

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013780.D
 Acq On : 17 May 2023 16:50
 Operator : KP/MD
 Sample : 02774-01RE
 Misc : 7.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-N-1-VOC

Quant Time: May 18 07:16:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

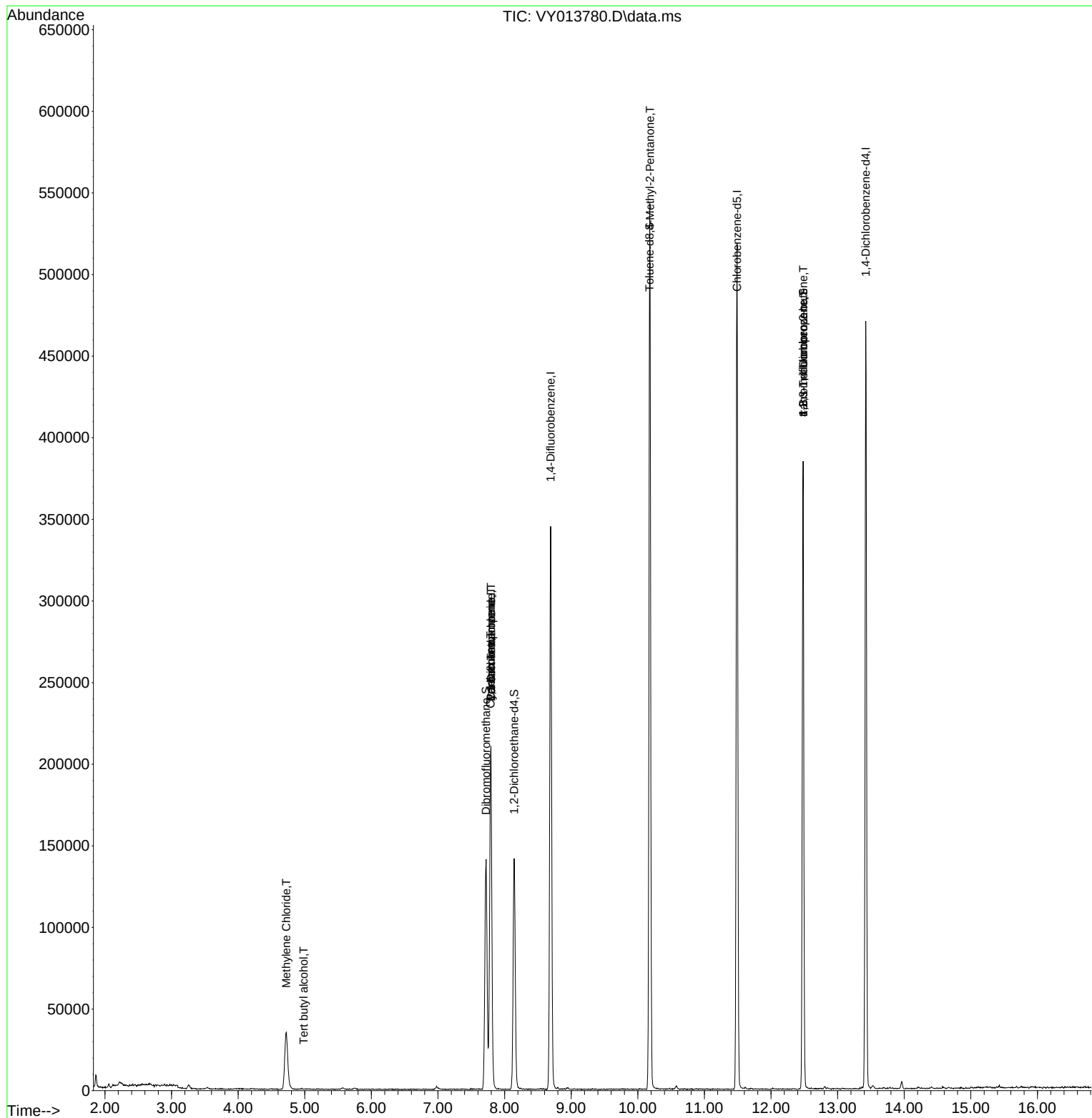
Internal Standards						
1) Pentafluorobenzene	7.795	168	158755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	280615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	270053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	115517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	110804	60.082	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.160%	
35) Dibromofluoromethane	7.722	113	97657	54.270	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.540%	
50) Toluene-d8	10.179	98	345012	50.573	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.140%	
62) 4-Bromofluorobenzene	12.483	95	109997	48.543	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.985	59	211	1.412	ug/l #	73
20) Methylene Chloride	4.722	84	25330	10.218	ug/l	95
31) Cyclohexane	7.789	56	4069	1.539	ug/l #	18
36) 1,1-Dichloropropene	7.795	75	13186	5.303	ug/l #	50
38) Carbon Tetrachloride	7.795	117	15747	6.004	ug/l #	15
51) 4-Methyl-2-Pentanone	10.185	43	1849	1.070	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	57373	41.037	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	57373	91.365	ug/l #	12

