051	37.649	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	33051	103.101	ug/l #	13
95) Naphthalene	15.245	128	494	2.958	ug/l #	69

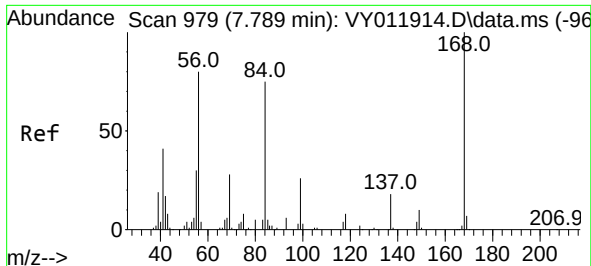
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 04 01:17:34 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

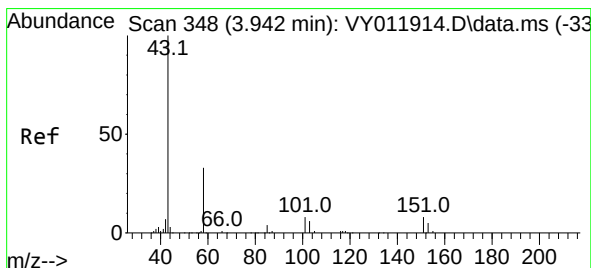
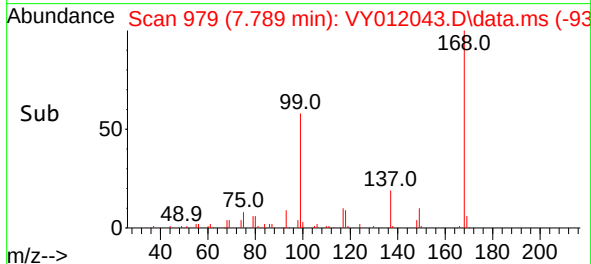
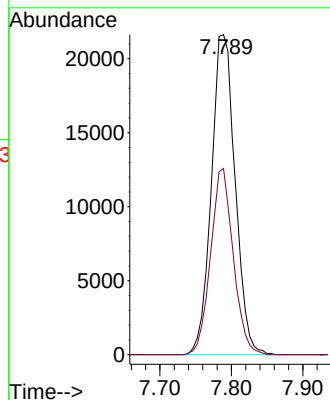
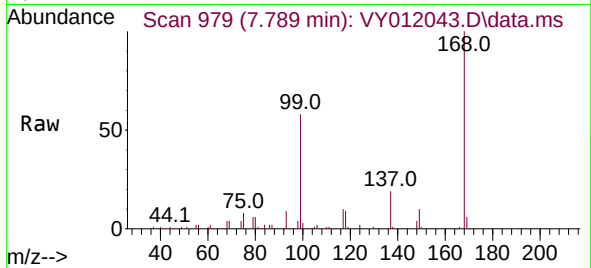




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012043.D
Acq: 03 Jan 2023 13:48

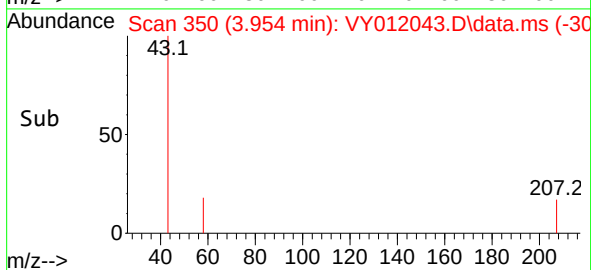
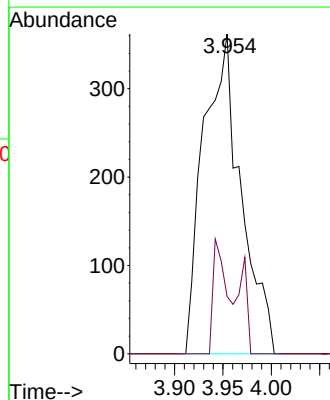
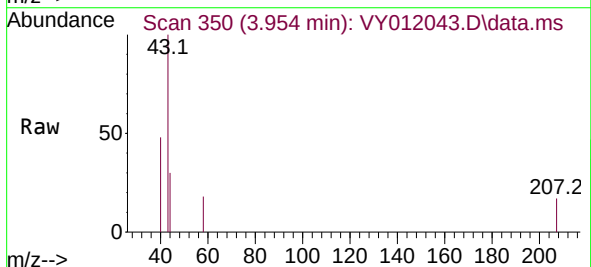
Instrument :
MSVOA_Y
ClientSampleId :
TP-20

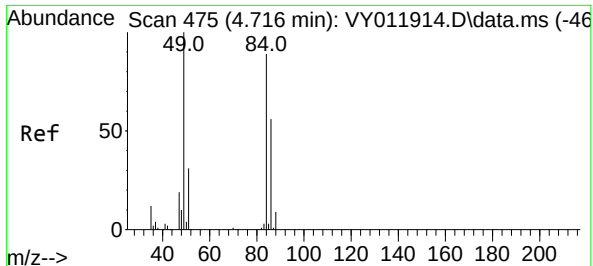
Tgt Ion:168 Resp: 49915
Ion Ratio Lower Upper
168 100
99 58.2 44.0 66.0



