

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014360.D
 Acq On : 22 Jun 2023 01:51
 Operator : KP/MD
 Sample : 03330-05
 Misc : 4.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-MC03-GRAB-6

Quant Time: Jun 22 04:51:25 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)

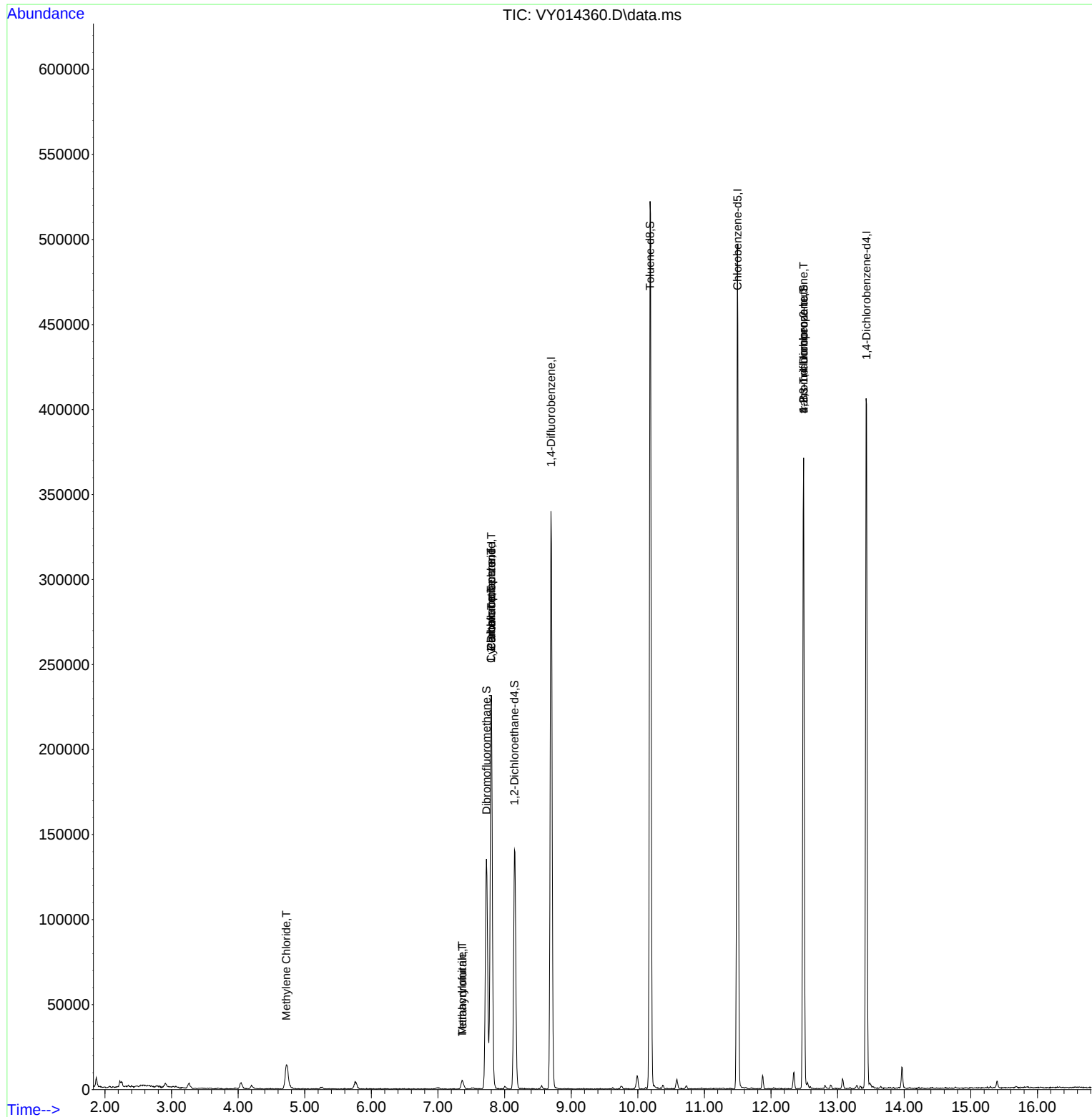
Internal Standards						
1) Pentafluorobenzene	7.801	168	180967	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	287756	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	261249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	111117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	122511	48.616	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.240%
35) Dibromofluoromethane	7.728	113	94145	46.134	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.260%
50) Toluene-d8	10.185	98	344352	45.135	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.280%
62) 4-Bromofluorobenzene	12.489	95	103012	38.009	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.020%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.985	59	290	Below Cal	#	89
20) Methylene Chloride	4.722	84	11504	1.248	ug/l #	89
29) Tetrahydrofuran	7.368	42	3773	6.363	ug/l #	84
31) Cyclohexane	7.795	56	4293	1.272	ug/l #	43
36) 1,1-Dichloropropene	7.795	75	13100	4.118	ug/l #	50
38) Carbon Tetrachloride	7.801	117	18349	4.998	ug/l #	15
41) Methacrylonitrile	7.362	41	2390	2.133	ug/l #	45
76) 1,2,3-Trichloropropane	12.489	75	57014	39.109	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	57014	84.538	ug/l #	11

