

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010323\
 Data File : VY012055.D
 Acq On : 03 Jan 2023 18:29
 Operator : KP/MD
 Sample : 01002-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Jan 04 01:21:06 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	171382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	298667	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	276392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120910	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	99615	57.693	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.380%
35) Dibromofluoromethane	7.716	113	91548	50.915	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.820%
50) Toluene-d8	10.179	98	355895	48.785	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.580%
62) 4-Bromofluorobenzene	12.483	95	110344	44.974	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.940%

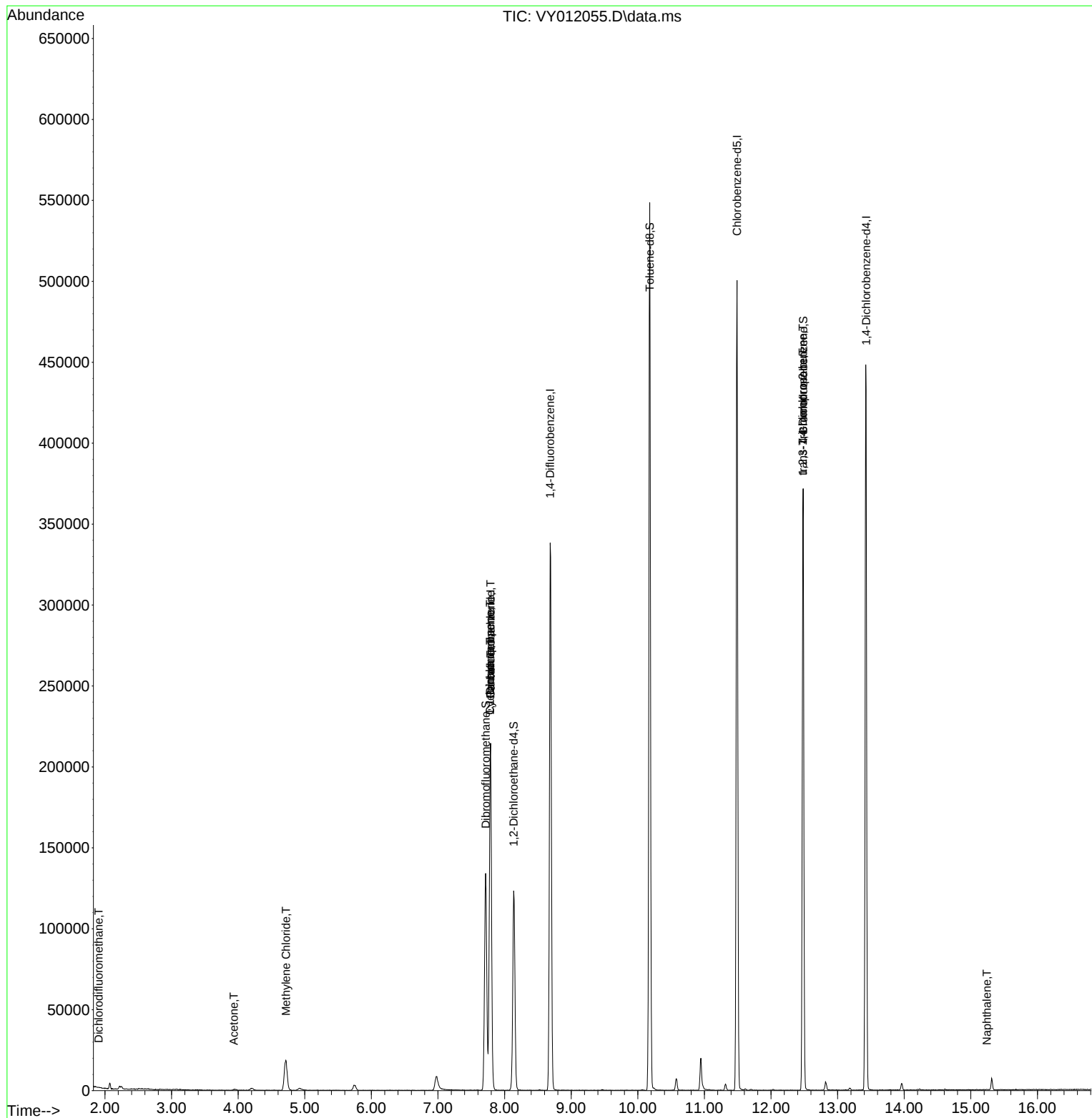
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	134	2.561	ug/l #	41
11) Tert butyl alcohol	4.930	59	1681	Below Cal	#	74
16) Acetone	3.936	43	1186	7.130	ug/l #	64
20) Methylene Chloride	4.716	84	15179	1.835	ug/l	90
31) Cyclohexane	7.783	56	3195	1.099	ug/l #	3
36) 1,1-Dichloropropene	7.783	75	12054	4.179	ug/l #	50
38) Carbon Tetrachloride	7.789	117	16793	5.042	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	58435	38.839	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	58435	106.362	ug/l #	13
95) Naphthalene	15.239	128	209	2.823	ug/l #	69

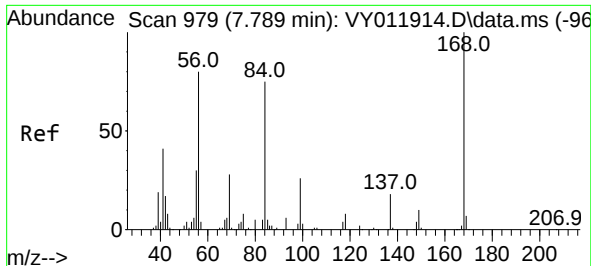
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
Response via : Initial Calibration

