

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014255.D
 Acq On : 20 Jun 2023 03:05
 Operator : KP/MD
 Sample : 03327-11
 Misc : 5.97g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-02-GRAB-6

Quant Time: Jun 20 05:47:29 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)

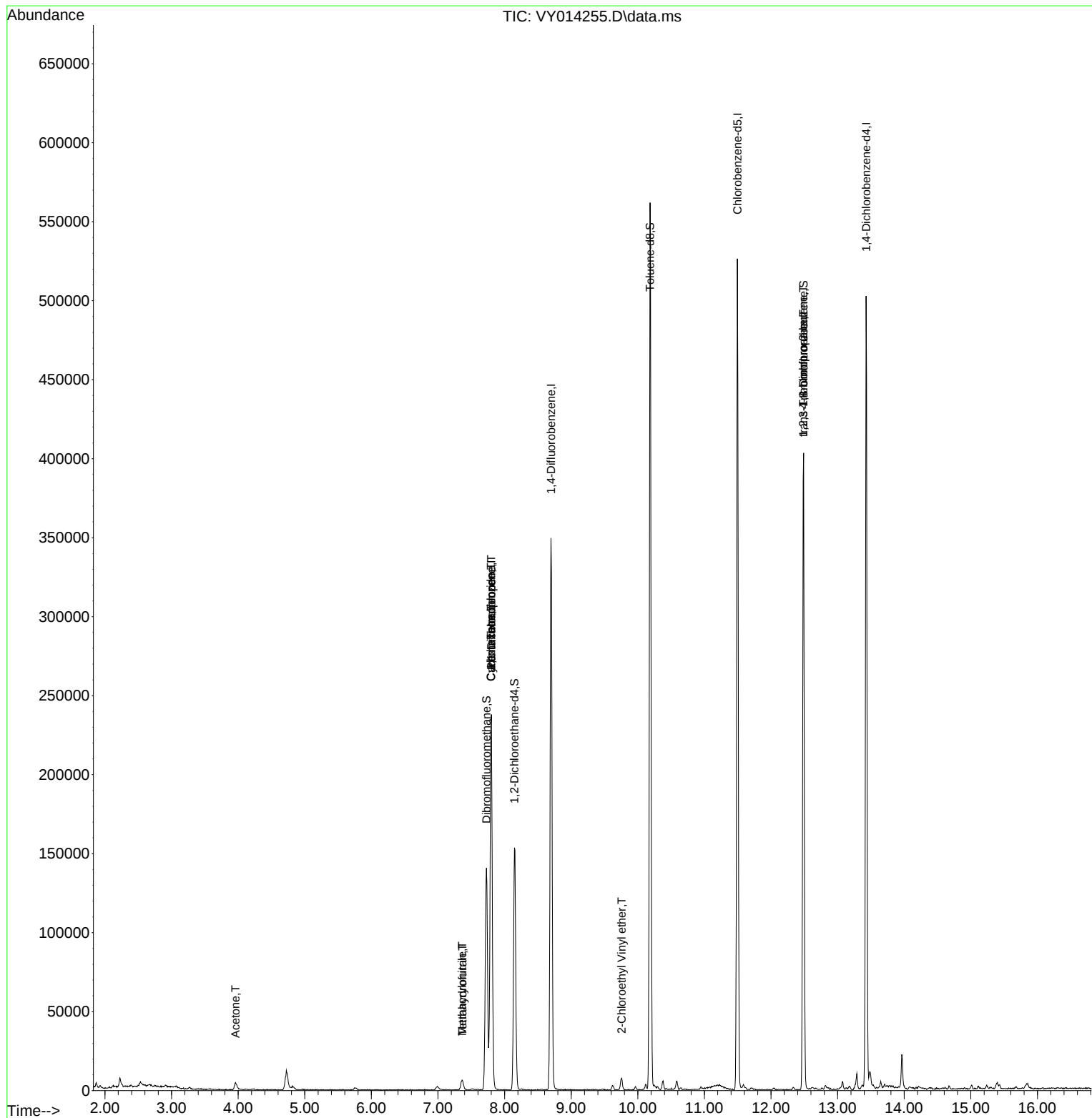
Internal Standards						
1) Pentafluorobenzene	7.801	168	185913	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	294549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	274972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	130659	50.470	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.940%	
35) Dibromofluoromethane	7.728	113	95559	45.747	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.500%	
50) Toluene-d8	10.185	98	354879	45.442	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.880%	
62) 4-Bromofluorobenzene	12.489	95	113175	40.796	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.600%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	615	Below Cal	#	89
13) Acrolein	3.729	56	55	Below Cal	#	62
16) Acetone	3.960	43	7644	9.795	ug/l #	88
20) Methylene Chloride	4.722	84	8275	Below Cal	#	84
29) Tetrahydrofuran	7.368	42	5153	8.460	ug/l	94
31) Cyclohexane	7.795	56	4233	1.221	ug/l #	13
36) 1,1-Dichloropropene	7.801	75	14022	4.306	ug/l #	50
38) Carbon Tetrachloride	7.795	117	18356	4.884	ug/l #	17
41) Methacrylonitrile	7.362	41	3127	2.727	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.758	63	26	28.638	ug/l #	48
76) 1,2,3-Trichloropropane	12.483	75	61325	36.802	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	61325	79.551	ug/l #	11