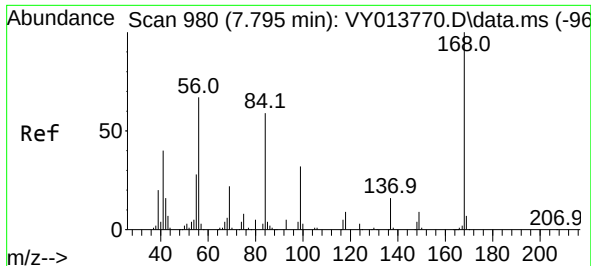
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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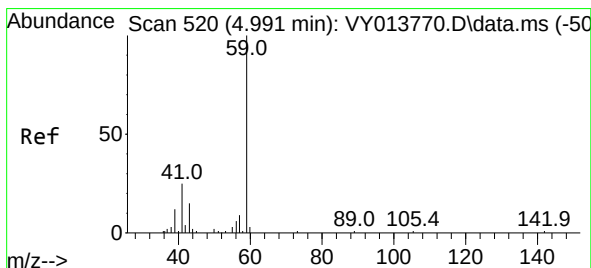
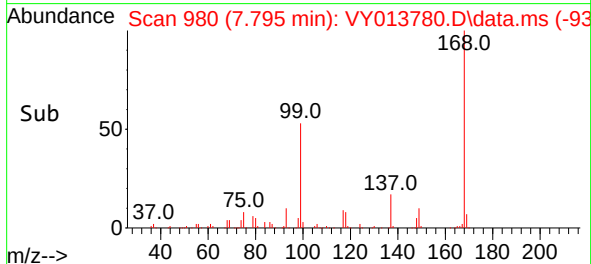
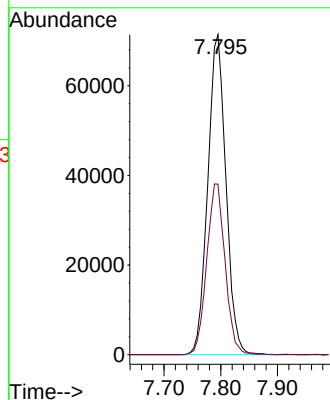
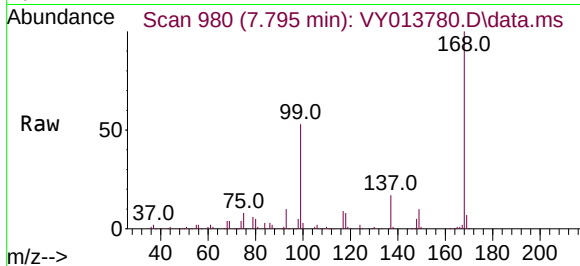




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013780.D
Acq: 17 May 2023 16:50

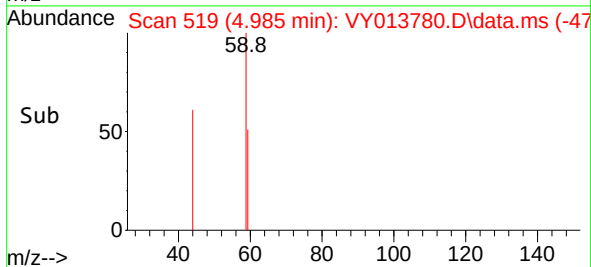
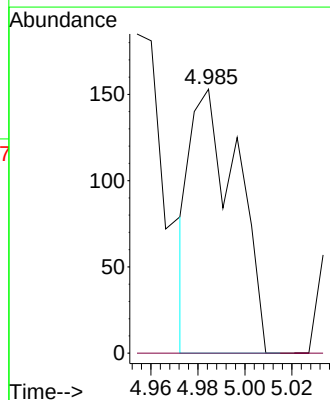
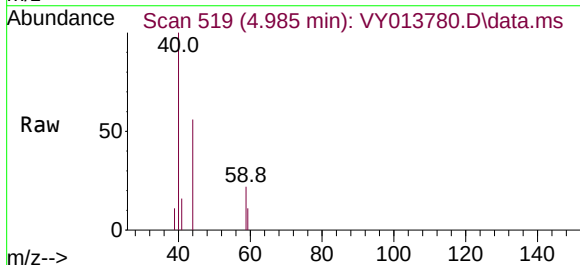
Instrument :
MSVOA_Y
ClientSampleId :
WC-N-1-VOC

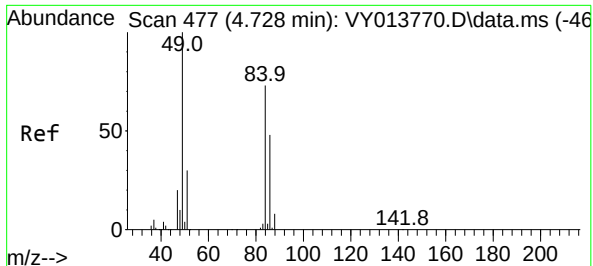
Tgt Ion:168 Resp: 158755
Ion Ratio Lower Upper
168 100
99 53.3 44.0 66.0



#11
Tert butyl alcohol
Concen: 1.412 ug/l
RT: 4.985 min Scan# 519
Delta R.T. -0.006 min
Lab File: VY013780.D
Acq: 17 May 2023 16:50

