

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111023\
 Data File : VY016311.D
 Acq On : 10 Nov 2023 18:00
 Operator : SY/MD
 Sample : 05380-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-7-VOC

Quant Time: Nov 10 22:23:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

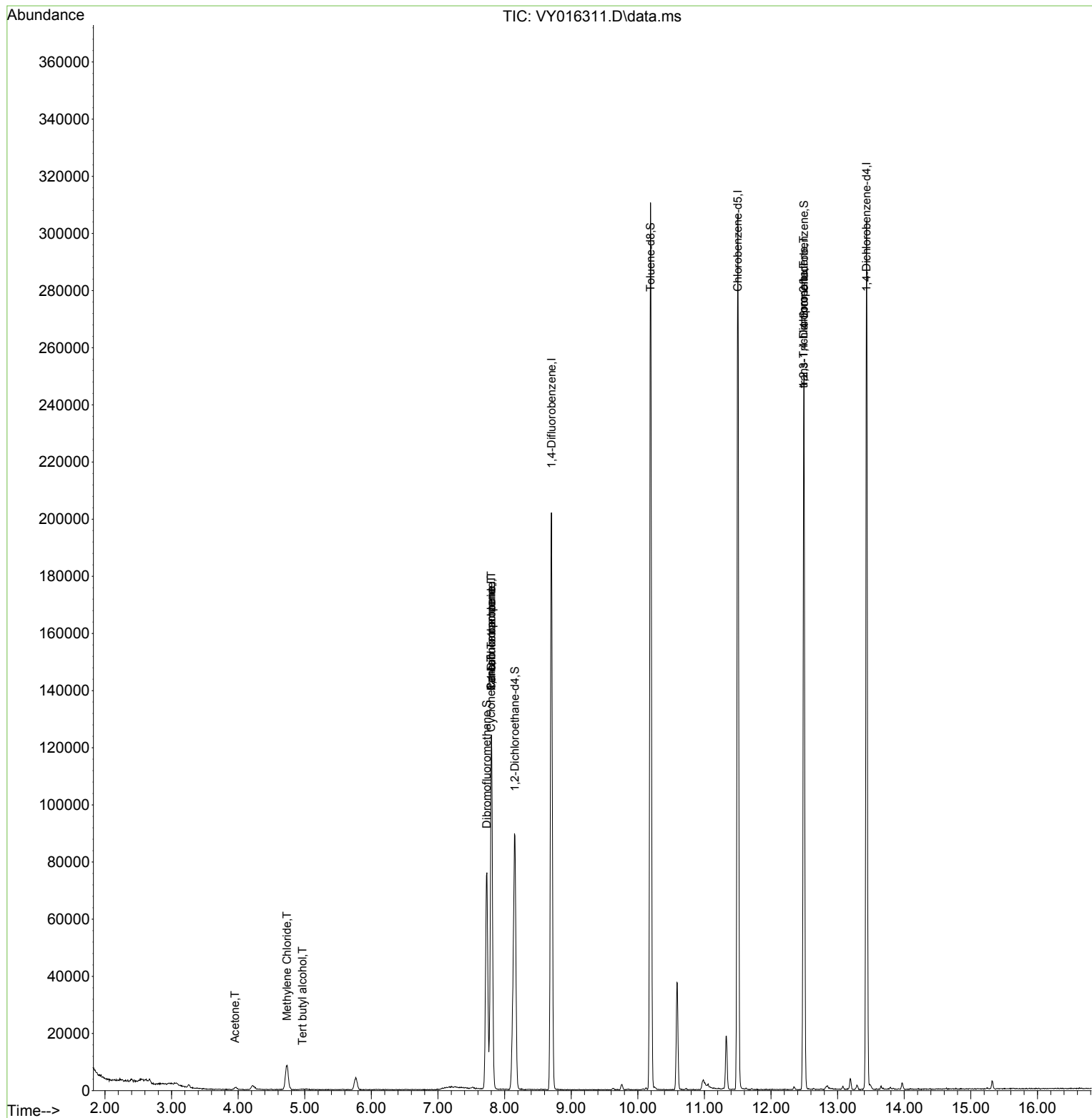
Internal Standards						
1) Pentafluorobenzene	7.801	168	96749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	175498	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	167783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	79413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	62980	71.224	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	142.440%
35) Dibromofluoromethane	7.734	113	54902	55.071	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.140%
50) Toluene-d8	10.191	98	206225	51.010	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.020%
62) 4-Bromofluorobenzene	12.495	95	72935	55.547	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	111.100%
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	333	4.809	ug/l #	89
16) Acetone	3.954	43	1553	10.618	ug/l	92
20) Methylene Chloride	4.735	84	6806	3.339	ug/l #	85
31) Cyclohexane	7.795	56	1756	1.009	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	7557	4.365	ug/l #	50
38) Carbon Tetrachloride	7.801	117	9551	5.316	ug/l #	15
76) 1,2,3-Trichloropropane	12.489	75	37101	48.702	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	37101	105.711	ug/l #	11

