

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012127.D
 Acq On : 09 Jan 2023 21:38
 Operator : KP/MD
 Sample : 01057-06
 Misc : 7.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-5

Quant Time: Jan 10 01:52:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	178929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	283125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	229070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	85726	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	79254	39.419	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.840%
35) Dibromofluoromethane	7.716	113	78802	42.345	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.700%
50) Toluene-d8	10.179	98	325462	44.310	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.620%
62) 4-Bromofluorobenzene	12.483	95	84751	33.010	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	66.020%

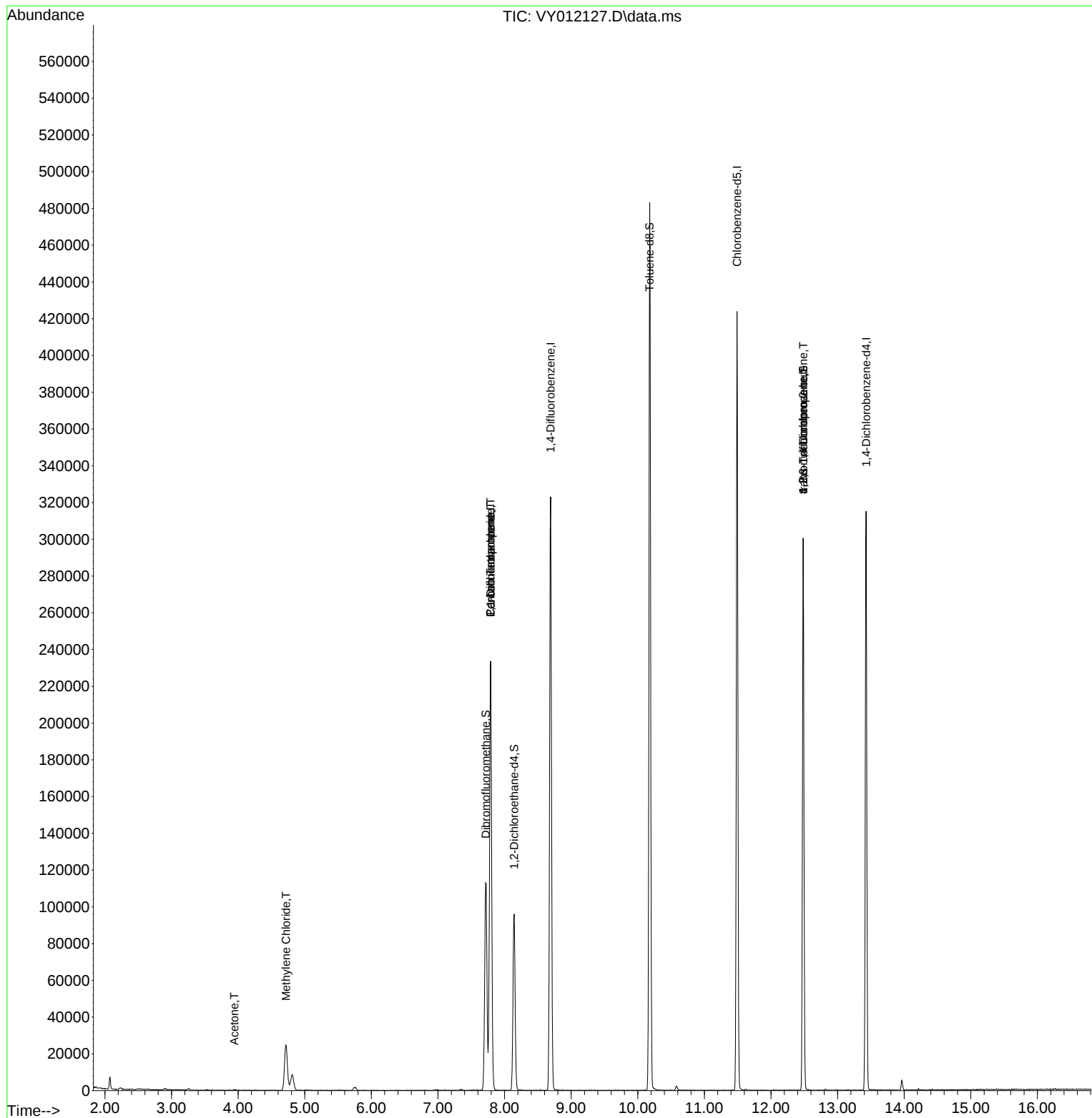
Target Compounds					Qvalue
3) Chloromethane	2.107	50	75	Below Cal	# 41
5) Bromomethane	2.668	94	60	Below Cal	100
11) Tert butyl alcohol	4.954	59	22	Below Cal	# 74
16) Acetone	3.942	43	643	1.360	ug/l 98
20) Methylene Chloride	4.716	84	20625	4.988	ug/l 88
31) Cyclohexane	7.789	56	3426	Below Cal	# 33
36) 1,1-Dichloropropene	7.789	75	12586	4.458	ug/l # 51
38) Carbon Tetrachloride	7.789	117	18165	5.069	ug/l # 18
76) 1,2,3-Trichloropropane	12.483	75	45055	46.030	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.483	75	45055	102.225	ug/l # 13

