

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083122\
 Data File : VY010247.D
 Acq On : 31 Aug 2022 15:54
 Operator : KP/MD
 Sample : N4328-02RE
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Aug 31 23:41:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 02:23:17 2022
 Response via : Initial Calibration

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

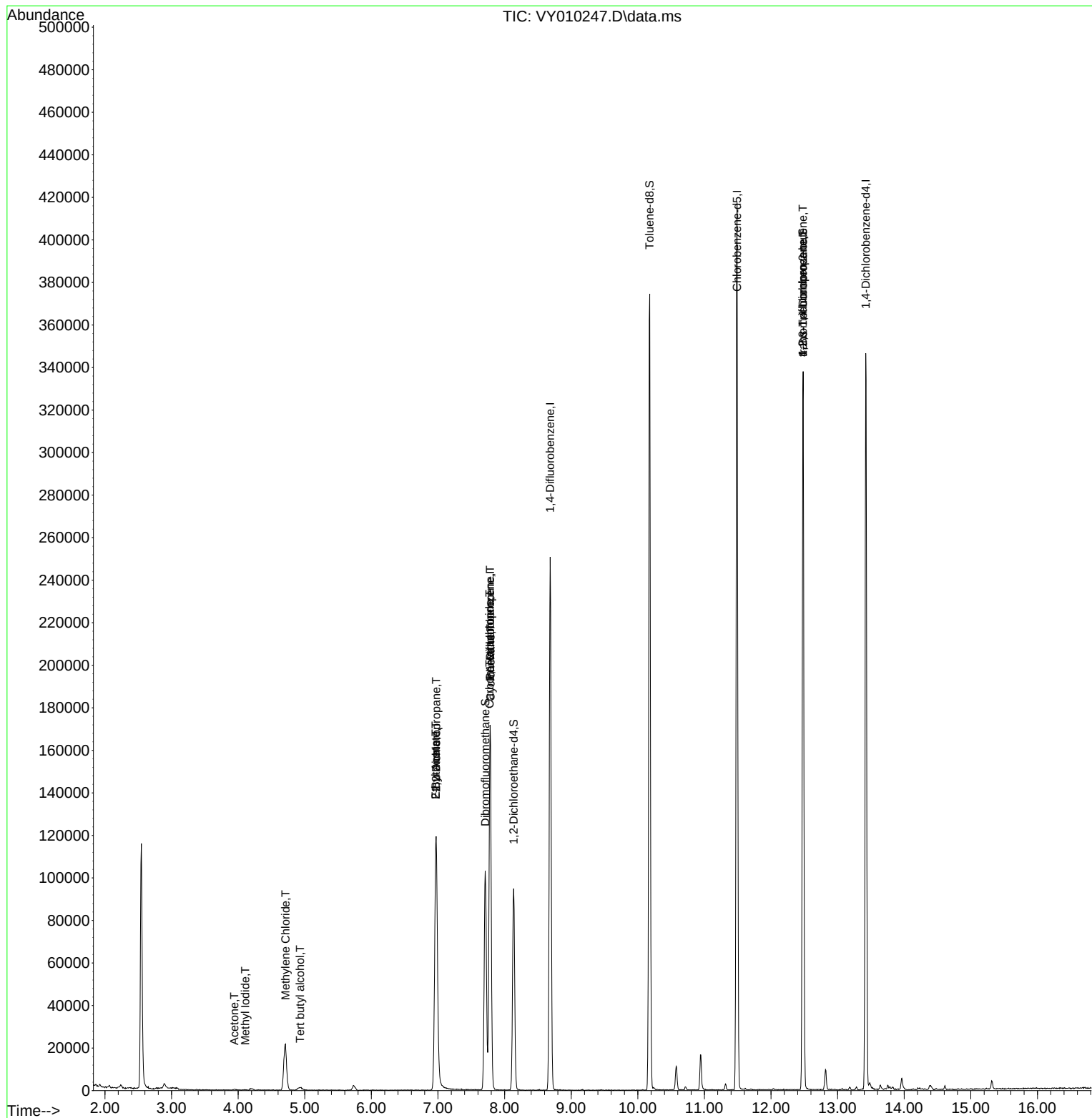
Internal Standards						
1) Pentafluorobenzene	7.782	168	144764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	227719	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	238499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	99880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	75383	61.785	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.580%			
35) Dibromofluoromethane	7.709	113	73702	56.180	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.360%			
50) Toluene-d8	10.178	98	251424	51.867	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.740%			
62) 4-Bromofluorobenzene	12.477	95	101347	55.860	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.720%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.106	142	178	1.543	ug/l #	35
11) Tert butyl alcohol	4.929	59	1825	14.966	ug/l #	77
16) Acetone	3.942	43	691	2.696	ug/l	93
20) Methylene Chloride	4.710	84	16973	11.248	ug/l #	80
25) 2-Butanone	6.966	43	5533	12.536	ug/l #	74
26) 2,2-Dichloropropane	6.972	77	9304	4.467	ug/l #	55
31) Cyclohexane	7.789	56	2346	1.077	ug/l #	1
36) 1,1-Dichloropropene	7.782	75	9677	4.873	ug/l #	52
37) Ethyl Acetate	6.966	43	5533	5.286	ug/l #	1
38) Carbon Tetrachloride	7.776	117	12818	5.625	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	48608	49.493	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	48608	103.258	ug/l #	7