#16
Acetone
Concen: 11.242 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY012043.D
Acq: 03 Jan 2023 13:48

Tgt Ion: 43 Resp: 975
Ion Ratio Lower Upper
43 100
58 18.0 27.9 41.9#





#20

Methylene Chloride

Concen: 4.524 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY012043.D

Acq: 03 Jan 2023 13:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-20

Tgt Ion: 84 Resp: 5789

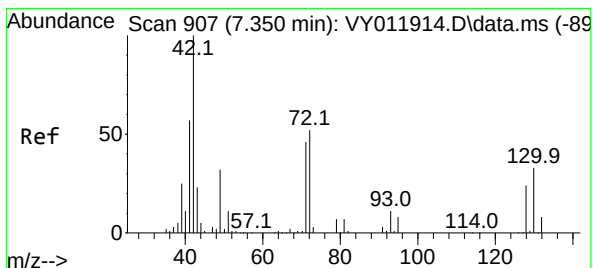
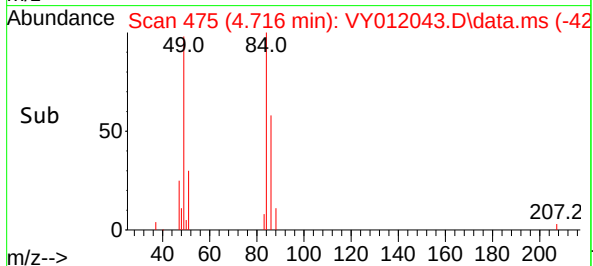
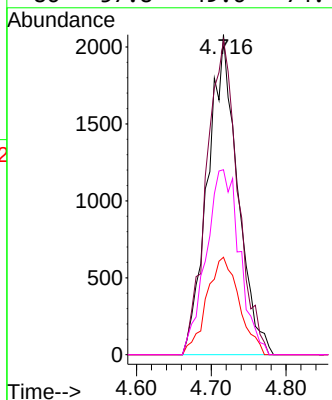
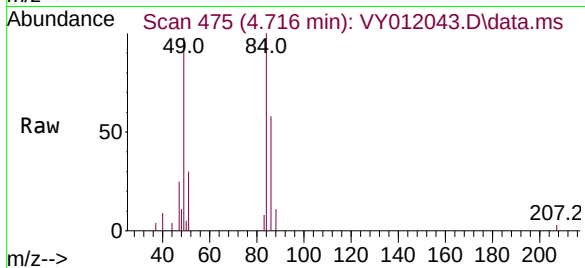
Ion Ratio Lower Upper

84 100

49 98.4 95.4 143.2

51 30.5 29.9 44.9

86 57.8 49.6 74.4



#29

Tetrahydrofuran

Concen: 2.202 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY012043.D

Acq: 03 Jan 2023 13:48

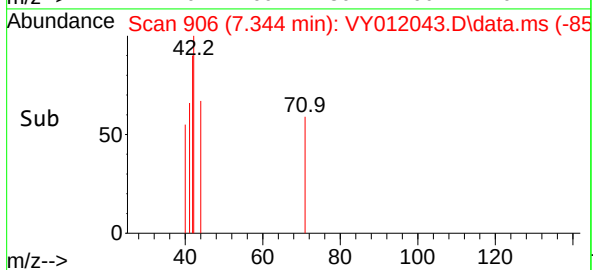
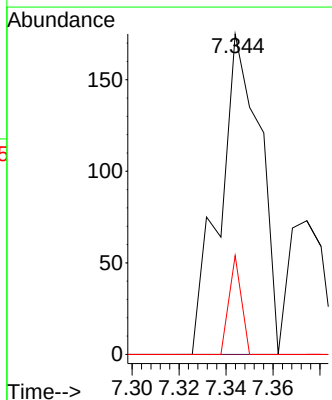
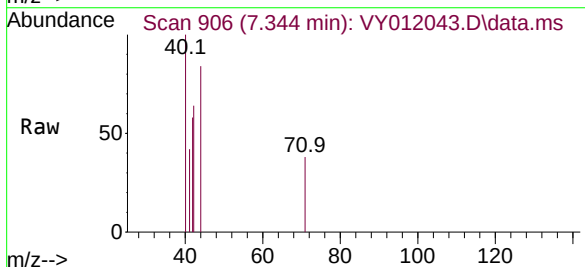
Tgt Ion: 42 Resp: 209