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

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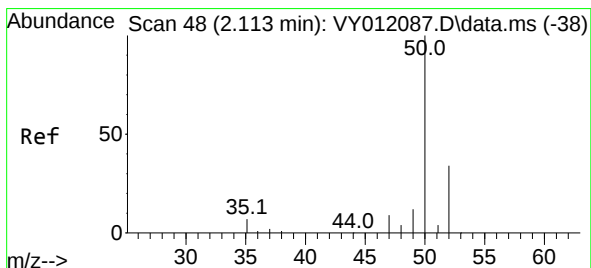
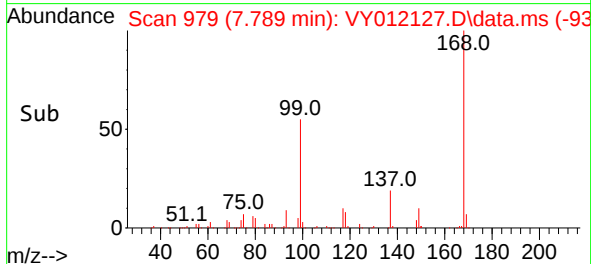
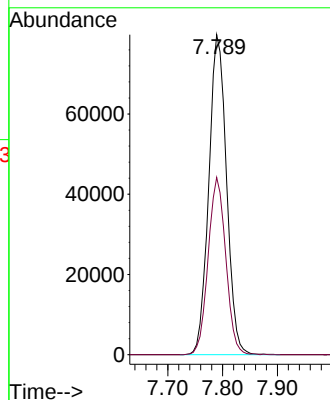
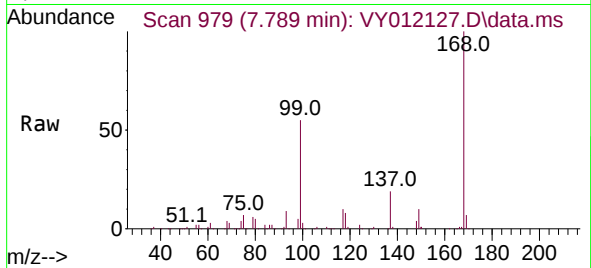




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012127.D
Acq: 09 Jan 2023 21:38

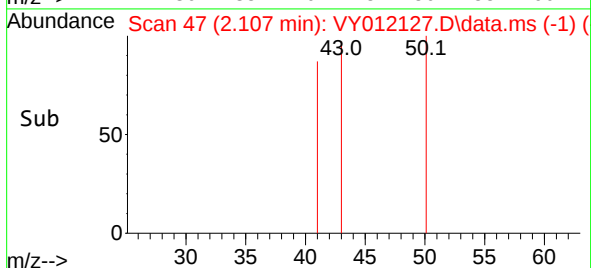
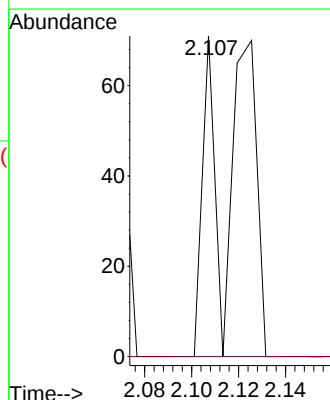
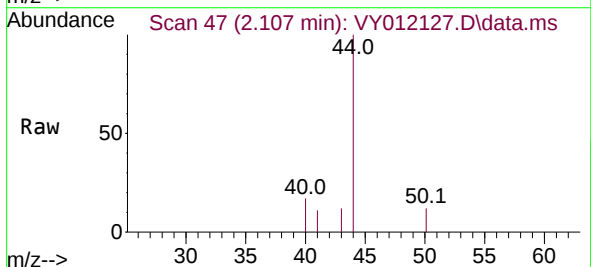
Instrument :
MSVOA_Y
ClientSampleId :
VOC-5

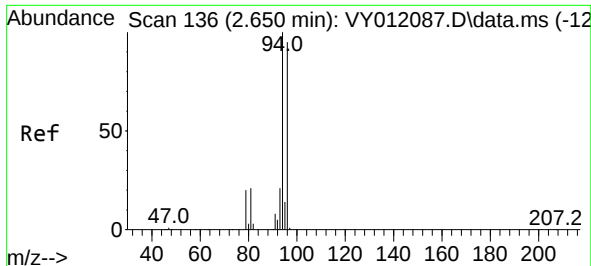
Tgt Ion:168 Resp: 178929
Ion Ratio Lower Upper
168 100
99 55.4 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY012127.D
Acq: 09 Jan 2023 21:38

Tgt Ion: 50 Resp: 75
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

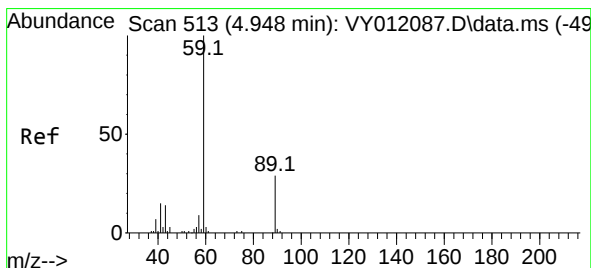
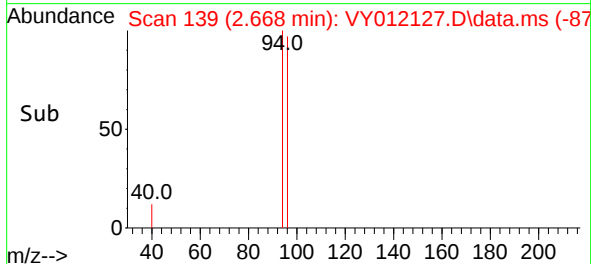
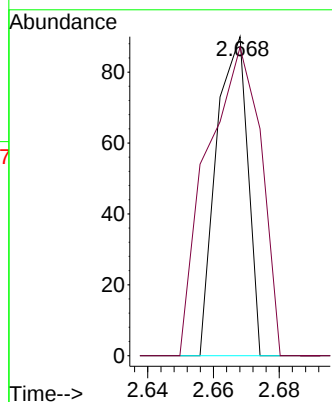
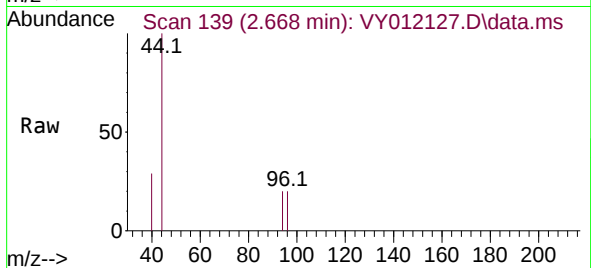