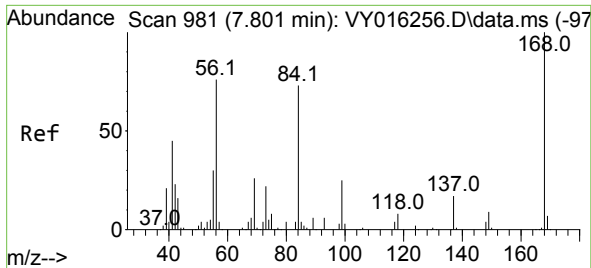
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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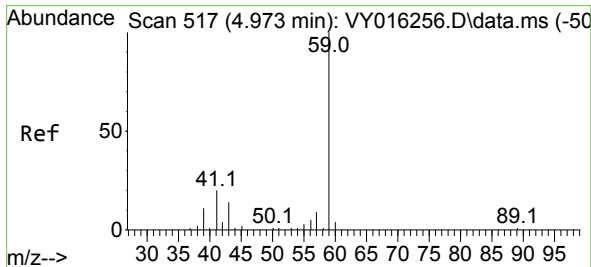
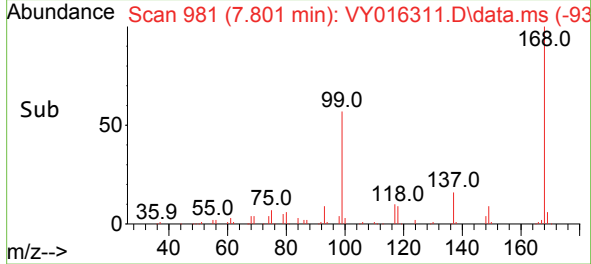
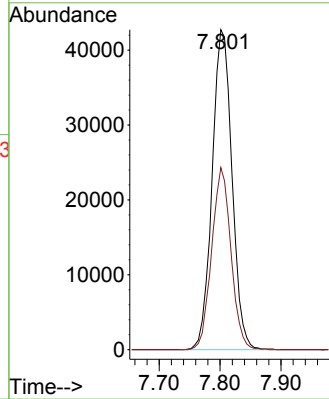
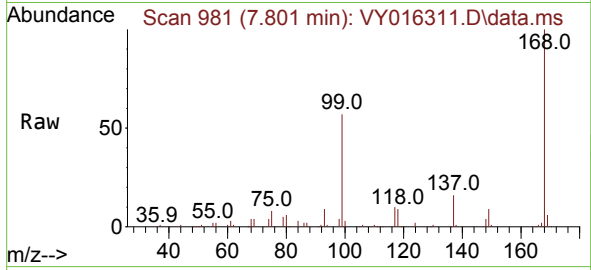




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016311.D
Acq: 10 Nov 2023 18:00

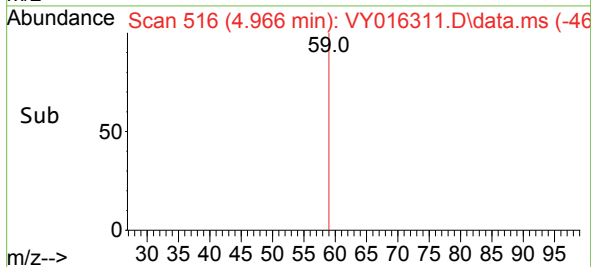
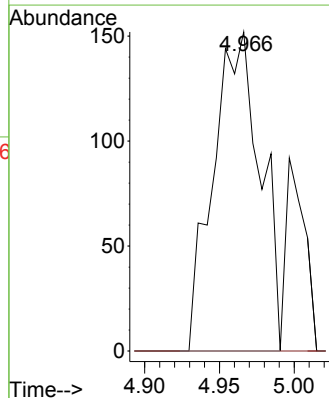
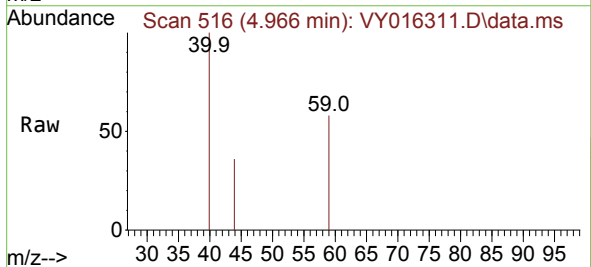
Instrument :
MSVOA_Y
ClientSampleId :
WC-7-VOC

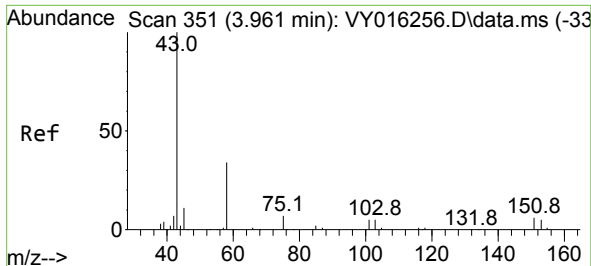
Tgt Ion:168 Resp: 96749
Ion Ratio Lower Upper
168 100
99 56.9 43.4 65.0



#11
Tert butyl alcohol
Concen: 4.809 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY016311.D
Acq: 10 Nov 2023 18:00