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

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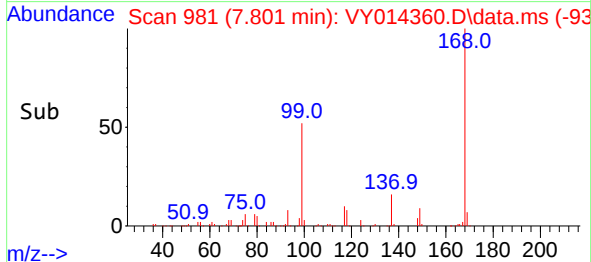
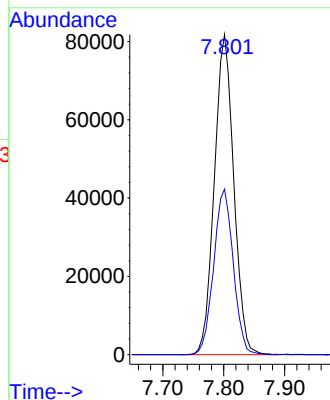
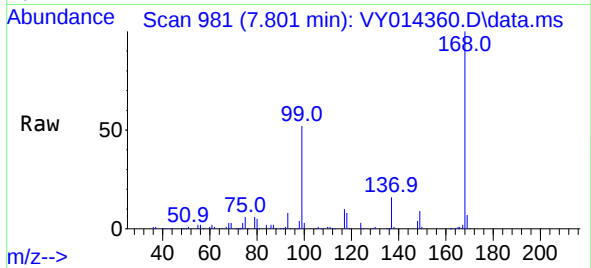




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014360.D
Acq: 22 Jun 2023 01:51

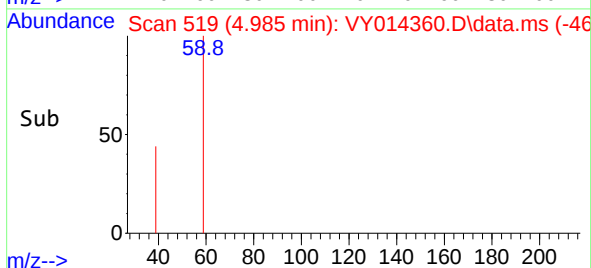
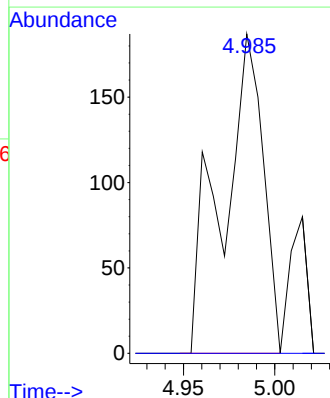
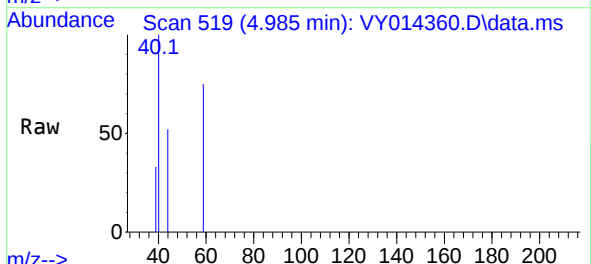
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC03-GRAB-6

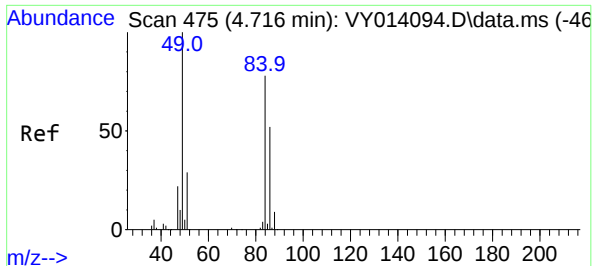
Tgt Ion:168 Resp: 180967
Ion Ratio Lower Upper
168 100
99 51.7 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.985 min Scan# 519
Delta R.T. 0.019 min
Lab File: VY014360.D
Acq: 22 Jun 2023 01:51

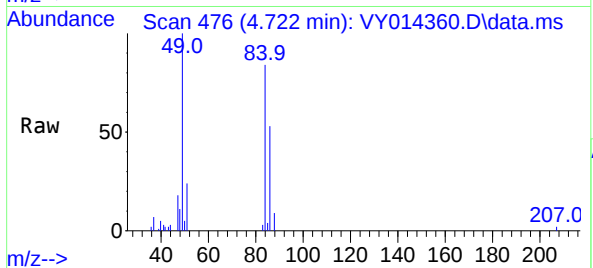
Tgt Ion: 59 Resp: 290
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



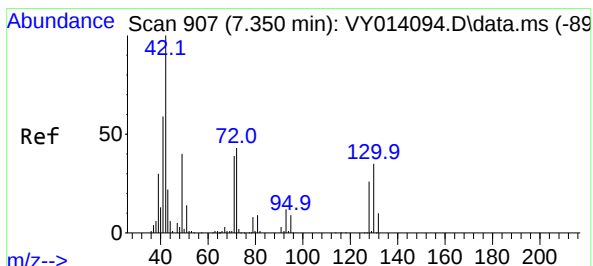
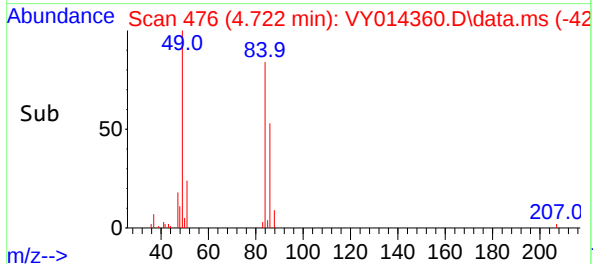
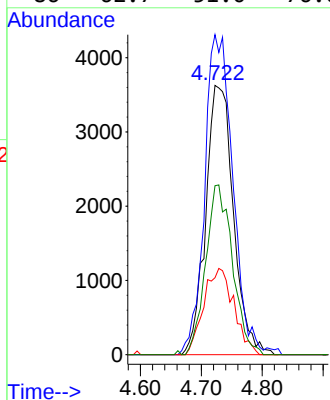