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY012127.D
Acq: 09 Jan 2023 21:38

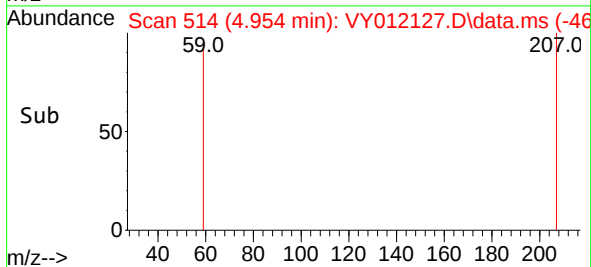
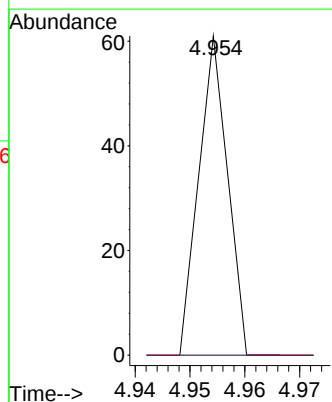
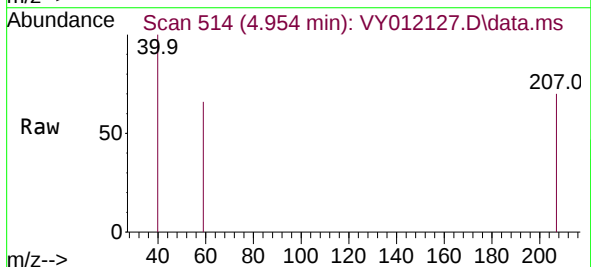
Instrument :
MSVOA_Y
ClientSampleId :
VOC-5

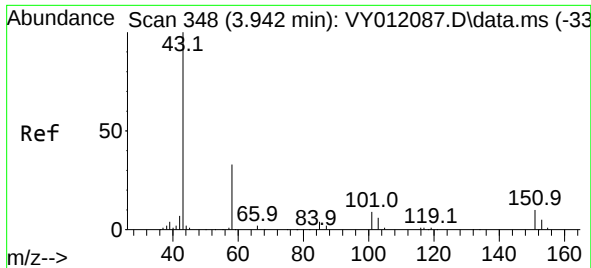
Tgt Ion: 94 Resp: 60
Ion Ratio Lower Upper
94 100
96 96.7 77.4 116.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY012127.D
Acq: 09 Jan 2023 21:38

Tgt Ion: 59 Resp: 22
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 1.360 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY012127.D

Acq: 09 Jan 2023 21:38

Instrument :

MSVOA_Y

ClientSampleId :

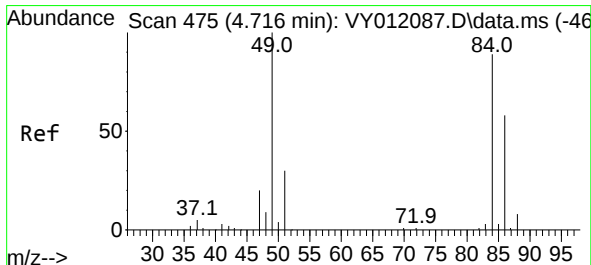
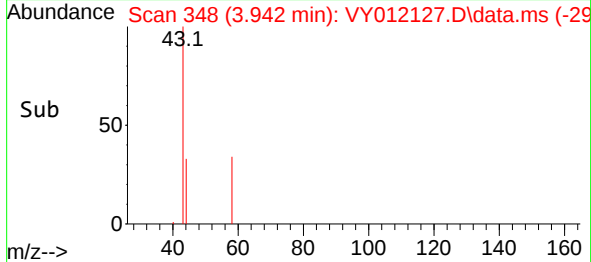
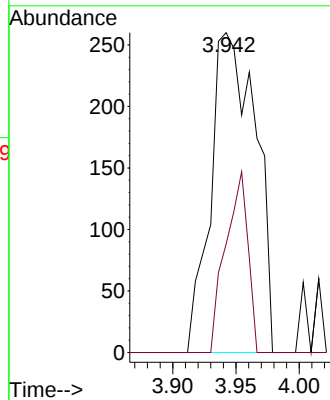
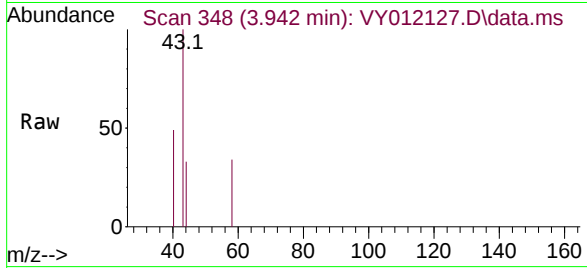
VOC-5

