

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014381.D
 Acq On : 22 Jun 2023 16:02
 Operator : KP/MD
 Sample : 03298-11RE
 Misc : 6.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-05-GRAB-6

Quant Time: Jun 22 17:25:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

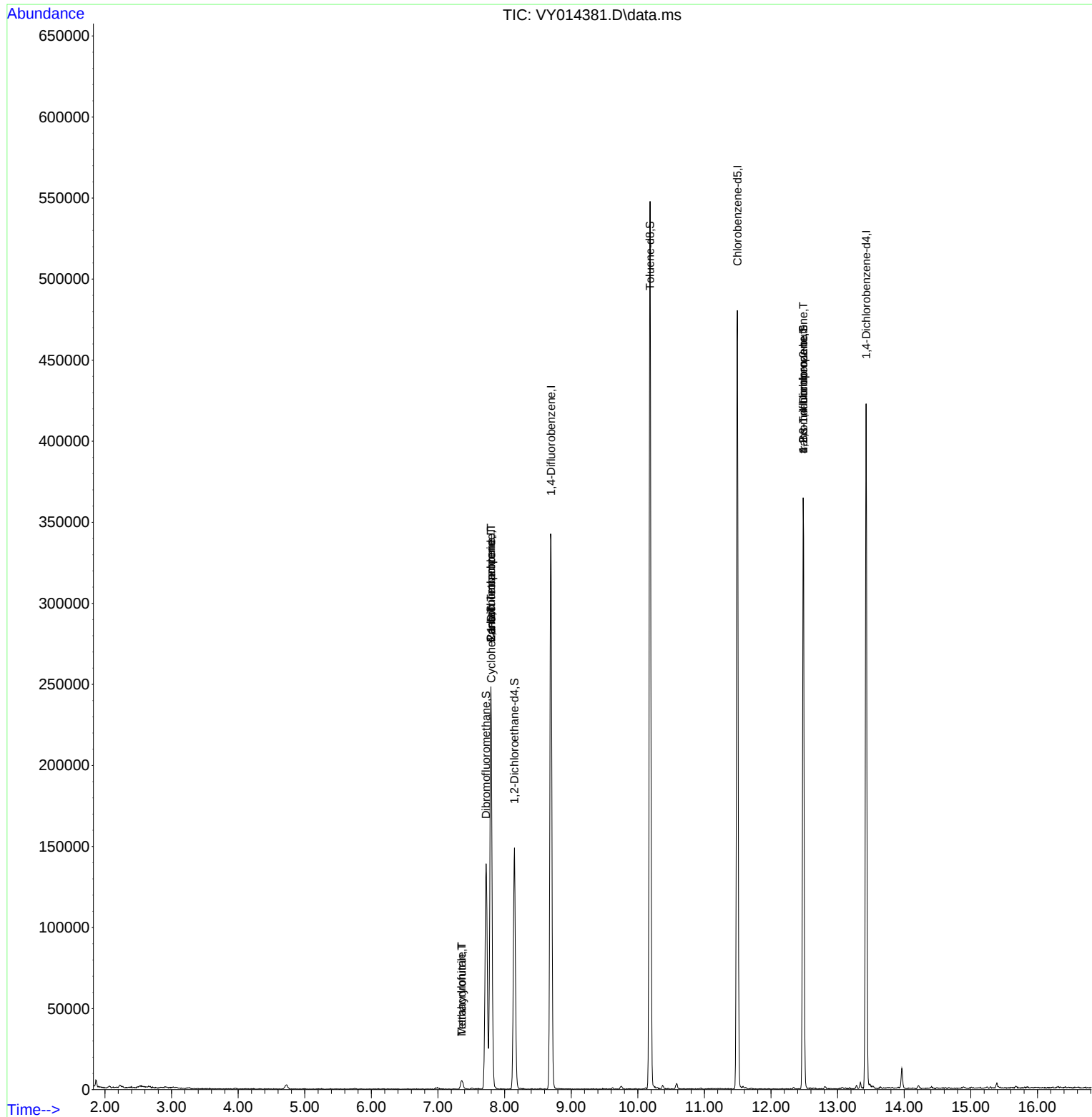
Internal Standards						
1) Pentafluorobenzene	7.795	168	193173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	295125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	261863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	107966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	124455	46.266	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.540%
35) Dibromofluoromethane	7.722	113	94265	45.039	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.080%
50) Toluene-d8	10.185	98	350030	44.734	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.460%
62) 4-Bromofluorobenzene	12.483	95	100475	36.148	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.300%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	225	Below Cal	#	89
13) Acrolein	3.619	56	20	Below Cal	#	14
20) Methylene Chloride	4.710	84	1142	Below Cal	#	67
29) Tetrahydrofuran	7.356	42	4284	6.769	ug/l	91
31) Cyclohexane	7.801	56	3869	1.074	ug/l	# 24
36) 1,1-Dichloropropene	7.795	75	13432	4.117	ug/l	# 51
38) Carbon Tetrachloride	7.795	117	18718	4.971	ug/l	# 16
41) Methacrylonitrile	7.356	41	2865	2.493	ug/l	# 41
76) 1,2,3-Trichloropropane	12.483	75	55746	39.355	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	55746	85.070	ug/l	# 11