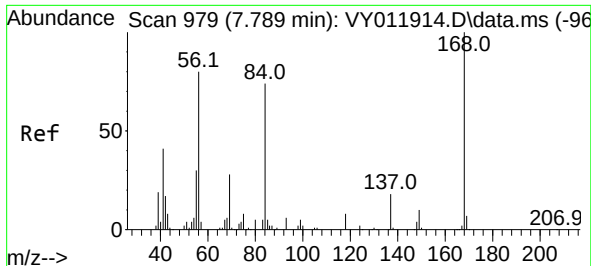
Ion Ratio Lower Upper

42 100

72 0.0 37.0 55.6#

71 9.6 34.9 52.3#

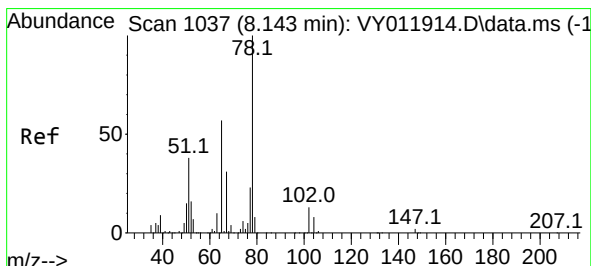
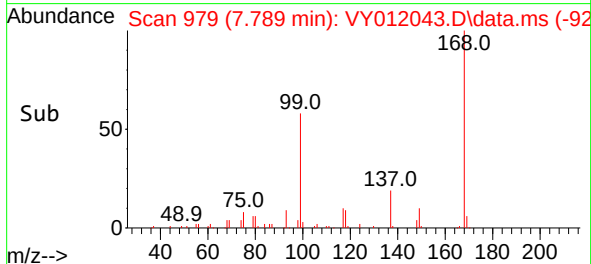
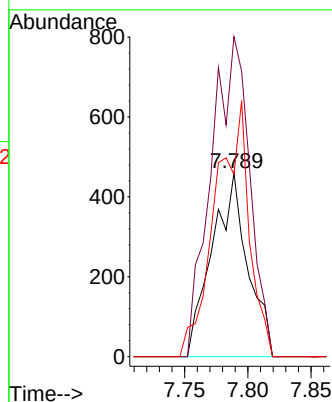
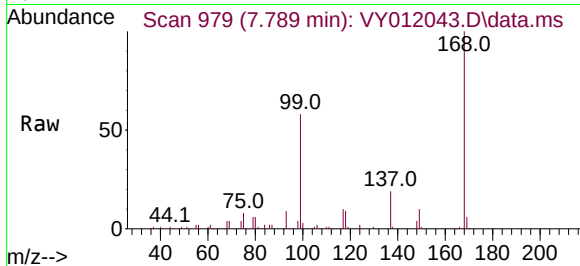




#31
Cyclohexane
Concen: 1.062 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012043.D
Acq: 03 Jan 2023 13:48

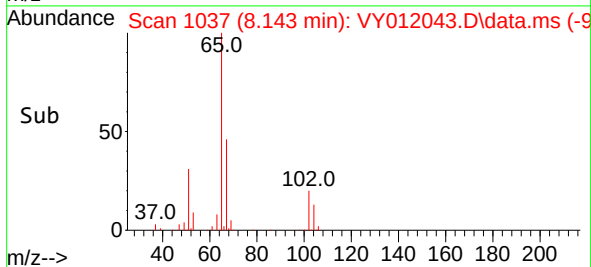
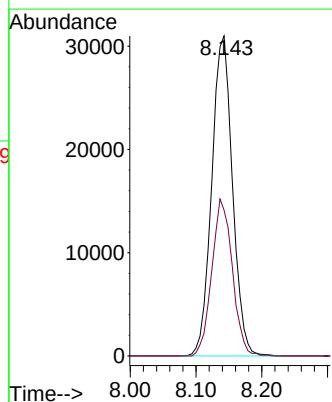
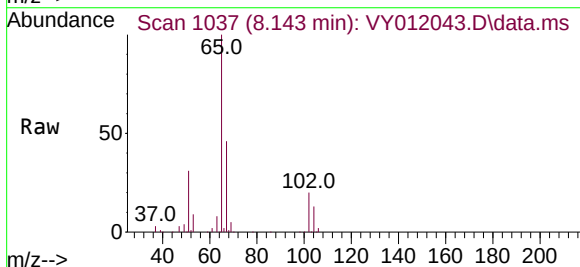
Instrument :
MSVOA_Y
ClientSampleId :
TP-20

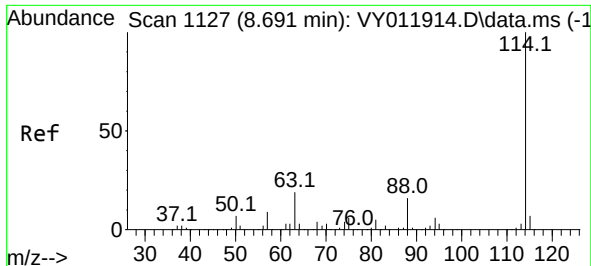
Tgt Ion: 56 Resp: 899
Ion Ratio Lower Upper
56 100
69 174.1 29.2 43.8#
84 99.1 72.6 108.8



#33
1,2-Dichloroethane-d4
Concen: 135.415 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012043.D
Acq: 03 Jan 2023 13:48

Tgt Ion: 65 Resp: 68098
Ion Ratio Lower Upper
65 100
67 48.6 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: VY012043.D