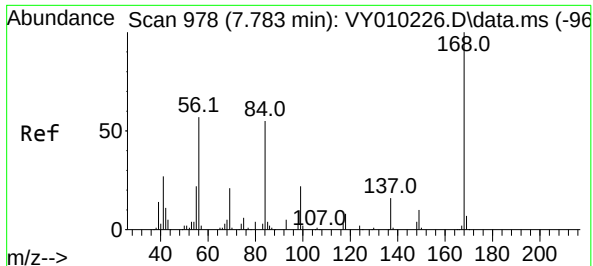
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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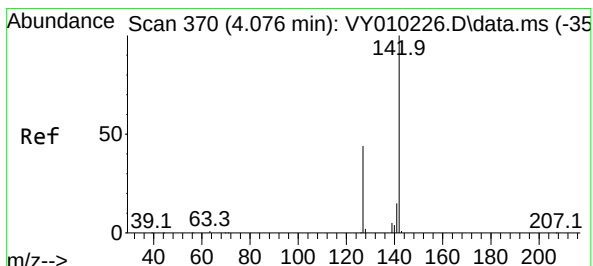
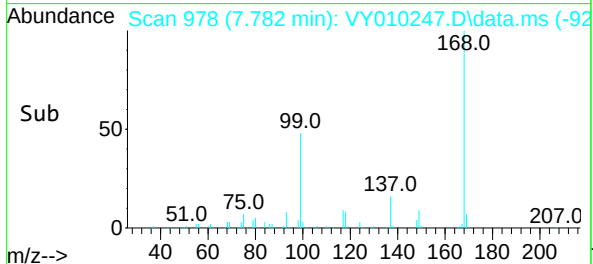
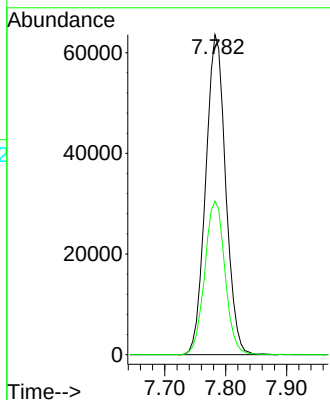
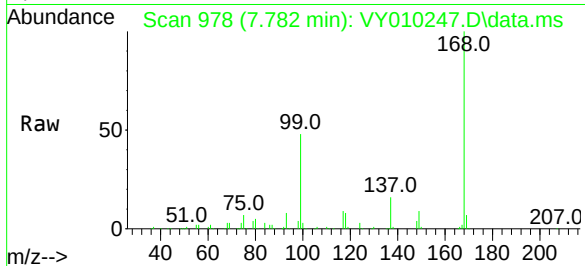




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY010247.D
Acq: 31 Aug 2022 15:54

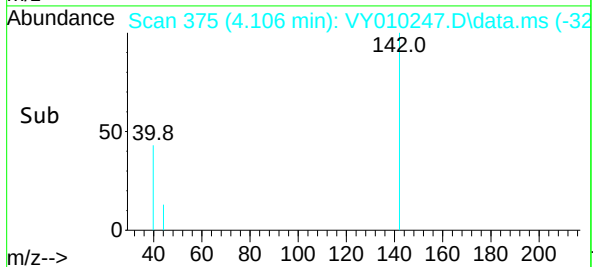
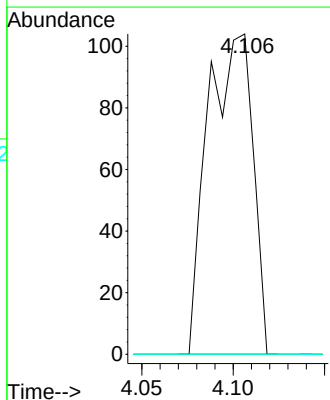
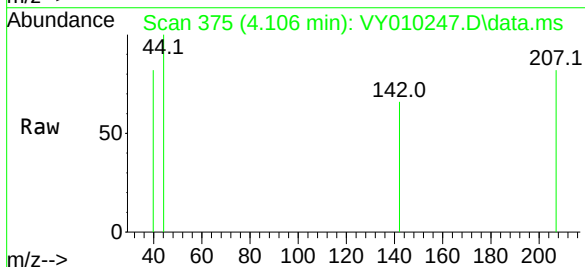
Instrument :
MSVOA_Y
ClientSampleId :
VOC

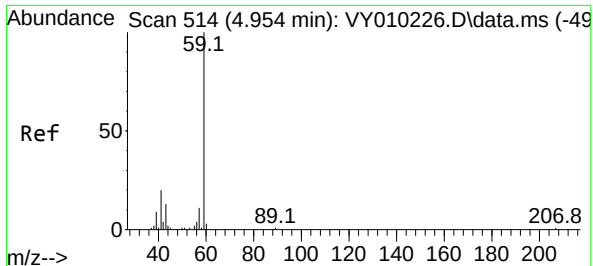
Tgt Ion:168 Resp: 144764
Ion Ratio Lower Upper
168 100
99 48.0 46.9 70.3



#10
Methyl Iodide
Concen: 1.543 ug/l
RT: 4.106 min Scan# 375
Delta R.T. 0.030 min
Lab File: VY010247.D
Acq: 31 Aug 2022 15:54

Tgt Ion:142 Resp: 178
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 14.966 ug/l

RT: 4.929 min Scan# 514

Delta R.T. -0.025 min

Lab File: VY010247.D

Acq: 31 Aug 2022 15:54

Instrument :

MSVOA_Y

ClientSampleId :

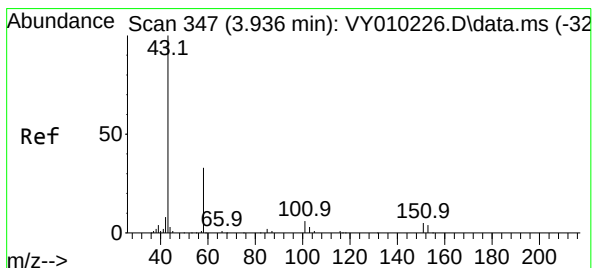
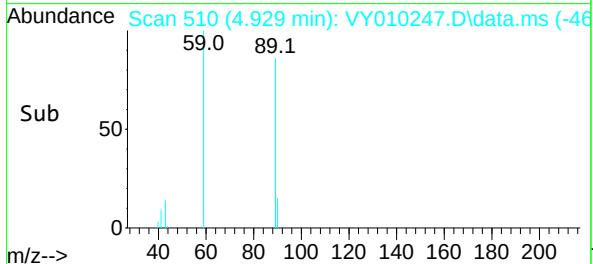
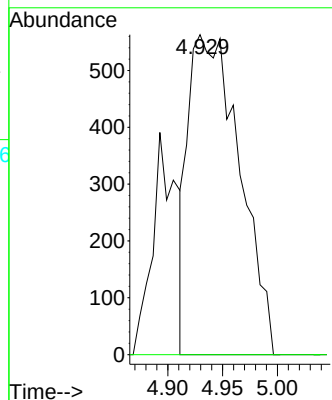
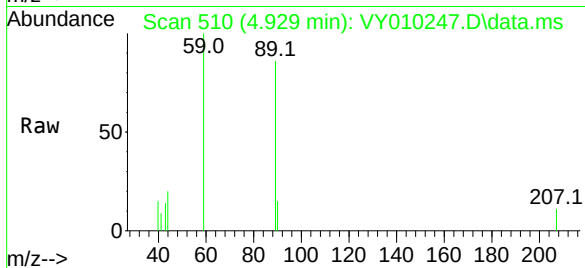
VOC