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

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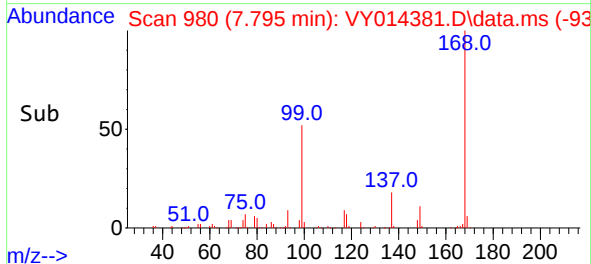
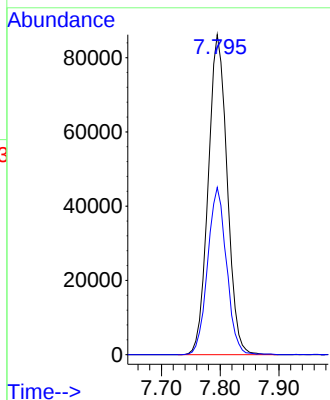
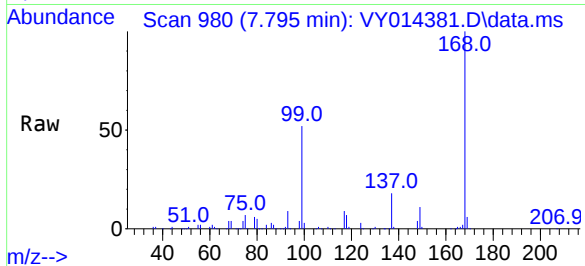




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

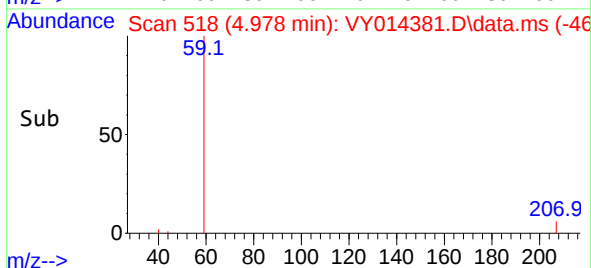
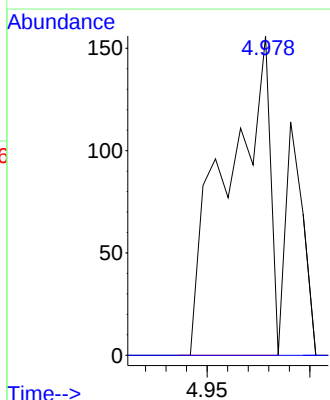
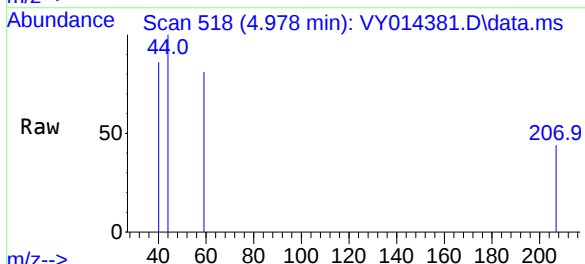
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-05-GRAB-6

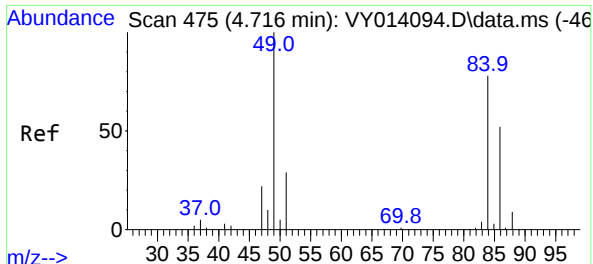
Tgt Ion:168 Resp: 193173
Ion Ratio Lower Upper
168 100
99 52.3 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.978 min Scan# 518
Delta R.T. 0.012 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

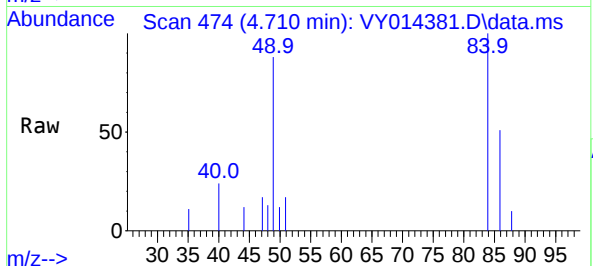
Tgt Ion: 59 Resp: 225
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