Tgt Ion: 59 Resp: 333
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

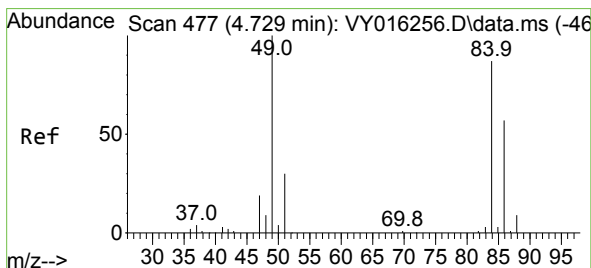
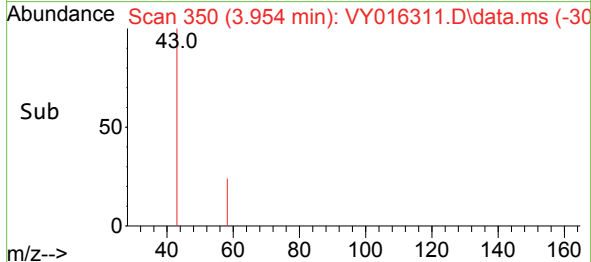
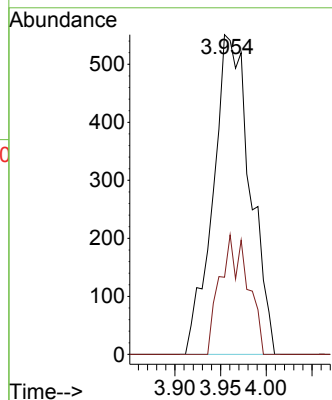
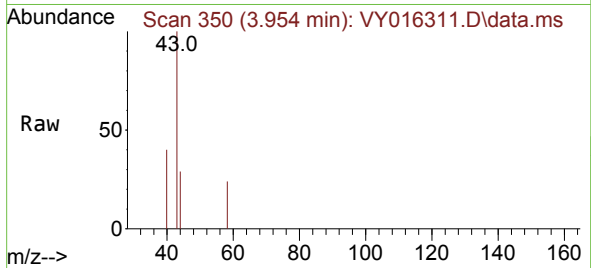




#16
Acetone
Concen: 10.618 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY016311.D
Acq: 10 Nov 2023 18:00

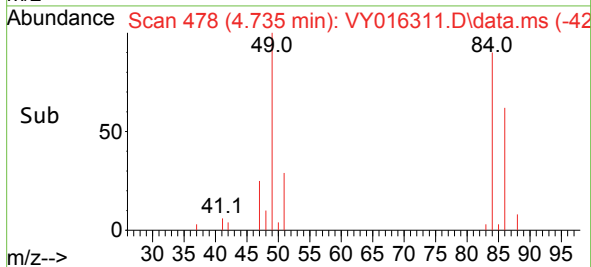
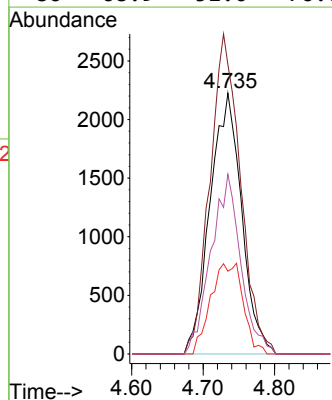
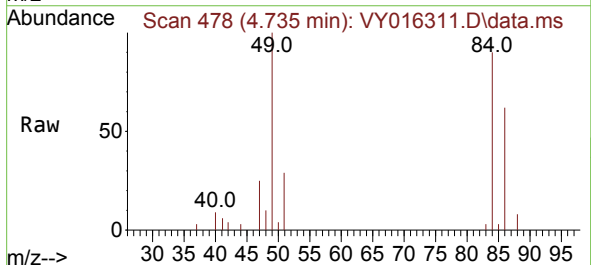
Instrument :
MSVOA_Y
ClientSampleId :
WC-7-VOC

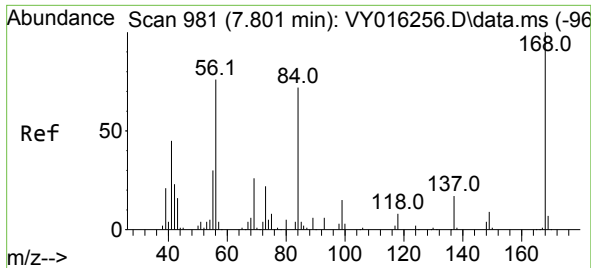
Tgt Ion: 43 Resp: 1553
Ion Ratio Lower Upper
43 100
58 24.1 22.7 34.1



#20
Methylene Chloride
Concen: 3.339 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.006 min
Lab File: VY016311.D
Acq: 10 Nov 2023 18:00

Tgt Ion: 84 Resp: 6806
Ion Ratio Lower Upper
84 100
49 111.0 106.9 160.3
51 31.7 33.2 49.8#
86 68.9 51.0 76.6