Tgt Ion: 59 Resp: 211
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

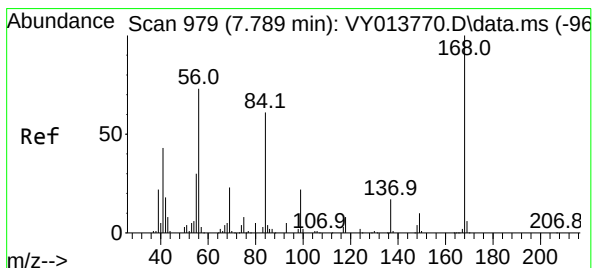
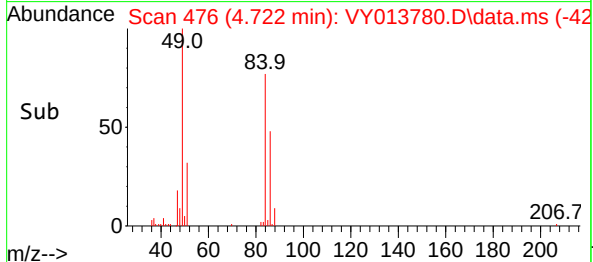
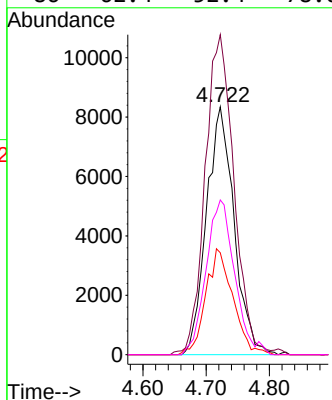
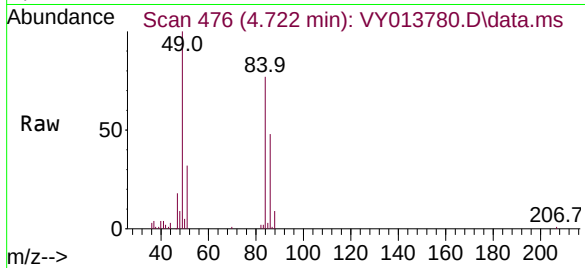




#20
Methylene Chloride
Concen: 10.218 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013780.D
Acq: 17 May 2023 16:50

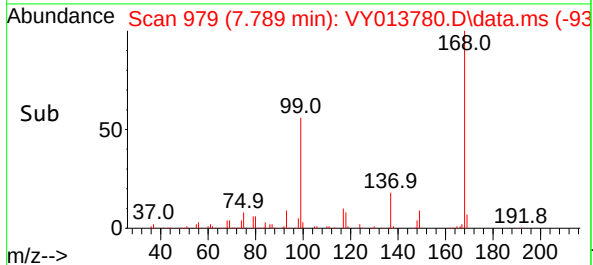
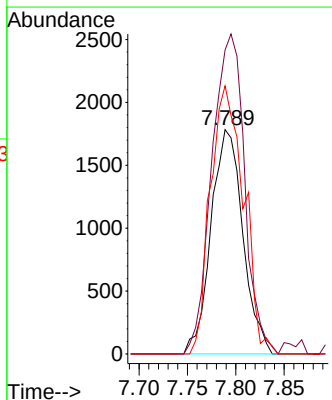
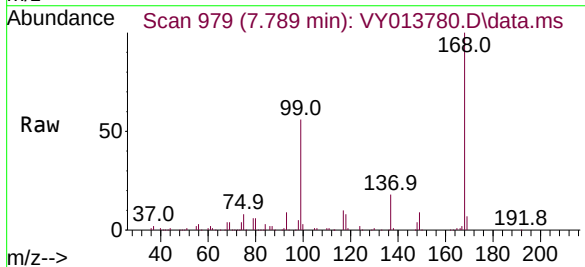
Instrument :
MSVOA_Y
ClientSampleId :
WC-N-1-VOC

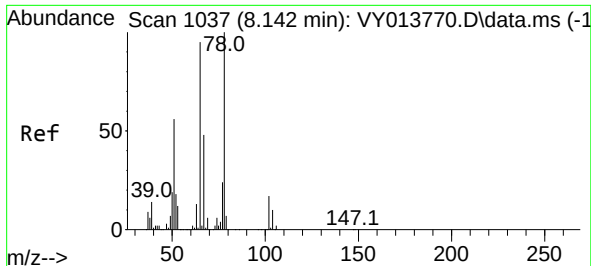
Tgt Ion:	84	Resp:	25330
Ion	Ratio	Lower	Upper
84	100		
49	127.7	109.4	164.0
51	41.1	32.8	49.2
86	62.4	52.4	78.6



#31
Cyclohexane
Concen: 1.539 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY013780.D
Acq: 17 May 2023 16:50

Tgt Ion:	56	Resp:	4069
Ion	Ratio	Lower	Upper
56	100		
69	135.6	25.8	38.6#
84	119.6	65.8	98.6#





#33

1,2-Dichloroethane-d4

Concen: 60.082 ug/l

RT: 8.143 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VY013780.D

Acq: 17 May 2023 16:50

Instrument :

MSVOA_Y

ClientSampleId :