Tgt Ion: 43 Resp: 643

Ion Ratio Lower Upper

43 100

58 33.8 27.9 41.9



#20

Methylene Chloride

Concen: 4.988 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012127.D

Acq: 09 Jan 2023 21:38

Tgt Ion: 84 Resp: 20625

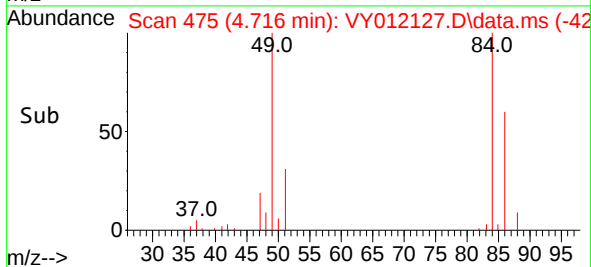
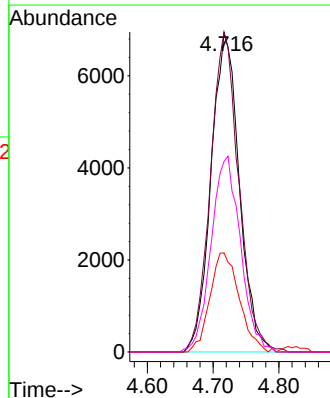
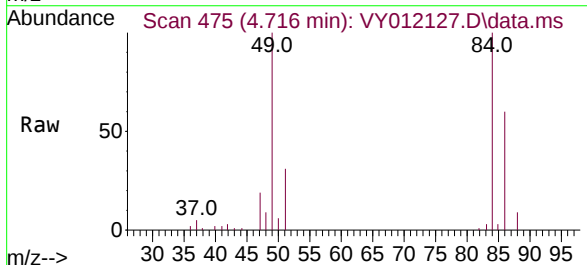
Ion Ratio Lower Upper

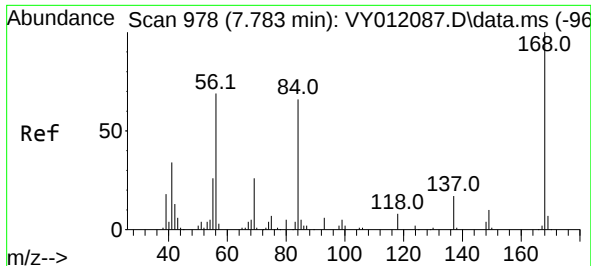
84 100

49 100.4 95.4 143.2

51 31.1 29.9 44.9

86 59.8 49.6 74.4

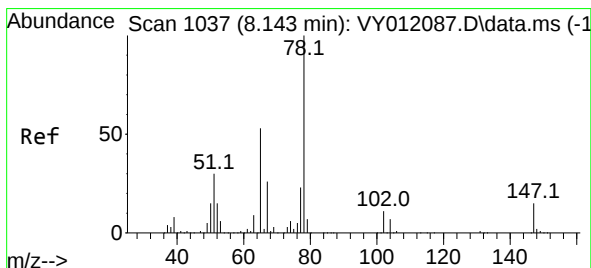
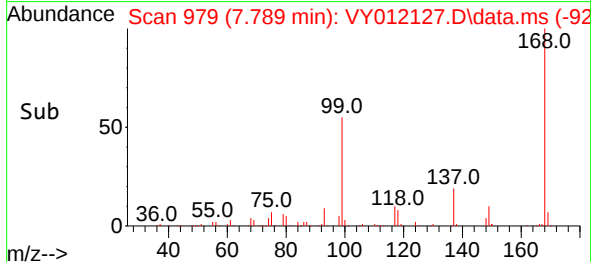
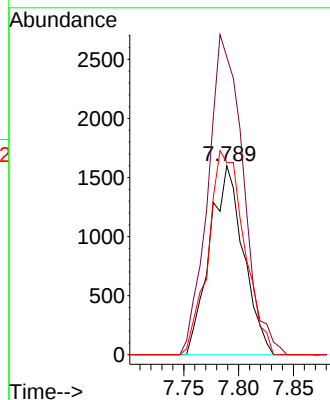
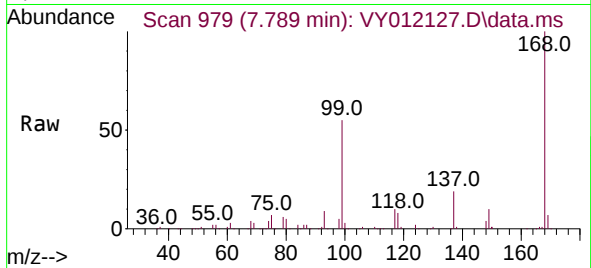




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012127.D
Acq: 09 Jan 2023 21:38

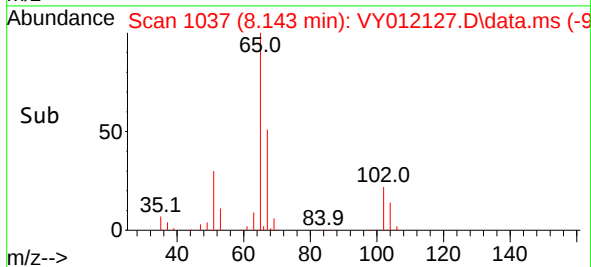
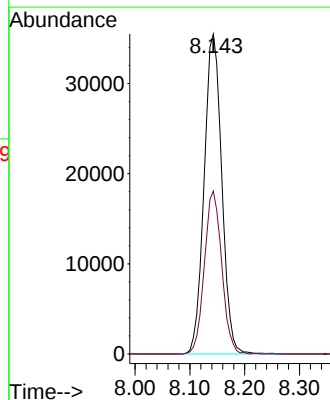
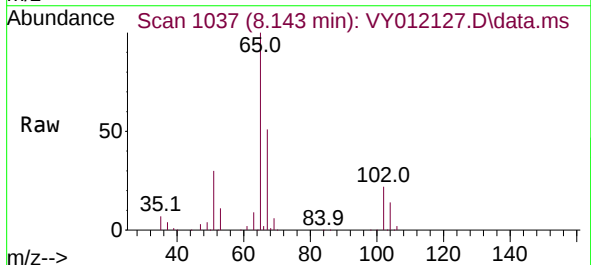
Instrument :
MSVOA_Y
ClientSampleId :
VOC-5