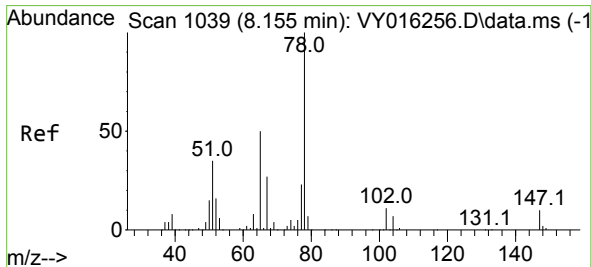
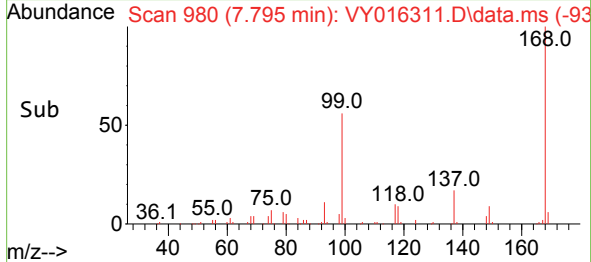
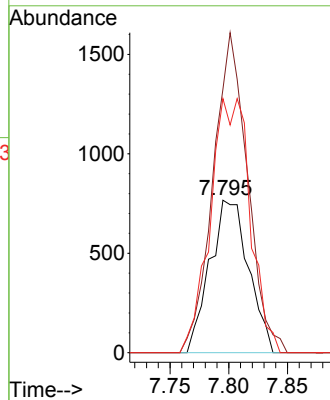
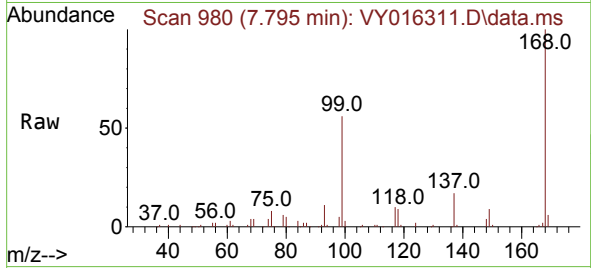




#31
Cyclohexane
Concen: 1.009 ug/l
RT: 7.795 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY016311.D
Acq: 10 Nov 2023 18:00

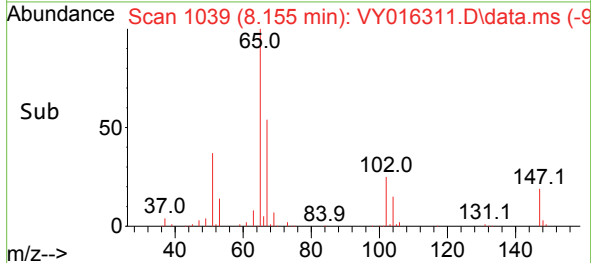
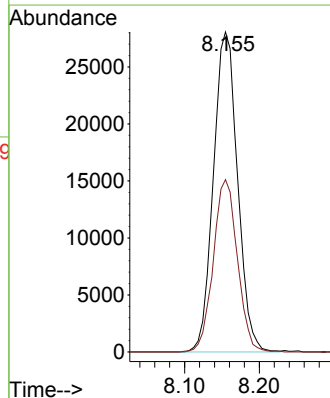
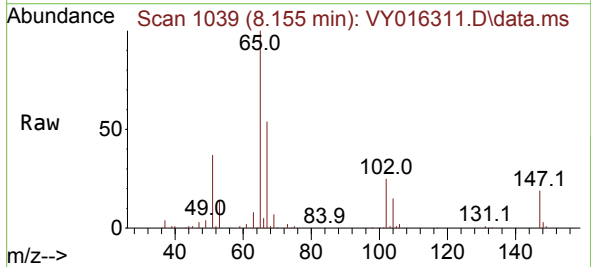
Instrument :
MSVOA_Y
ClientSampleId :
WC-7-VOC

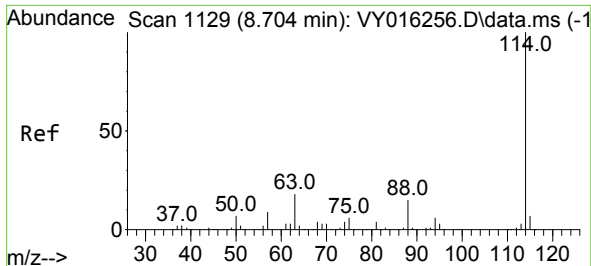
Tgt Ion: 56 Resp: 1756
Ion Ratio Lower Upper
56 100
69 172.6 27.8 41.6#
84 175.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 71.224 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY016311.D
Acq: 10 Nov 2023 18:00

Tgt Ion: 65 Resp: 62980
Ion Ratio Lower Upper
65 100
67 53.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VY016311.D

Acq: 10 Nov 2023 18:00

Instrument :

MSVOA_Y

ClientSampleId :

