

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014309.D
 Acq On : 21 Jun 2023 02:26
 Operator : KP/MD
 Sample : 03328-05
 Misc : 7.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW02-8-15-GRAB-6

Quant Time: Jun 21 05:09:26 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)

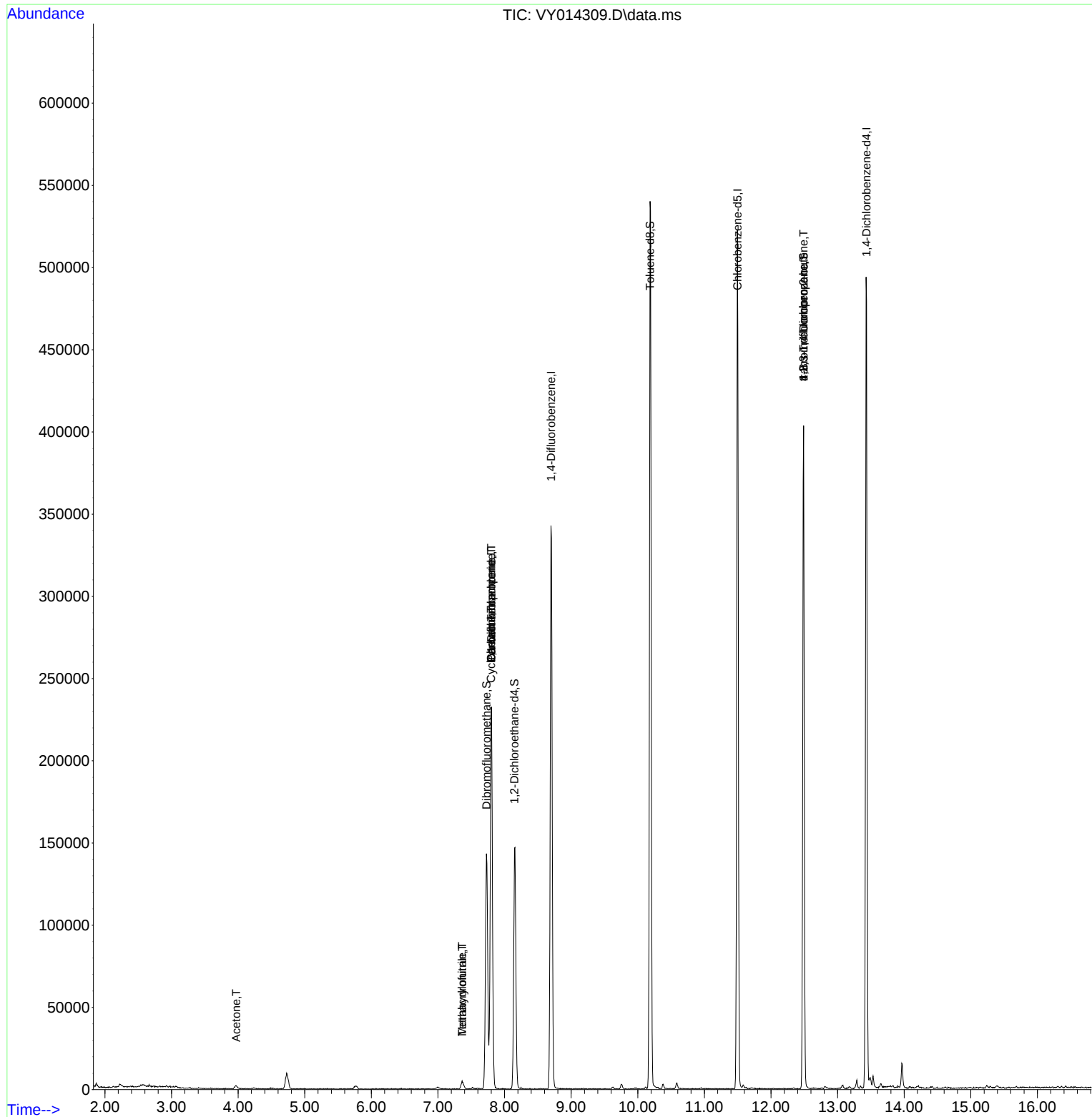
Internal Standards						
1) Pentafluorobenzene	7.801	168	179077	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	289573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	275383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	129472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	125995	50.526	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.060%	
35) Dibromofluoromethane	7.728	113	98397	47.915	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.820%	
50) Toluene-d8	10.185	98	358511	46.696	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.400%	
62) 4-Bromofluorobenzene	12.489	95	113135	41.483	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.960%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.979	59	160	Below Cal	#	89
16) Acetone	3.973	43	3627	4.825	ug/l #	83
20) Methylene Chloride	4.741	84	7260	Below Cal	#	82
29) Tetrahydrofuran	7.362	42	3669	6.253	ug/l	94
31) Cyclohexane	7.795	56	4203	1.258	ug/l #	33
36) 1,1-Dichloropropene	7.801	75	13592	4.245	ug/l #	51
38) Carbon Tetrachloride	7.801	117	17692	4.789	ug/l #	16
41) Methacrylonitrile	7.362	41	2384	2.115	ug/l #	43
76) 1,2,3-Trichloropropane	12.489	75	62491	36.789	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	62491	79.523	ug/l #	11

