

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011623\
 Data File : VY012208.D
 Acq On : 16 Jan 2023 18:42
 Operator : KP/MD
 Sample : 01125-01RE
 Misc : 4.17g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-04-SB01RE

Quant Time: Jan 17 04:50:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	105467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	161446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	119859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	32399	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	49836	57.606	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.220%
35) Dibromofluoromethane	7.716	113	44917	52.543	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.080%
50) Toluene-d8	10.179	98	182138	62.583	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	125.160%
62) 4-Bromofluorobenzene	12.483	95	36357	30.170	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	60.340%

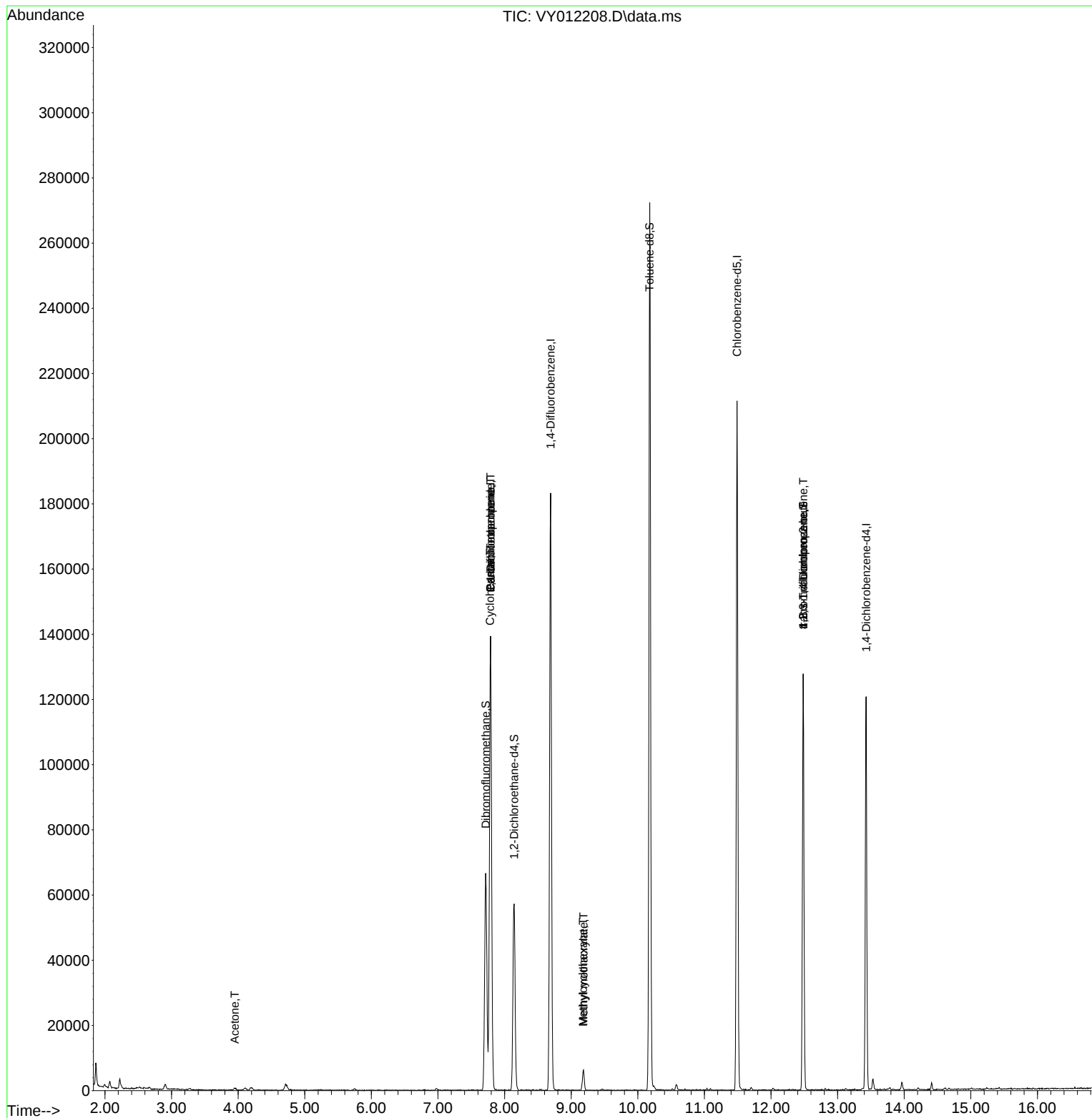
Target Compounds					Qvalue
11) Tert butyl alcohol	4.948	59	44	Below Cal	# 74
16) Acetone	3.948	43	1048	3.569	ug/l # 81
20) Methylene Chloride	4.728	84	1551	Below Cal	# 69
31) Cyclohexane	7.783	56	2964	1.928	ug/l # 31
36) 1,1-Dichloropropene	7.789	75	7155	4.925	ug/l # 50
38) Carbon Tetrachloride	7.789	117	10853	5.784	ug/l # 17
39) Methylcyclohexane	9.179	83	2740	1.543	ug/l 90
48) Methyl methacrylate	9.185	41	977	1.779	ug/l # 76
76) 1,2,3-Trichloropropane	12.483	75	19299	64.779	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.483	75	19299	133.473	ug/l # 13