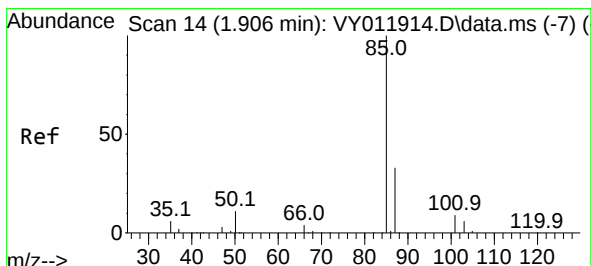
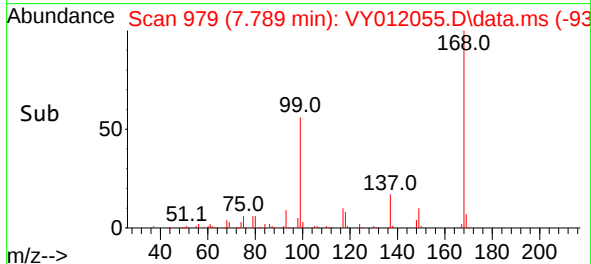
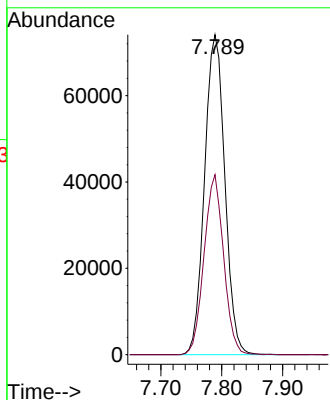
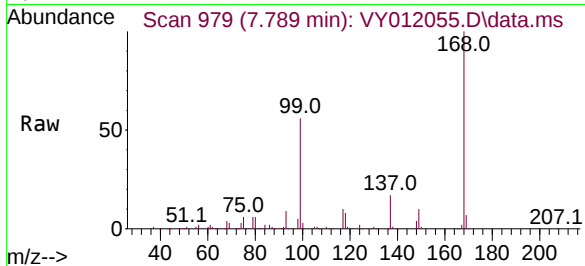




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012055.D
Acq: 03 Jan 2023 18:29

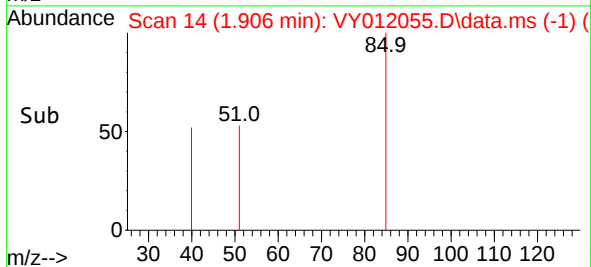
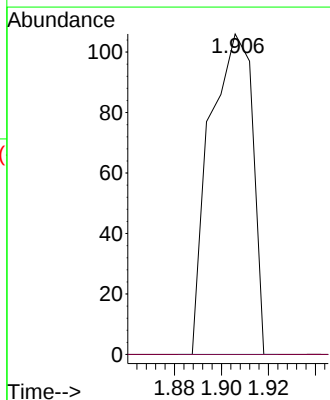
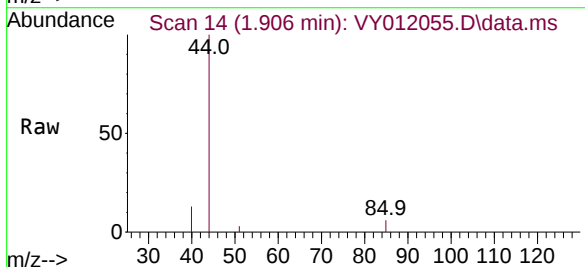
Instrument :
MSVOA_Y
ClientSampleId :
VOC

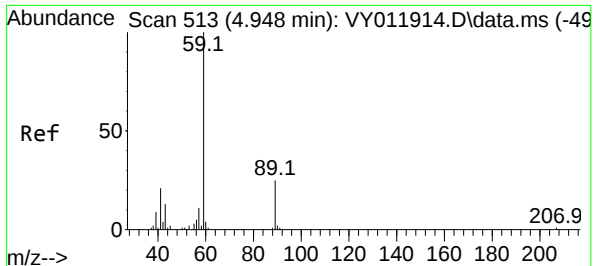
Tgt Ion:168 Resp: 171382
Ion Ratio Lower Upper
168 100
99 56.2 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.561 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012055.D
Acq: 03 Jan 2023 18:29

Tgt Ion: 85 Resp: 134
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: VY012055.D

Acq: 03 Jan 2023 18:29

Instrument :

MSVOA_Y

ClientSampleId :