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

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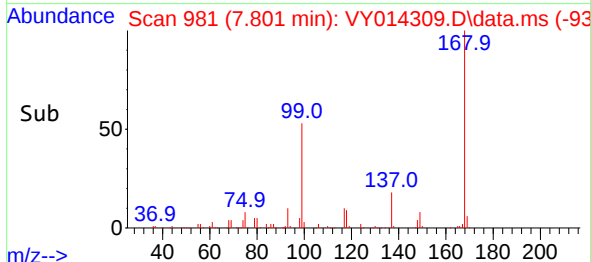
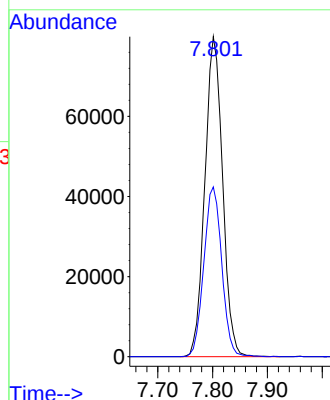
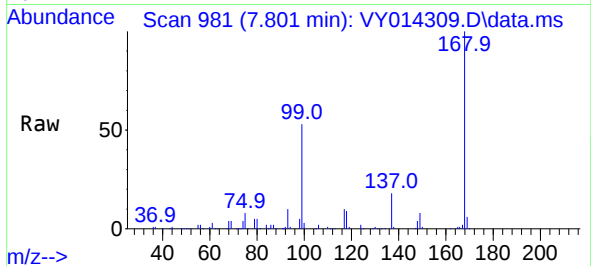




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014309.D
Acq: 21 Jun 2023 02:26

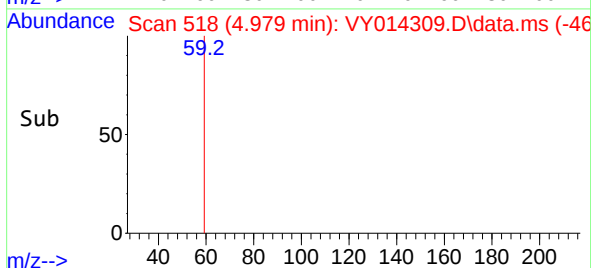
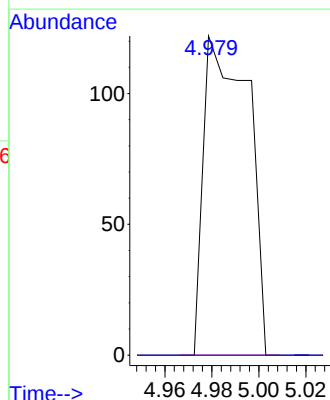
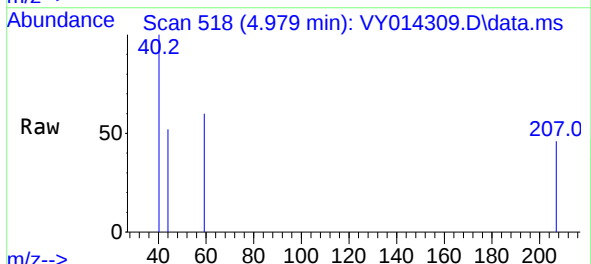
Instrument :
MSVOA_Y
ClientSampleId :
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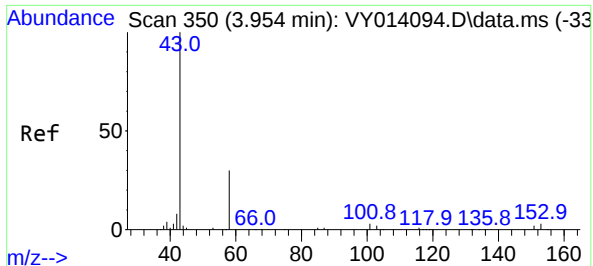
Tgt Ion:168 Resp: 179077
Ion Ratio Lower Upper
168 100
99 53.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.979 min Scan# 518
Delta R.T. 0.013 min
Lab File: VY014309.D
Acq: 21 Jun 2023 02:26

Tgt Ion: 59 Resp: 160
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

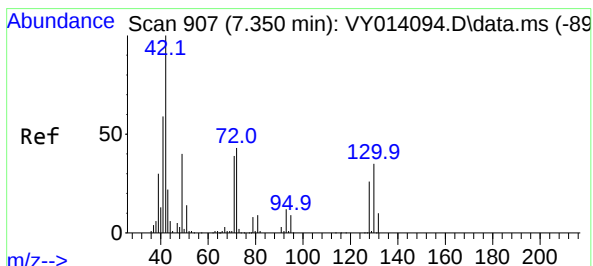
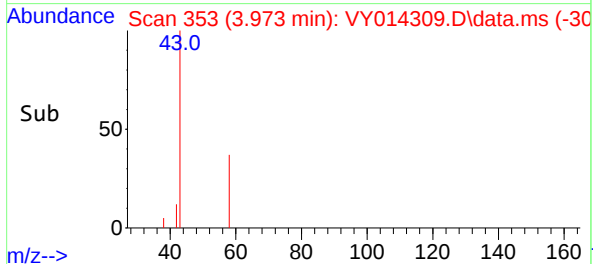
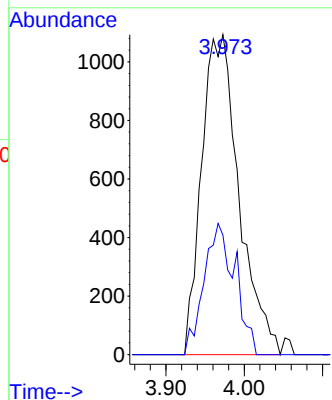
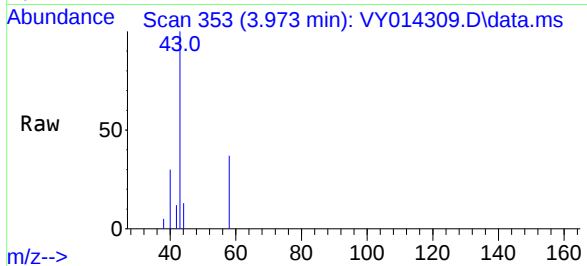