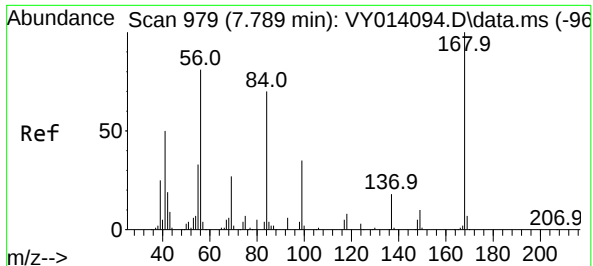
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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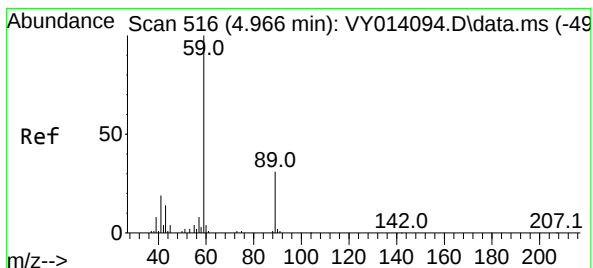
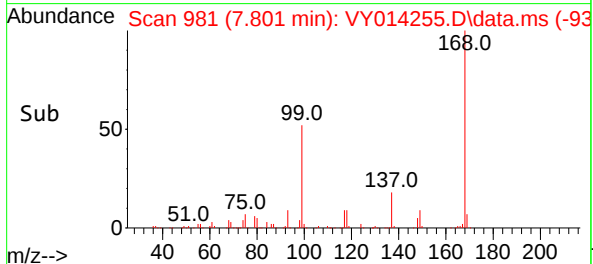
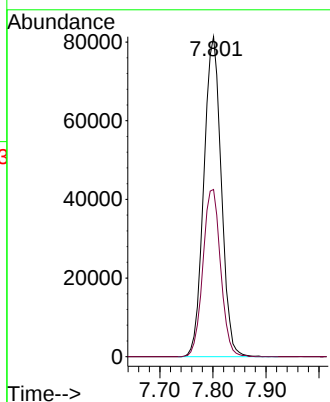
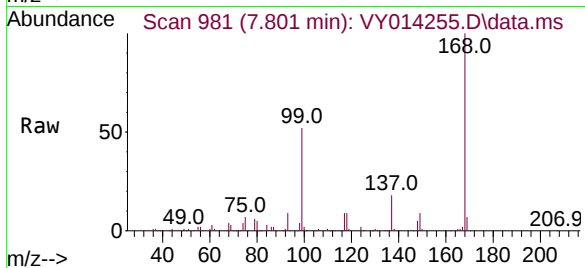