#20
Methylene Chloride
Concen: 1.248 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014360.D
Acq: 22 Jun 2023 01:51

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC03-GRAB-6

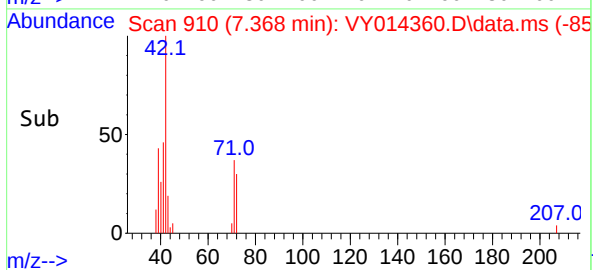
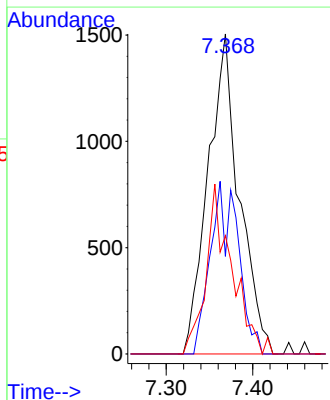
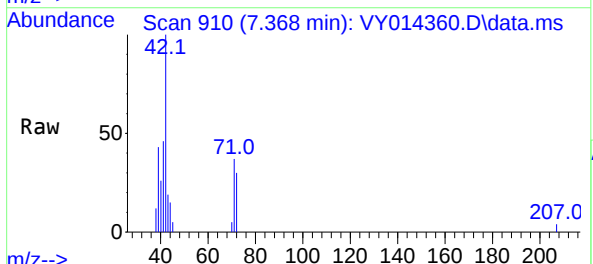


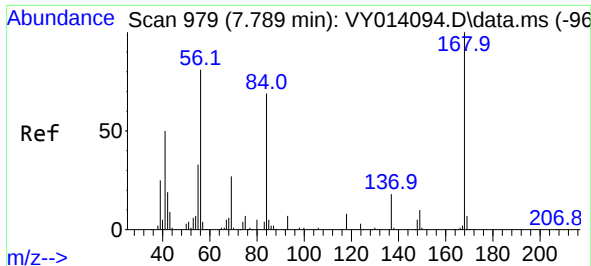
Tgt Ion: 84 Resp: 11504
Ion Ratio Lower Upper
84 100
49 118.8 106.9 160.3
51 28.6 33.2 49.8#
86 62.7 51.0 76.6



#29
Tetrahydrofuran
Concen: 6.363 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.018 min
Lab File: VY014360.D
Acq: 22 Jun 2023 01:51

Tgt Ion: 42 Resp: 3773
Ion Ratio Lower Upper
42 100
72 26.6 32.8 49.2#
71 43.7 31.0 46.4

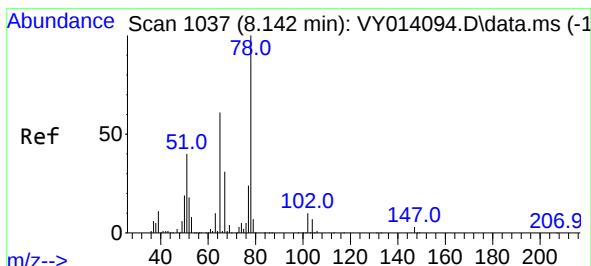
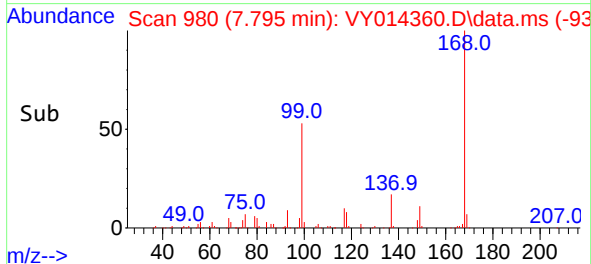
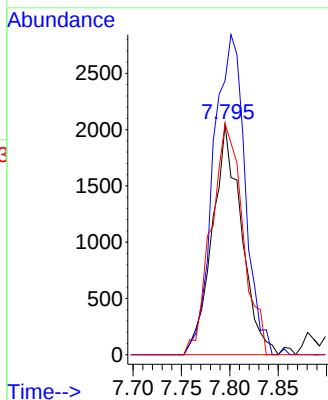
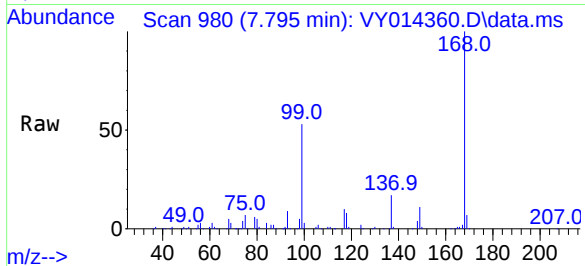