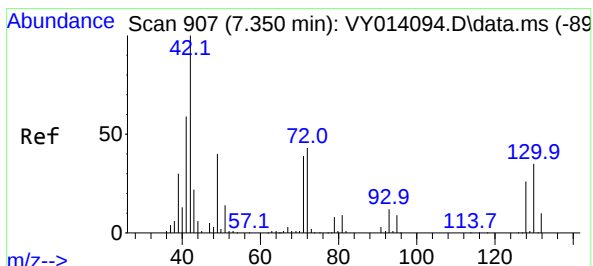
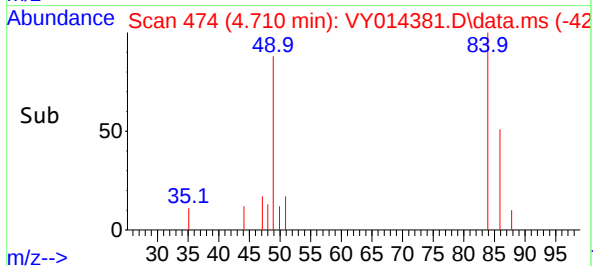
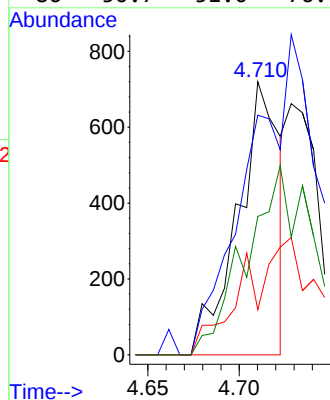


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-05-GRAB-6

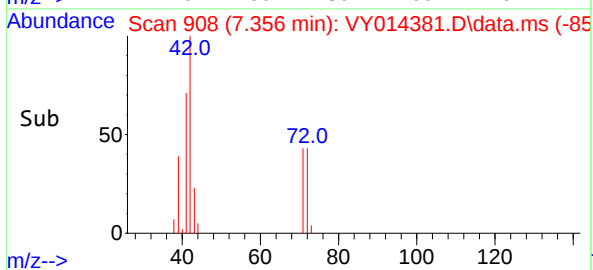
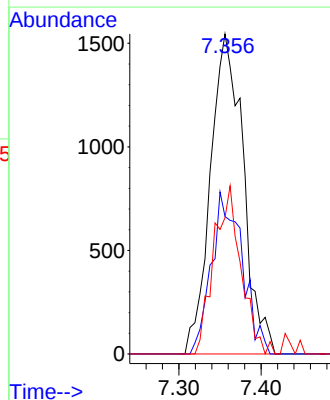
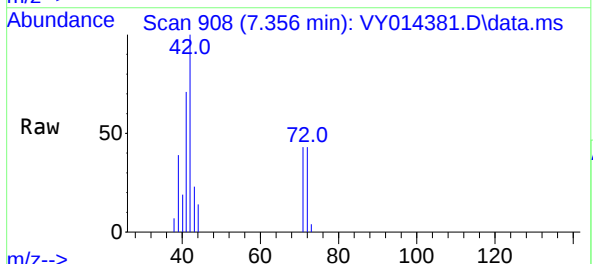


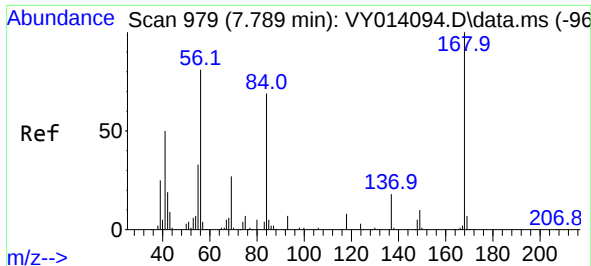
Tgt Ion: 84 Resp: 1142
Ion Ratio Lower Upper
84 100
49 87.8 106.9 160.3#
51 16.5 33.2 49.8#
86 50.7 51.0 76.6#



#29
Tetrahydrofuran
Concen: 6.769 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

Tgt Ion: 42 Resp: 4284
Ion Ratio Lower Upper
42 100
72 47.4 32.8 49.2
71 43.5 31.0 46.4

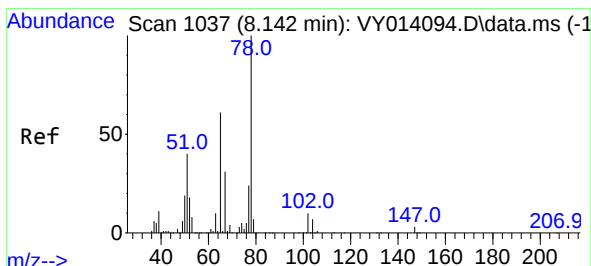
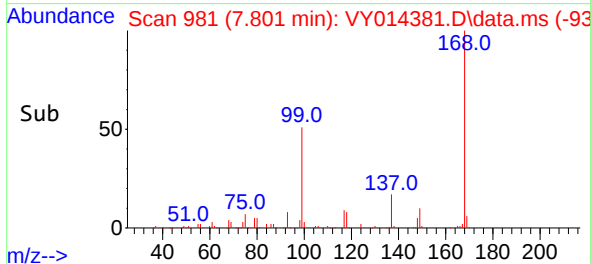
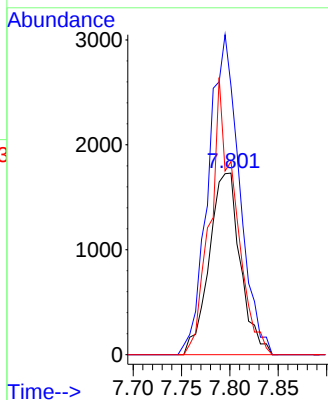
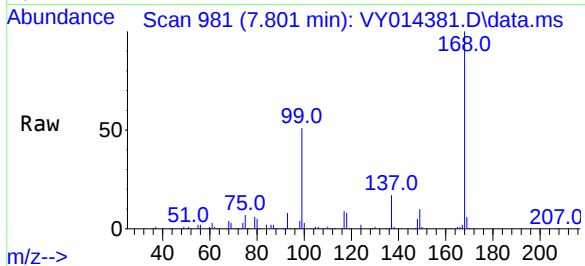