Tgt Ion: 59 Resp: 1825

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 2.696 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY010247.D

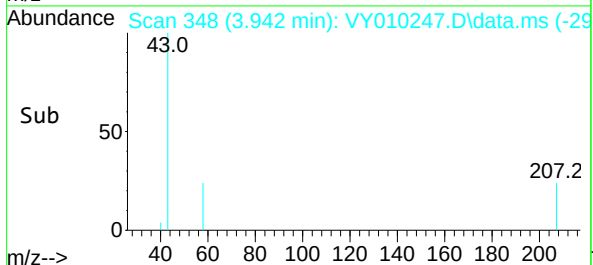
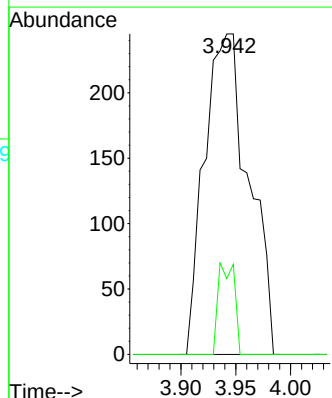
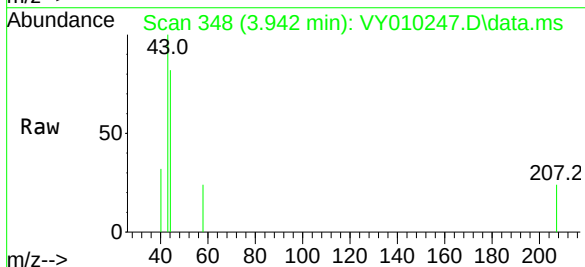
Acq: 31 Aug 2022 15:54

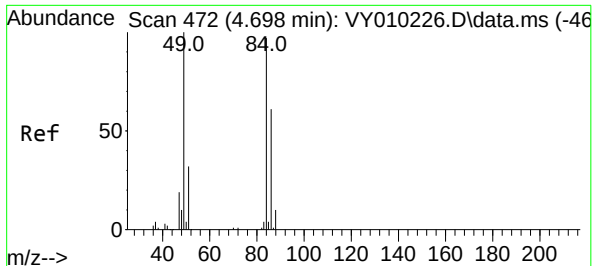
Tgt Ion: 43 Resp: 691

Ion Ratio Lower Upper

43 100

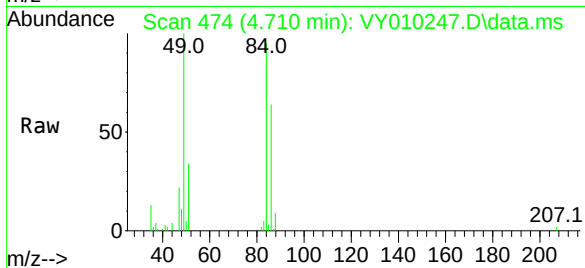
58 23.7 22.0 33.0



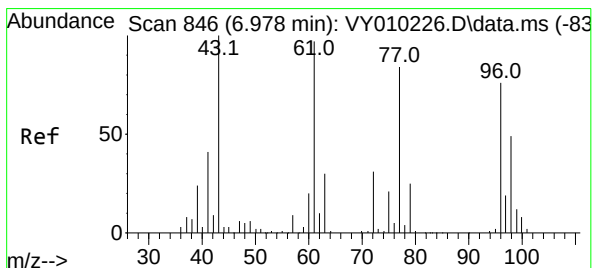
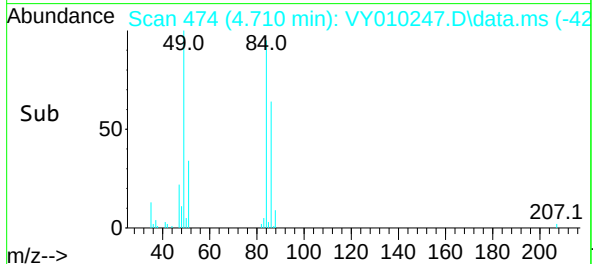
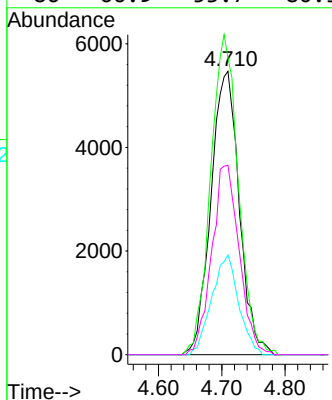


#20
Methylene Chloride
Concen: 11.248 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY010247.D
Acq: 31 Aug 2022 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VOC

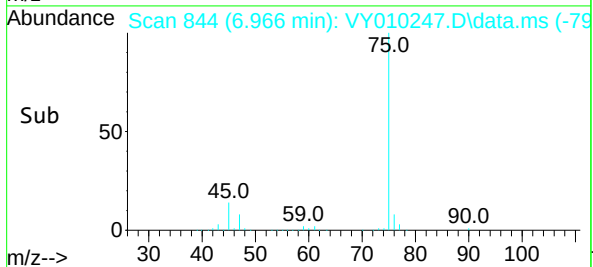
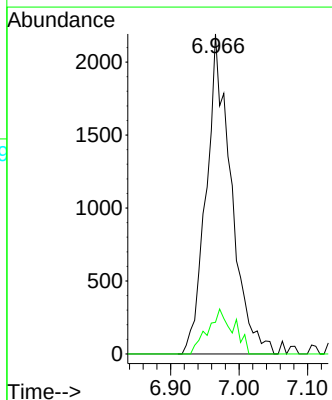
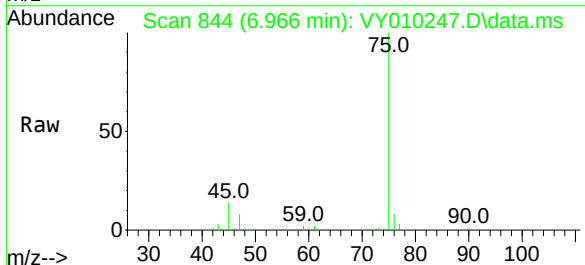