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014255.D
Acq: 20 Jun 2023 03:05

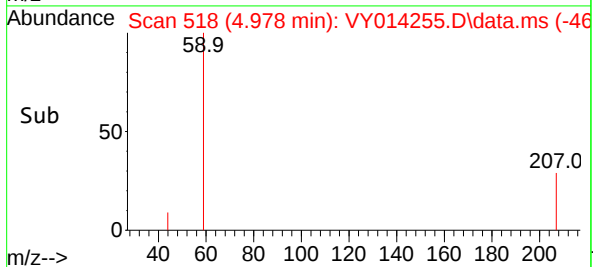
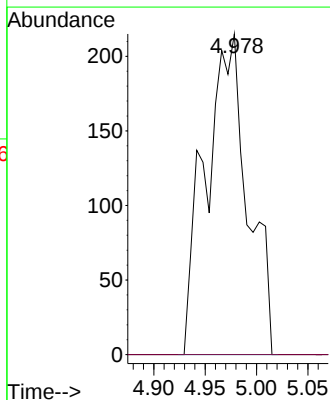
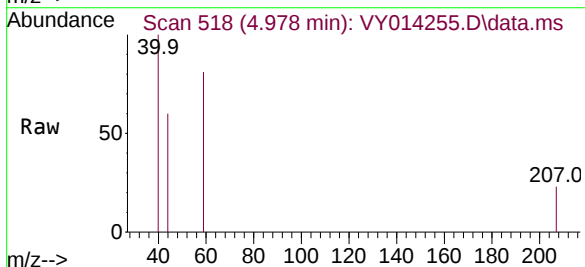
Instrument :
MSVOA_Y
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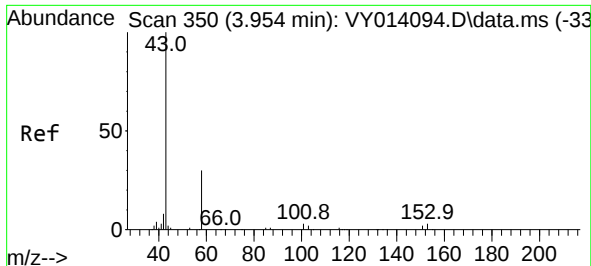
Tgt Ion:168 Resp: 185913
Ion Ratio Lower Upper
168 100
99 52.3 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.978 min Scan# 518
Delta R.T. 0.012 min
Lab File: VY014255.D
Acq: 20 Jun 2023 03:05

Tgt Ion: 59 Resp: 615
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

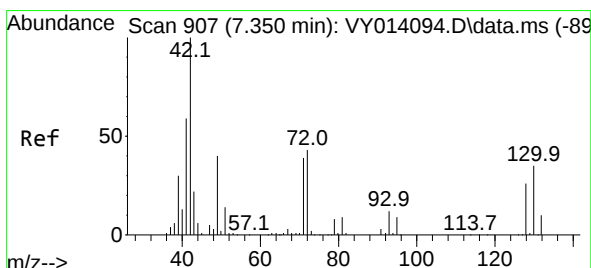
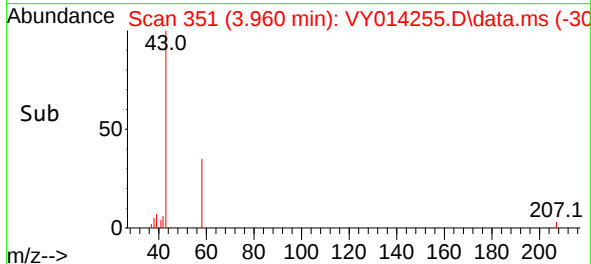
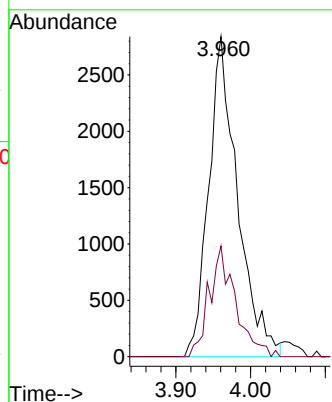
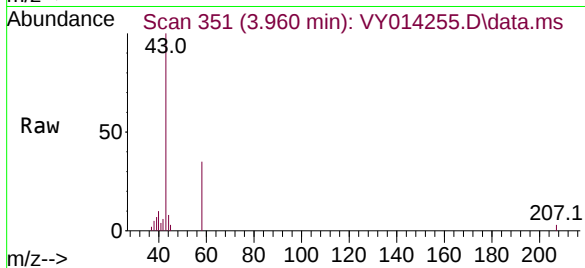