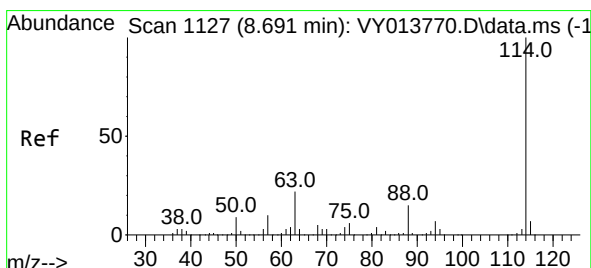
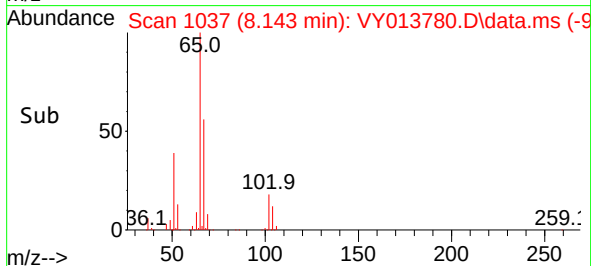
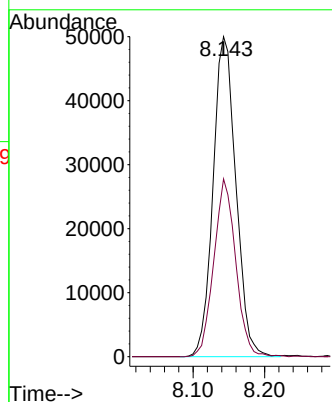
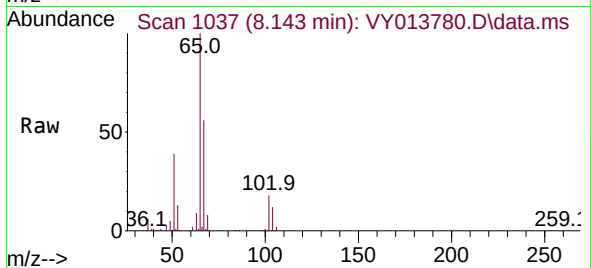
WC-N-1-VOC

Tgt Ion: 65 Resp: 110804

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013780.D

Acq: 17 May 2023 16:50

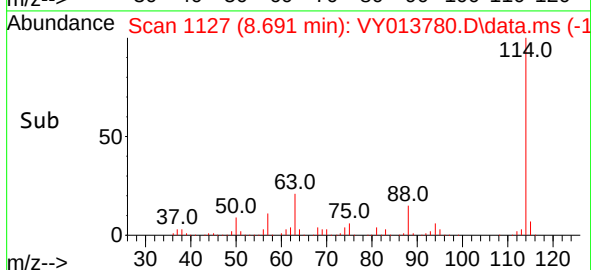
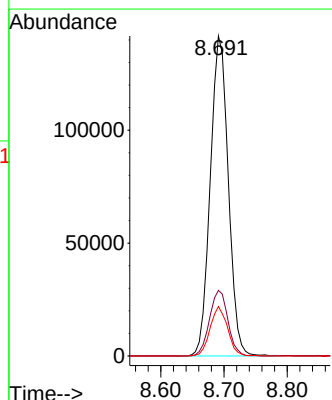
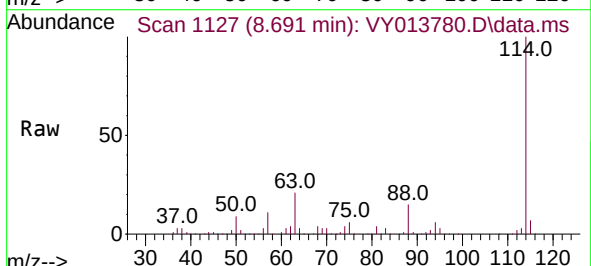
Tgt Ion: 114 Resp: 280615

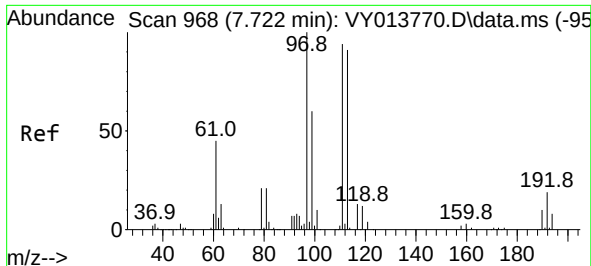
Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.8

88 15.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 54.270 ug/l

RT: 7.722 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY013780.D

Acq: 17 May 2023 16:50

Instrument :

MSVOA_Y

ClientSampleId :