Acq: 03 Jan 2023 13:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-20

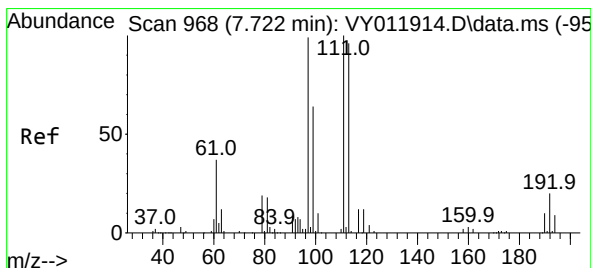
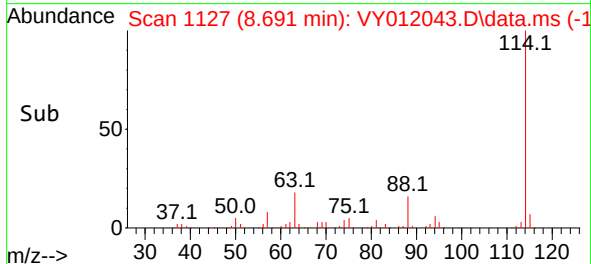
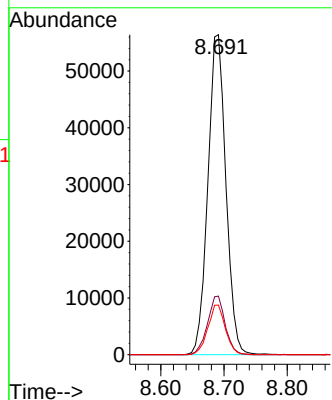
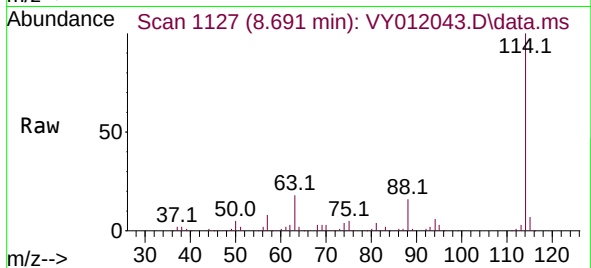
Tgt Ion:114 Resp: 111582

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 15.5 0.0 32.2



#35

Dibromofluoromethane

Concen: 68.977 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012043.D

Acq: 03 Jan 2023 13:48

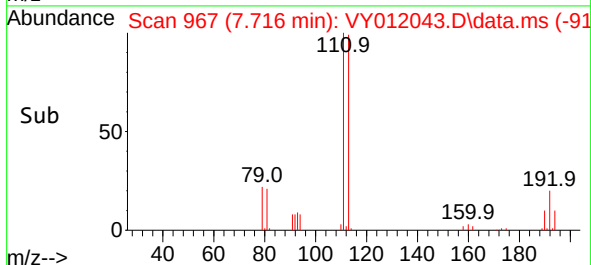
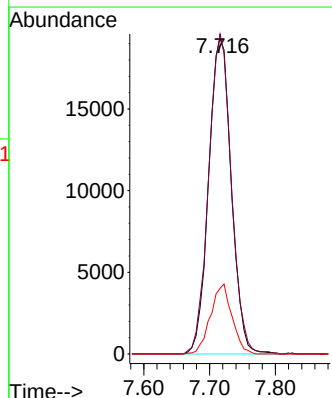
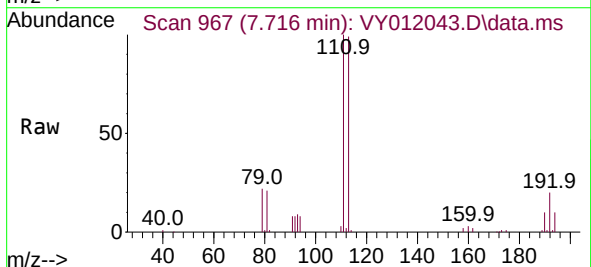
Tgt Ion:113 Resp: 46336