#31
Cyclohexane
Concen: 1.272 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014360.D
Acq: 22 Jun 2023 01:51

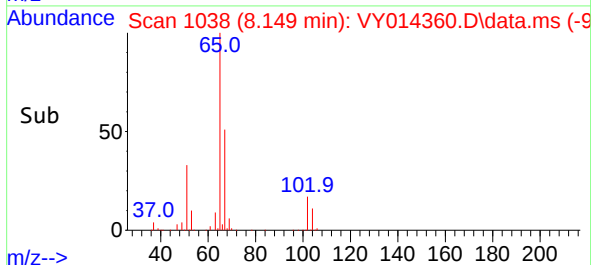
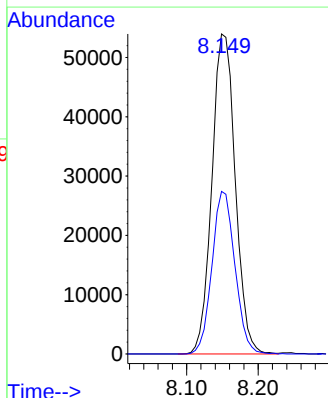
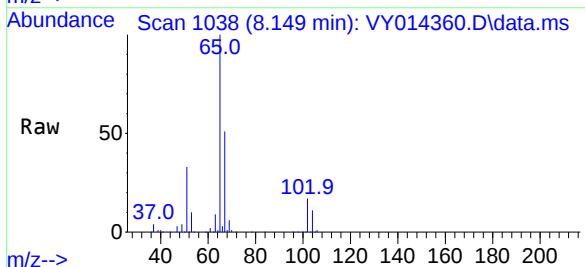
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC03-GRAB-6

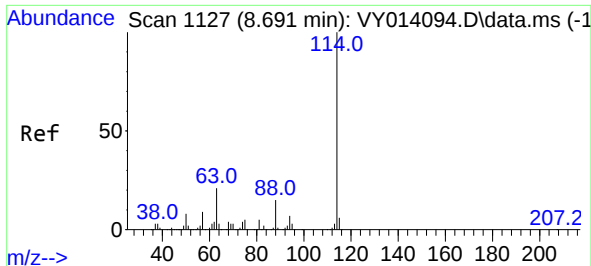
Tgt Ion: 56 Resp: 4293
Ion Ratio Lower Upper
56 100
69 118.9 27.8 41.6#
84 100.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.616 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014360.D
Acq: 22 Jun 2023 01:51

Tgt Ion: 65 Resp: 122511
Ion Ratio Lower Upper
65 100
67 49.9 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: VY014360.D

Acq: 22 Jun 2023 01:51

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-MC03-GRAB-6

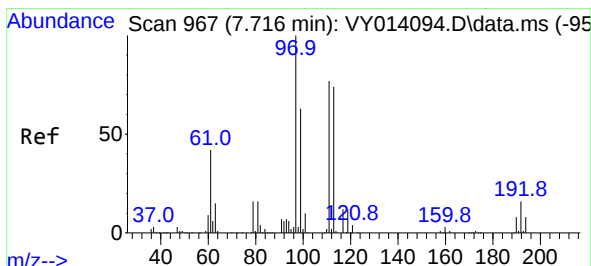
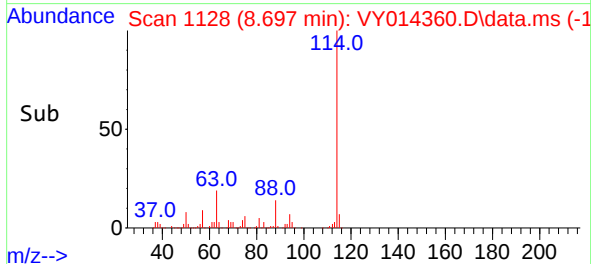
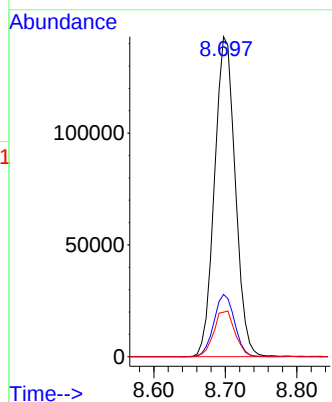
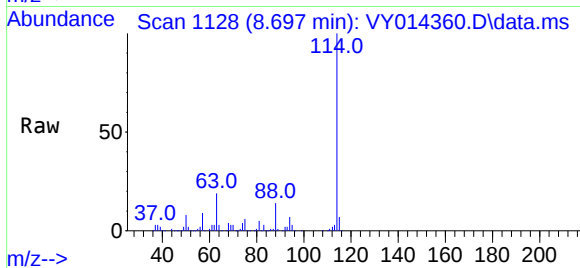
Tgt Ion:114 Resp: 287756

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 13.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.134 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014360.D