#31
Cyclohexane
Concen: 1.074 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

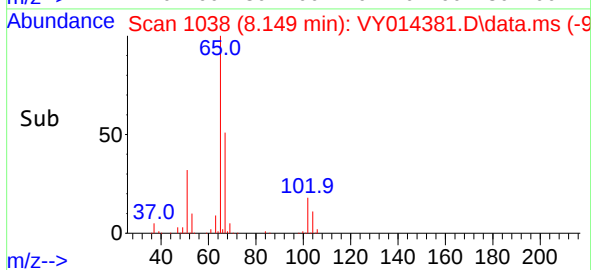
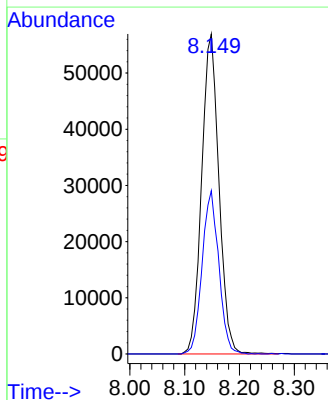
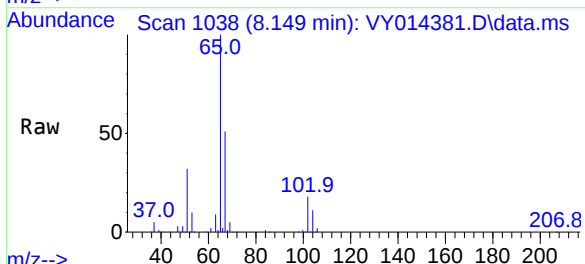
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-05-GRAB-6

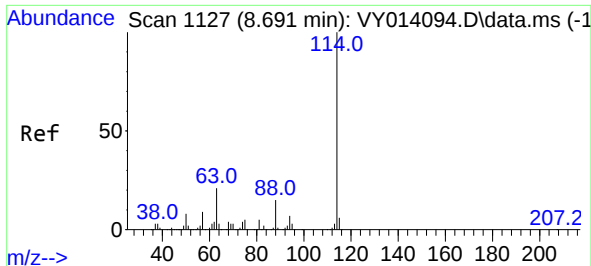
Tgt Ion: 56 Resp: 3869
Ion Ratio Lower Upper
56 100
69 148.0 27.8 41.6#
84 106.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 46.266 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

Tgt Ion: 65 Resp: 124455
Ion Ratio Lower Upper
65 100
67 49.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014381.D

Acq: 22 Jun 2023 16:02

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-05-GRAB-6

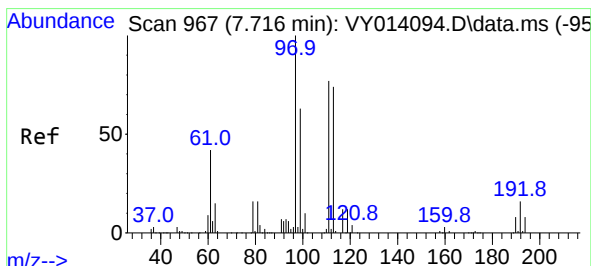
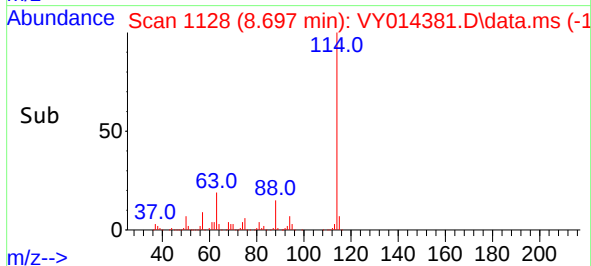
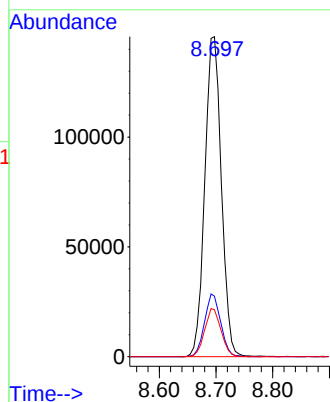
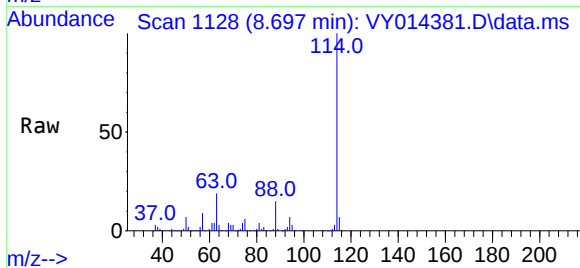
Tgt Ion:114 Resp: 295125

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.039 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014381.D