WC-N-1-VOC

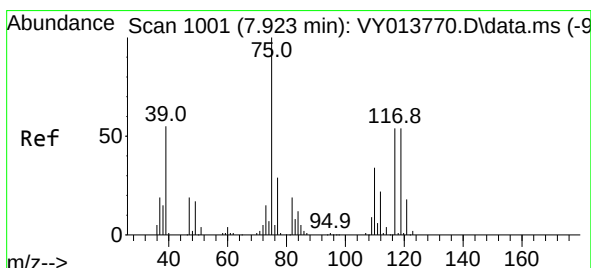
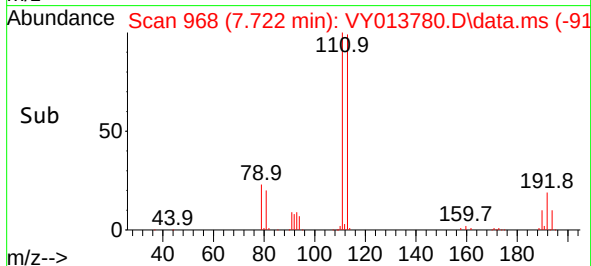
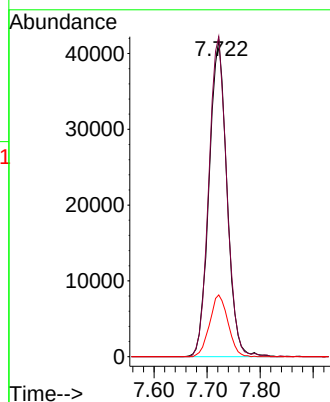
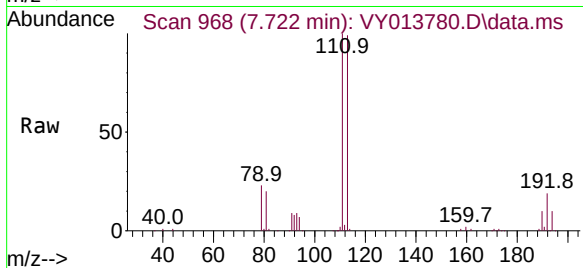
Tgt Ion:113 Resp: 97657

Ion Ratio Lower Upper

113 100

111 101.5 82.3 123.5

192 20.1 16.0 24.0



#36

1,1-Dichloropropene

Concen: 5.303 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY013780.D

Acq: 17 May 2023 16:50

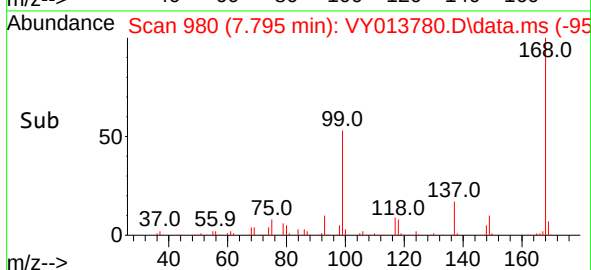
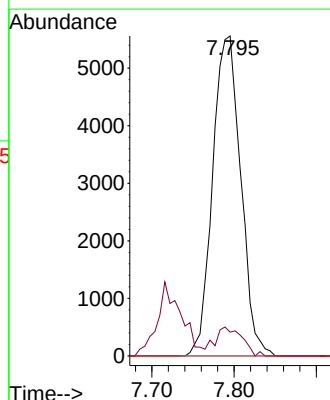
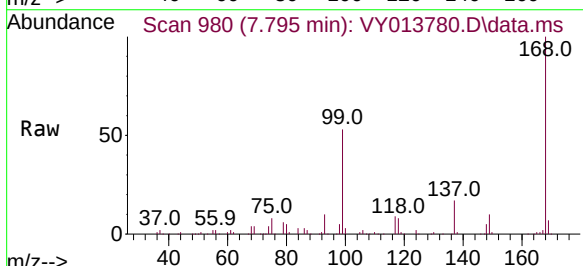
Tgt Ion: 75 Resp: 13186

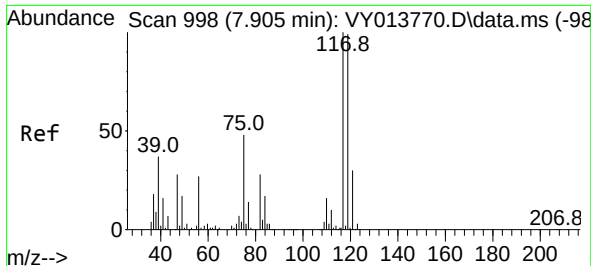
Ion Ratio Lower Upper

75 100

110 8.6 17.3 51.7#

77 0.0 24.6 36.8#

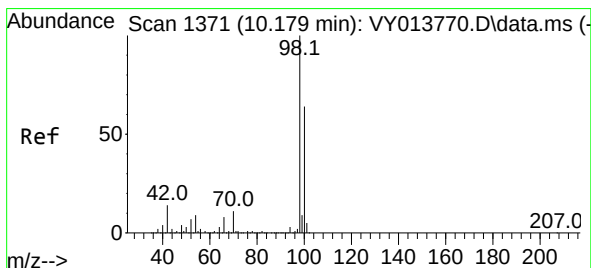
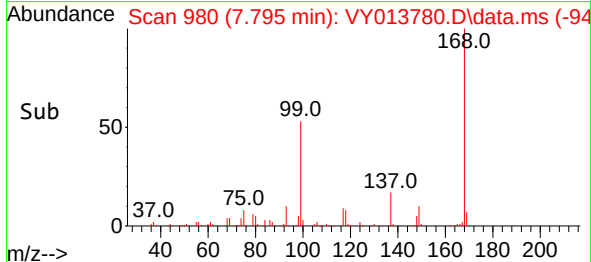
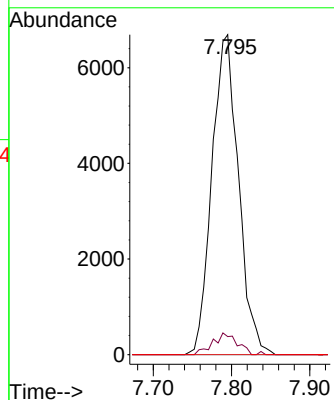
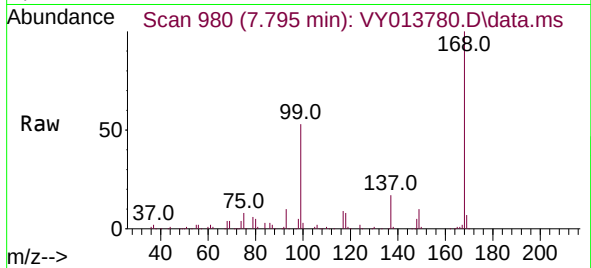