Acq: 22 Jun 2023 01:51

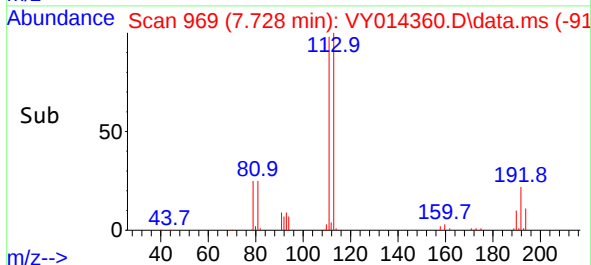
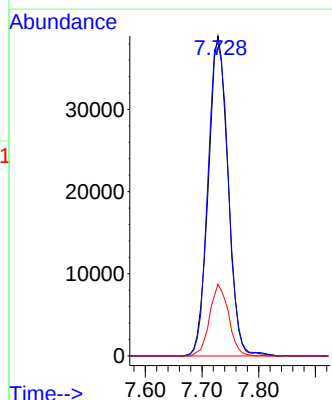
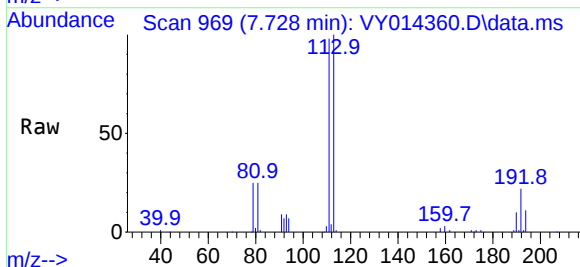
Tgt Ion:113 Resp: 94145

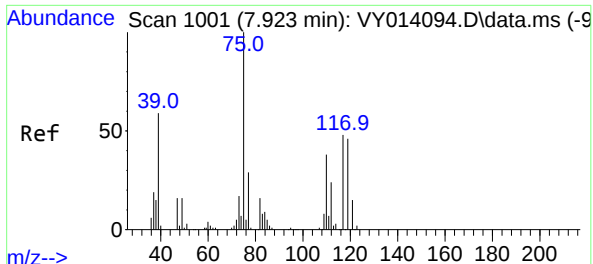
Ion Ratio Lower Upper

113 100

111 101.6 81.3 121.9

192 21.5 16.9 25.3

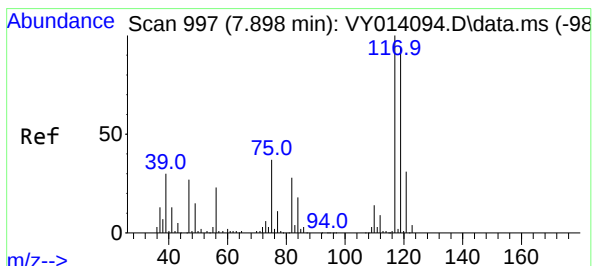
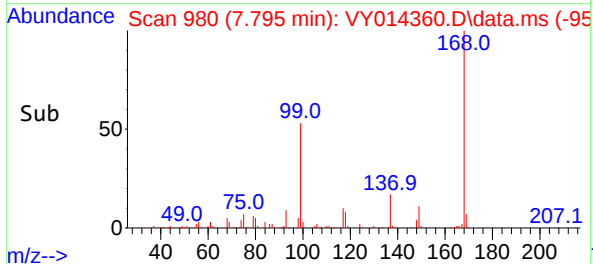
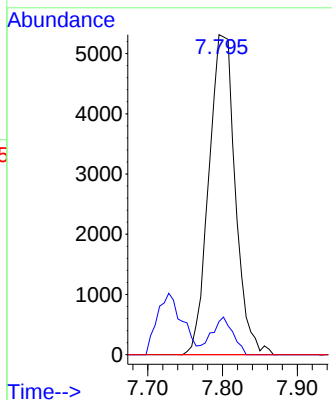
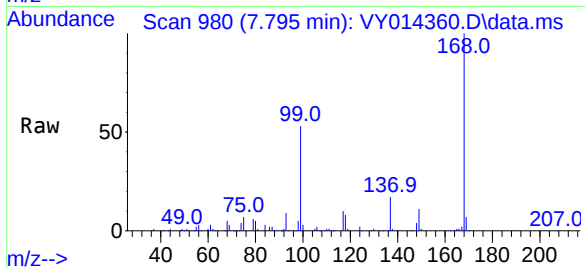




#36
1,1-Dichloropropene
Concen: 4.118 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014360.D
Acq: 22 Jun 2023 01:51