#16
Acetone
Concen: 4.825 ug/l
RT: 3.973 min Scan# 311
Delta R.T. 0.019 min
Lab File: VY014309.D
Acq: 21 Jun 2023 02:26

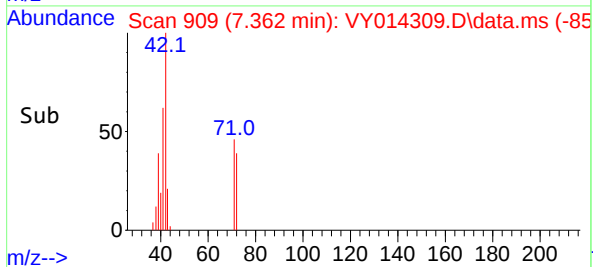
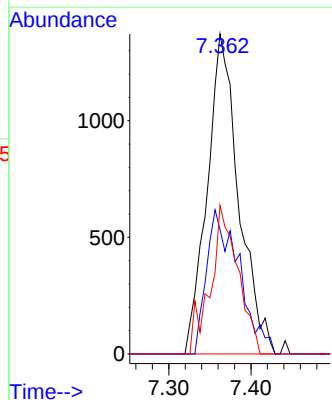
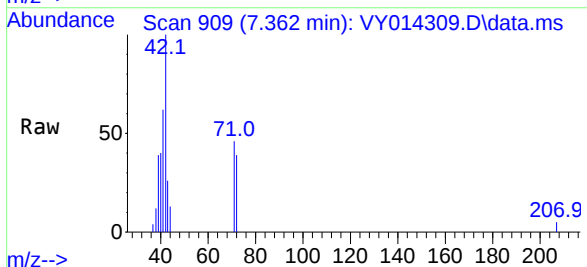
Instrument :
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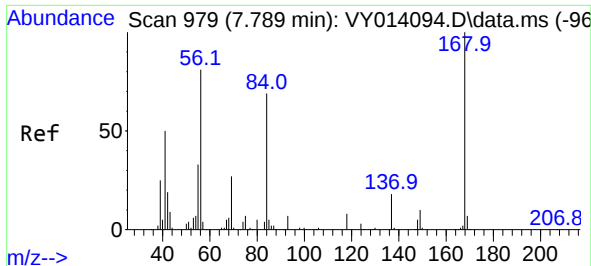
Tgt Ion: 43 Resp: 3627
Ion Ratio Lower Upper
43 100
58 37.3 22.7 34.1#



#29
Tetrahydrofuran
Concen: 6.253 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.012 min
Lab File: VY014309.D
Acq: 21 Jun 2023 02:26

Tgt Ion: 42 Resp: 3669
Ion Ratio Lower Upper
42 100
72 46.4 32.8 49.2
71 40.4 31.0 46.4

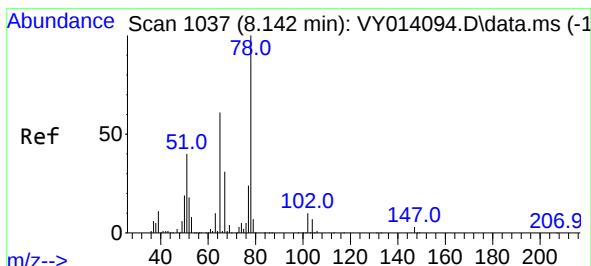
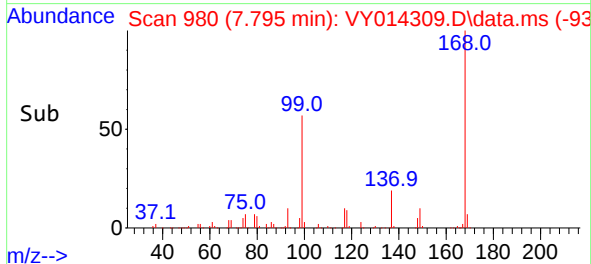
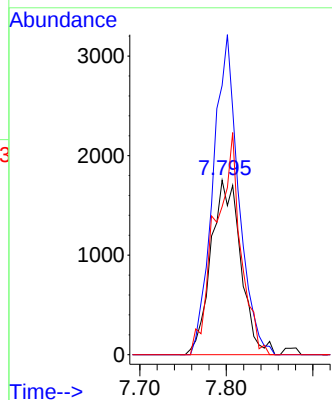
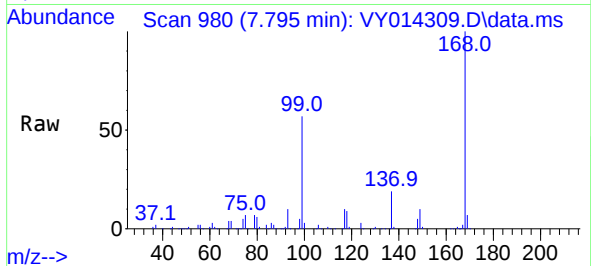