#16
Acetone
Concen: 9.795 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014255.D
Acq: 20 Jun 2023 03:05

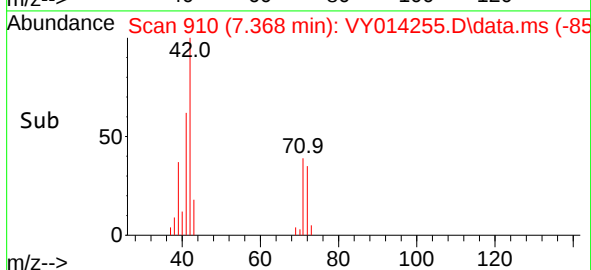
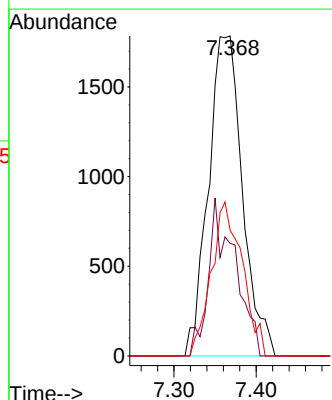
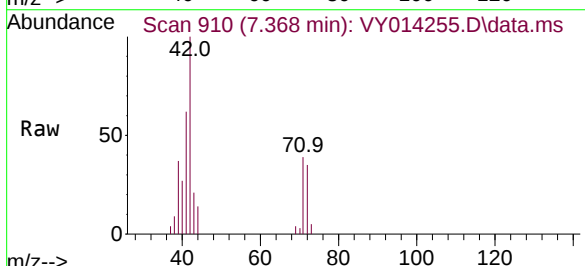
Instrument :
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ClientSampleId :
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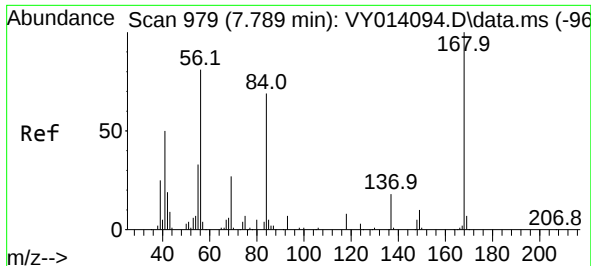
Tgt Ion: 43 Resp: 7644
Ion Ratio Lower Upper
43 100
58 34.6 22.7 34.1#



#29
Tetrahydrofuran
Concen: 8.460 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.018 min
Lab File: VY014255.D
Acq: 20 Jun 2023 03:05

Tgt Ion: 42 Resp: 5153
Ion Ratio Lower Upper
42 100
72 38.4 32.8 49.2
71 43.7 31.0 46.4