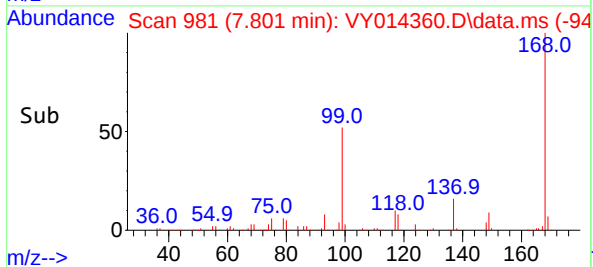
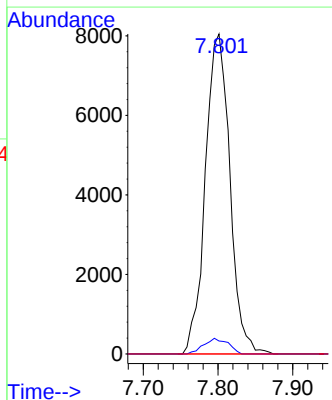
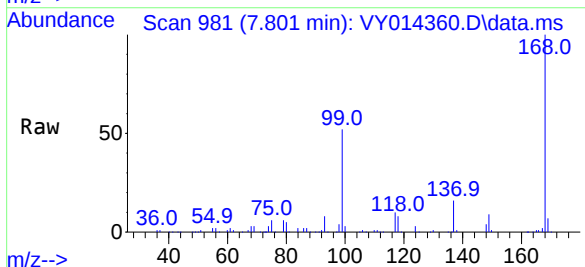
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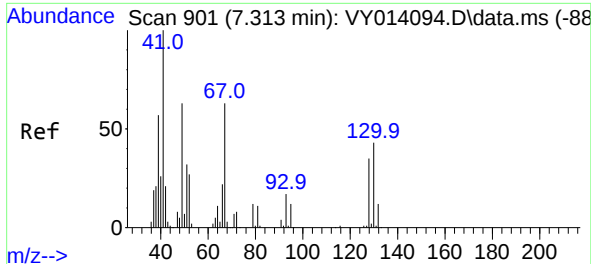
Tgt Ion: 75 Resp: 13100
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.998 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.097 min
Lab File: VY014360.D
Acq: 22 Jun 2023 01:51

Tgt Ion: 117 Resp: 18349
Ion Ratio Lower Upper
117 100
119 4.1 76.4 114.6#
121 0.0 25.8 38.6#

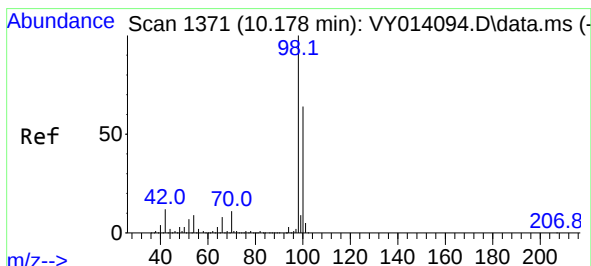
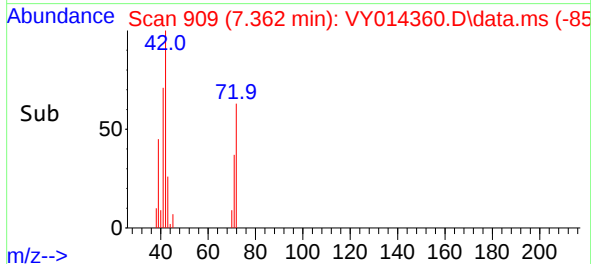
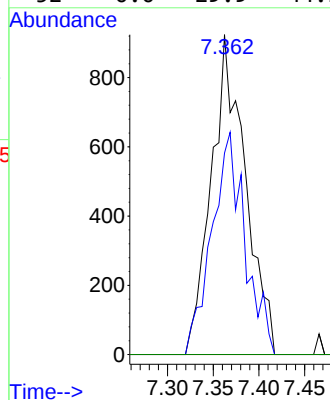
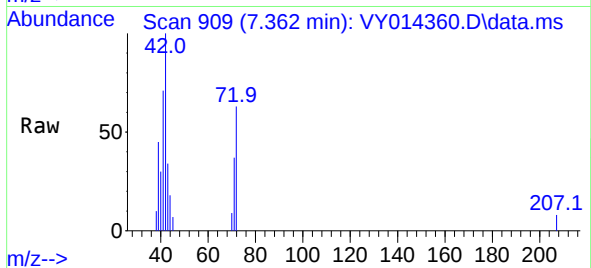




#41
Methacrylonitrile
Concen: 2.133 ug/l
RT: 7.362 min Scan# 901
Delta R.T. 0.049 min
Lab File: VY014360.D
Acq: 22 Jun 2023 01:51

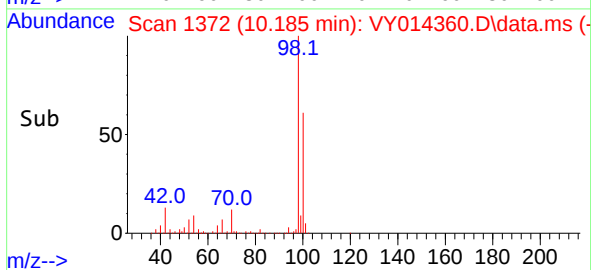
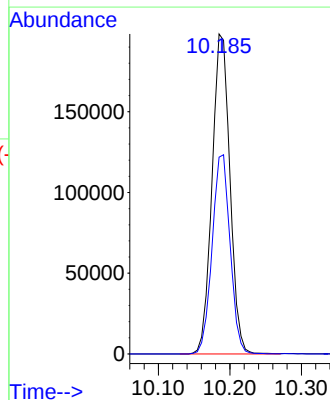
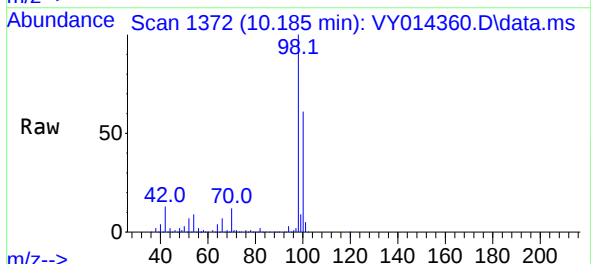
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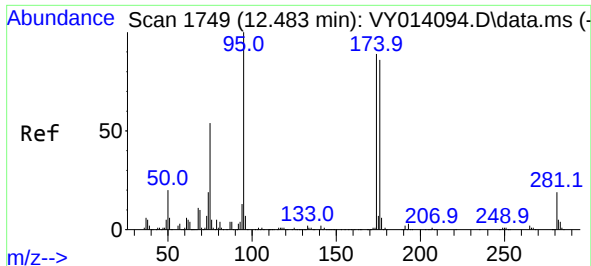
Tgt Ion: 41	Resp: 2390
Ion Ratio	Lower Upper
41 100	
39 67.7	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 45.135 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014360.D
Acq: 22 Jun 2023 01:51