#31
Cyclohexane
Concen: 1.258 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014309.D
Acq: 21 Jun 2023 02:26

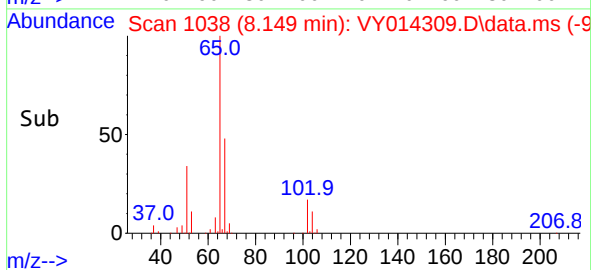
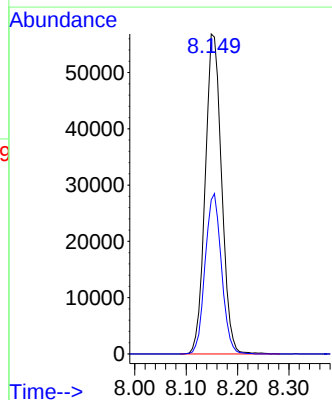
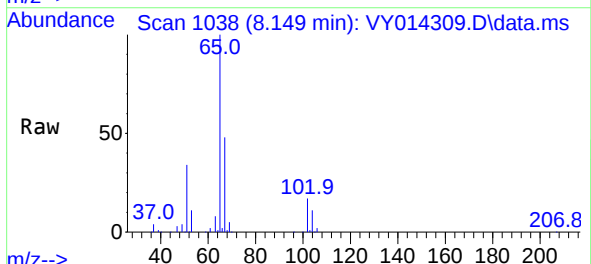
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-8-15-GRAB-6

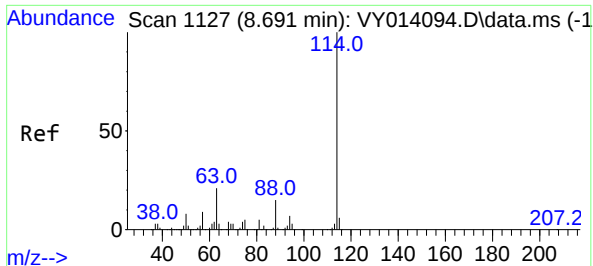
Tgt Ion: 56 Resp: 4203
Ion Ratio Lower Upper
56 100
69 154.4 27.8 41.6#
84 90.7 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 50.526 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014309.D
Acq: 21 Jun 2023 02:26

Tgt Ion: 65 Resp: 125995
Ion Ratio Lower Upper
65 100
67 49.8 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: VY014309.D

Acq: 21 Jun 2023 02:26

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW02-8-15-GRAB-6

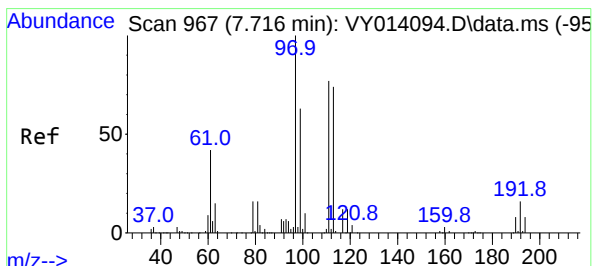
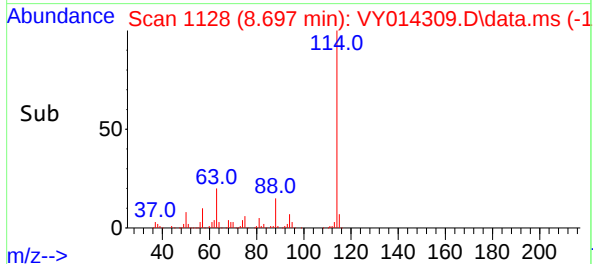
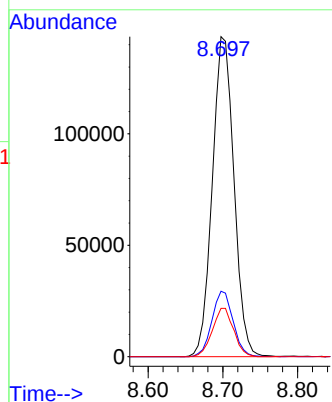
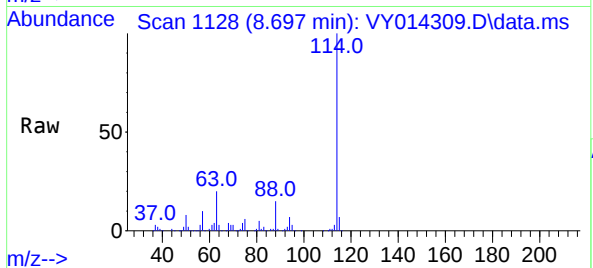
Tgt Ion:114 Resp: 289573

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.915 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014309.D