Acq: 22 Jun 2023 16:02

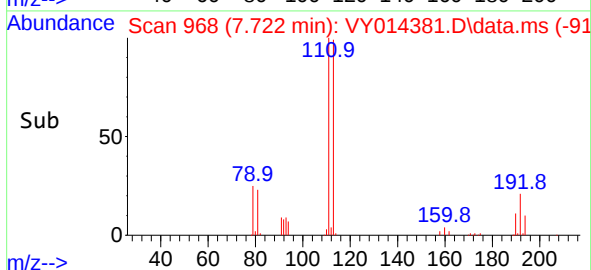
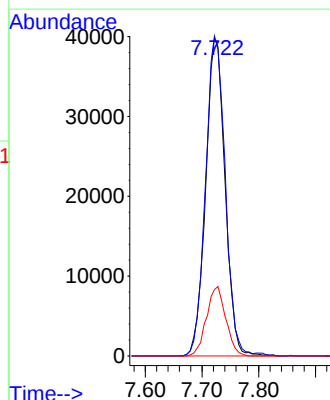
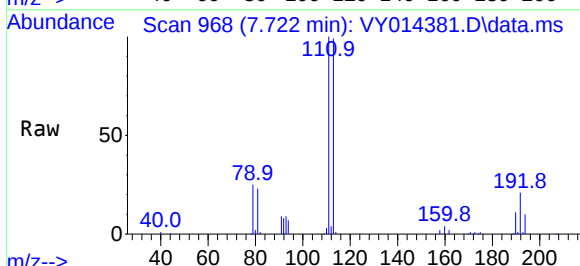
Tgt Ion:113 Resp: 94265

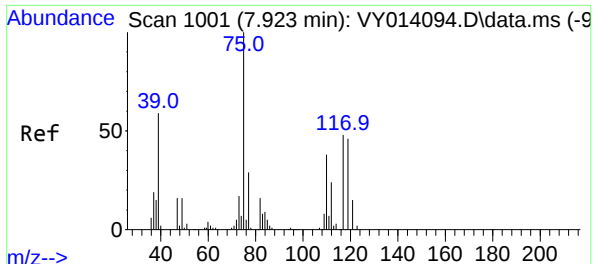
Ion Ratio Lower Upper

113 100

111 102.8 81.3 121.9

192 21.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.117 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY014381.D

Acq: 22 Jun 2023 16:02

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-05-GRAB-6

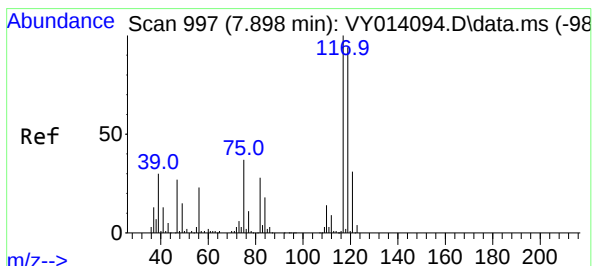
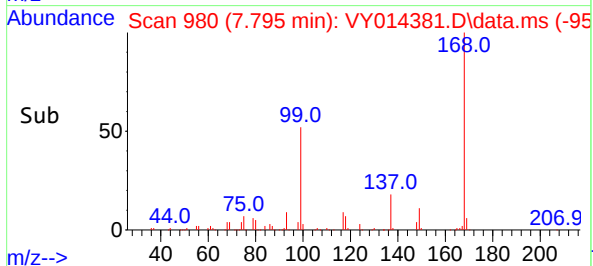
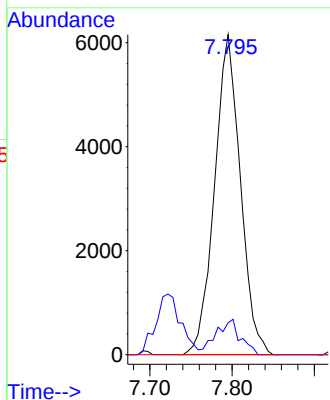
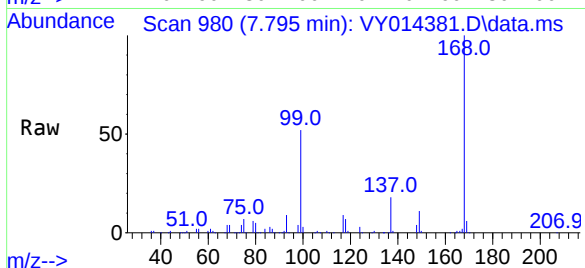
Tgt Ion: 75 Resp: 13432

Ion Ratio Lower Upper

75 100

110 10.5 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.971 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.103 min

Lab File: VY014381.D

Acq: 22 Jun 2023 16:02

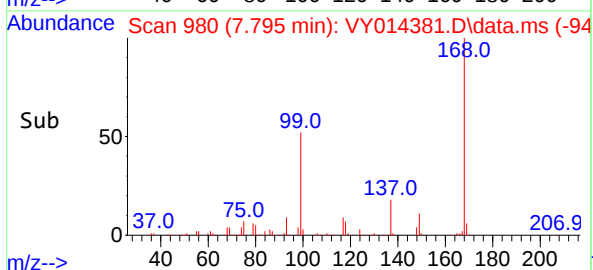
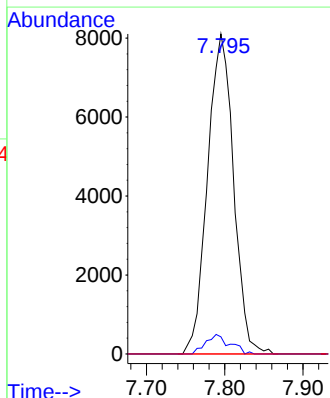
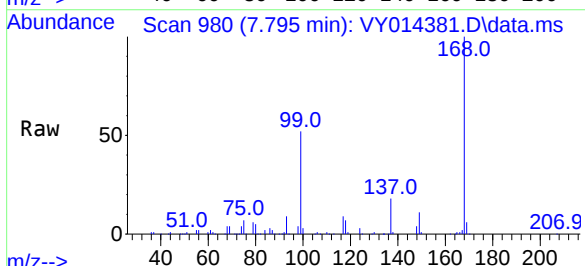
Tgt Ion: 117 Resp: 18718