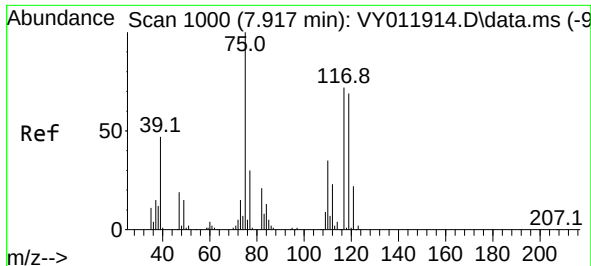
Ion Ratio Lower Upper

113 100

111 101.5 83.0 124.4

192 21.0 16.0 24.0





#36

1,1-Dichloropropene

Concen: 3.467 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012043.D

Acq: 03 Jan 2023 13:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-20

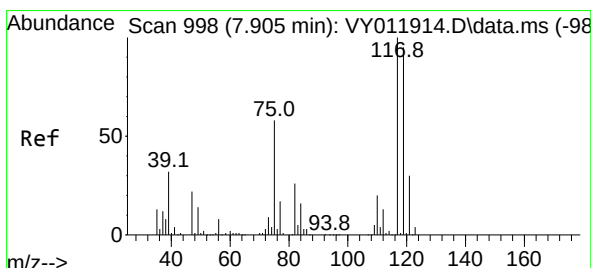
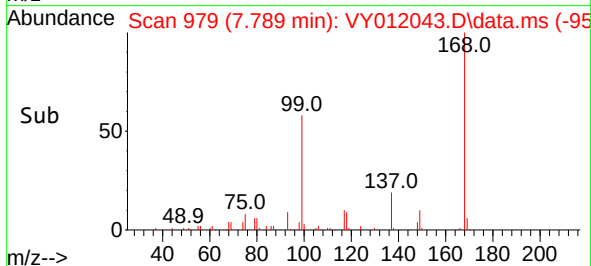
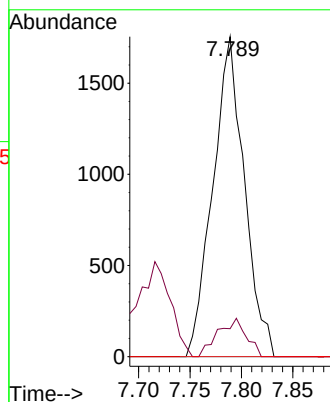
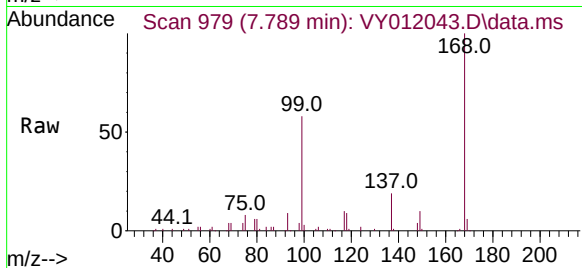
Tgt Ion: 75 Resp: 3736

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.077 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.122 min

Lab File: VY012043.D

Acq: 03 Jan 2023 13:48

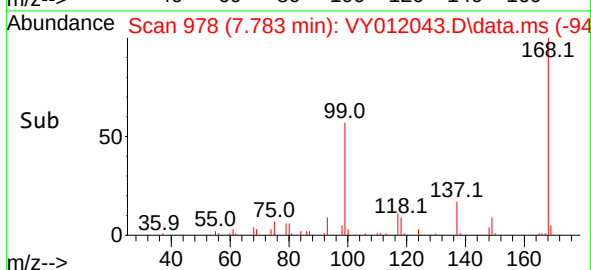
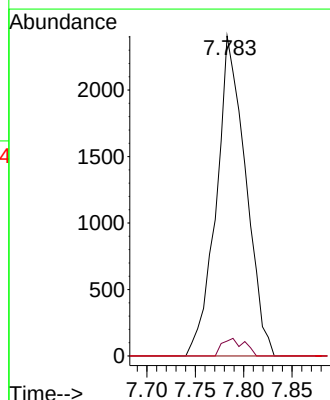
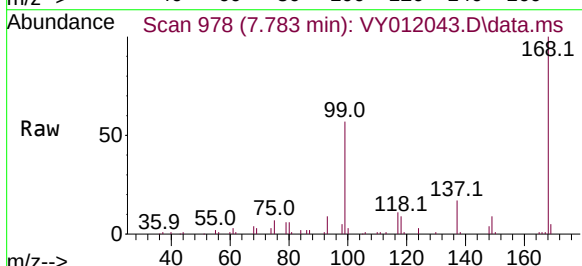
Tgt Ion: 117 Resp: 5074

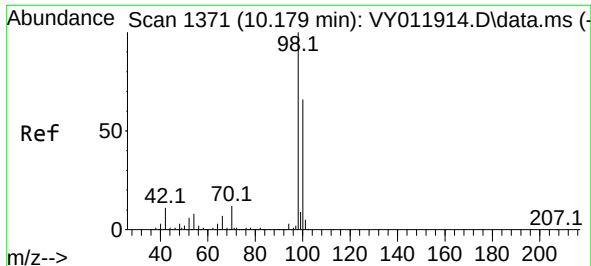
Ion Ratio Lower Upper

117 100

119 4.7 73.8 110.8#

121 0.0 25.2 37.8#

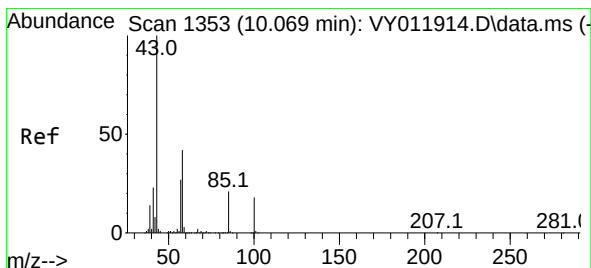
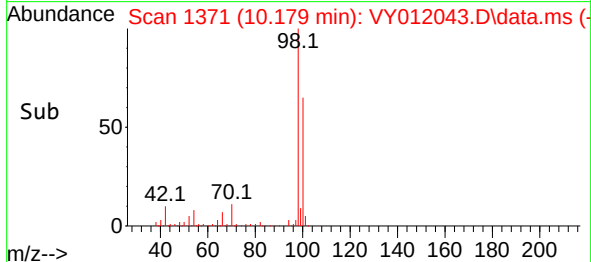
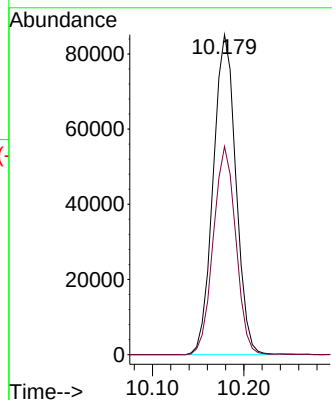
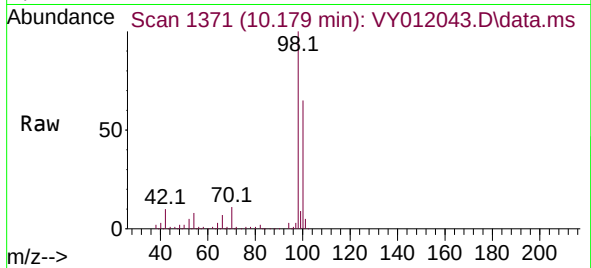