Acq: 21 Jun 2023 02:26

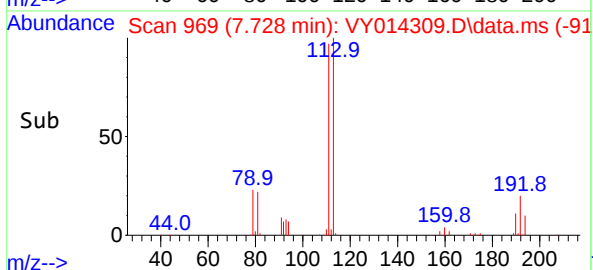
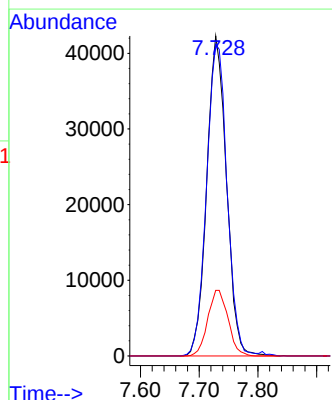
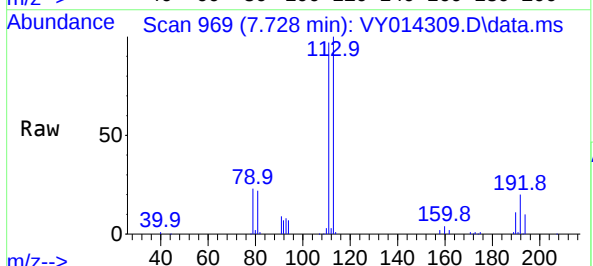
Tgt Ion:113 Resp: 98397

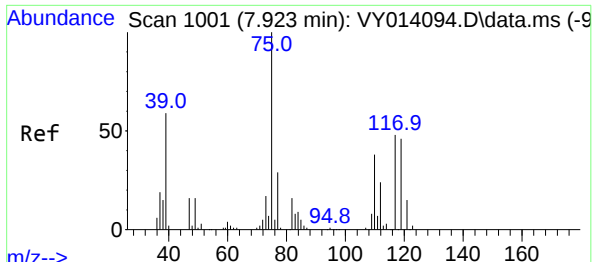
Ion Ratio Lower Upper

113 100

111 101.6 81.3 121.9

192 21.1 16.9 25.3

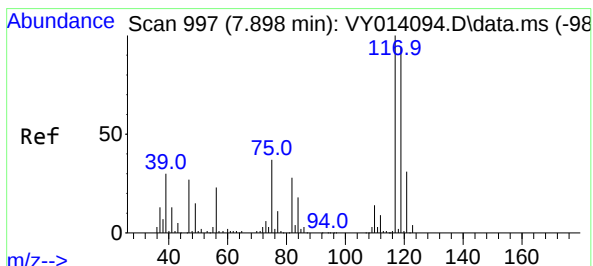
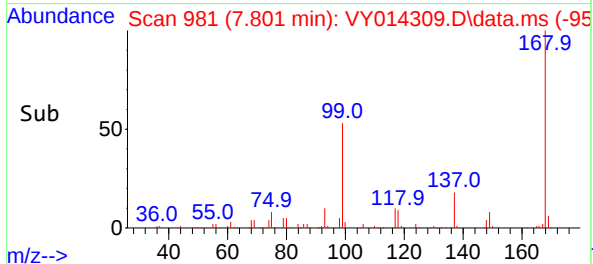
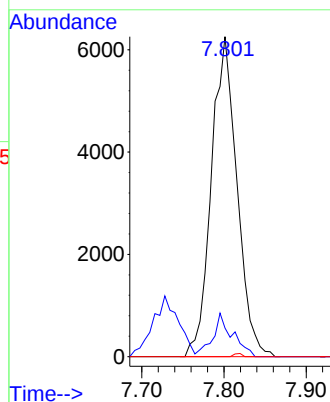
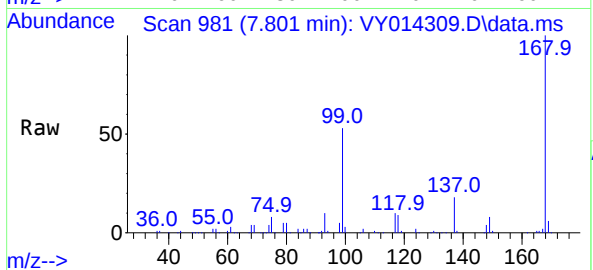




#36
1,1-Dichloropropene
Concen: 4.245 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY014309.D
Acq: 21 Jun 2023 02:26