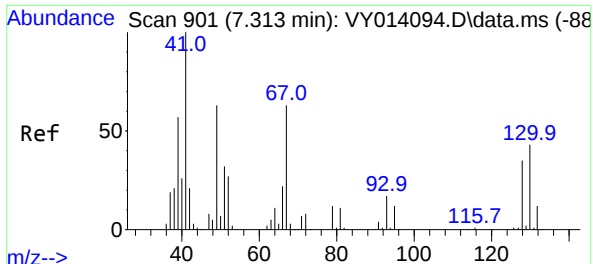
Ion Ratio Lower Upper

117 100

119 5.4 76.4 114.6#

121 0.0 25.8 38.6#

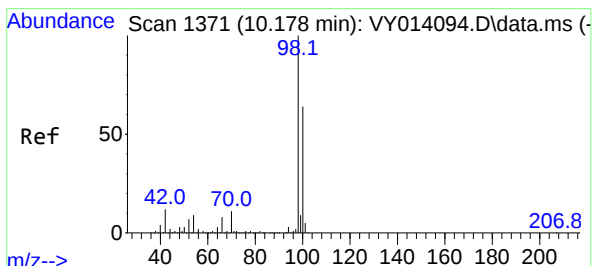
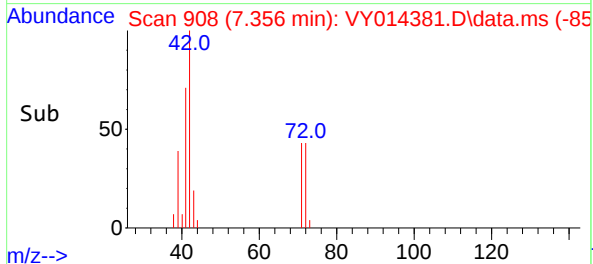
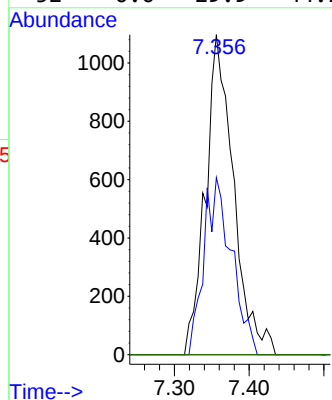
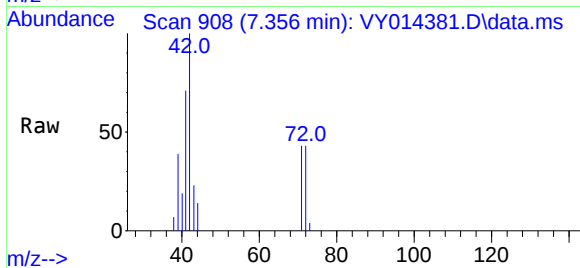




#41
Methacrylonitrile
Concen: 2.493 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.043 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

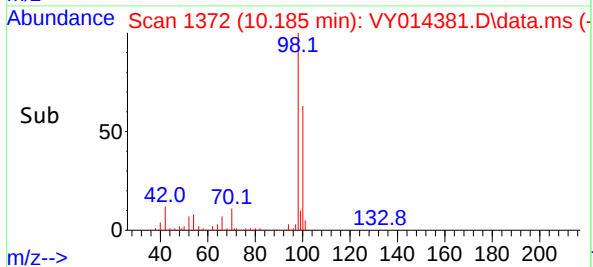
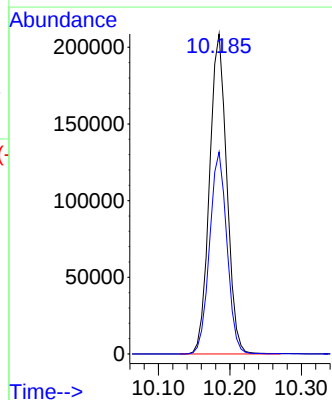
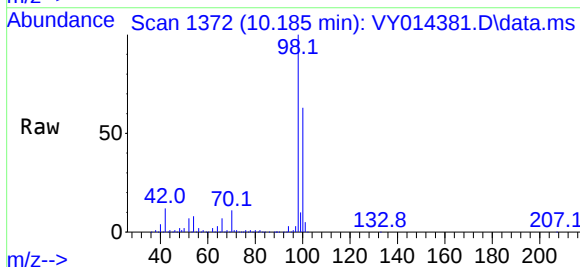
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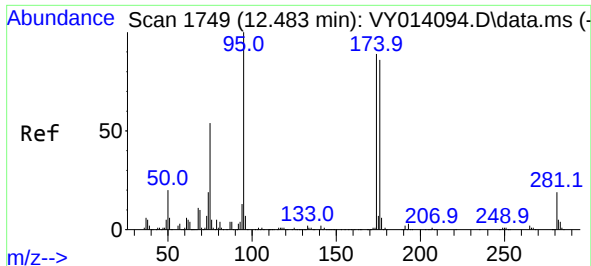
Tgt Ion: 41	Resp: 2865
Ion Ratio	Lower Upper
41 100	
39 54.3	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 44.734 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