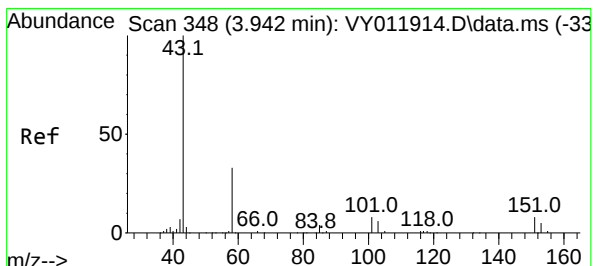
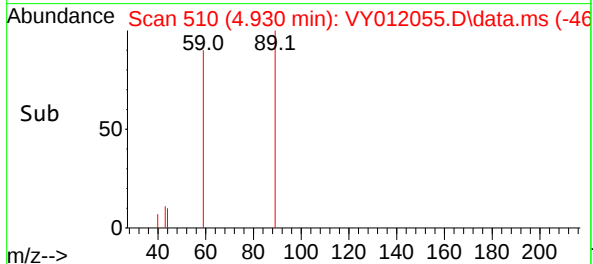
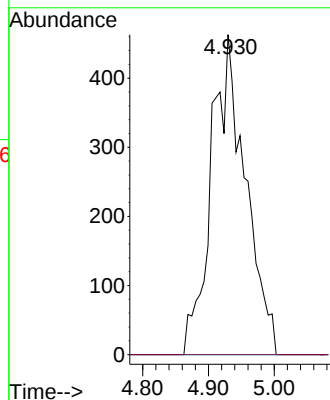
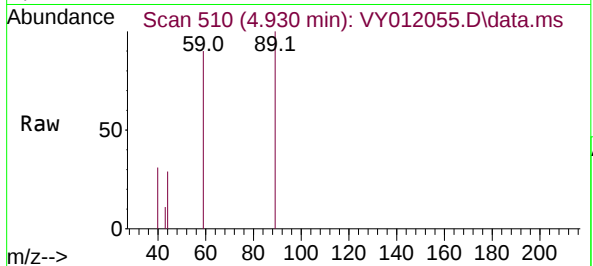
VOC

Tgt Ion: 59 Resp: 1681

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 7.130 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.012 min

Lab File: VY012055.D

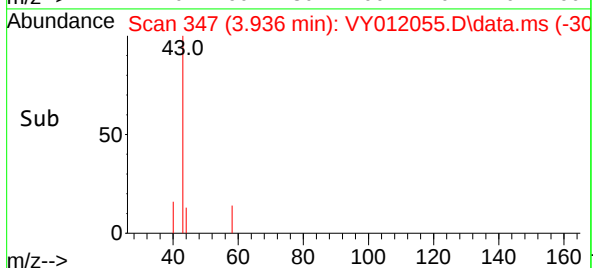
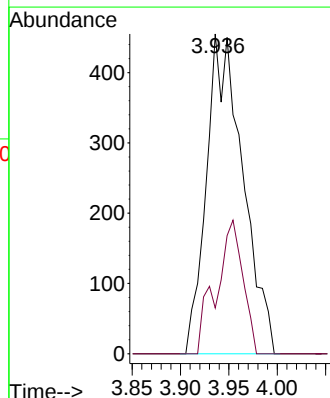
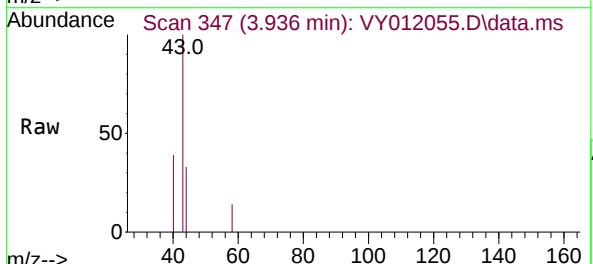
Acq: 03 Jan 2023 18:29

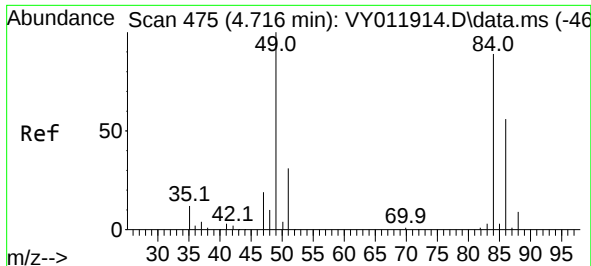
Tgt Ion: 43 Resp: 1186

Ion Ratio Lower Upper

43 100

58 14.3 27.9 41.9#





#20

Methylene Chloride

Concen: 1.835 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY012055.D

Acq: 03 Jan 2023 18:29

Instrument :

MSVOA_Y

ClientSampleId :

VOC

Tgt Ion: 84 Resp: 15179

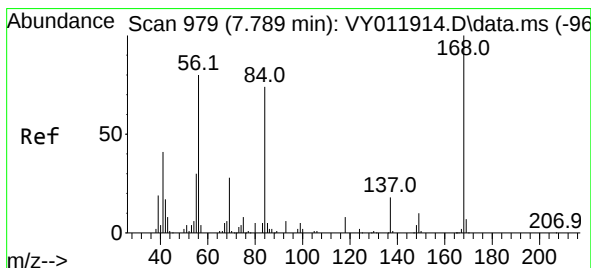
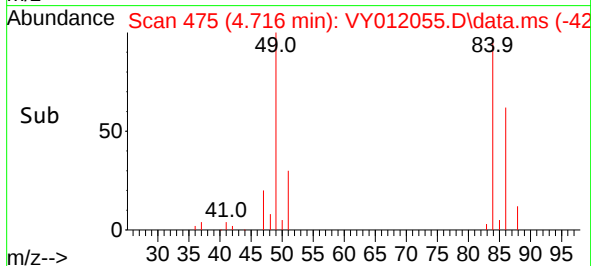
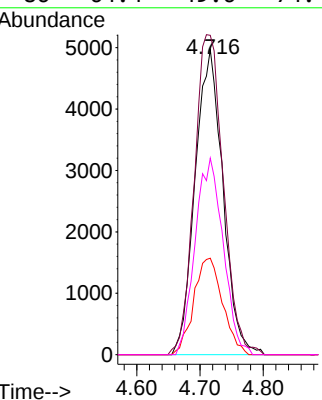
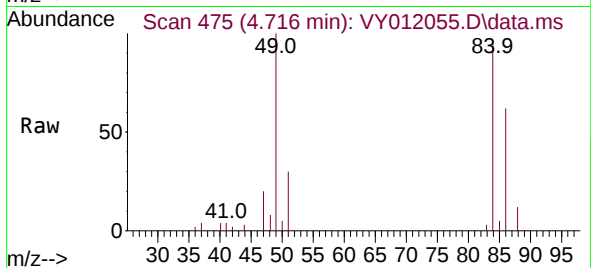
Ion Ratio Lower Upper