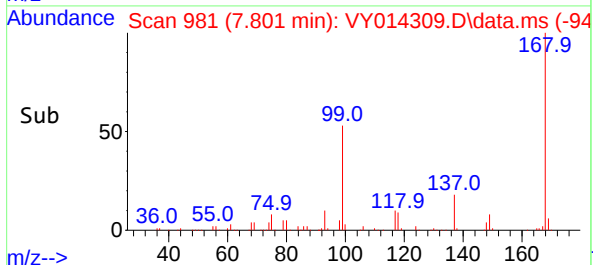
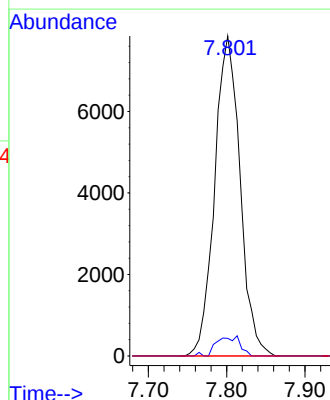
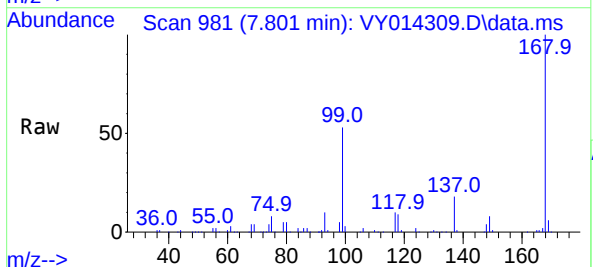
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ClientSampleId :
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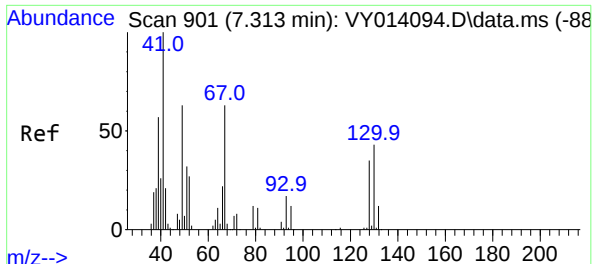
Tgt Ion: 75 Resp: 13592
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.789 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.097 min
Lab File: VY014309.D
Acq: 21 Jun 2023 02:26

Tgt Ion:117 Resp: 17692
Ion Ratio Lower Upper
117 100
119 5.5 76.4 114.6#
121 0.0 25.8 38.6#

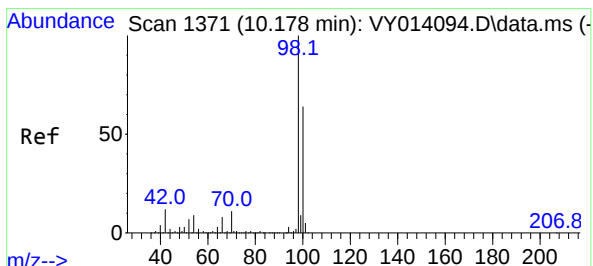
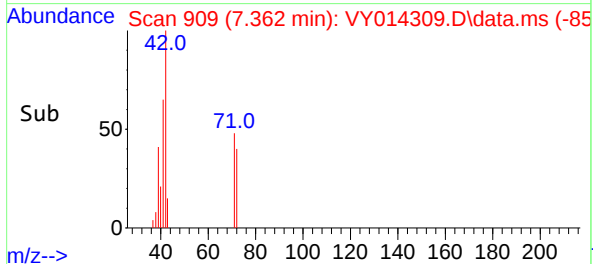
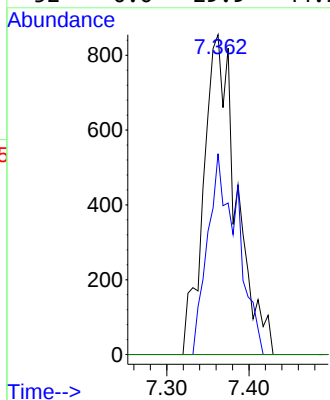
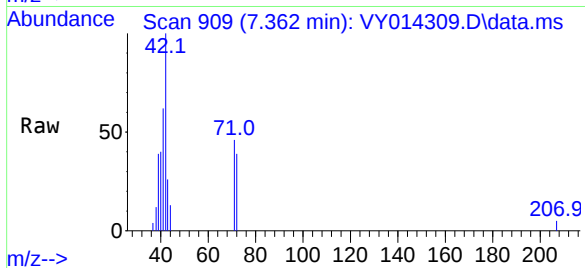




#41
Methacrylonitrile
Concen: 2.115 ug/l
RT: 7.362 min Scan# 901
Delta R.T. 0.049 min
Lab File: VY014309.D
Acq: 21 Jun 2023 02:26

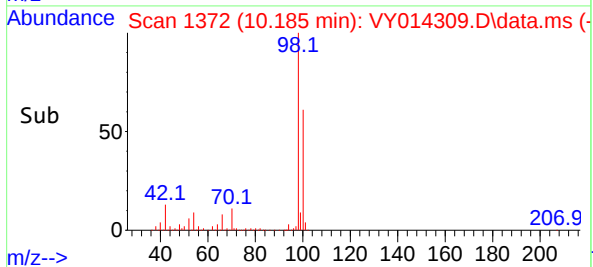
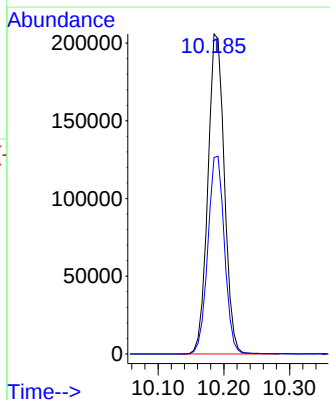
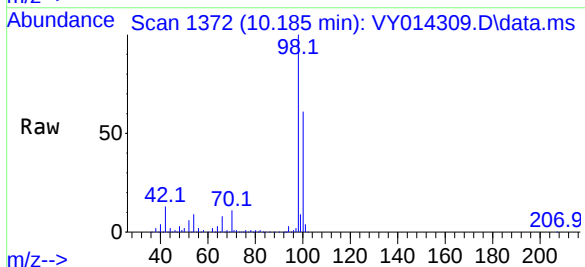
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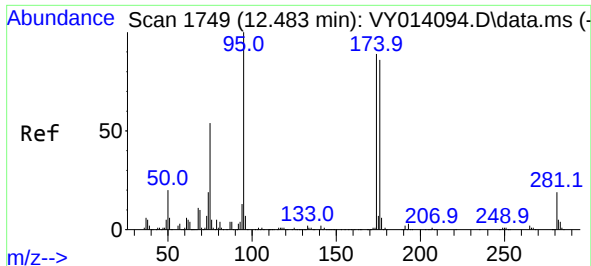
Tgt Ion: 41	Resp: 2384
Ion Ratio	Lower Upper
41 100	
39 57.1	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 46.696 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014309.D
Acq: 21 Jun 2023 02:26