#38
Carbon Tetrachloride
Concen: 6.004 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013780.D
Acq: 17 May 2023 16:50

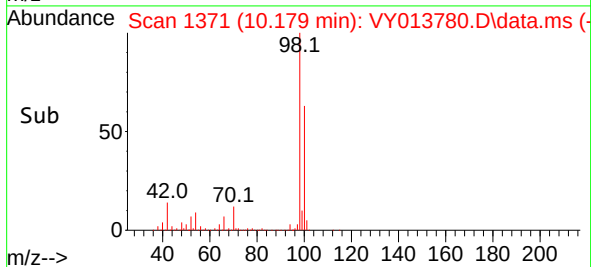
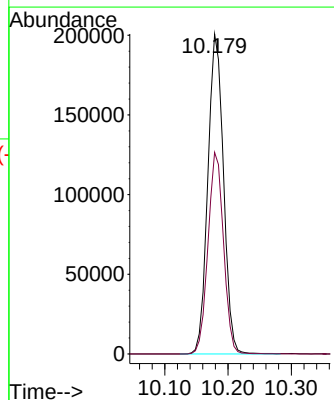
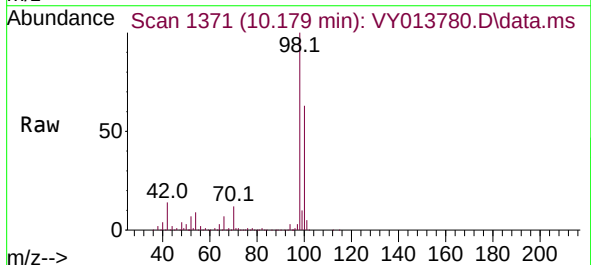
Instrument :
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ClientSampleId :
WC-N-1-VOC

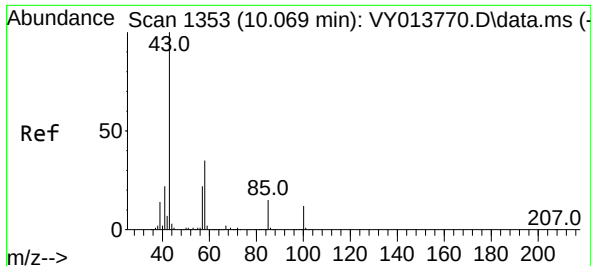
Tgt Ion:117 Resp: 15747
Ion Ratio Lower Upper
117 100
119 5.6 79.0 118.6#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 50.573 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013780.D
Acq: 17 May 2023 16:50

Tgt Ion: 98 Resp: 345012
Ion Ratio Lower Upper
98 100
100 62.5 51.0 76.6

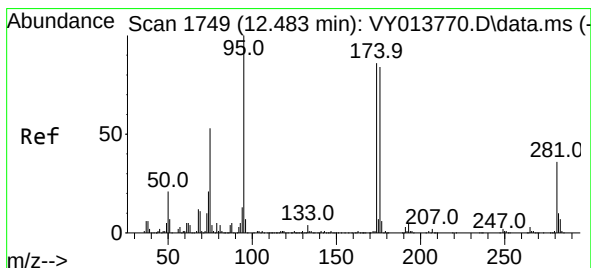
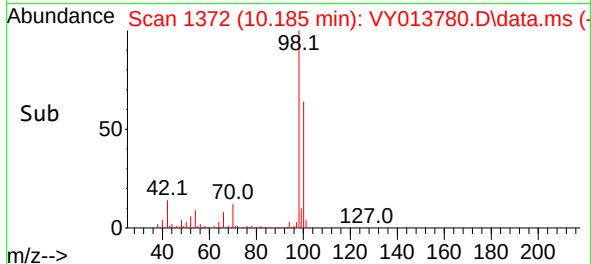
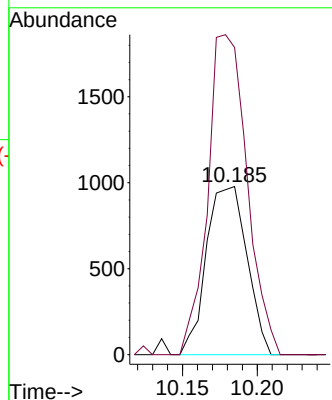
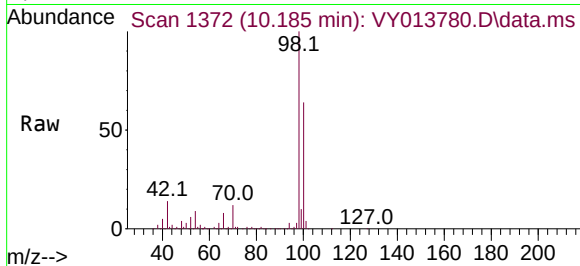