WC-7-VOC

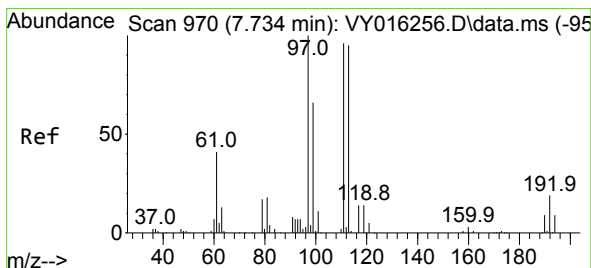
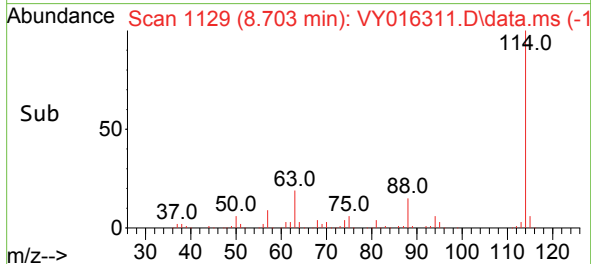
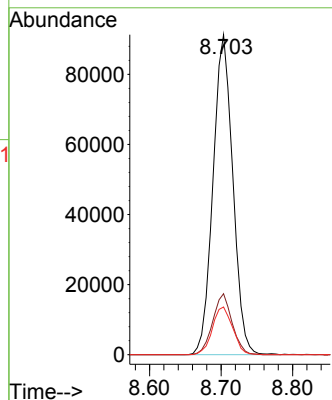
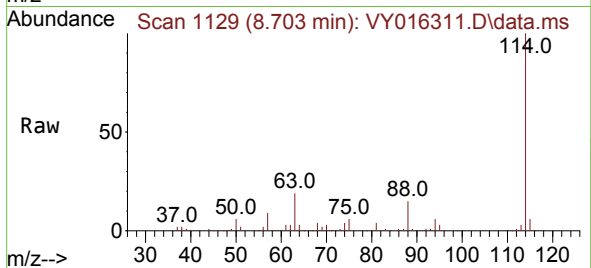
Tgt Ion:114 Resp: 175498

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.071 ug/l

RT: 7.734 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY016311.D

Acq: 10 Nov 2023 18:00

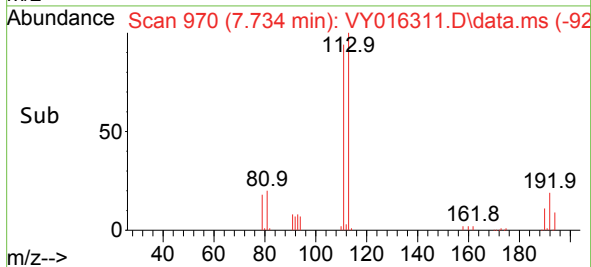
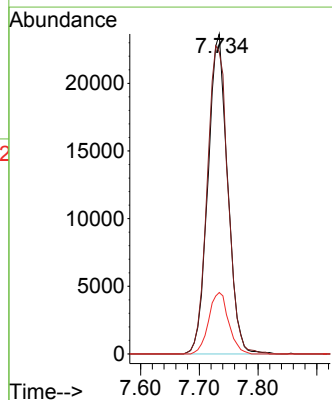
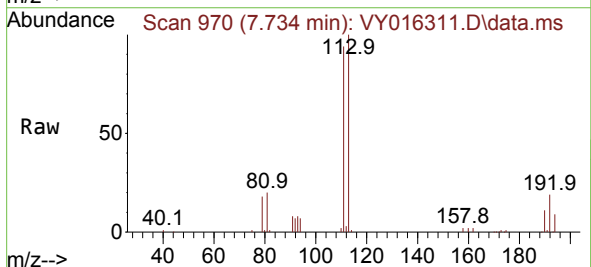
Tgt Ion:113 Resp: 54902

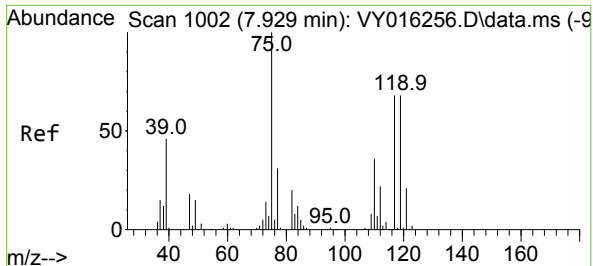
Ion Ratio Lower Upper

113 100

111 101.7 81.3 121.9

192 19.5 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.365 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.128 min

Lab File: VY016311.D

Acq: 10 Nov 2023 18:00

Instrument :

MSVOA_Y

ClientSampleId :