Tgt Ion: 98	Resp: 358511
Ion Ratio	Lower Upper
98 100	
100 62.4	50.1 75.1

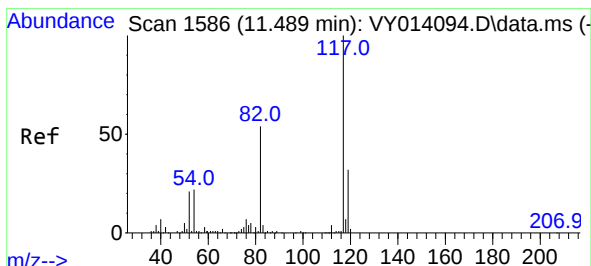
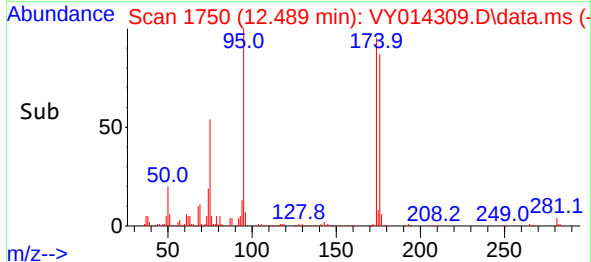
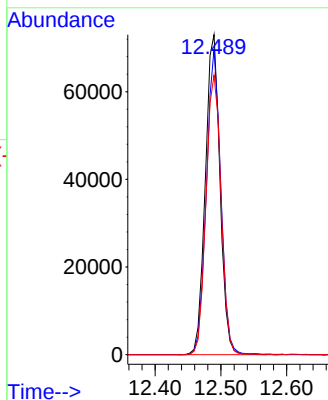
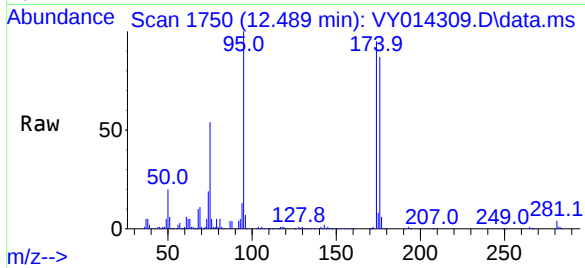




#62
4-Bromofluorobenzene
Concen: 41.483 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014309.D
Acq: 21 Jun 2023 02:26

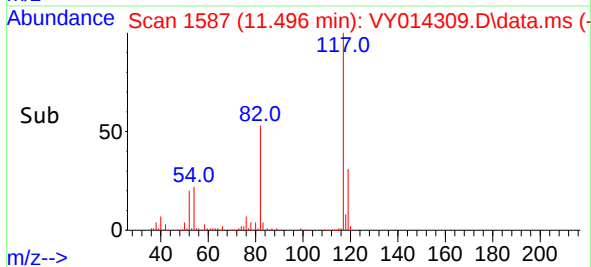
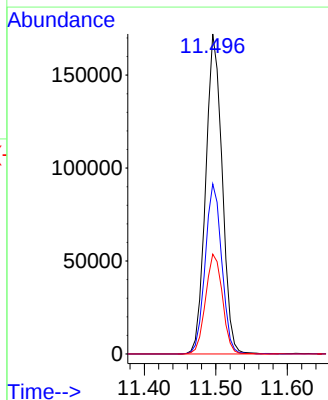
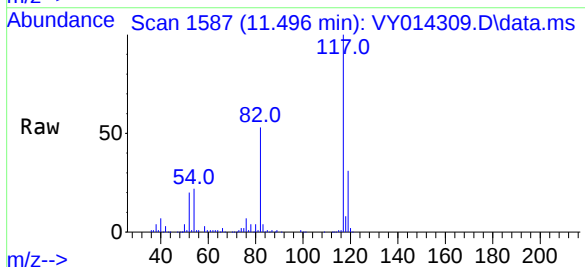
Instrument :
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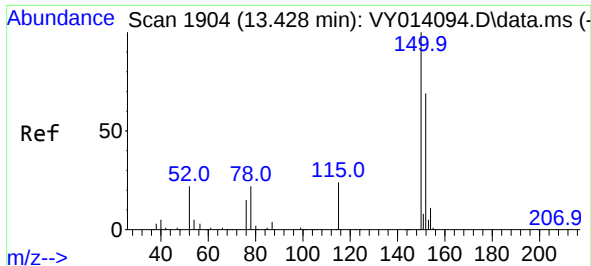
Tgt Ion: 95 Resp: 113135
Ion Ratio Lower Upper
95 100
174 94.0 0.0 178.2
176 89.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014309.D
Acq: 21 Jun 2023 02:26