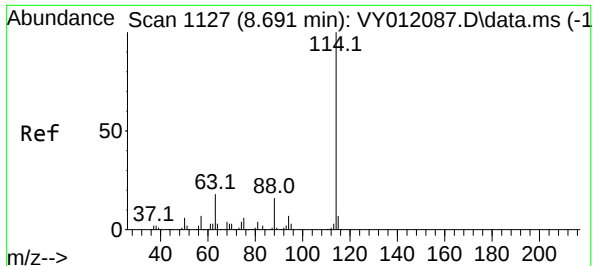
Tgt Ion: 56 Resp: 3426
Ion Ratio Lower Upper
56 100
69 157.6 29.2 43.8#
84 101.6 72.6 108.8



#33
1,2-Dichloroethane-d4
Concen: 39.419 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012127.D
Acq: 09 Jan 2023 21:38

Tgt Ion: 65 Resp: 79254
Ion Ratio Lower Upper
65 100
67 49.9 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: VY012127.D

Acq: 09 Jan 2023 21:38

Instrument :

MSVOA_Y

ClientSampleId :

VOC-5

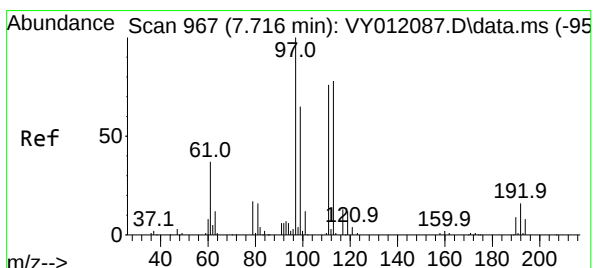
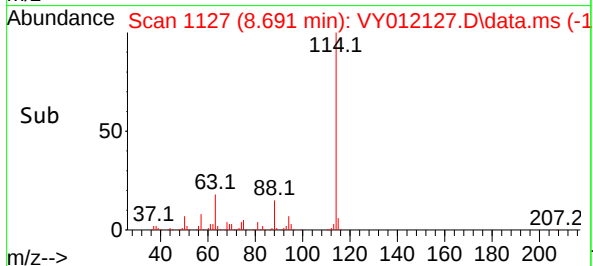
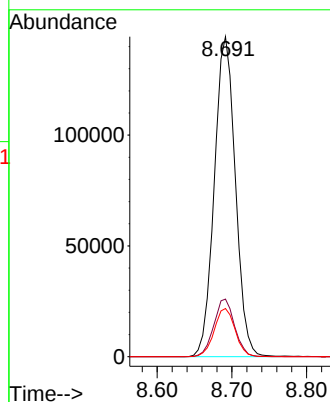
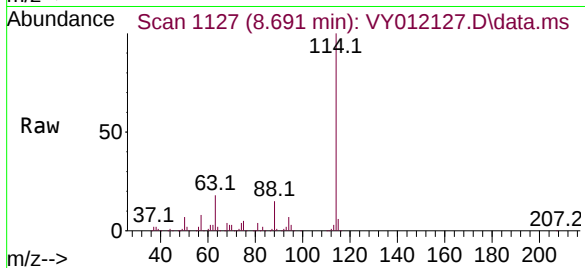
Tgt Ion:114 Resp: 283125

Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.6

88 15.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 42.345 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012127.D

Acq: 09 Jan 2023 21:38

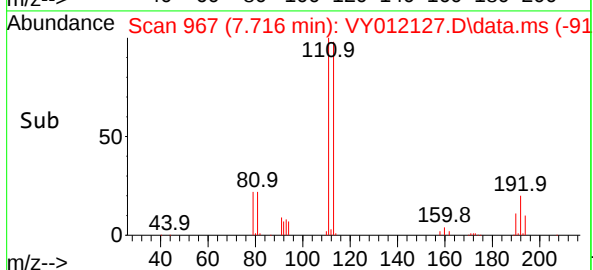
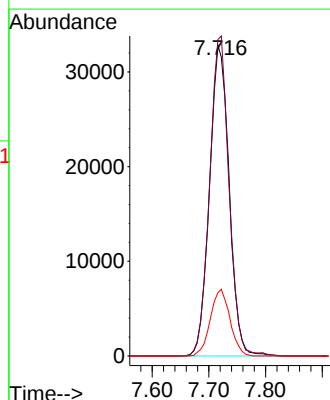
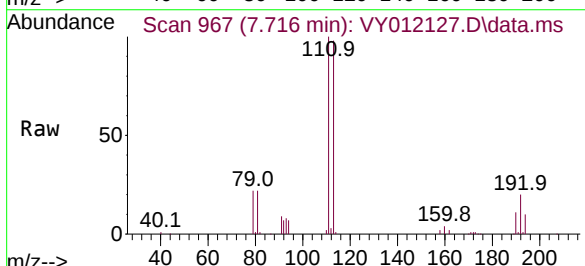
Tgt Ion:113 Resp: 78802