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

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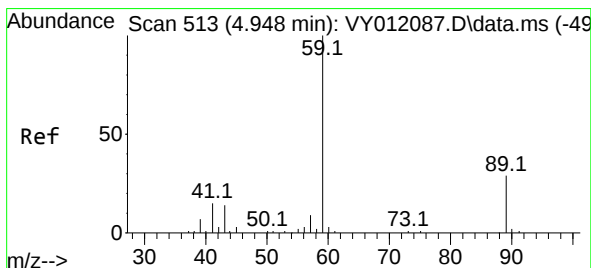
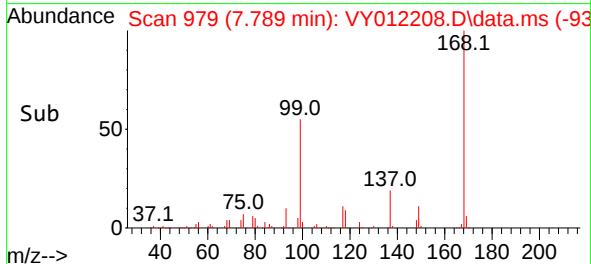
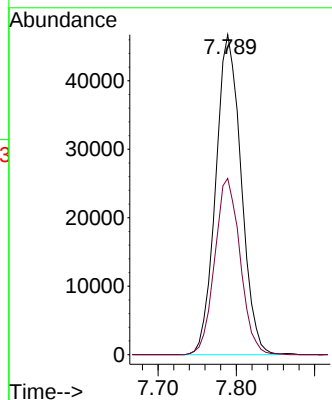
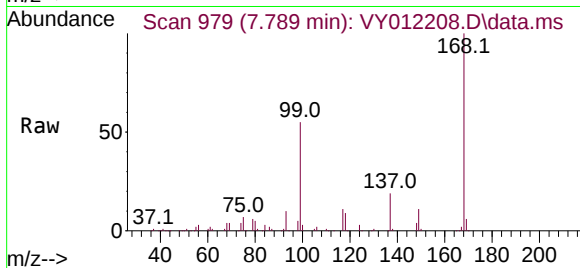




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012208.D
Acq: 16 Jan 2023 18:42

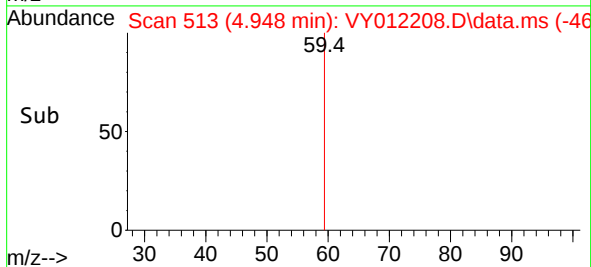
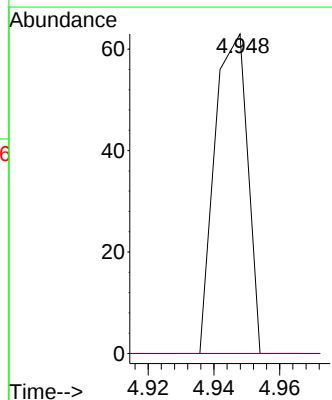
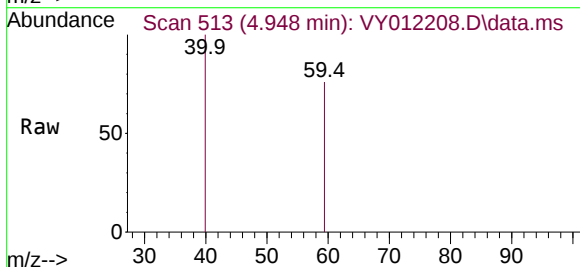
Instrument :
MSVOA_Y
ClientSampleId :
B-04-SB01RE

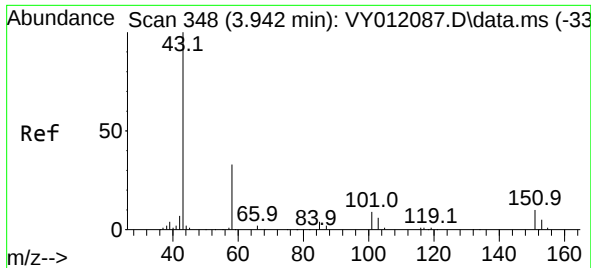
Tgt Ion:168 Resp: 105467
Ion Ratio Lower Upper
168 100
99 55.1 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY012208.D
Acq: 16 Jan 2023 18:42

Tgt Ion: 59 Resp: 44
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 3.569 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012208.D

Acq: 16 Jan 2023 18:42

Instrument :

MSVOA_Y

ClientSampleId :

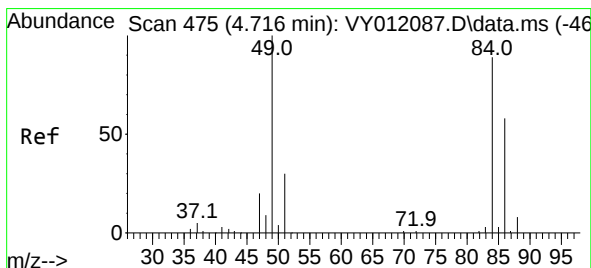
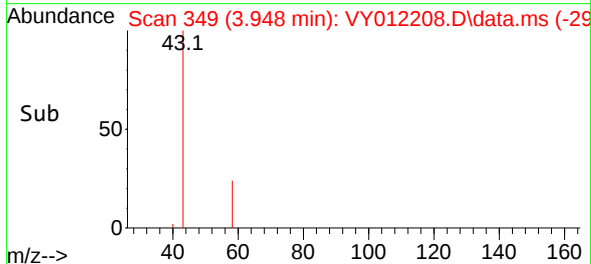
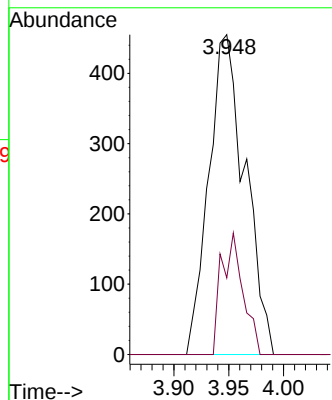
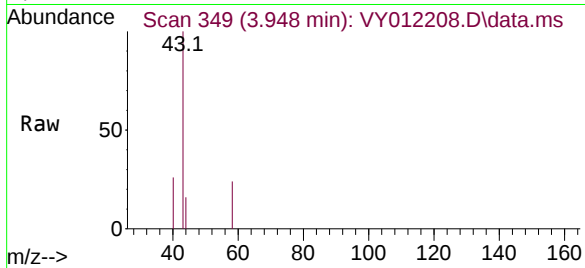
B-04-SB01RE