Tgt Ion: 117 Resp: 275383
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 31.2 26.3 39.5

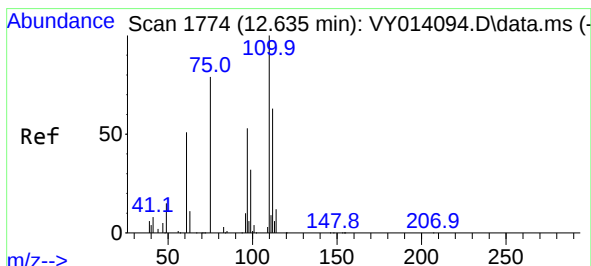
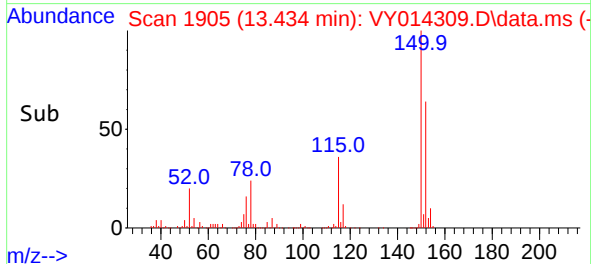
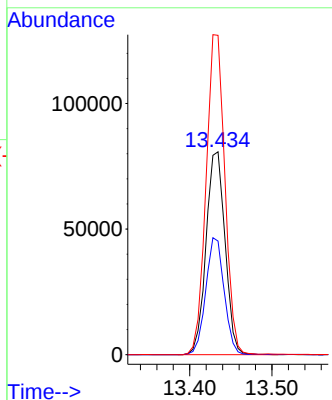
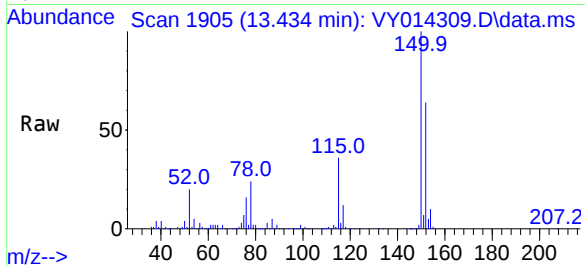




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014309.D
Acq: 21 Jun 2023 02:26

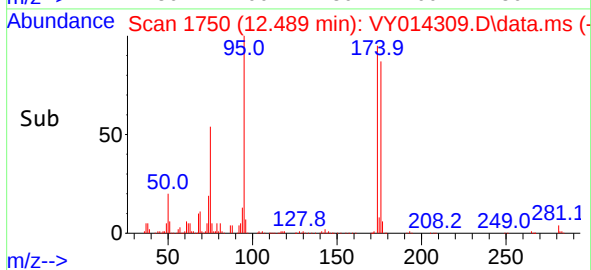
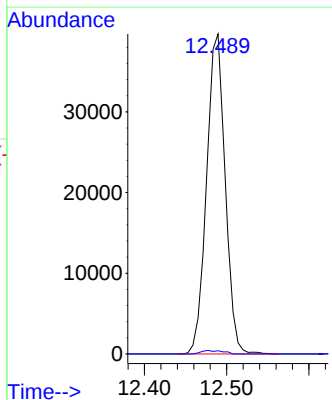
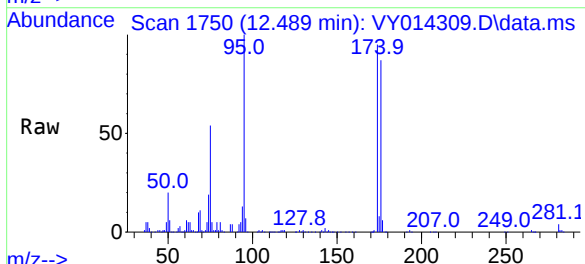
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-8-15-GRAB-6

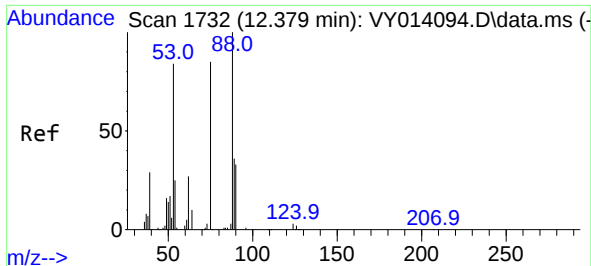
Tgt Ion:152 Resp: 129472
Ion Ratio Lower Upper
152 100
115 56.1 28.8 86.5
150 155.9 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 36.789 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014309.D
Acq: 21 Jun 2023 02:26

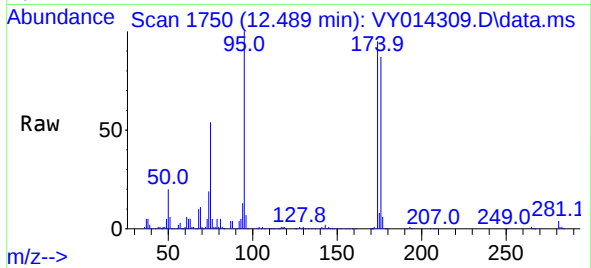
Tgt Ion: 75 Resp: 62491
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.523 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014309.D
 Acq: 21 Jun 2023 02:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW02-8-15-GRAB-6



Tgt Ion: 75 Resp: 62491
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 37.4 56.0#