WC-7-VOC

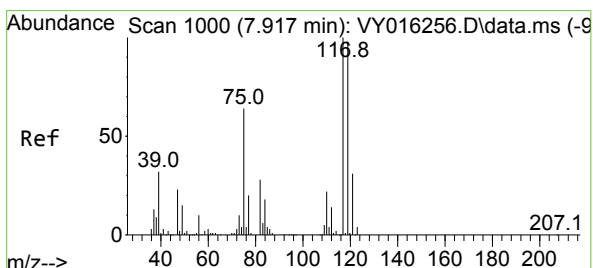
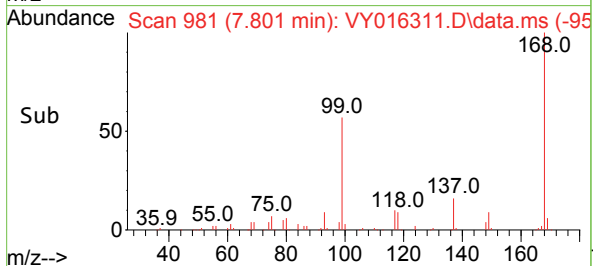
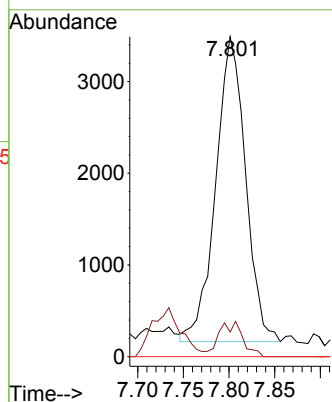
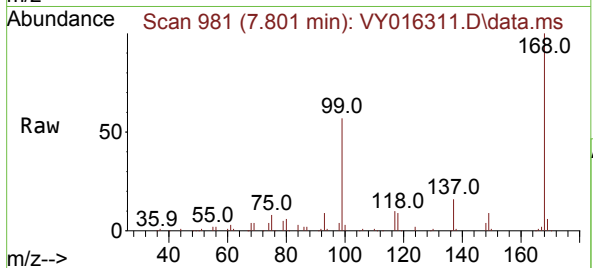
Tgt Ion: 75 Resp: 7557

Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.316 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY016311.D

Acq: 10 Nov 2023 18:00

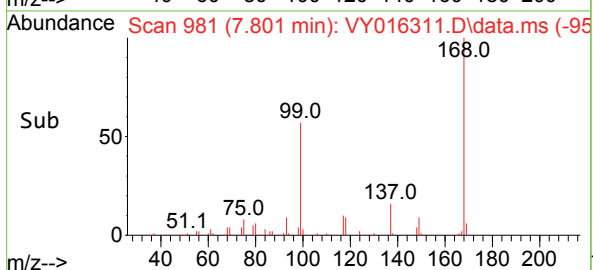
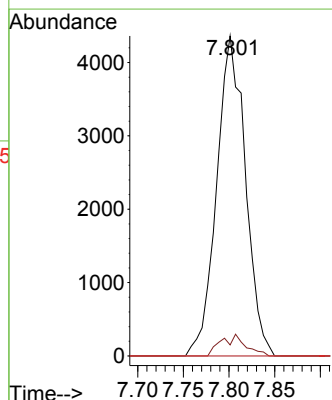
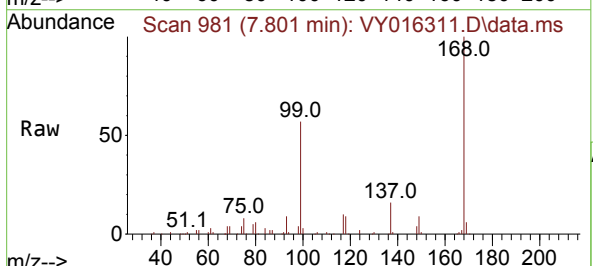
Tgt Ion: 117 Resp: 9551

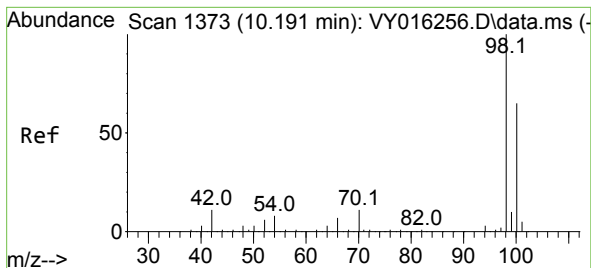
Ion Ratio Lower Upper

117 100

119 3.5 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 51.010 ug/l

RT: 10.191 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016311.D

Acq: 10 Nov 2023 18:00

Instrument :

MSVOA_Y

ClientSampleId :

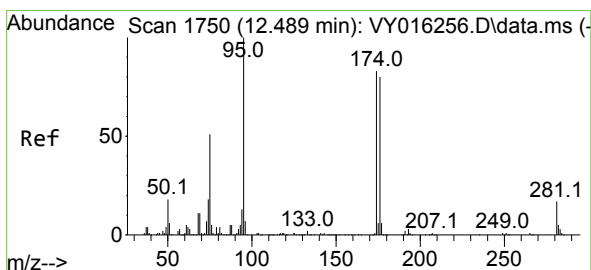
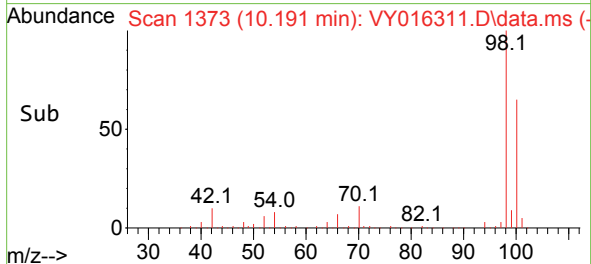
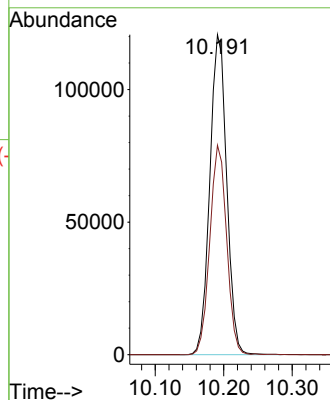
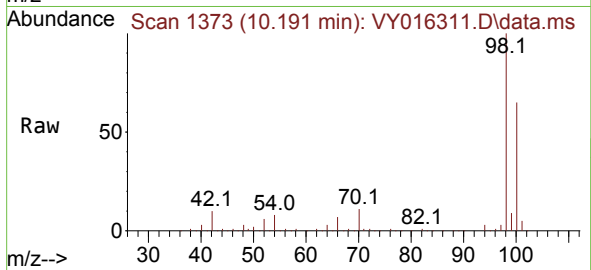
WC-7-VOC