84 100

49 104.6 95.4 143.2

51 31.6 29.9 44.9

86 64.4 49.6 74.4



#31

Cyclohexane

Concen: 1.099 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012055.D

Acq: 03 Jan 2023 18:29

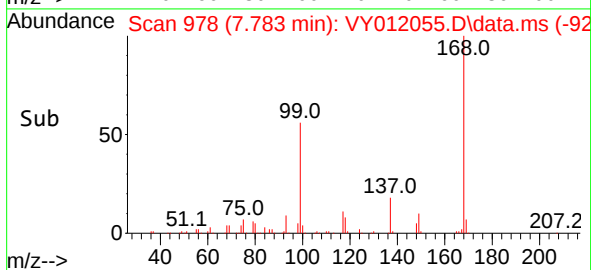
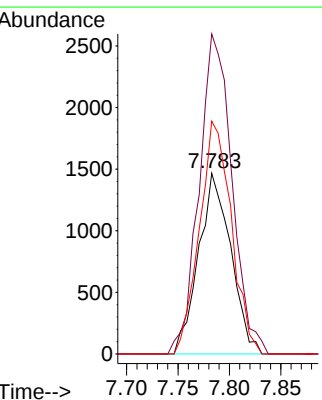
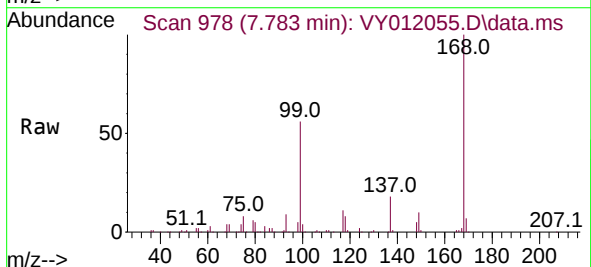
Tgt Ion: 56 Resp: 3195

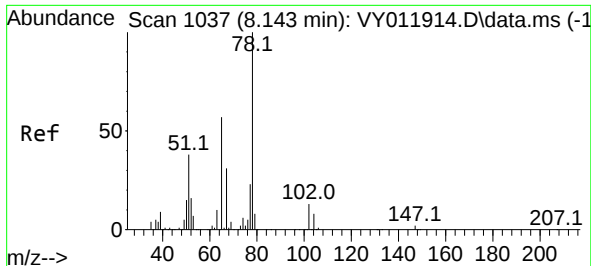
Ion Ratio Lower Upper

56 100

69 177.1 29.2 43.8#

84 128.8 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 57.693 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.007 min

Lab File: VY012055.D

Acq: 03 Jan 2023 18:29

Instrument :

MSVOA_Y

ClientSampleId :

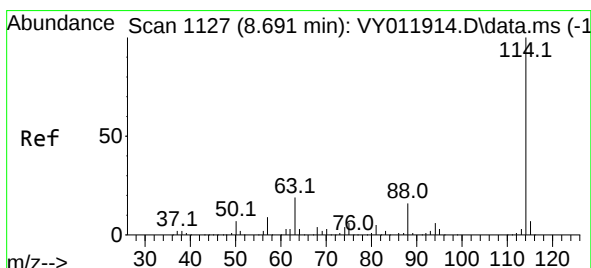
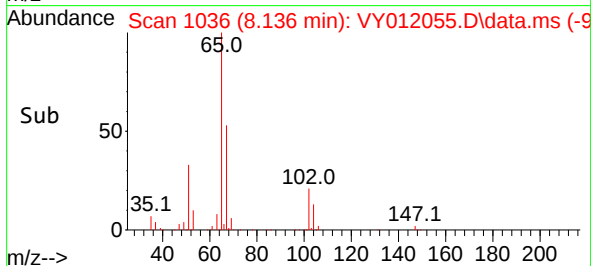
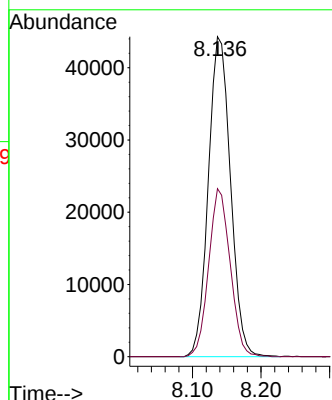
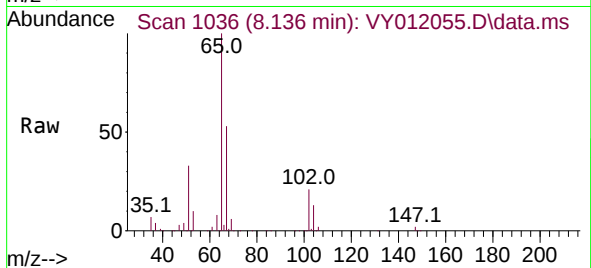
VOC