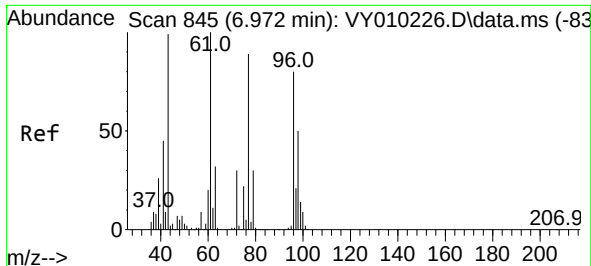
Tgt Ion: 84 Resp: 16973
Ion Ratio Lower Upper
84 100
49 104.7 114.4 171.6#
51 35.2 35.3 52.9#
86 66.9 53.7 80.5



#25
2-Butanone
Concen: 12.536 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.013 min
Lab File: VY010247.D
Acq: 31 Aug 2022 15:54

Tgt Ion: 43 Resp: 5533
Ion Ratio Lower Upper
43 100
72 9.9 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 4.467 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY010247.D

Acq: 31 Aug 2022 15:54

Instrument :

MSVOA_Y

ClientSampleId :

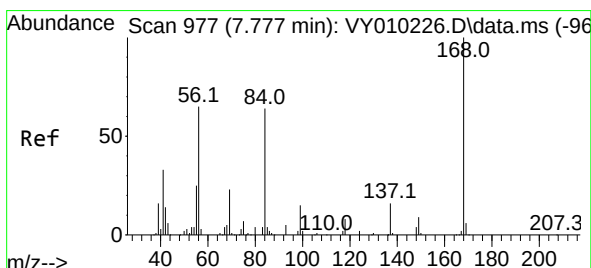
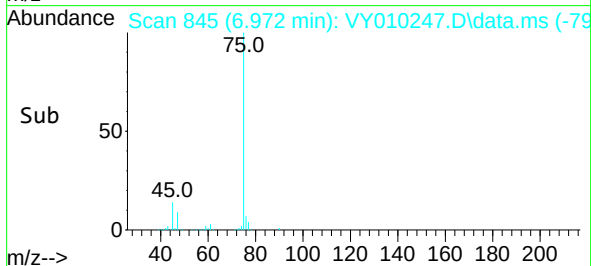
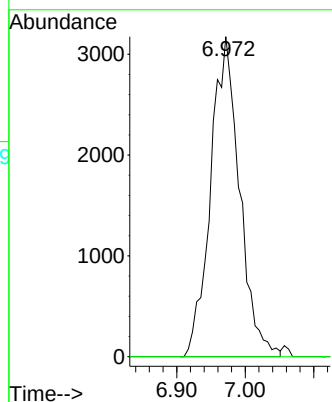
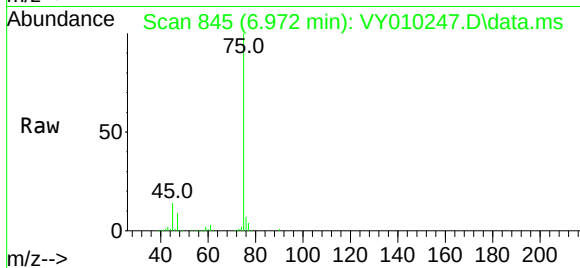
VOC

Tgt Ion: 77 Resp: 9304

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.077 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.012 min

Lab File: VY010247.D

Acq: 31 Aug 2022 15:54

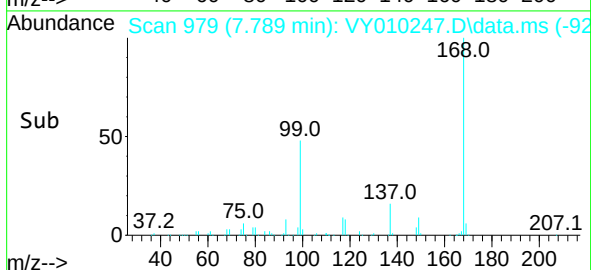
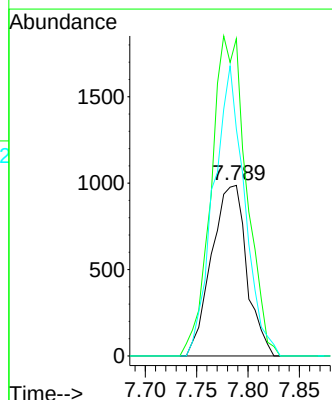
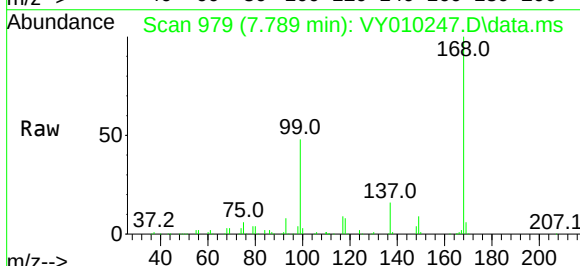
Tgt Ion: 56 Resp: 2346

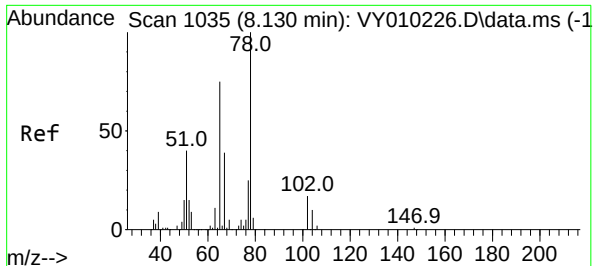
Ion Ratio Lower Upper

56 100

69 186.0 26.7 40.1#

84 133.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 61.785 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY010247.D

Acq: 31 Aug 2022 15:54

Instrument :

MSVOA_Y

ClientSampleId :