Tgt Ion: 98 Resp: 206225

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 55.547 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY016311.D

Acq: 10 Nov 2023 18:00

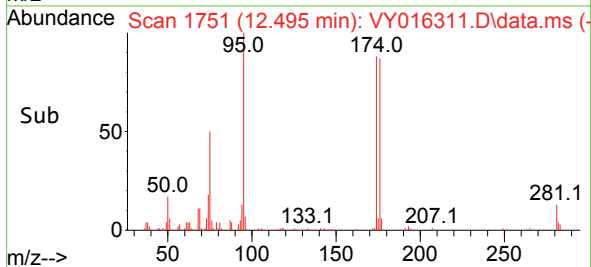
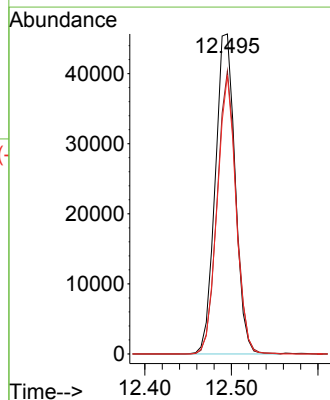
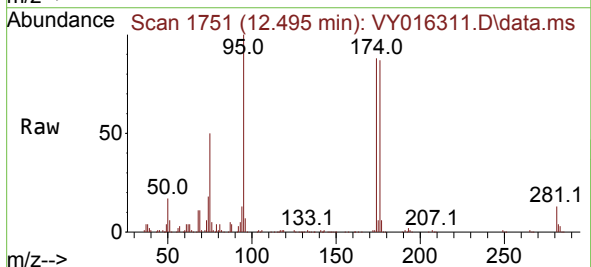
Tgt Ion: 95 Resp: 72935

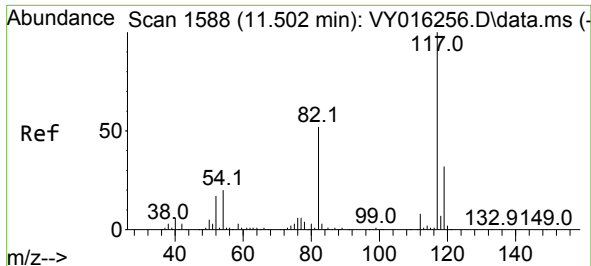
Ion Ratio Lower Upper

95 100

174 84.3 0.0 178.2

176 82.1 0.0 173.8

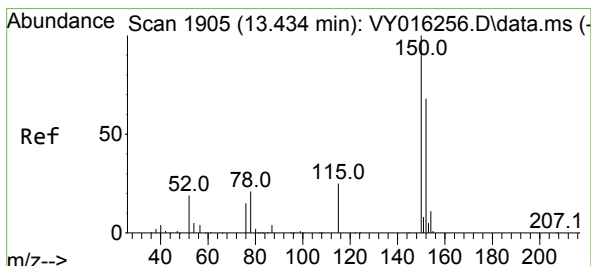
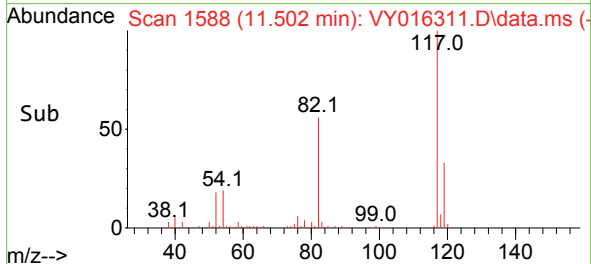
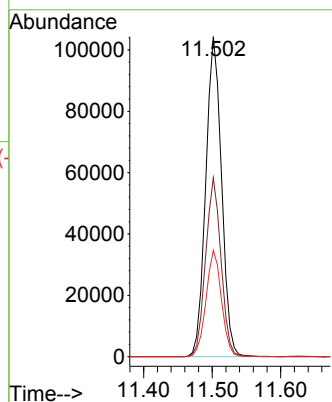
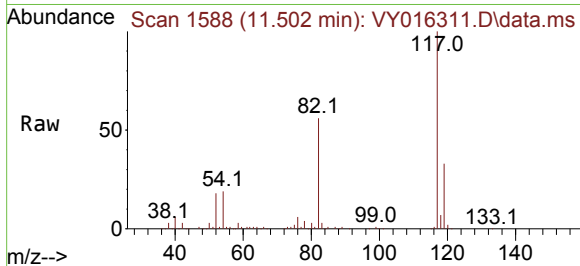