Tgt Ion: 65 Resp: 99615

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012055.D

Acq: 03 Jan 2023 18:29

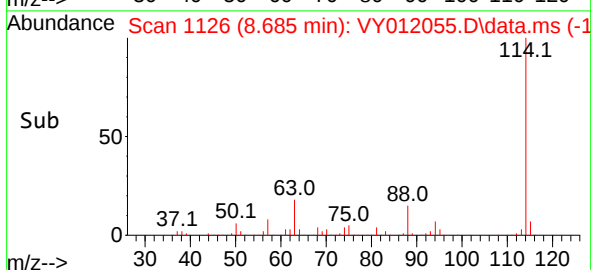
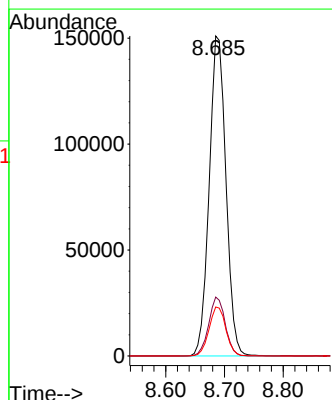
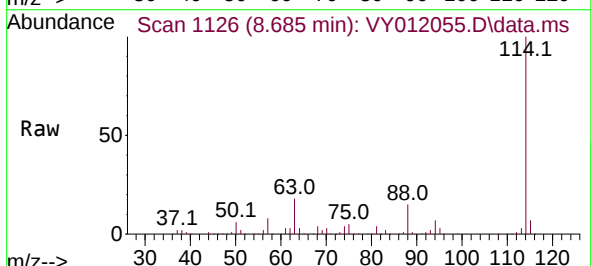
Tgt Ion: 114 Resp: 298667

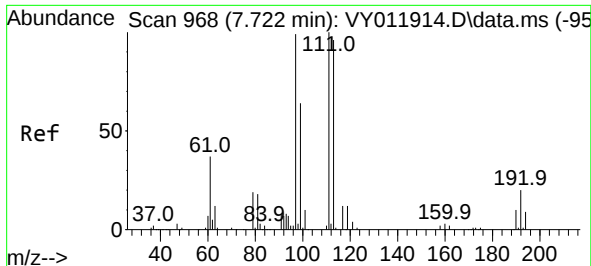
Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 15.3 0.0 32.2

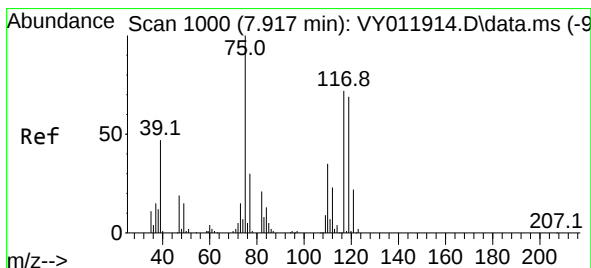
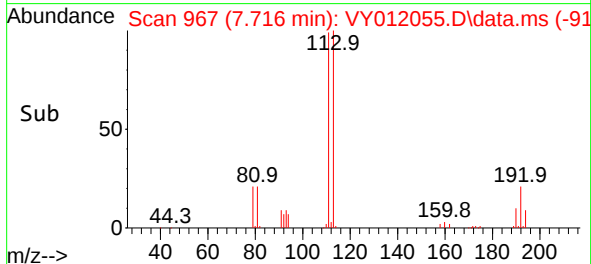
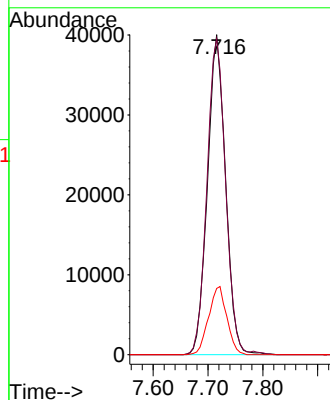
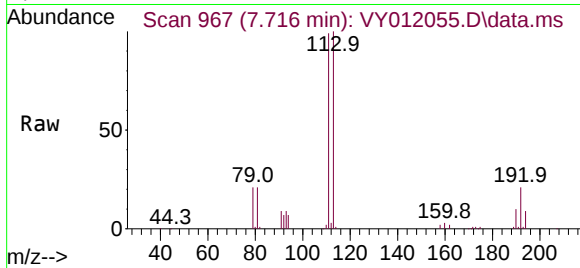




#35
Dibromofluoromethane
Concen: 50.915 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012055.D
Acq: 03 Jan 2023 18:29

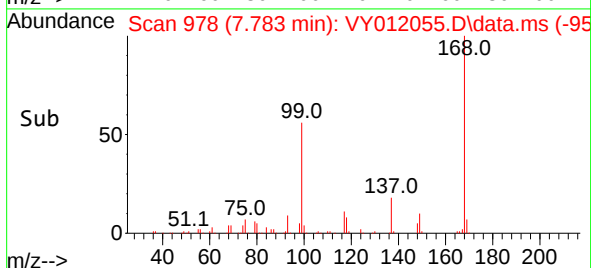
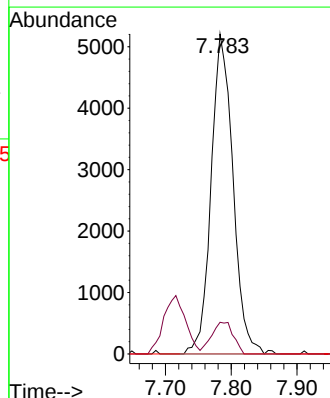
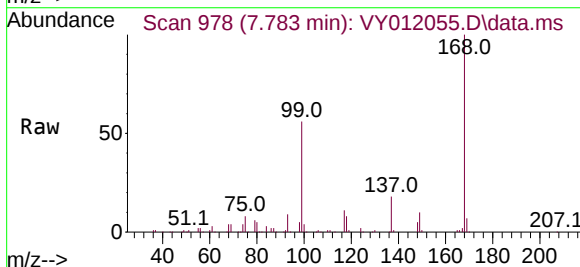
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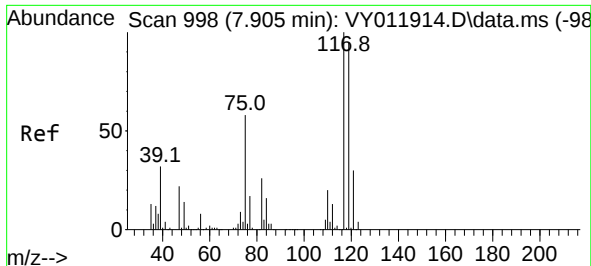
Tgt Ion:113 Resp: 91548
Ion Ratio Lower Upper
113 100
111 101.8 83.0 124.4
192 21.5 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.179 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012055.D
Acq: 03 Jan 2023 18:29