#50
Toluene-d8
Concen: 53.881 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012043.D
Acq: 03 Jan 2023 13:48

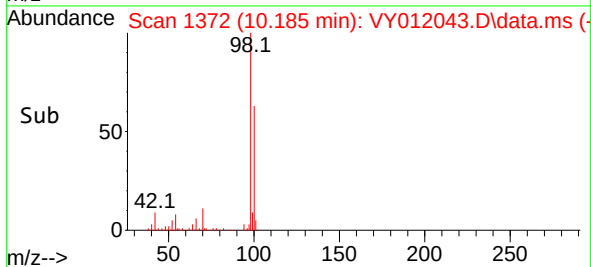
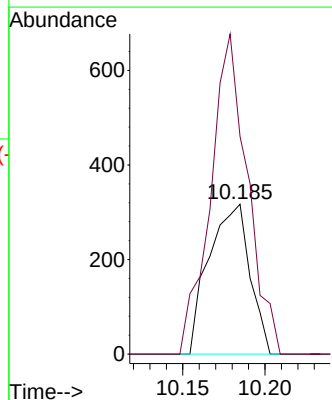
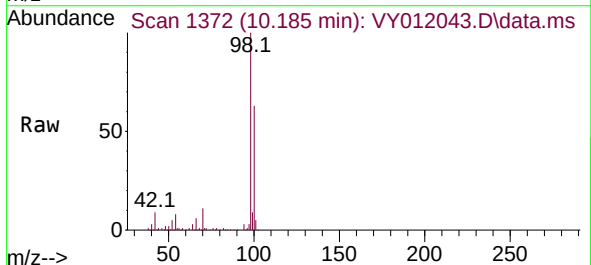
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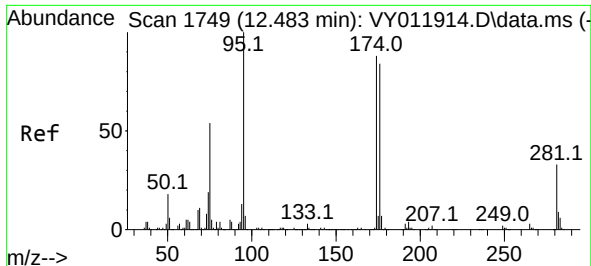
Tgt Ion: 98 Resp: 146852
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.166 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.116 min
Lab File: VY012043.D
Acq: 03 Jan 2023 13:48

Tgt Ion: 43 Resp: 549
Ion Ratio Lower Upper
43 100
58 193.3 32.9 49.3#

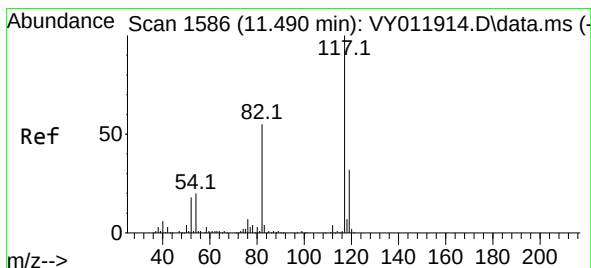
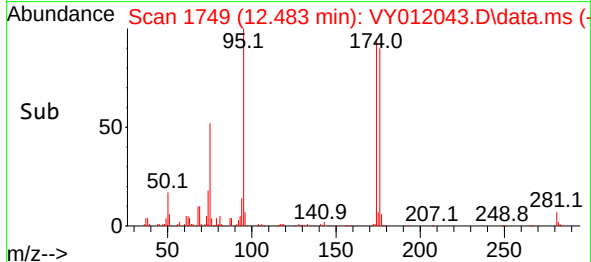
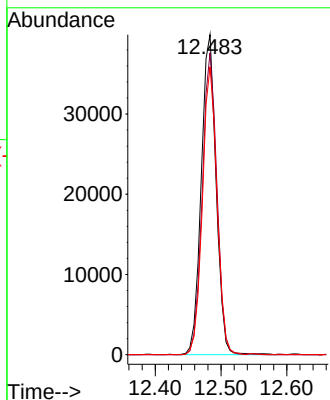
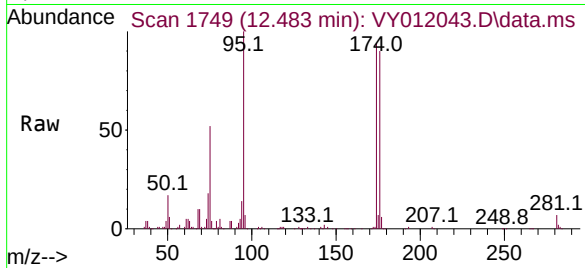