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY016311.D
Acq: 10 Nov 2023 18:00

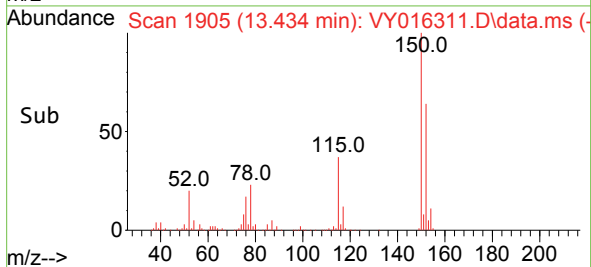
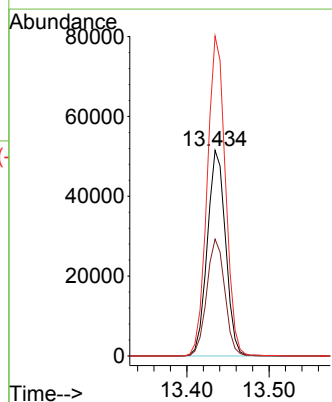
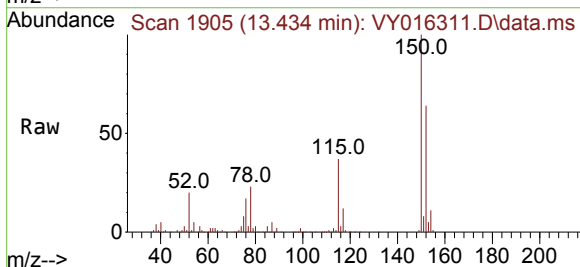
Instrument :
MSVOA_Y
ClientSampleId :
WC-7-VOC

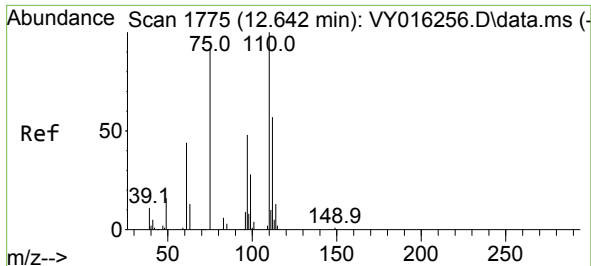
Tgt Ion:117 Resp: 167783
Ion Ratio Lower Upper
117 100
82 55.9 43.4 65.0
119 33.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY016311.D
Acq: 10 Nov 2023 18:00

Tgt Ion:152 Resp: 79413
Ion Ratio Lower Upper
152 100
115 56.2 28.8 86.5
150 155.5 0.0 348.8

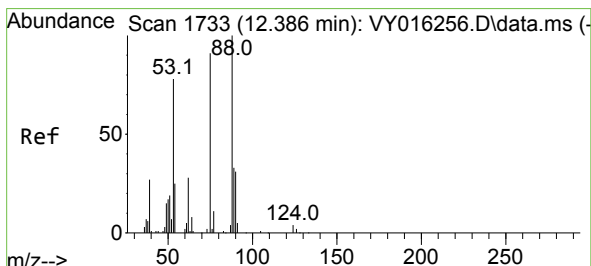
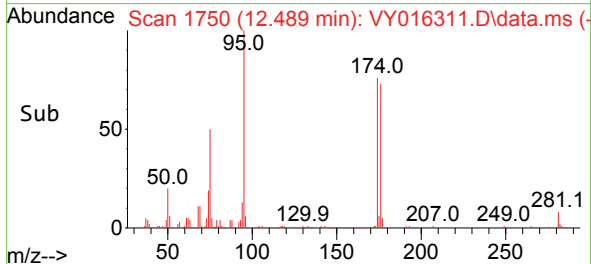
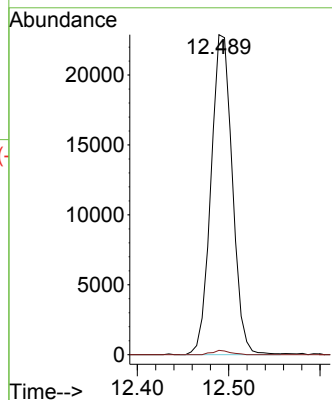
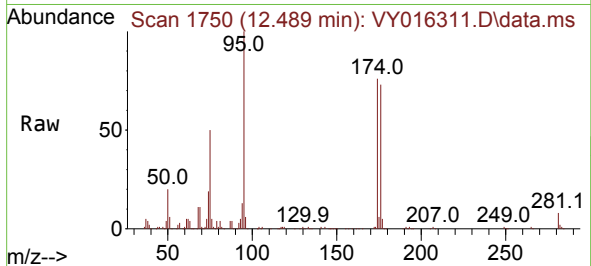




#76
1,2,3-Trichloropropane
Concen: 48.702 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.153 min
Lab File: VY016311.D
Acq: 10 Nov 2023 18:00

Instrument :
MSVOA_Y
ClientSampleId :
WC-7-VOC

Tgt Ion: 75 Resp: 37101
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.711 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.103 min
Lab File: VY016311.D
Acq: 10 Nov 2023 18:00

Tgt Ion: 75 Resp: 37101
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