Tgt Ion: 75 Resp: 12054
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.1#
77 0.0 25.1 37.7#

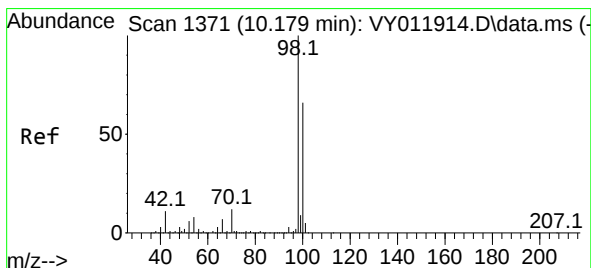
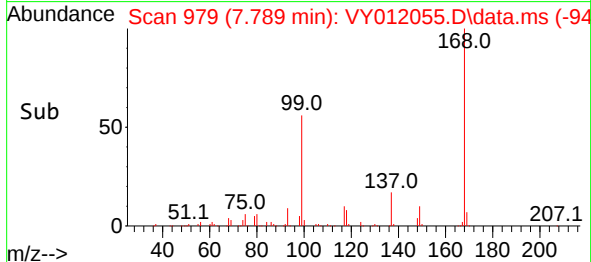
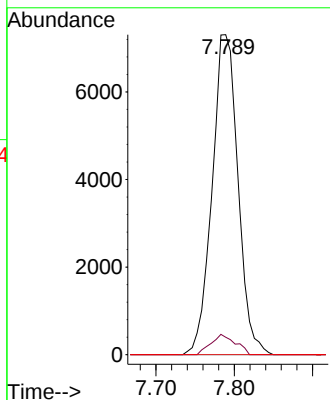
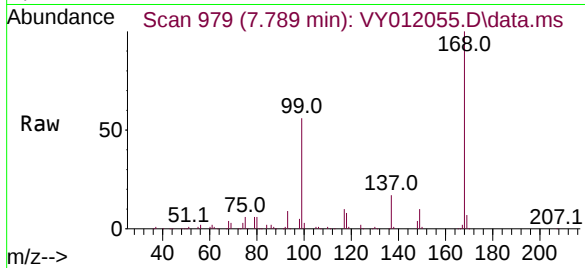




#38
Carbon Tetrachloride
Concen: 5.042 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012055.D
Acq: 03 Jan 2023 18:29

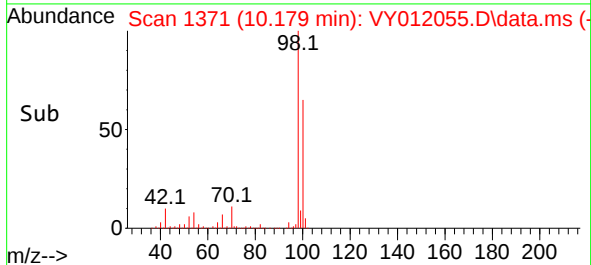
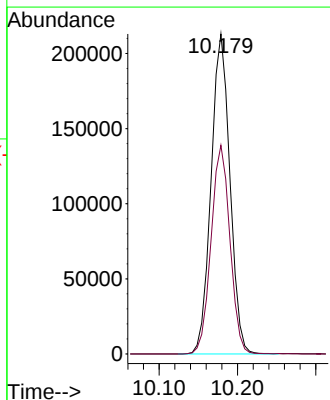
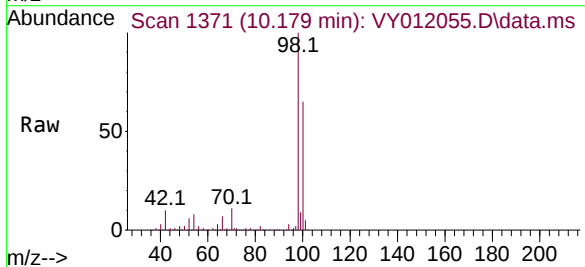
Instrument :
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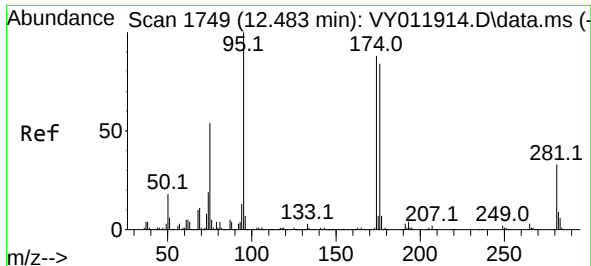
Tgt Ion:117 Resp: 16793
Ion Ratio Lower Upper
117 100
119 5.4 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 48.785 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012055.D
Acq: 03 Jan 2023 18:29