#62
4-Bromofluorobenzene
Concen: 68.289 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012043.D
Acq: 03 Jan 2023 13:48

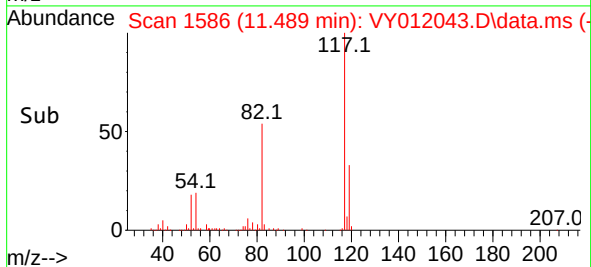
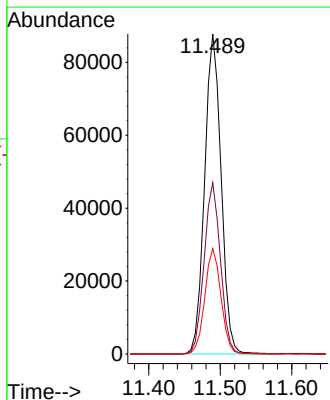
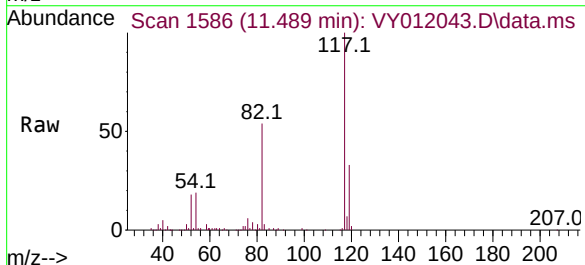
Instrument :
MSVOA_Y
ClientSampleId :
TP-20

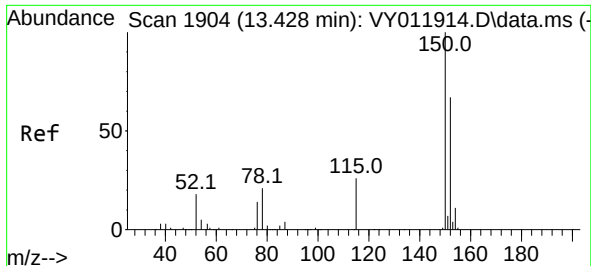
Tgt Ion: 95 Resp: 62596
Ion Ratio Lower Upper
95 100
174 93.2 0.0 172.0
176 88.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012043.D
Acq: 03 Jan 2023 13:48

Tgt Ion: 117 Resp: 140754
Ion Ratio Lower Upper
117 100
82 53.5 44.8 67.2
119 32.9 25.4 38.2

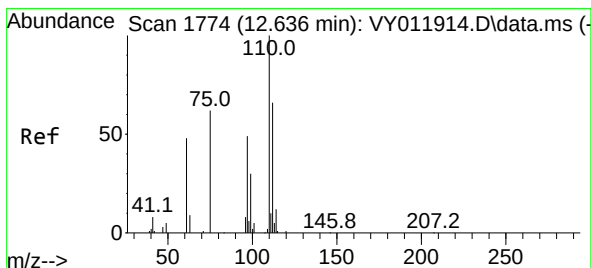
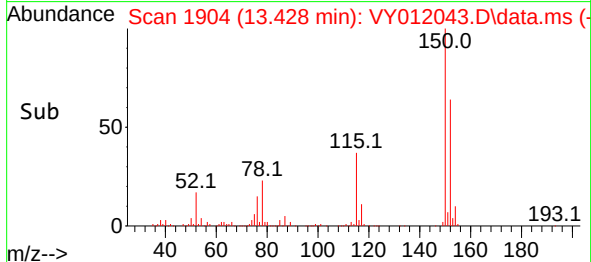
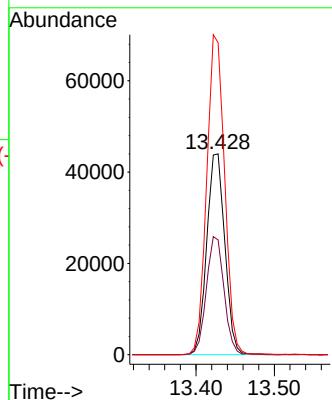
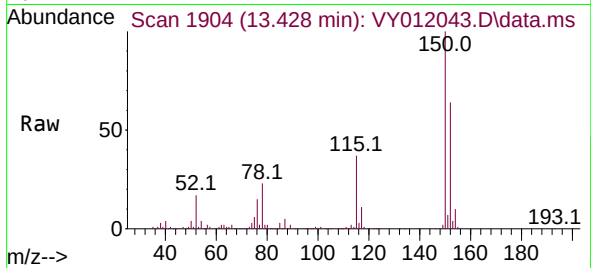