Tgt Ion: 43 Resp: 1048

Ion Ratio Lower Upper

43 100

58 24.0 27.9 41.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.728 min Scan# 477

Delta R.T. 0.012 min

Lab File: VY012208.D

Acq: 16 Jan 2023 18:42

Tgt Ion: 84 Resp: 1551

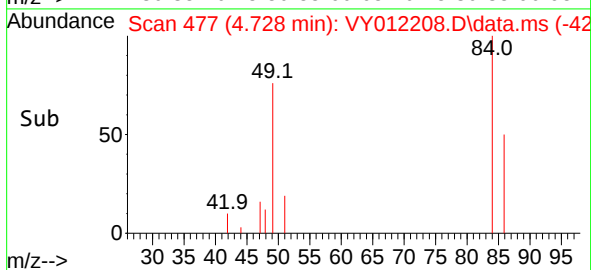
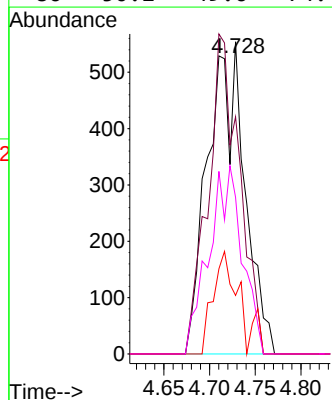
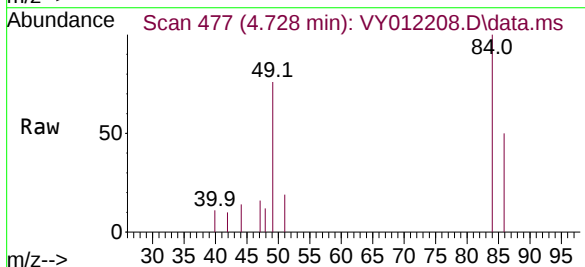
Ion Ratio Lower Upper

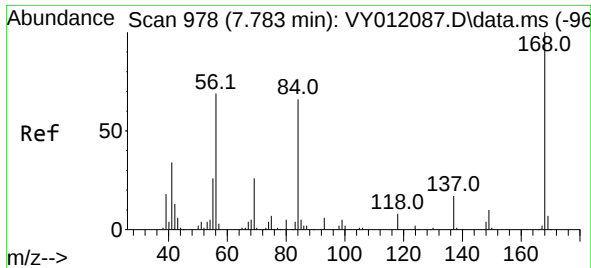
84 100

49 76.0 95.4 143.2#

51 18.8 29.9 44.9#

86 50.2 49.6 74.4

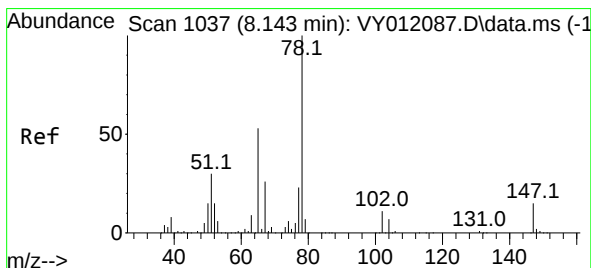
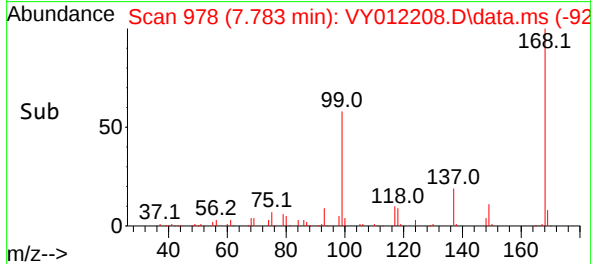
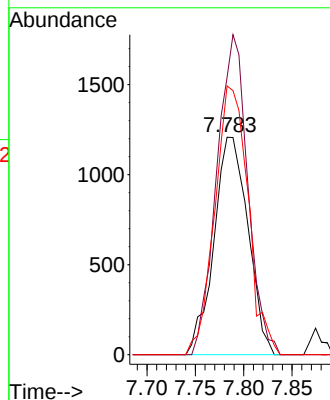
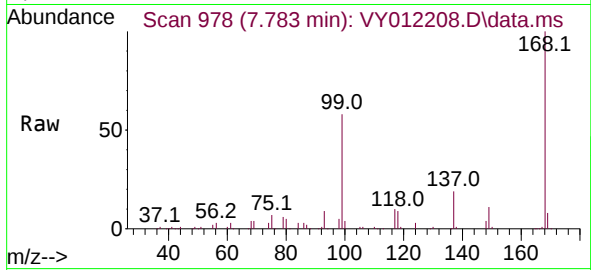




#31
Cyclohexane
Concen: 1.928 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012208.D
Acq: 16 Jan 2023 18:42