Tgt Ion: 98 Resp: 355895
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9

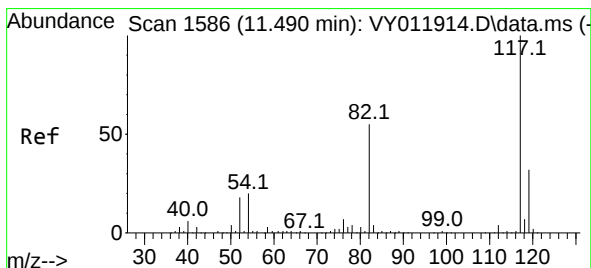
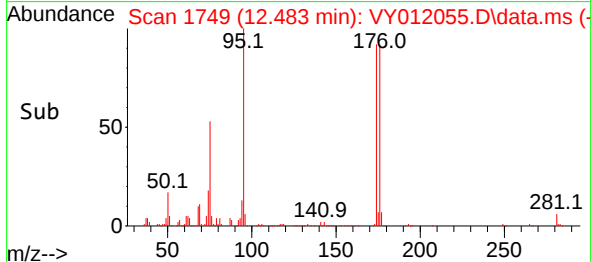
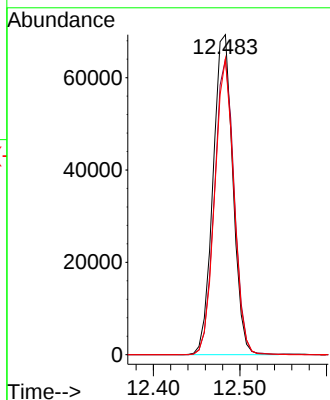
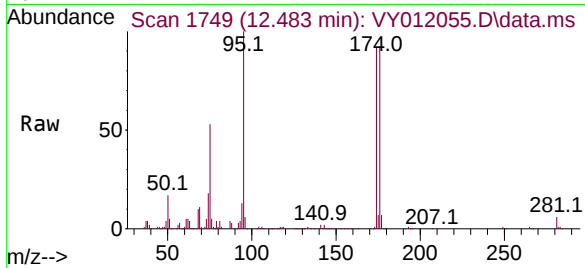




#62
4-Bromofluorobenzene
Concen: 44.974 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012055.D
Acq: 03 Jan 2023 18:29

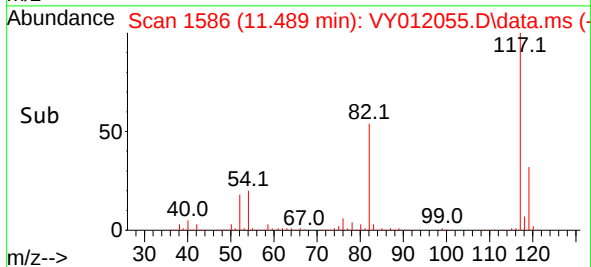
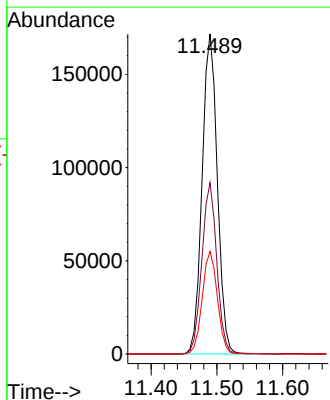
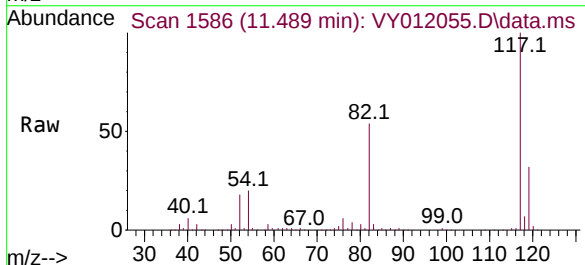
Instrument :
MSVOA_Y
ClientSampleId :
VOC

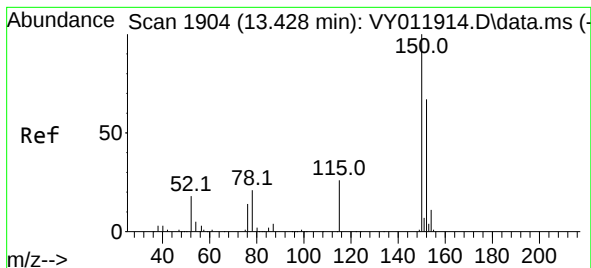
Tgt Ion: 95 Resp: 110344
Ion Ratio Lower Upper
95 100
174 91.8 0.0 172.0
176 89.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012055.D
Acq: 03 Jan 2023 18:29

Tgt Ion: 117 Resp: 276392
Ion Ratio Lower Upper
117 100
82 53.5 44.8 67.2
119 32.1 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: VY012055.D

Acq: 03 Jan 2023 18:29

Instrument :

MSVOA_Y

ClientSampleId :

VOC

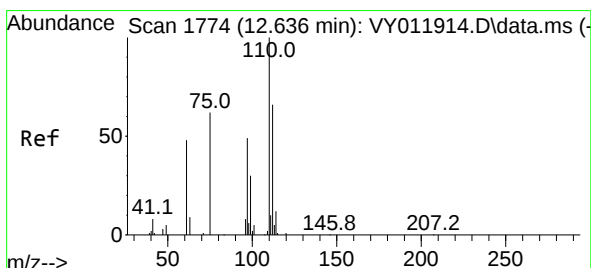
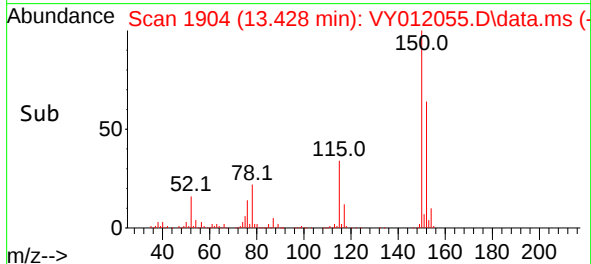
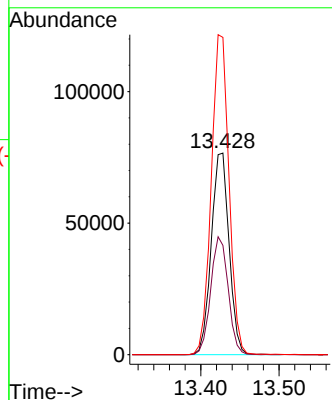
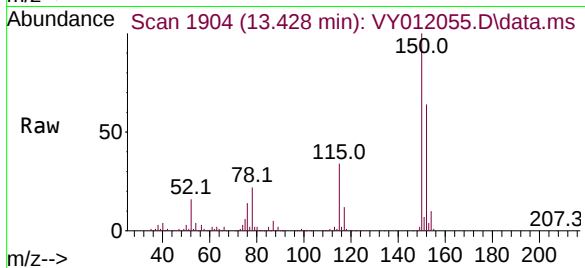
Tgt Ion:152 Resp: 120910