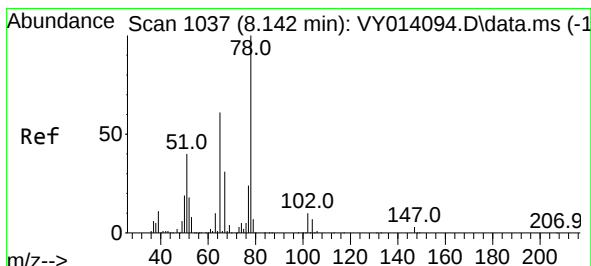
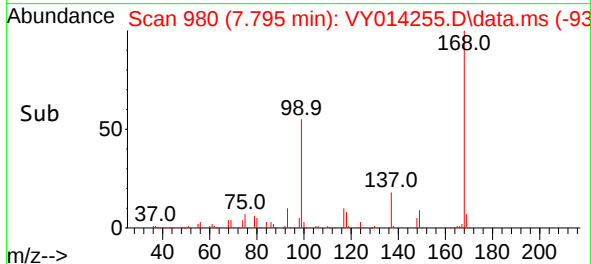
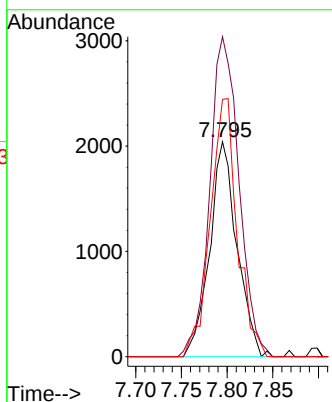
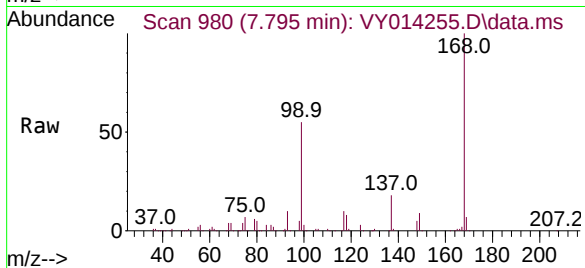




#31
Cyclohexane
Concen: 1.221 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014255.D
Acq: 20 Jun 2023 03:05

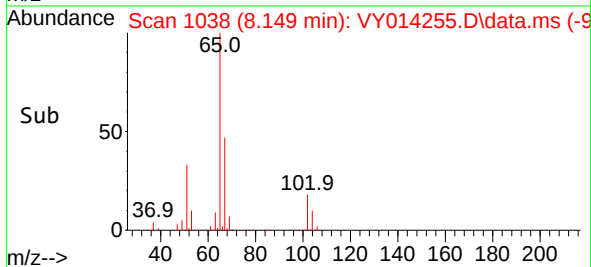
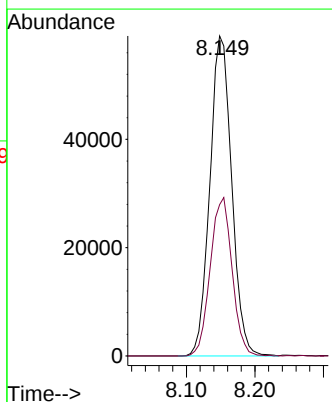
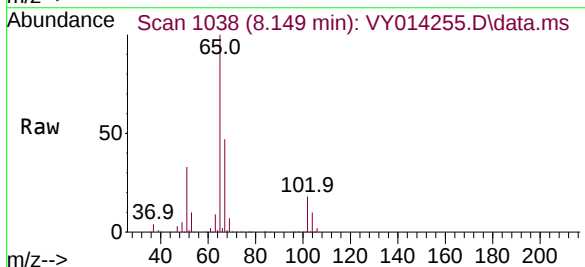
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-02-GRAB-6