Tgt Ion: 98	Resp: 350030
Ion Ratio	Lower Upper
98 100	
100 63.2	50.1 75.1

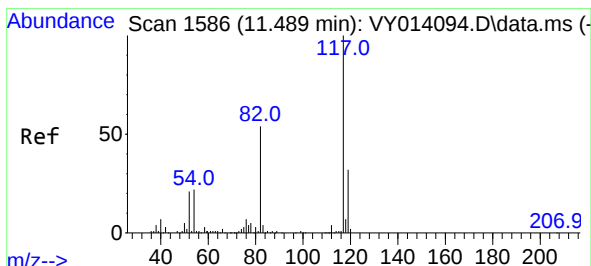
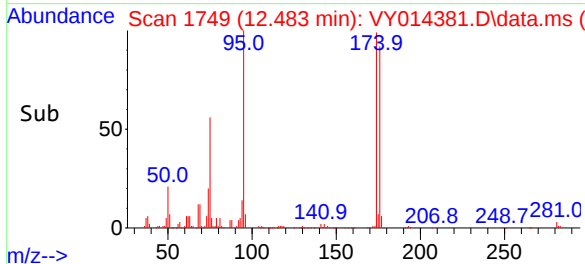
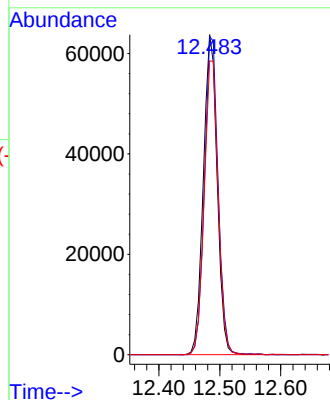
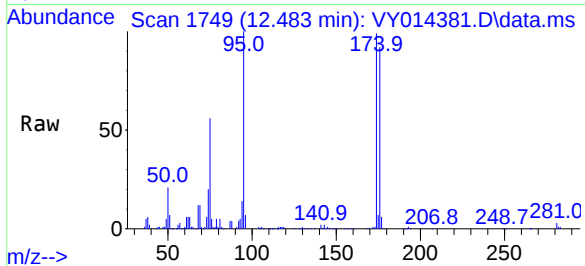




#62
4-Bromofluorobenzene
Concen: 36.148 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

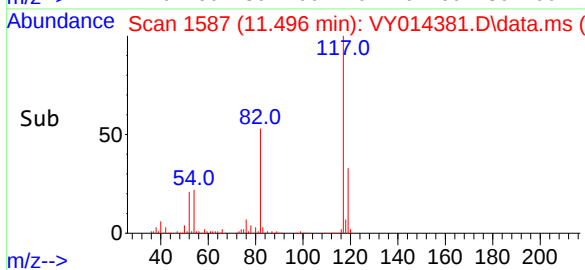
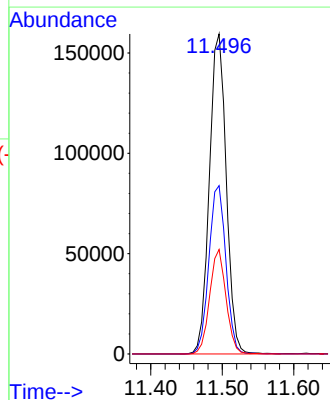
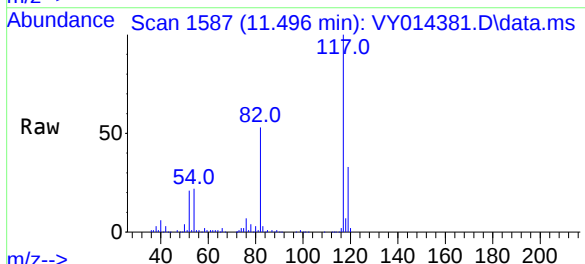
Instrument :
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TOTAL-VOC-TW-05-GRAB-6

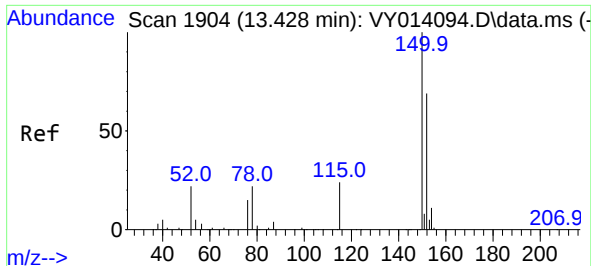
Tgt Ion: 95 Resp: 100475
Ion Ratio Lower Upper
95 100
174 98.5 0.0 178.2
176 93.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

Tgt Ion: 117 Resp: 261863
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.0
119 32.6 26.3 39.5