Tgt Ion: 98	Resp: 344352
Ion Ratio	Lower Upper
98 100	
100 62.5	50.1 75.1

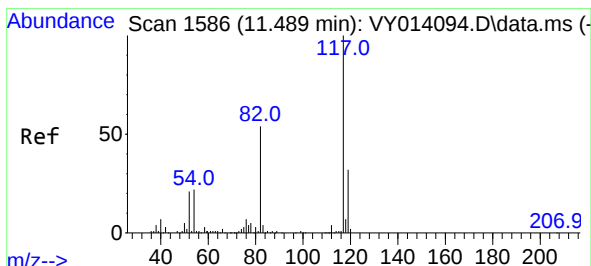
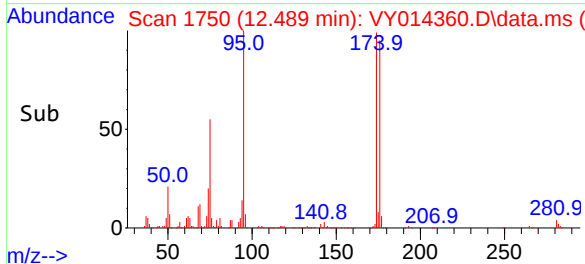
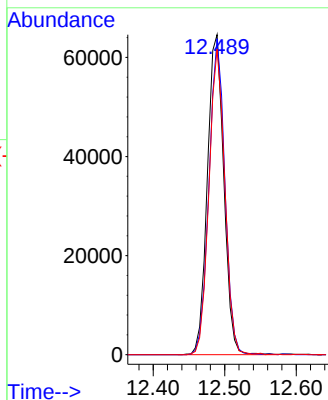
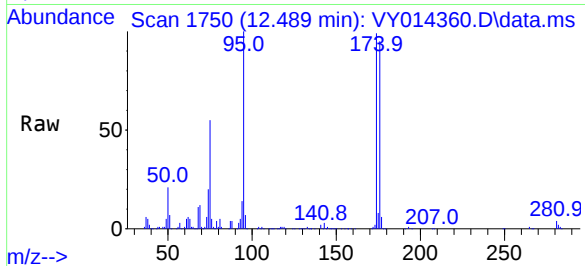




#62
4-Bromofluorobenzene
Concen: 38.009 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014360.D
Acq: 22 Jun 2023 01:51

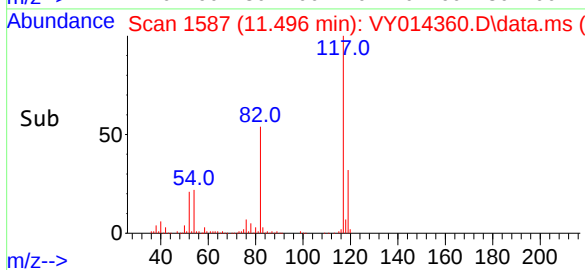
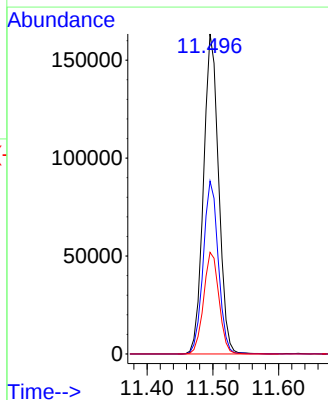
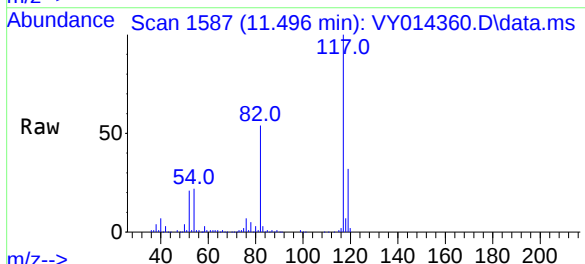
Instrument :
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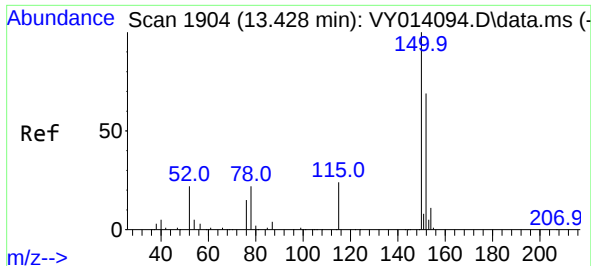
Tgt Ion: 95 Resp: 103012
Ion Ratio Lower Upper
95 100
174 95.4 0.0 178.2
176 92.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014360.D
Acq: 22 Jun 2023 01:51