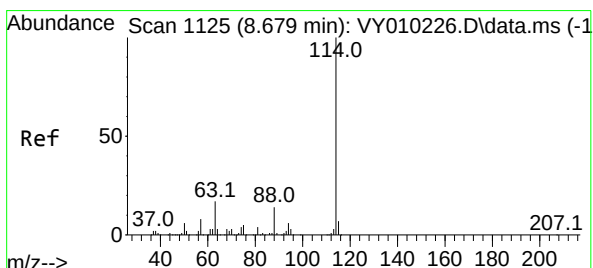
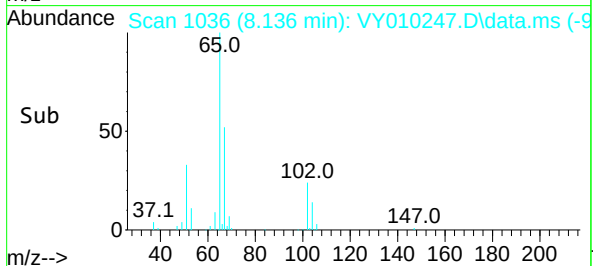
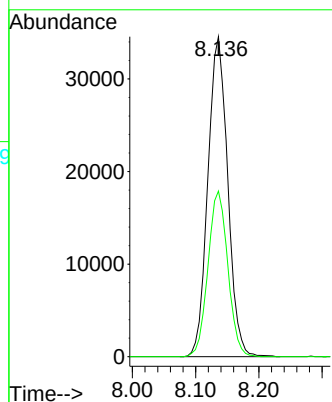
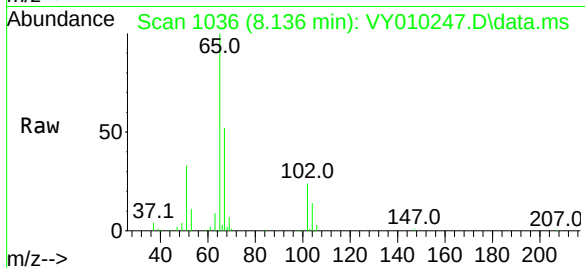
VOC

Tgt Ion: 65 Resp: 75383

Ion Ratio Lower Upper

65 100

67 51.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY010247.D

Acq: 31 Aug 2022 15:54

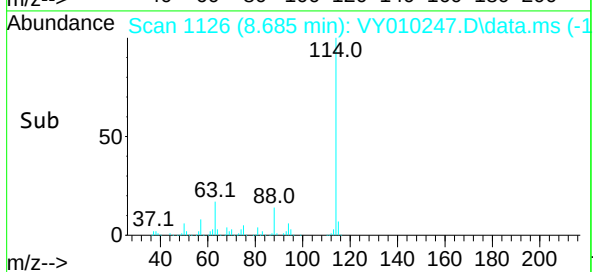
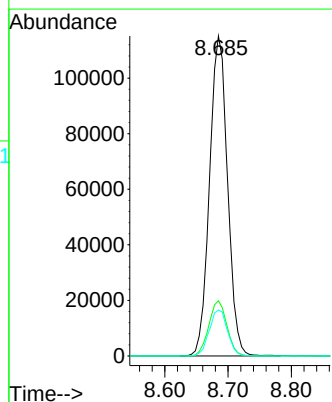
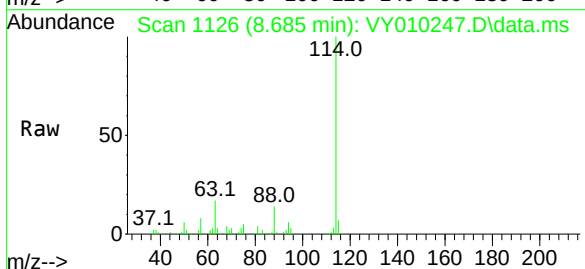
Tgt Ion: 114 Resp: 227719

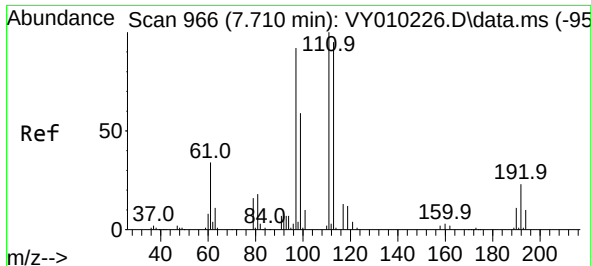
Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

88 14.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 56.180 ug/l

RT: 7.709 min Scan# 91

Delta R.T. -0.001 min

Lab File: VY010247.D

Acq: 31 Aug 2022 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VOC

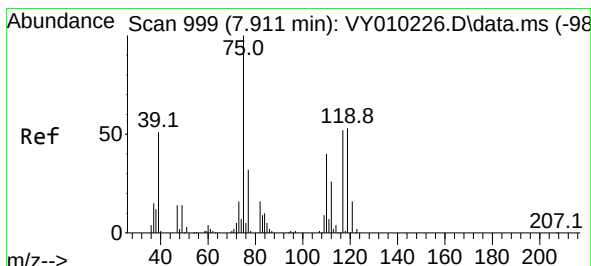
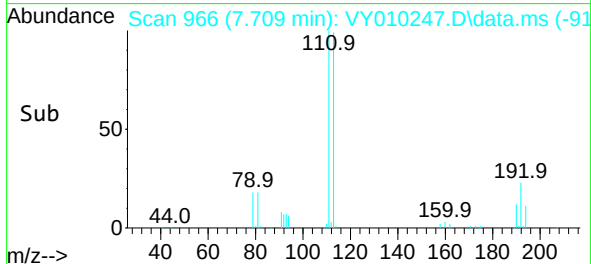
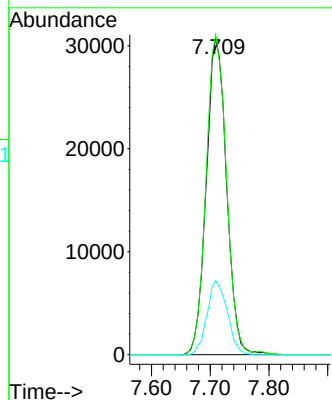
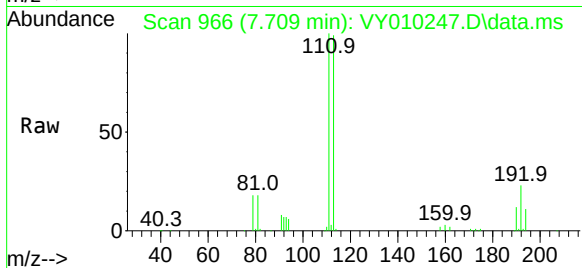
Tgt Ion:113 Resp: 73702