Ion Ratio Lower Upper

152 100

115 57.2 29.1 87.3

150 157.7 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 38.839 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY012055.D

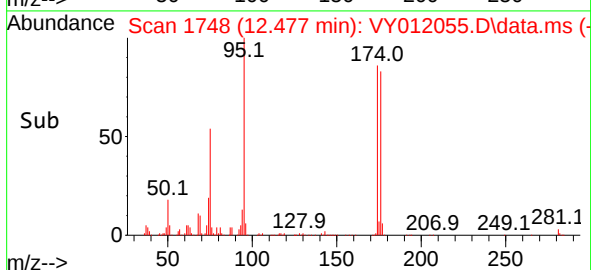
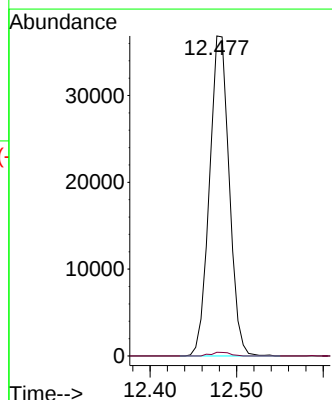
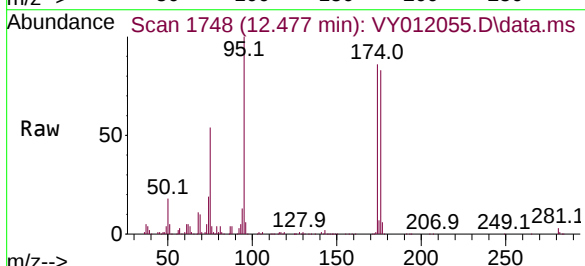
Acq: 03 Jan 2023 18:29

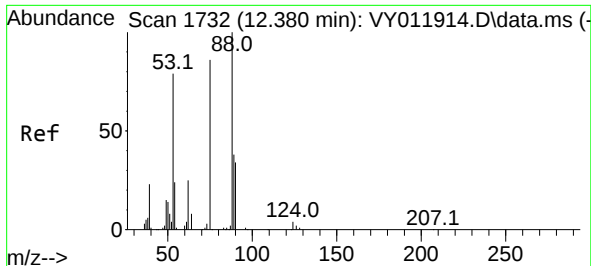
Tgt Ion: 75 Resp: 58435

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

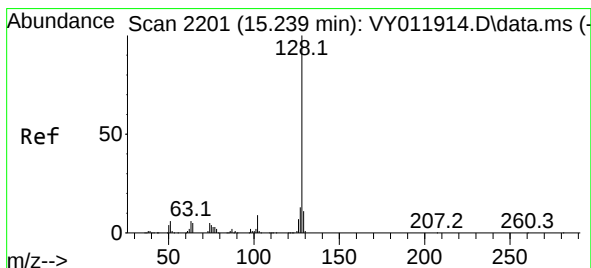
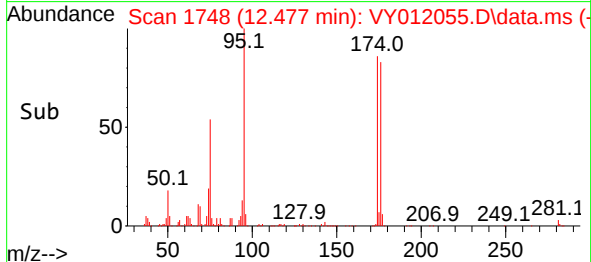
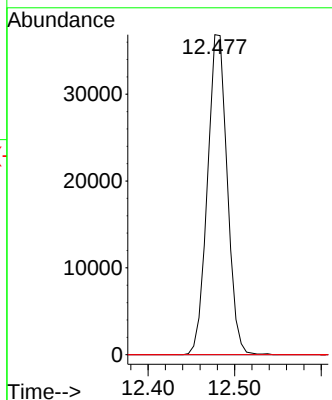
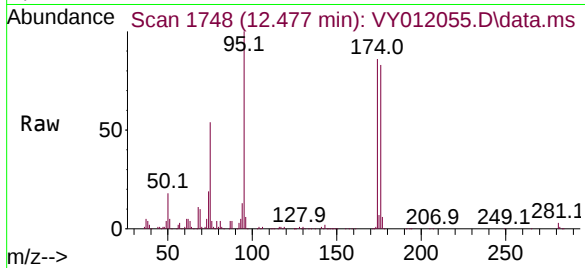




#81
trans-1,4-Dichloro-2-butene
Concen: 106.362 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY012055.D
Acq: 03 Jan 2023 18:29

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 75 Resp: 58435
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 2.823 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY012055.D
Acq: 03 Jan 2023 18:29

Tgt Ion: 128 Resp: 209
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