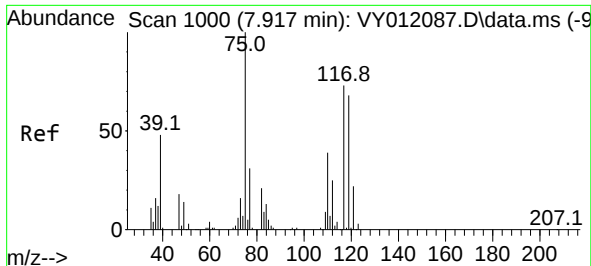
Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.4

192 21.5 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.458 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012127.D

Acq: 09 Jan 2023 21:38

Instrument :

MSVOA_Y

ClientSampleId :

VOC-5

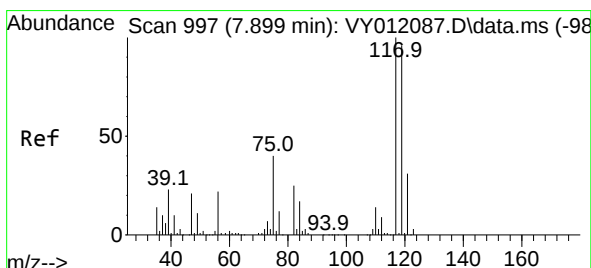
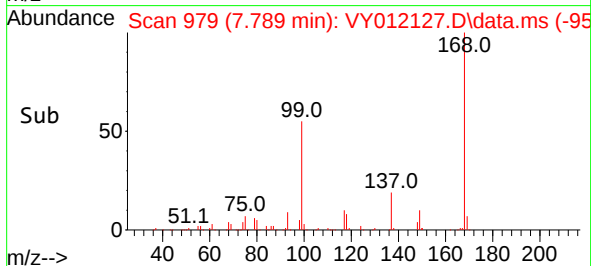
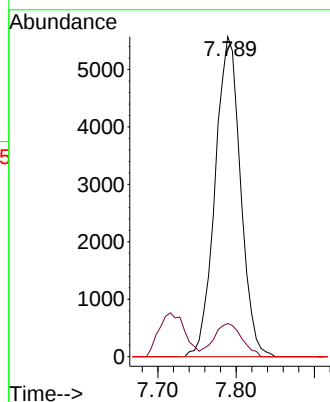
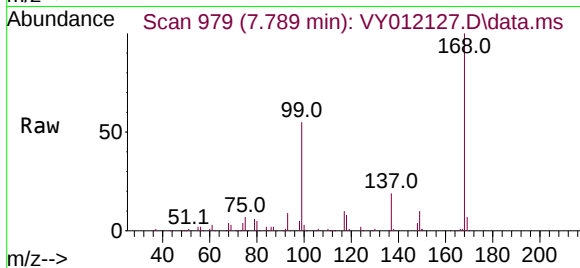
Tgt Ion: 75 Resp: 12586

Ion Ratio Lower Upper

75 100

110 11.5 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.069 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012127.D

Acq: 09 Jan 2023 21:38

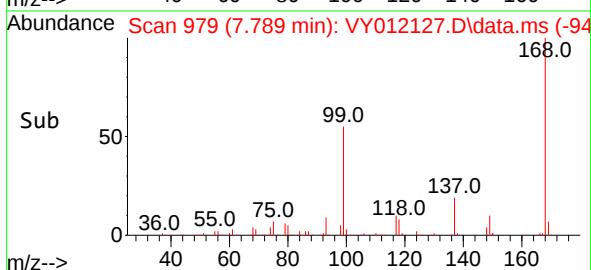
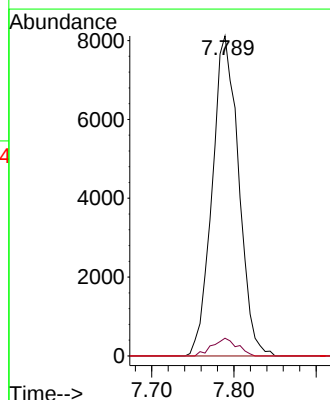
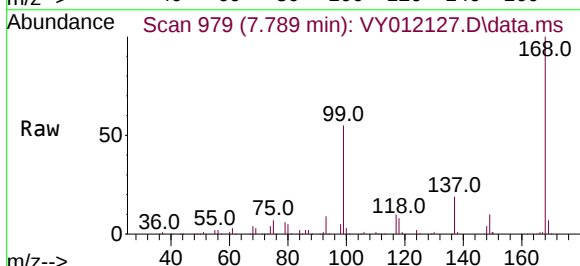
Tgt Ion: 117 Resp: 18165