Ion Ratio Lower Upper

113 100

111 101.1 82.6 124.0

192 23.4 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.873 ug/l

RT: 7.782 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY010247.D

Acq: 31 Aug 2022 15:54

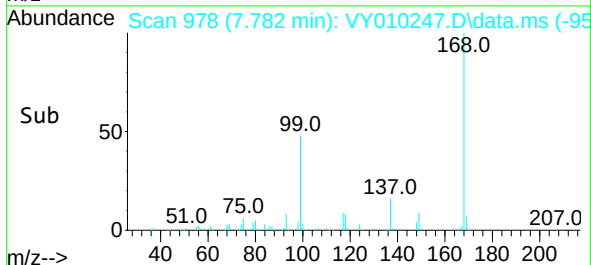
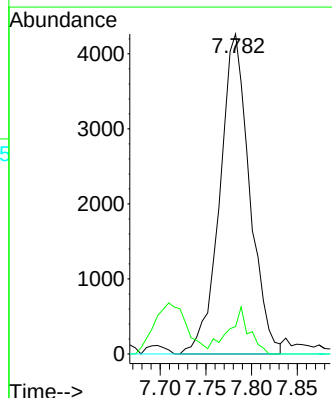
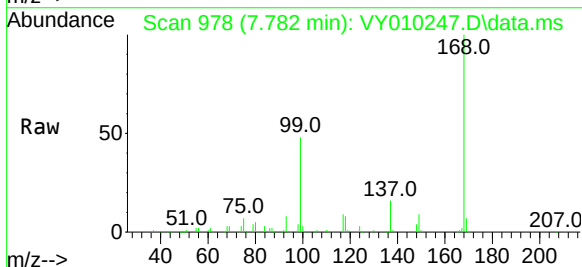
Tgt Ion: 75 Resp: 9677

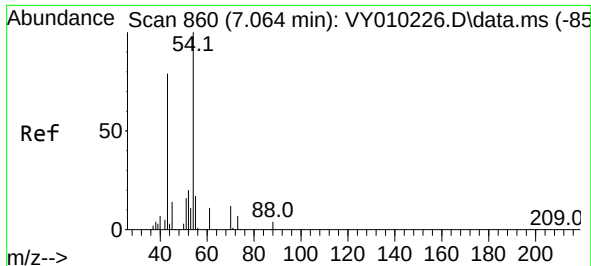
Ion Ratio Lower Upper

75 100

110 10.3 17.1 51.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 5.286 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY010247.D

Acq: 31 Aug 2022 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VOC

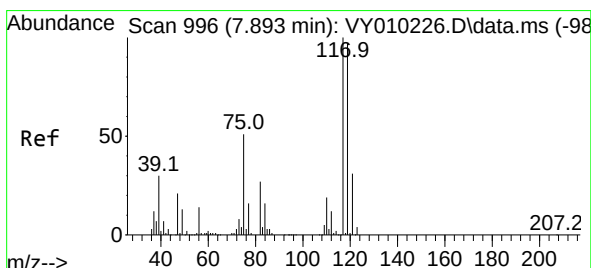
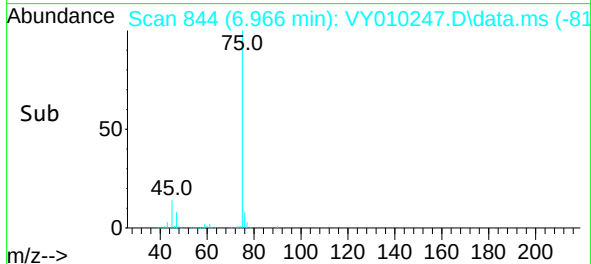
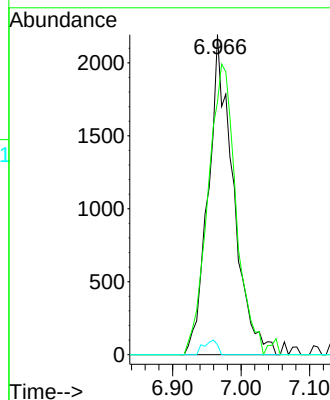
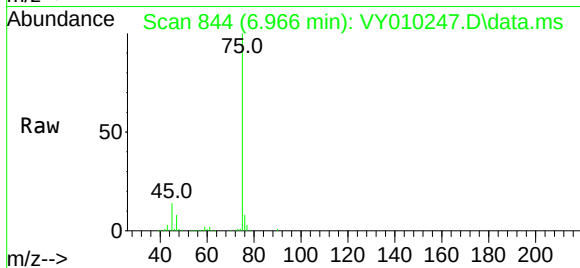
Tgt Ion: 43 Resp: 5533

Ion Ratio Lower Upper

43 100

61 102.2 9.7 14.5#

70 2.5 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.625 ug/l

RT: 7.776 min Scan# 977

Delta R.T. -0.116 min

Lab File: VY010247.D

Acq: 31 Aug 2022 15:54

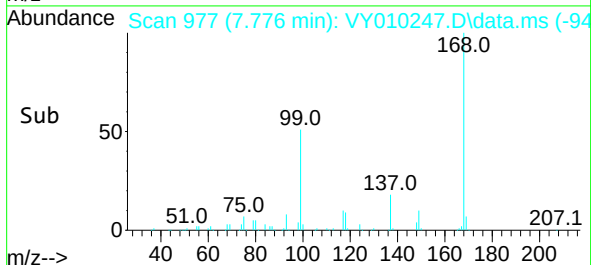
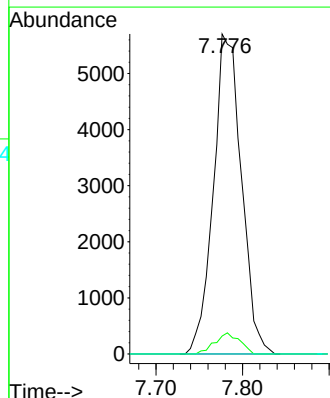
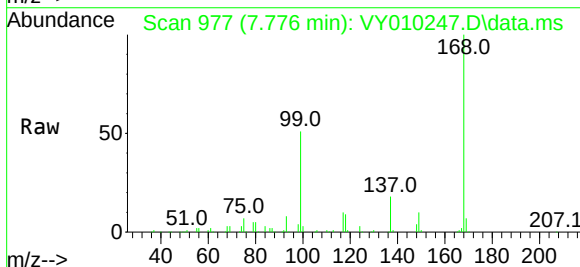
Tgt Ion: 117 Resp: 12818