#51
4-Methyl-2-Pentanone
Concen: 1.070 ug/l
RT: 10.185 min Scan# 1353
Delta R.T. 0.116 min
Lab File: VY013780.D
Acq: 17 May 2023 16:50

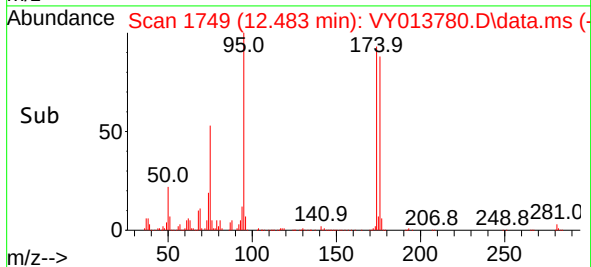
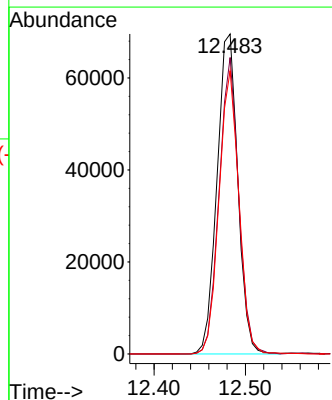
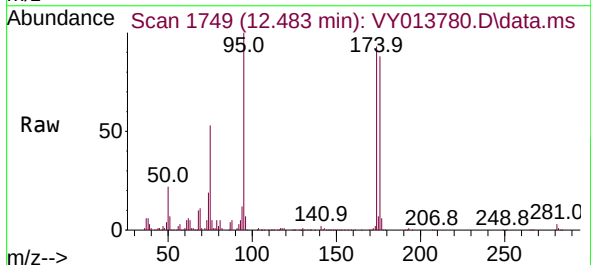
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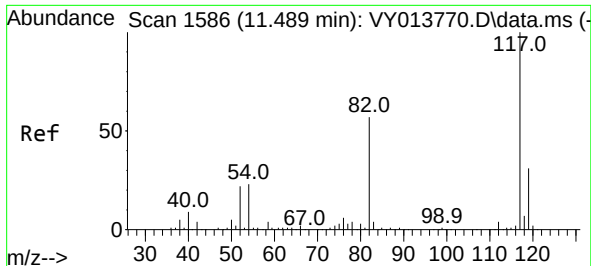
Tgt Ion: 43 Resp: 1849
Ion Ratio Lower Upper
43 100
58 184.0 28.2 42.2#



#62
4-Bromofluorobenzene
Concen: 48.543 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013780.D
Acq: 17 May 2023 16:50

Tgt Ion: 95 Resp: 109997
Ion Ratio Lower Upper
95 100
174 87.1 0.0 168.8
176 84.6 0.0 165.2

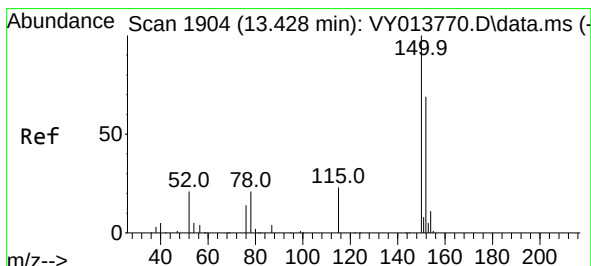
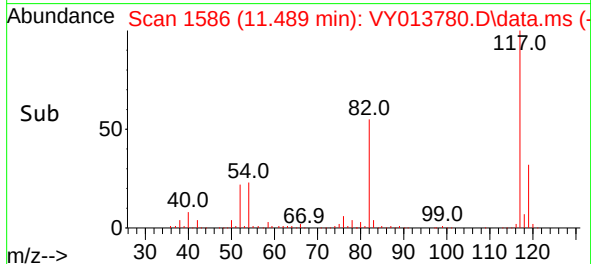
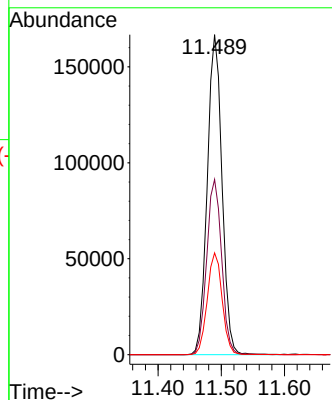
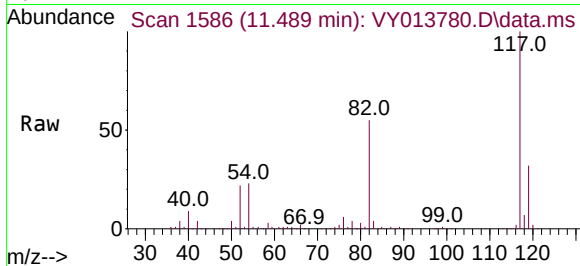