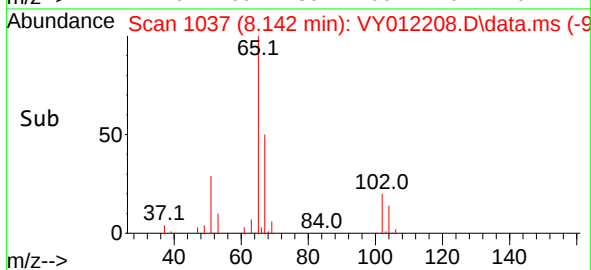
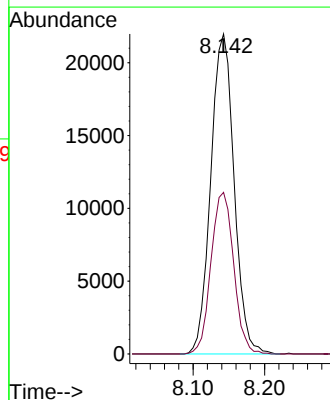
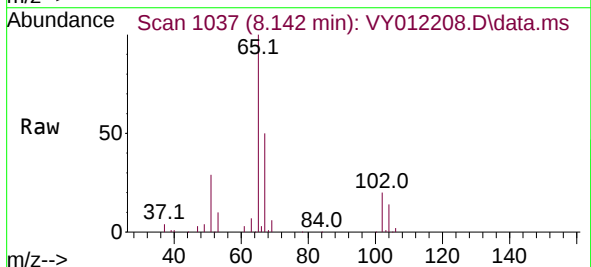
Instrument :
MSVOA_Y
ClientSampleId :
B-04-SB01RE

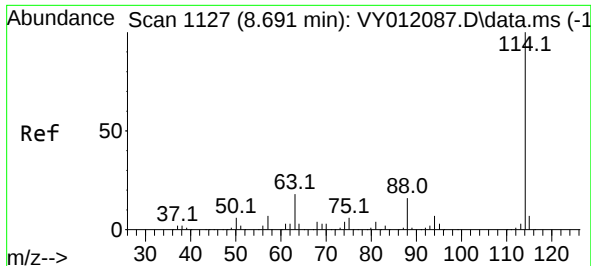
Tgt Ion: 56 Resp: 2964
Ion Ratio Lower Upper
56 100
69 127.5 29.2 43.8#
84 123.6 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 57.606 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012208.D
Acq: 16 Jan 2023 18:42

Tgt Ion: 65 Resp: 49836
Ion Ratio Lower Upper
65 100
67 49.0 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: VY012208.D

Acq: 16 Jan 2023 18:42

Instrument :

MSVOA_Y

ClientSampleId :

B-04-SB01RE

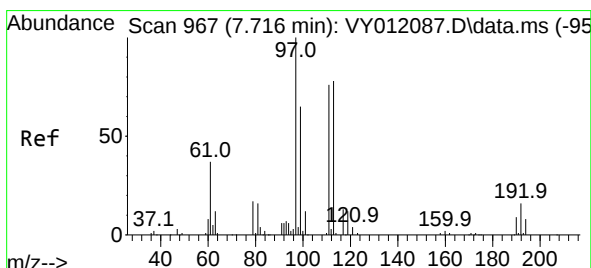
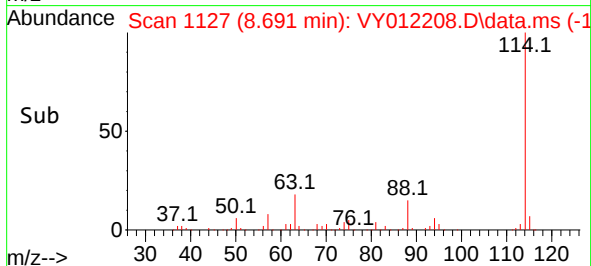
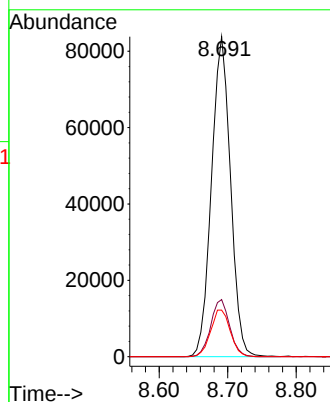
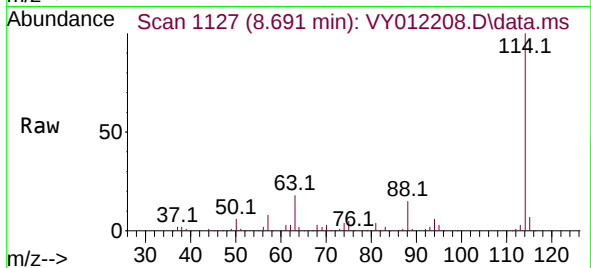
Tgt Ion:114 Resp: 161446

Ion Ratio Lower Upper

114 100

63 17.9 0.0 39.6

88 14.6 0.0 32.2



#35

Dibromofluoromethane

Concen: 52.543 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012208.D

Acq: 16 Jan 2023 18:42

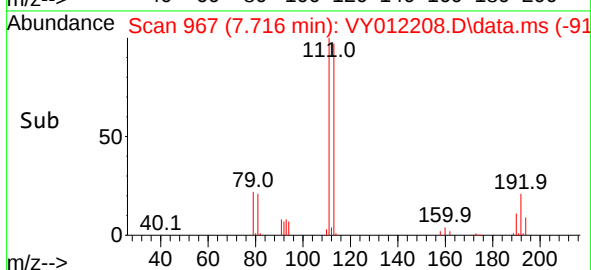
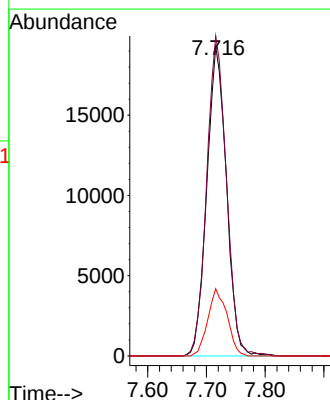
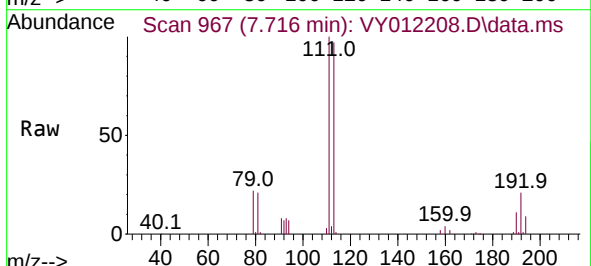
Tgt Ion:113 Resp: 44917