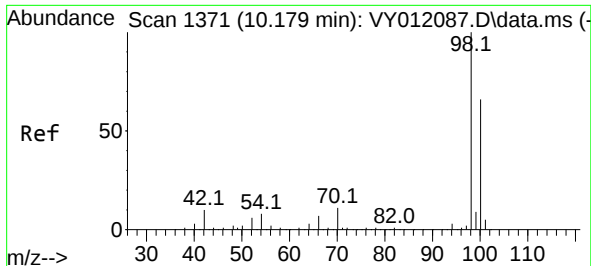
Ion Ratio Lower Upper

117 100

119 5.5 73.8 110.8#

121 0.0 25.2 37.8#

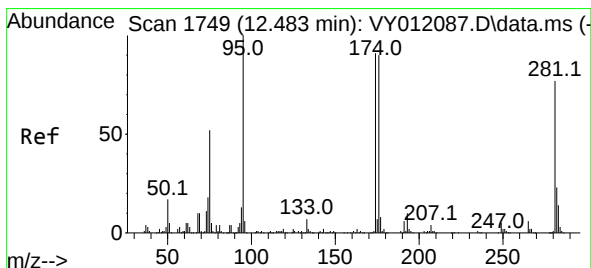
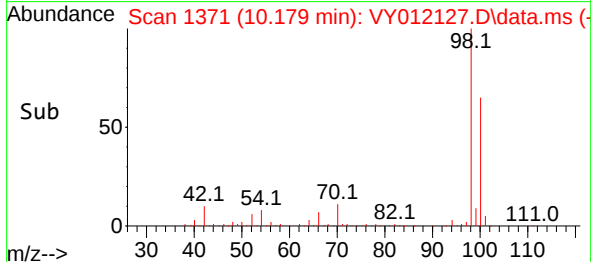
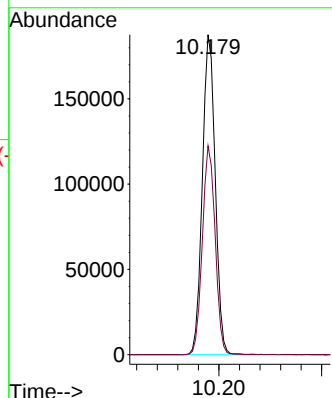
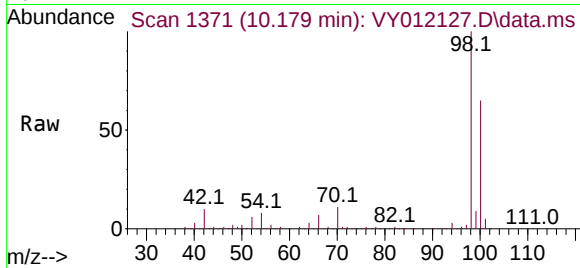




#50
Toluene-d8
Concen: 44.310 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012127.D
Acq: 09 Jan 2023 21:38

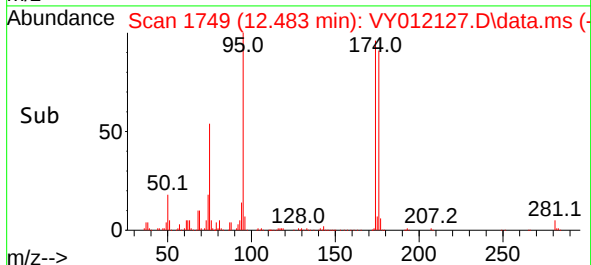
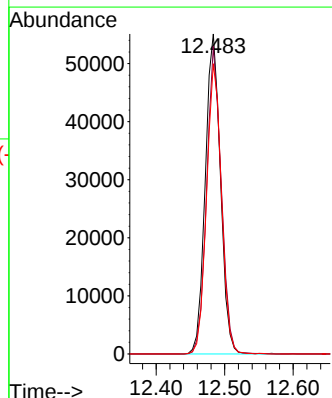
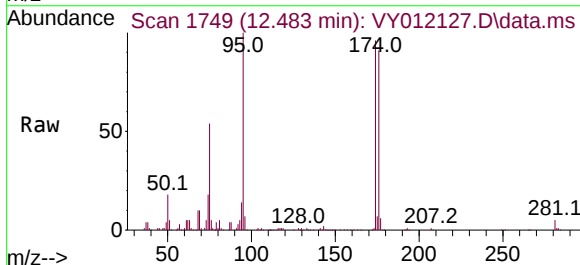
Instrument :
MSVOA_Y
ClientSampleId :
VOC-5

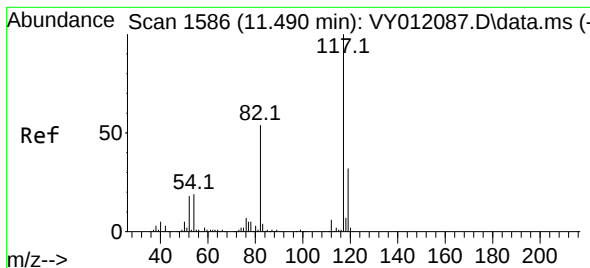
Tgt Ion: 98 Resp: 325462
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 33.010 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012127.D
Acq: 09 Jan 2023 21:38

Tgt Ion: 95 Resp: 84751
Ion Ratio Lower Upper
95 100
174 92.7 0.0 172.0
176 89.2 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: VY012127.D

Acq: 09 Jan 2023 21:38

Instrument :

MSVOA_Y

ClientSampleId :

VOC-5

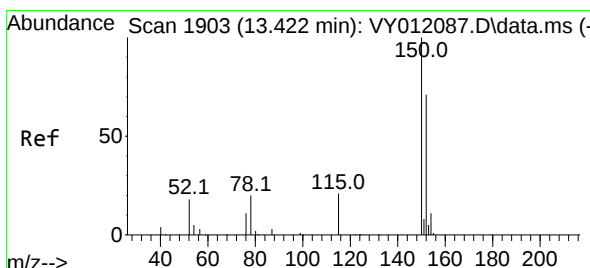
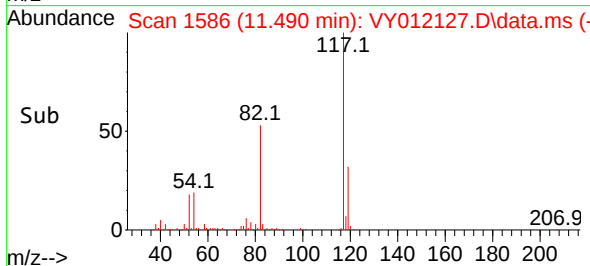
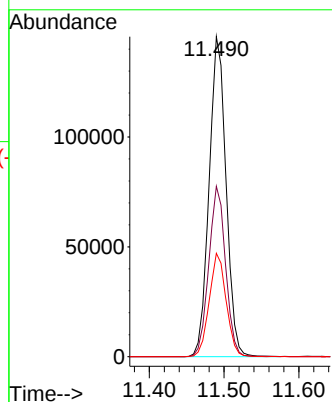
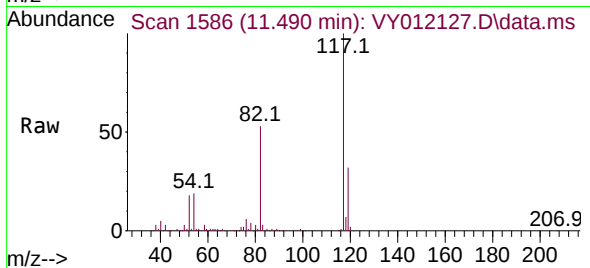
Tgt Ion:117 Resp: 229070