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013780.D
Acq: 17 May 2023 16:50

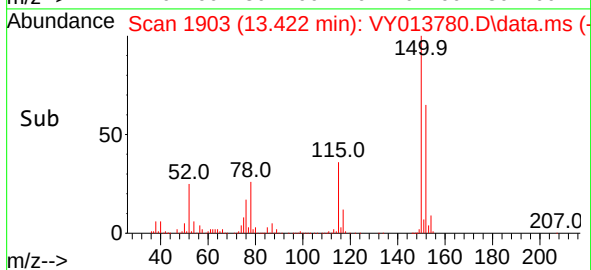
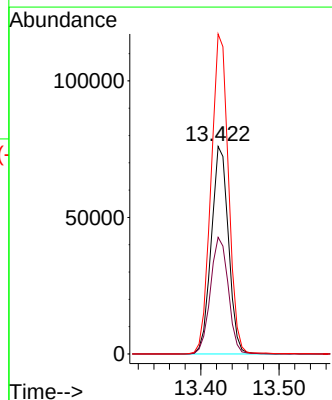
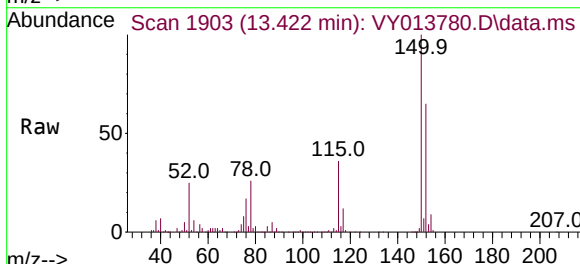
Instrument :
MSVOA_Y
ClientSampleId :
WC-N-1-VOC

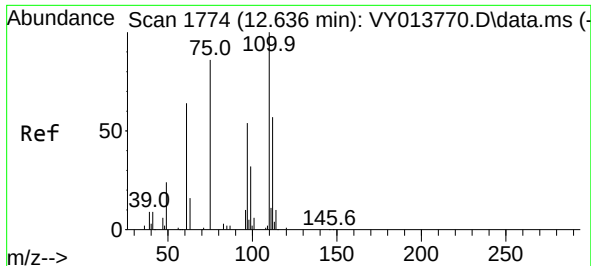
Tgt Ion:117 Resp: 270053
Ion Ratio Lower Upper
117 100
82 54.7 45.5 68.3
119 31.8 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013780.D
Acq: 17 May 2023 16:50

Tgt Ion:152 Resp: 115517
Ion Ratio Lower Upper
152 100
115 58.3 28.5 85.5
150 156.5 0.0 347.0

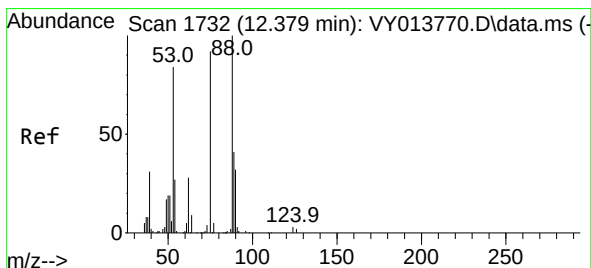
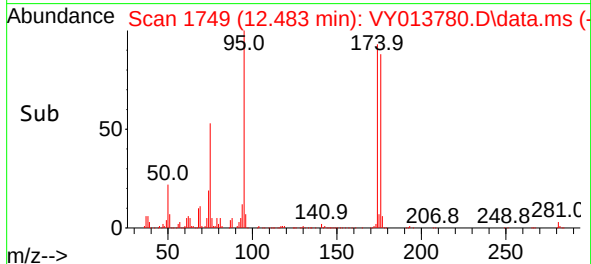
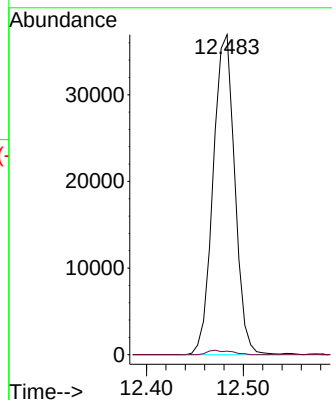
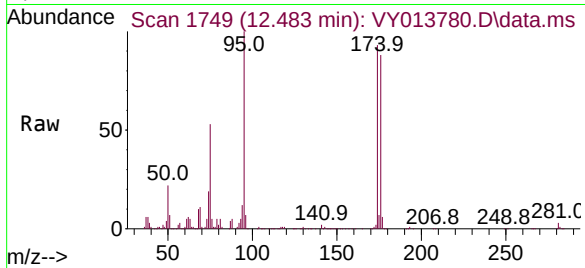




#76
1,2,3-Trichloropropane
Concen: 41.037 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013780.D
Acq: 17 May 2023 16:50

Instrument :
MSVOA_Y
ClientSampleId :
WC-N-1-VOC

Tgt Ion: 75 Resp: 57373
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.365 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013780.D
Acq: 17 May 2023 16:50

Tgt Ion: 75 Resp: 57373
Ion Ratio Lower Upper
75 100
53 0.2 75.3 112.9#
89 0.1 35.4 53.2#