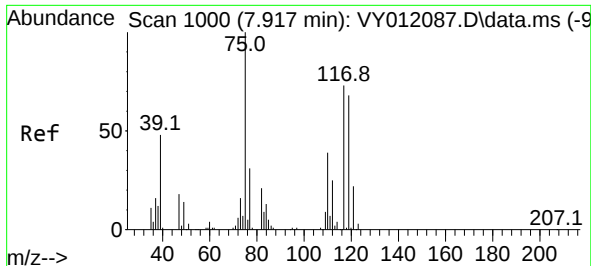
Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.4

192 21.3 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.925 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012208.D

Acq: 16 Jan 2023 18:42

Instrument :

MSVOA_Y

ClientSampleId :

B-04-SB01RE

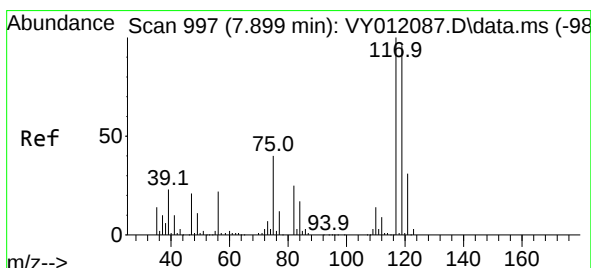
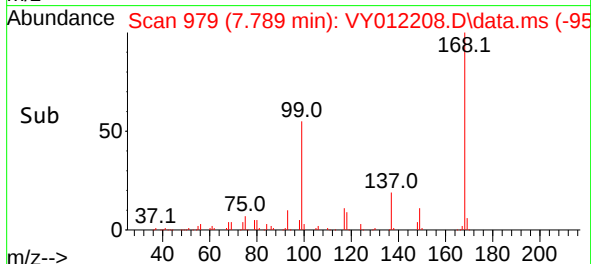
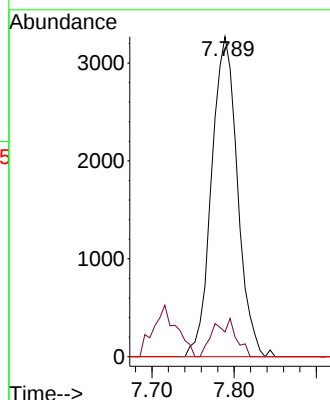
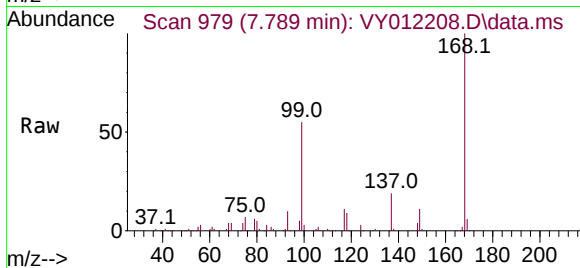
Tgt Ion: 75 Resp: 7155

Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.784 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012208.D

Acq: 16 Jan 2023 18:42

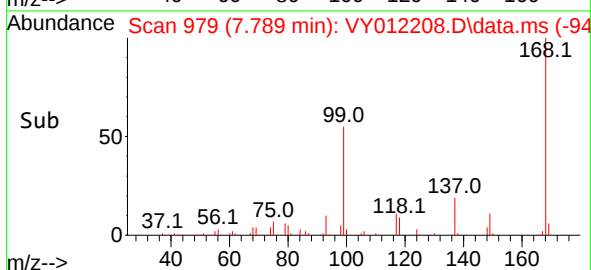
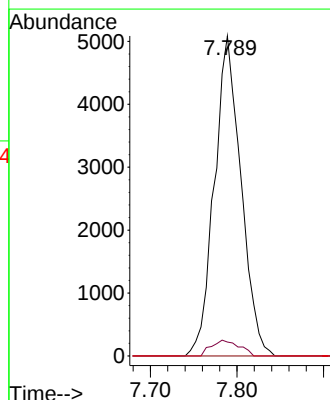
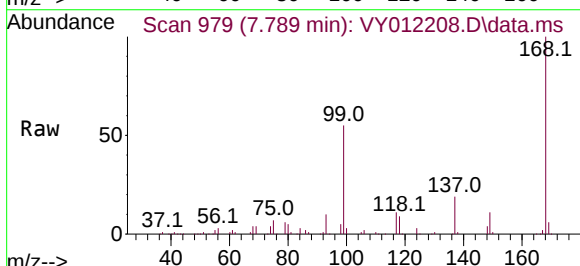
Tgt Ion: 117 Resp: 10853

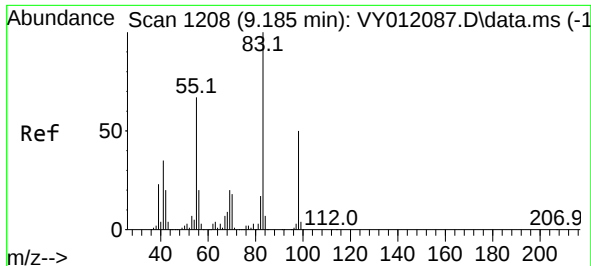
Ion Ratio Lower Upper

117 100

119 4.3 73.8 110.8#

121 0.0 25.2 37.8#





#39

Methylcyclohexane

Concen: 1.543 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY012208.D

Acq: 16 Jan 2023 18:42

Instrument :