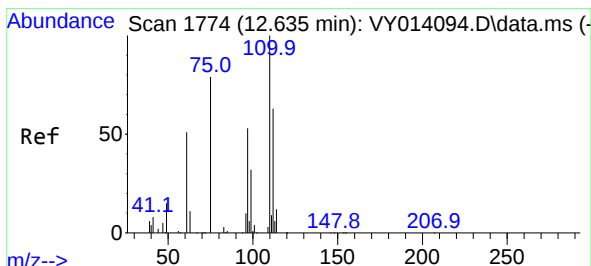
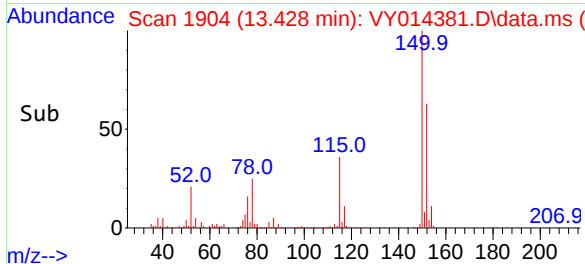
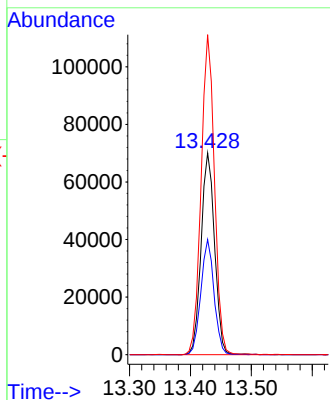
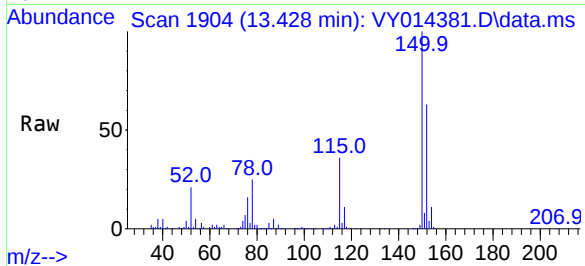




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

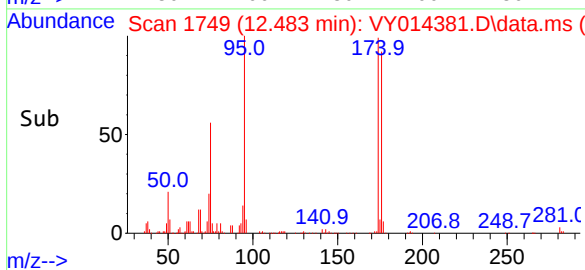
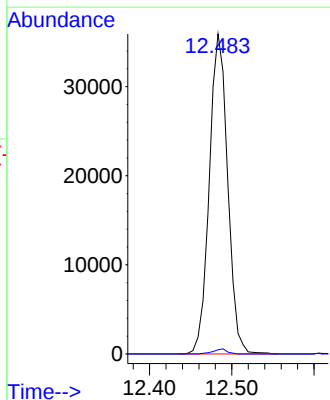
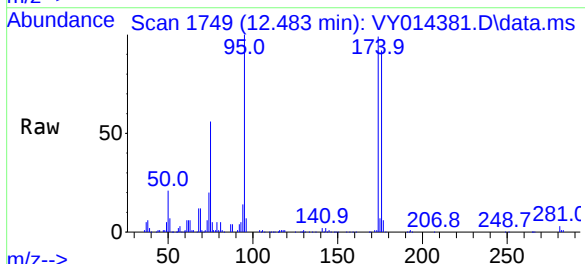
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-05-GRAB-6

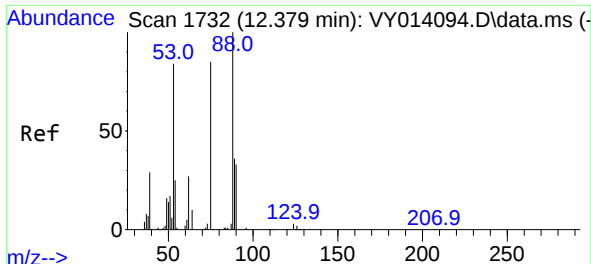
Tgt Ion:152 Resp: 107966
Ion Ratio Lower Upper
152 100
115 55.9 28.8 86.5
150 157.1 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 39.355 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014381.D
Acq: 22 Jun 2023 16:02

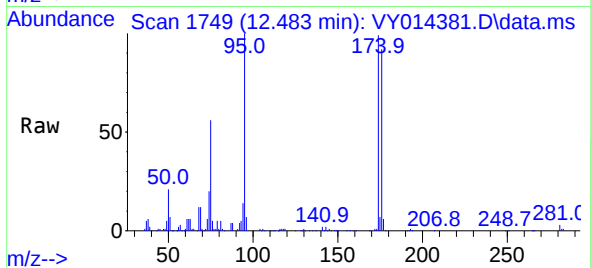
Tgt Ion: 75 Resp: 55746
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.070 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014381.D
 Acq: 22 Jun 2023 16:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-05-GRAB-6



Tgt Ion: 75 Resp: 55746
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.8 116.8#
 89 0.0 37.4 56.0#