Ion Ratio Lower Upper

117 100

82 53.2 44.8 67.2

119 32.3 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: VY012127.D

Acq: 09 Jan 2023 21:38

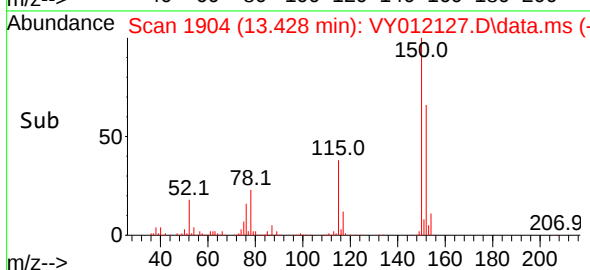
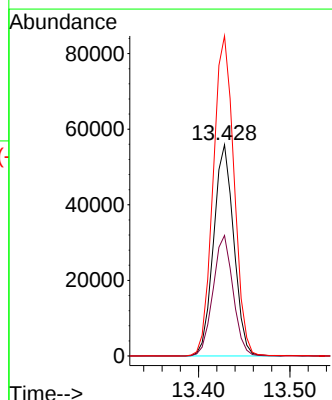
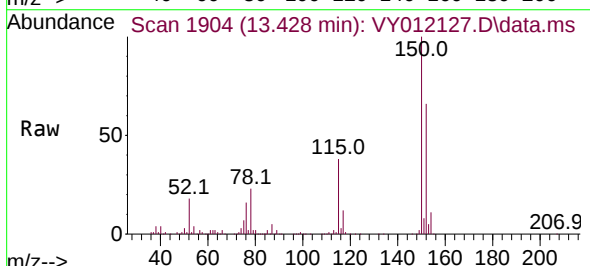
Tgt Ion:152 Resp: 85726

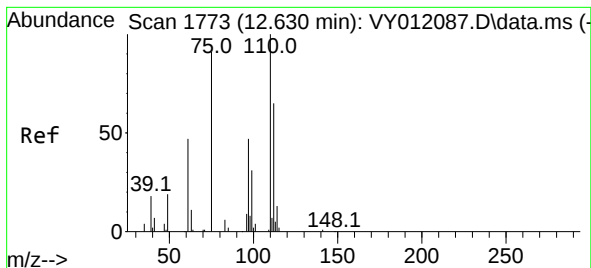
Ion Ratio Lower Upper

152 100

115 56.4 29.1 87.3

150 156.7 0.0 342.6





#76

1,2,3-Trichloropropane

Concen: 46.030 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012127.D

Acq: 09 Jan 2023 21:38

Instrument :

MSVOA_Y

ClientSampleId :

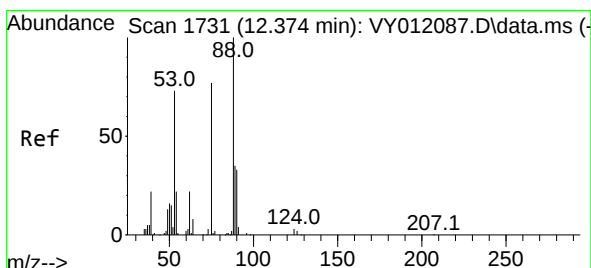
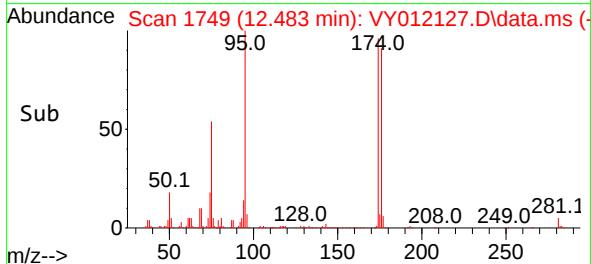
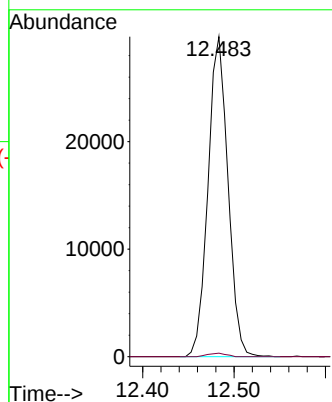
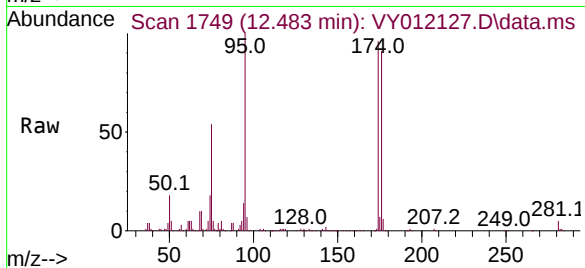
VOC-5

Tgt Ion: 75 Resp: 45055

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 102.225 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.109 min

Lab File: VY012127.D

Acq: 09 Jan 2023 21:38

Tgt Ion: 75 Resp: 45055

Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.0 37.0 55.4#