MSVOA_Y

ClientSampleId :

B-04-SB01RE

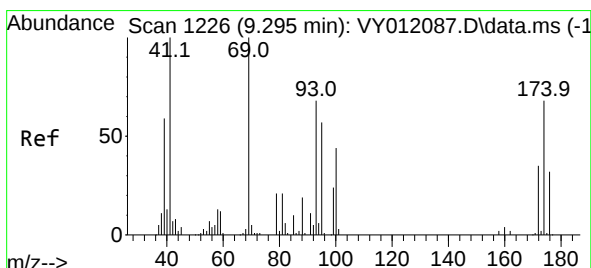
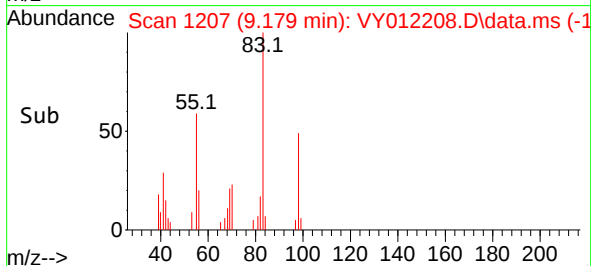
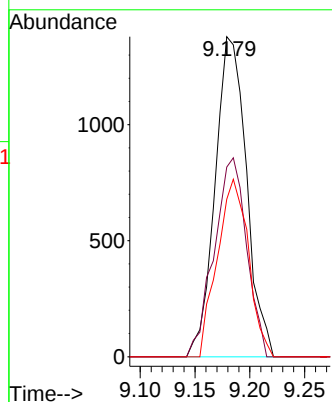
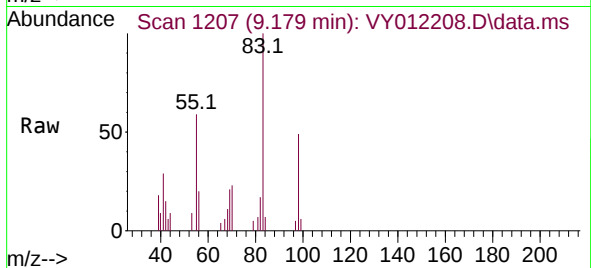
Tgt Ion: 83 Resp: 2740

Ion Ratio Lower Upper

83 100

55 59.2 58.2 87.2

98 49.2 38.6 58.0



#48

Methyl methacrylate

Concen: 1.779 ug/l

RT: 9.185 min Scan# 1208

Delta R.T. -0.110 min

Lab File: VY012208.D

Acq: 16 Jan 2023 18:42

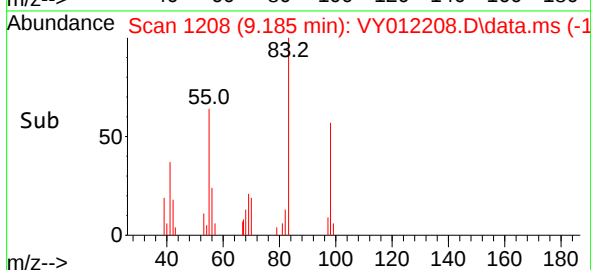
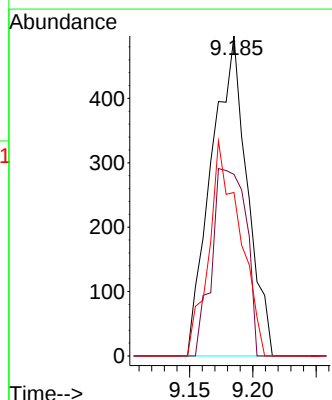
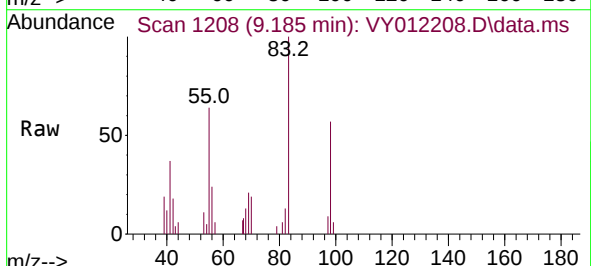
Tgt Ion: 41 Resp: 977