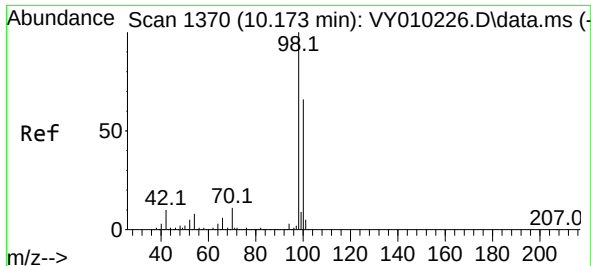
Ion Ratio Lower Upper

117 100

119 5.6 77.9 116.9#

121 0.0 24.8 37.2#

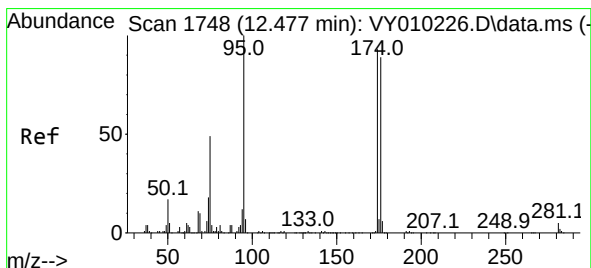
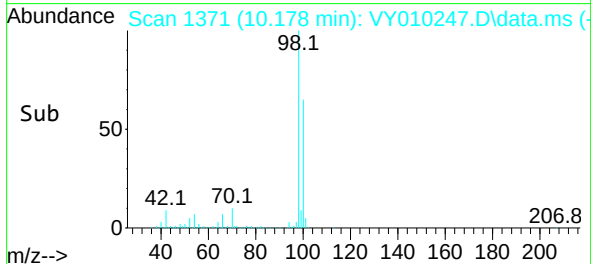
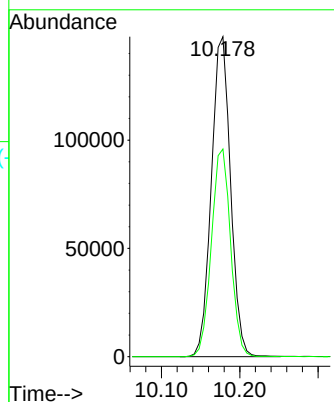
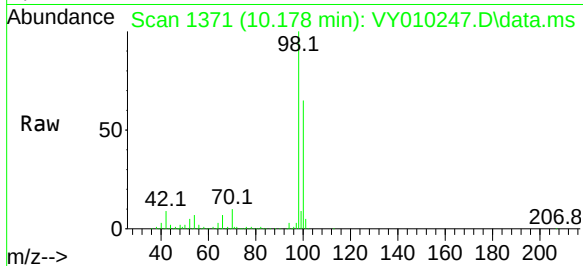




#50
Toluene-d8
Concen: 51.867 ug/l
RT: 10.178 min Scan# 11
Delta R.T. 0.005 min
Lab File: VY010247.D
Acq: 31 Aug 2022 15:54

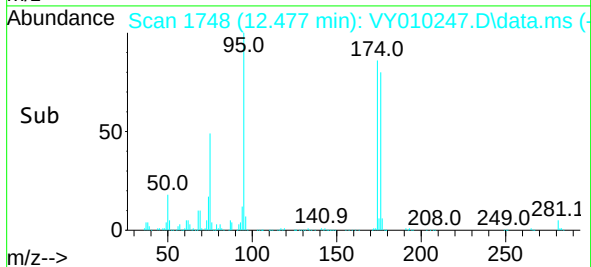
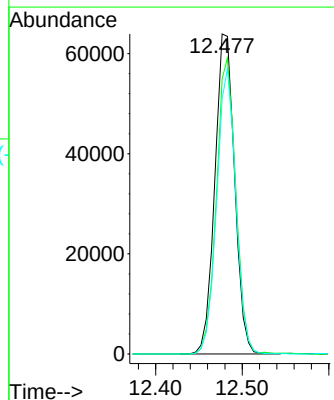
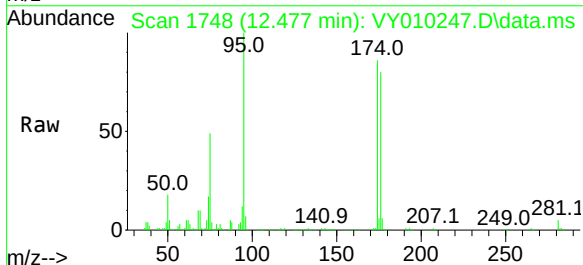
Instrument :
MSVOA_Y
ClientSampleId :
VOC

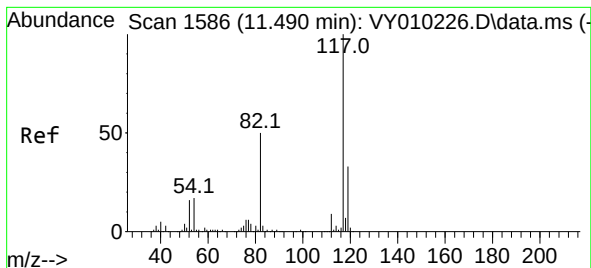
Tgt Ion: 98 Resp: 251424
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 55.860 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY010247.D
Acq: 31 Aug 2022 15:54

Tgt Ion: 95 Resp: 101347
Ion Ratio Lower Upper
95 100
174 90.7 0.0 177.0
176 86.2 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY010247.D

Acq: 31 Aug 2022 15:54

Instrument :

MSVOA_Y

ClientSampleId :