Tgt Ion: 117 Resp: 261249
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 31.8 26.3 39.5

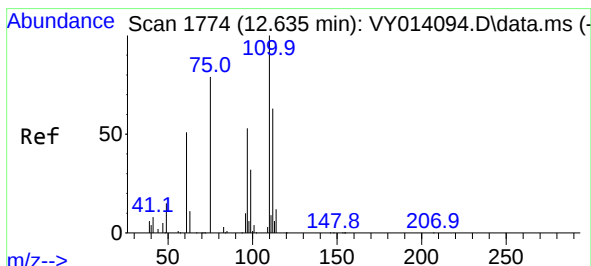
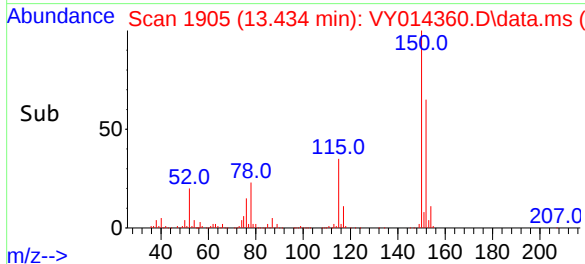
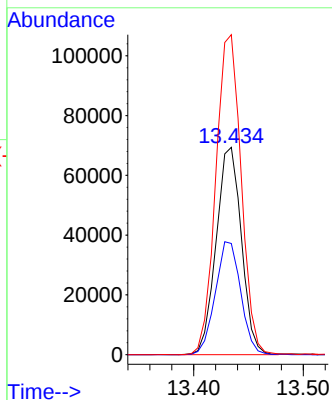
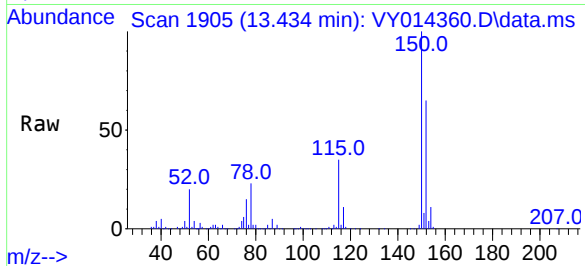




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014360.D
Acq: 22 Jun 2023 01:51

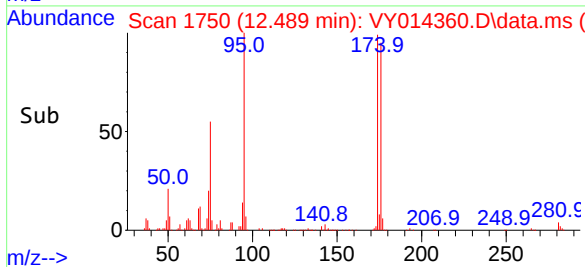
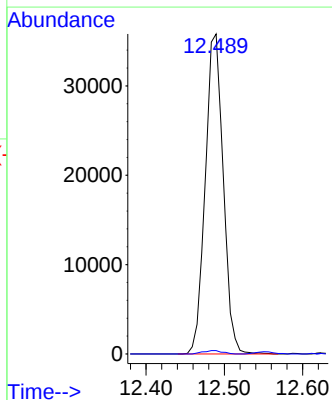
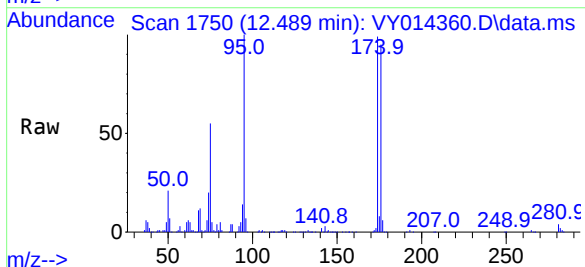
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC03-GRAB-6

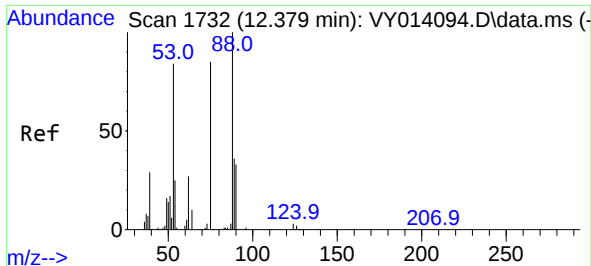
Tgt Ion:152 Resp: 111117
Ion Ratio Lower Upper
152 100
115 54.8 28.8 86.5
150 155.1 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 39.109 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014360.D
Acq: 22 Jun 2023 01:51

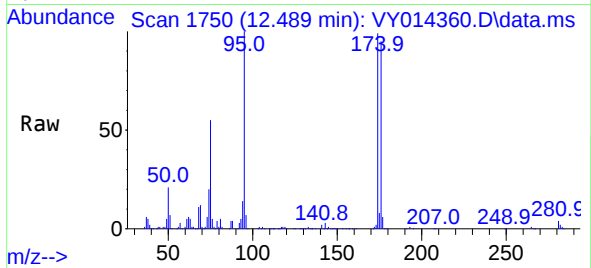
Tgt Ion: 75 Resp: 57014
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.538 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014360.D
 Acq: 22 Jun 2023 01:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-MC03-GRAB-6



Tgt Ion: 75 Resp: 57014
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.1 37.4 56.0#