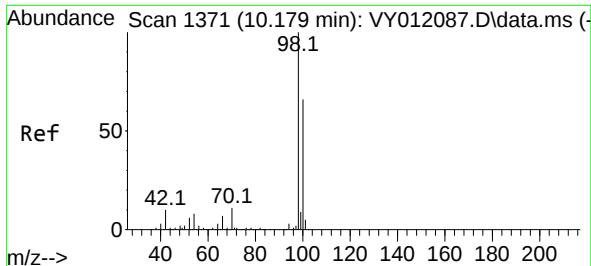
Ion Ratio Lower Upper

41 100

69 56.0 74.2 111.2#

39 58.1 46.3 69.5

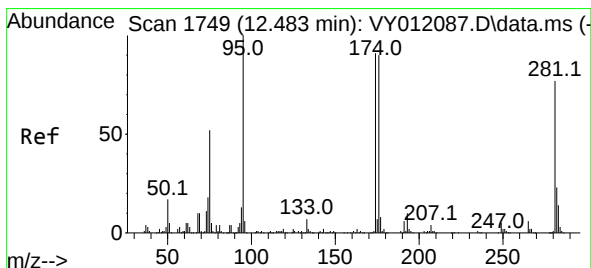
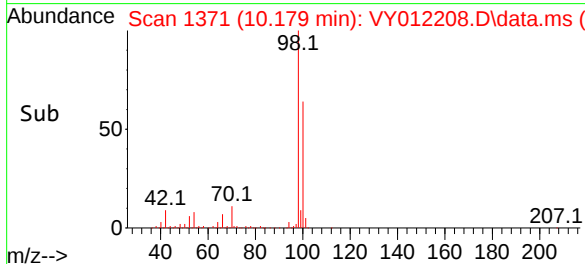
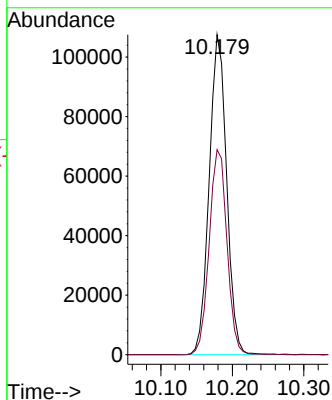
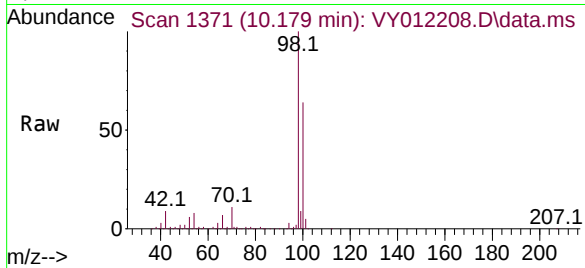




#50
Toluene-d8
Concen: 62.583 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012208.D
Acq: 16 Jan 2023 18:42

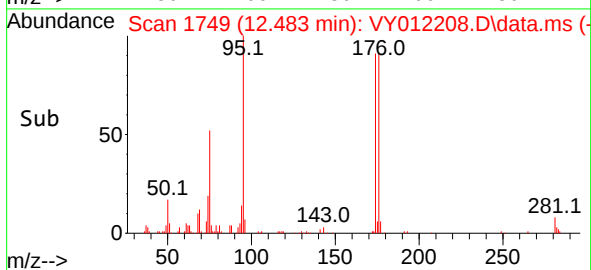
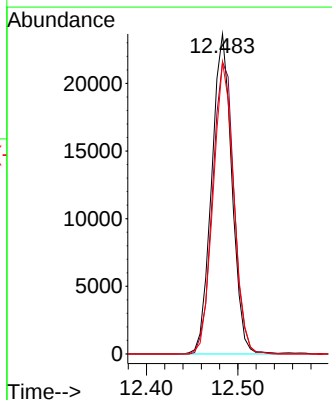
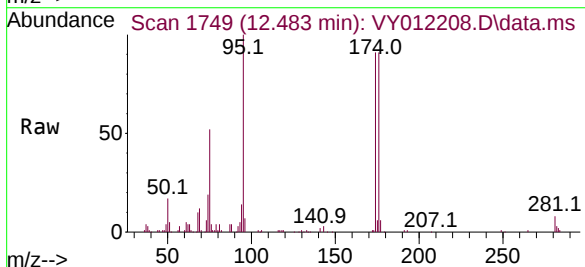
Instrument :
MSVOA_Y
ClientSampleId :
B-04-SB01RE

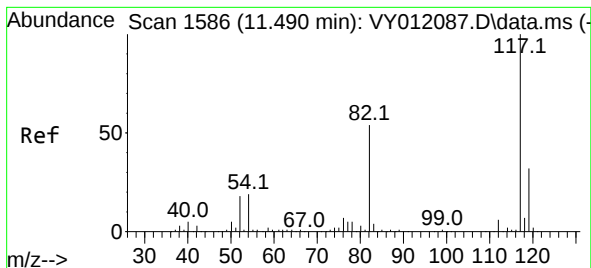
Tgt Ion: 98 Resp: 182138
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 30.170 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012208.D
Acq: 16 Jan 2023 18:42

Tgt Ion: 95 Resp: 36357
Ion Ratio Lower Upper
95 100
174 96.4 0.0 172.0
176 92.6 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY012208.D

Acq: 16 Jan 2023 18:42

Instrument :

MSVOA_Y

ClientSampleId :

B-04-SB01RE

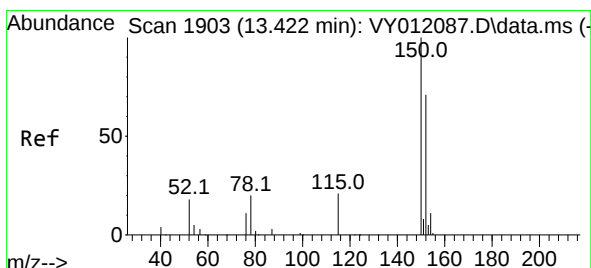
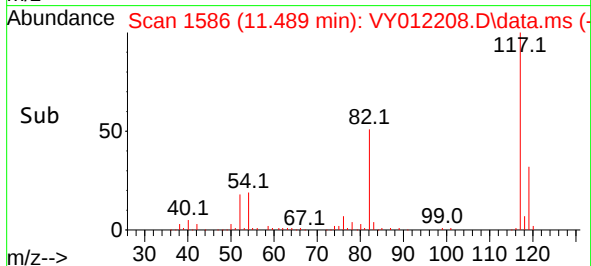
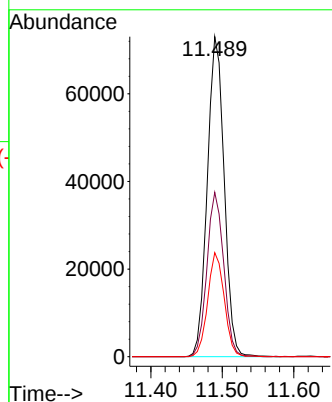
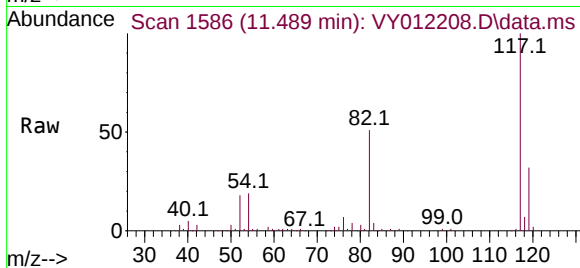
Tgt Ion:117 Resp: 119859