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY012043.D
 Acq: 03 Jan 2023 13:48

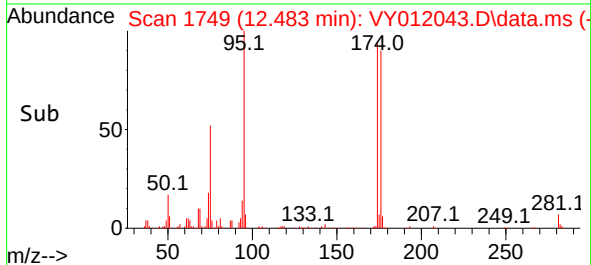
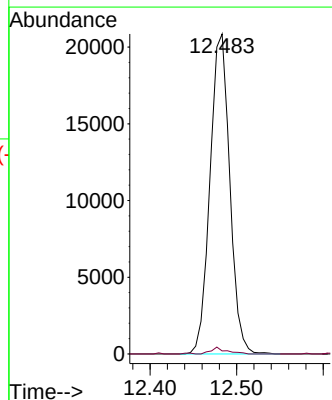
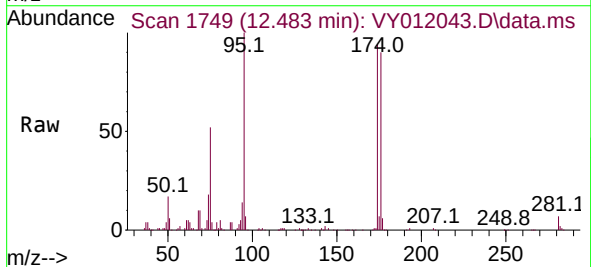
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-20

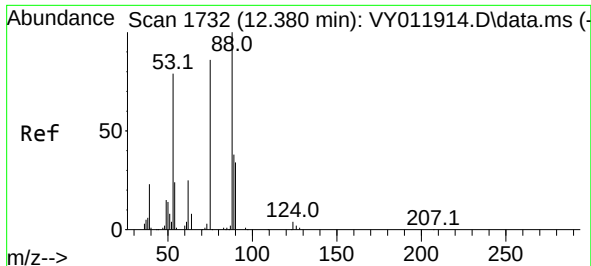
Tgt Ion:152 Resp: 70550
 Ion Ratio Lower Upper
 152 100
 115 57.6 29.1 87.3
 150 157.4 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 37.649 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012043.D
 Acq: 03 Jan 2023 13:48

Tgt Ion: 75 Resp: 33051
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

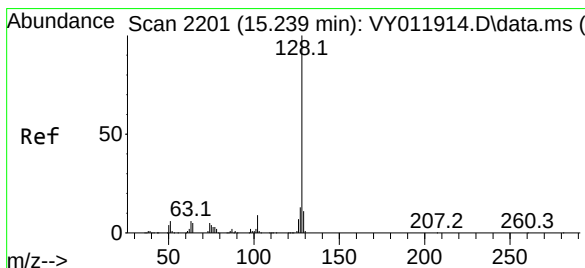
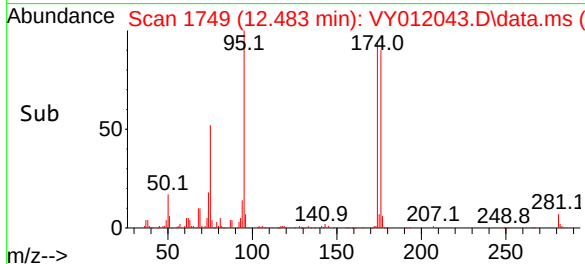
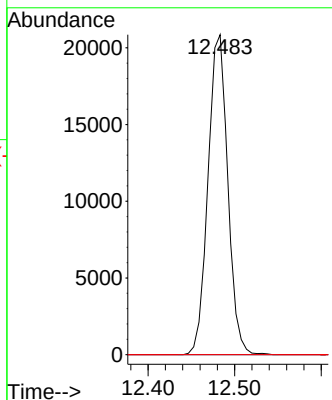
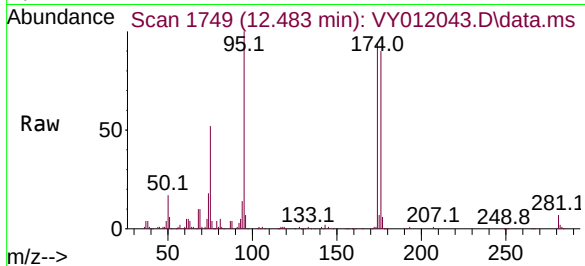




#81
trans-1,4-Dichloro-2-butene
Concen: 103.101 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY012043.D
Acq: 03 Jan 2023 13:48

Instrument :
MSVOA_Y
ClientSampleId :
TP-20

Tgt Ion: 75 Resp: 33051
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 2.958 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY012043.D
Acq: 03 Jan 2023 13:48

Tgt Ion: 128 Resp: 494
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