VOC

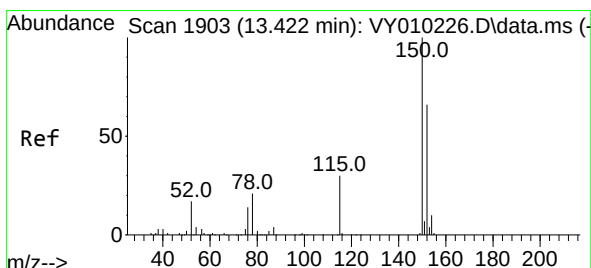
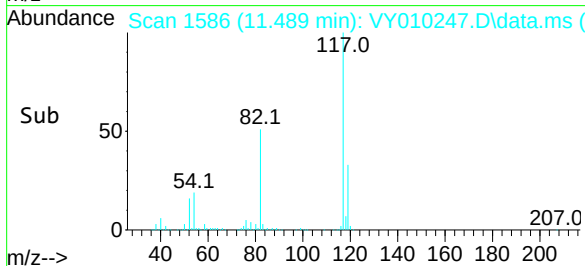
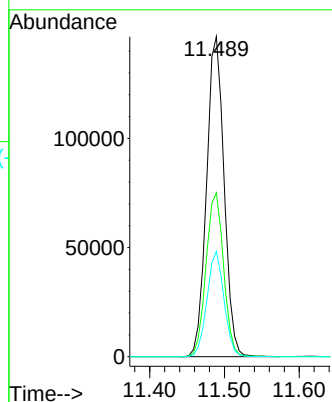
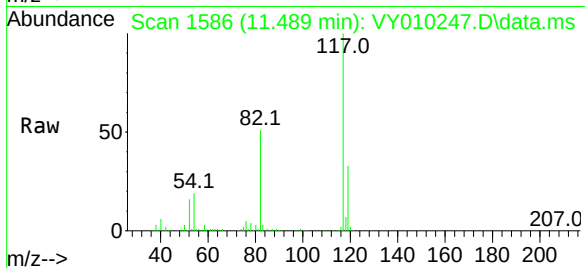
Tgt Ion:117 Resp: 238499

Ion Ratio Lower Upper

117 100

82 51.2 43.0 64.4

119 32.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY010247.D

Acq: 31 Aug 2022 15:54

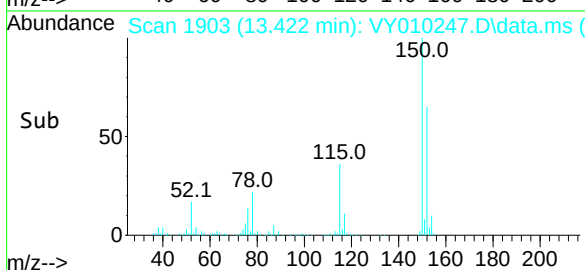
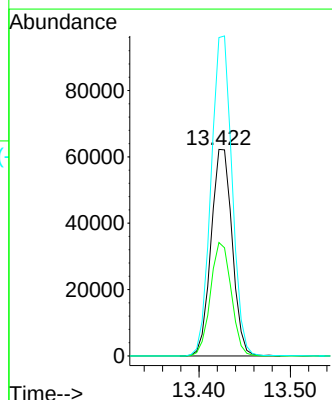
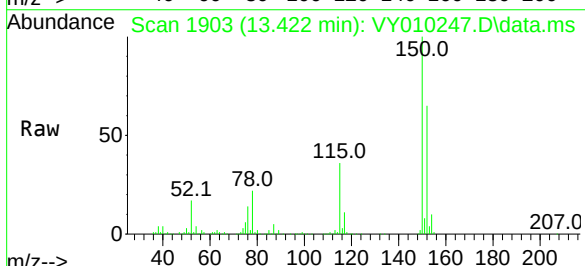
Tgt Ion:152 Resp: 99880

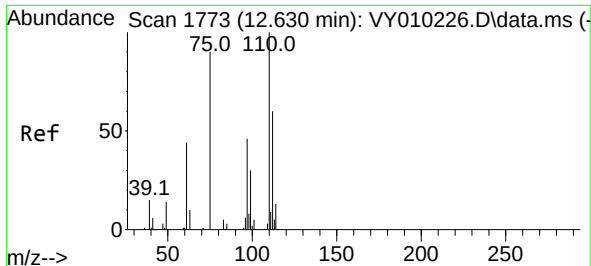
Ion Ratio Lower Upper

152 100

115 54.0 28.2 84.7

150 154.0 0.0 347.6

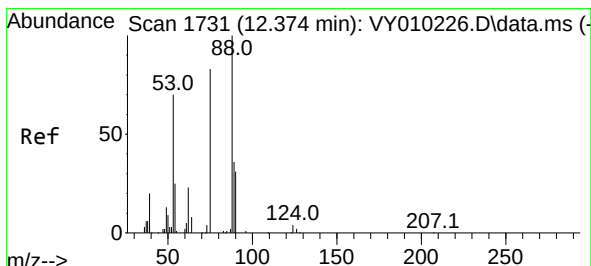
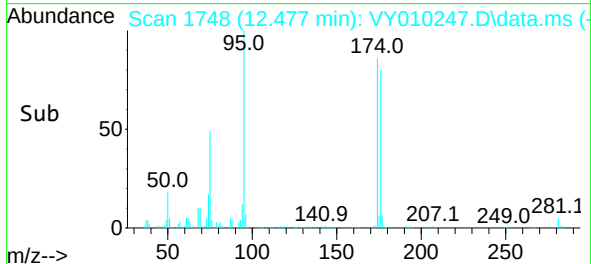
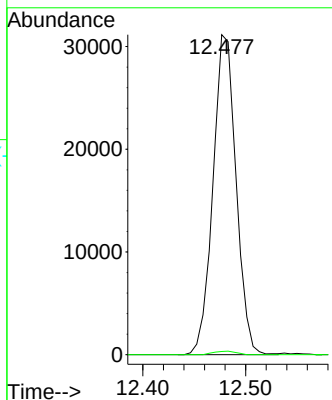
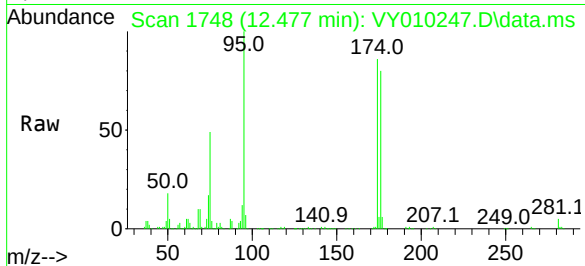




#76
1,2,3-Trichloropropane
Concen: 49.493 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010247.D
Acq: 31 Aug 2022 15:54

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 75 Resp: 48608
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.258 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010247.D
Acq: 31 Aug 2022 15:54

Tgt Ion: 75 Resp: 48608
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.2 37.0 55.4#