Ion Ratio Lower Upper

117 100

82 51.4 44.8 67.2

119 32.5 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012208.D

Acq: 16 Jan 2023 18:42

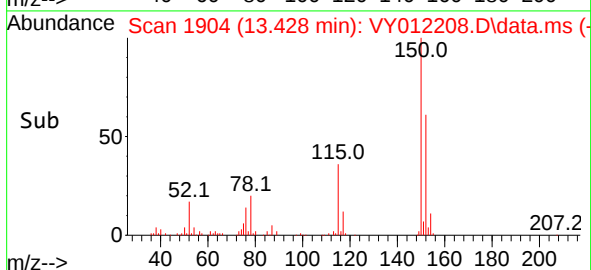
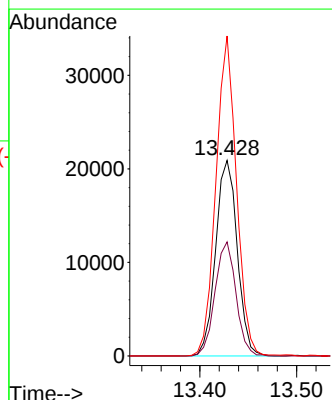
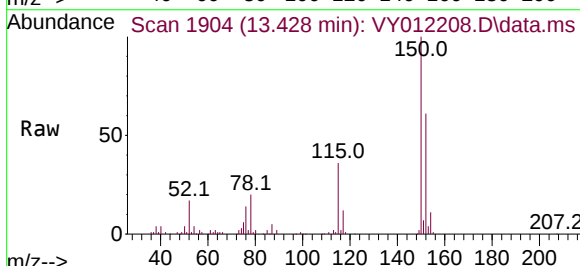
Tgt Ion:152 Resp: 32399

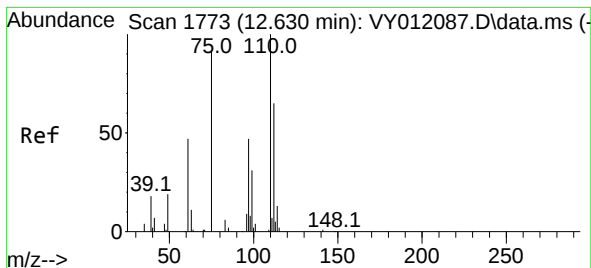
Ion Ratio Lower Upper

152 100

115 56.5 29.1 87.3

150 155.8 0.0 342.6





#76

1,2,3-Trichloropropane

Concen: 64.779 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012208.D

Acq: 16 Jan 2023 18:42

Instrument :

MSVOA_Y

ClientSampleId :

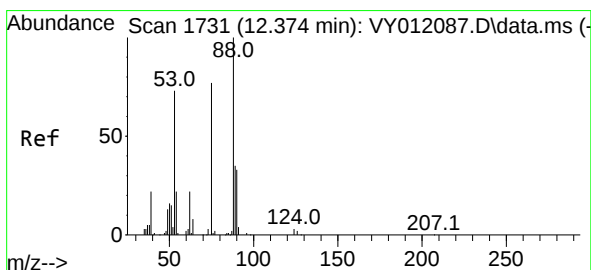
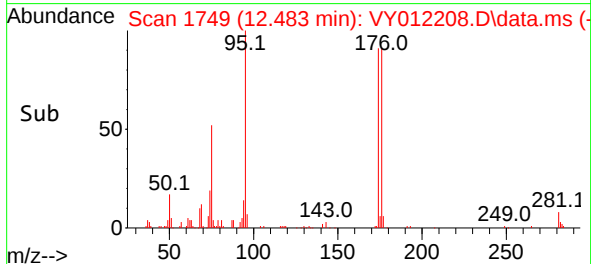
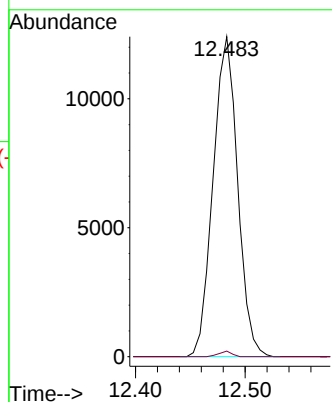
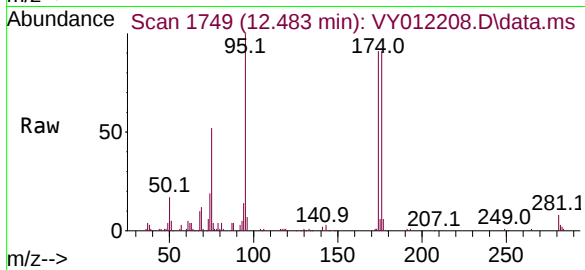
B-04-SB01RE

Tgt Ion: 75 Resp: 19299

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 133.473 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.109 min

Lab File: VY012208.D

Acq: 16 Jan 2023 18:42

Tgt Ion: 75 Resp: 19299

Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.0 37.0 55.4#