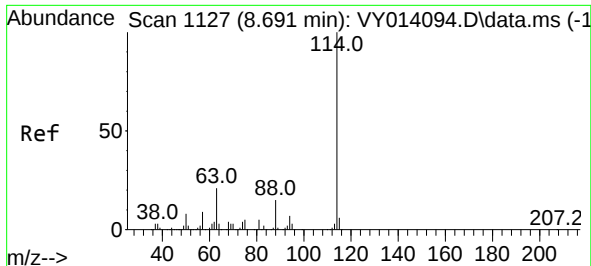
Tgt Ion: 56 Resp: 4233
Ion Ratio Lower Upper
56 100
69 148.9 27.8 41.6#
84 119.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 50.470 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014255.D
Acq: 20 Jun 2023 03:05

Tgt Ion: 65 Resp: 130659
Ion Ratio Lower Upper
65 100
67 49.5 0.0 101.8

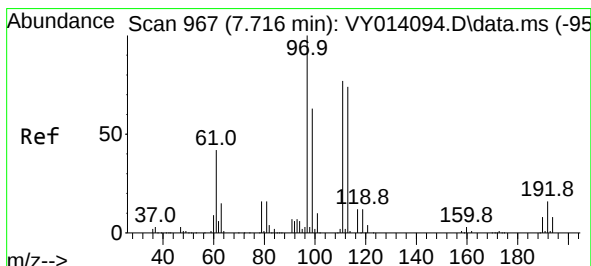
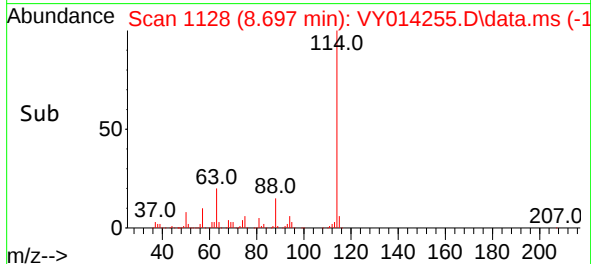
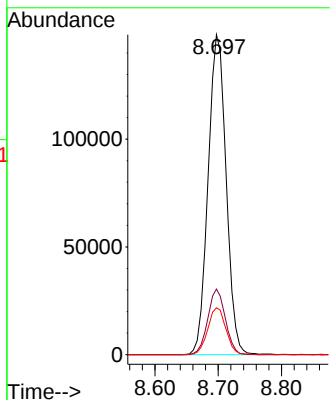
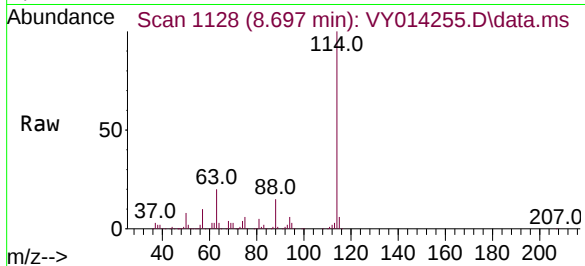




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014255.D
Acq: 20 Jun 2023 03:05

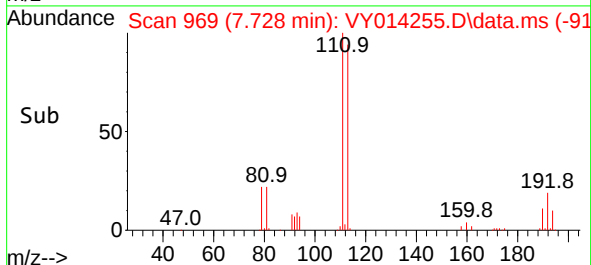
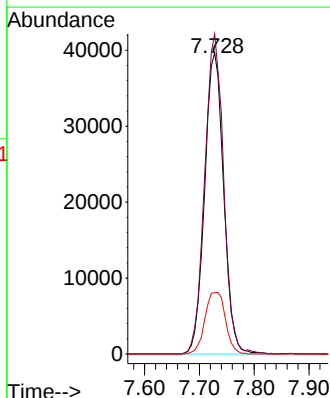
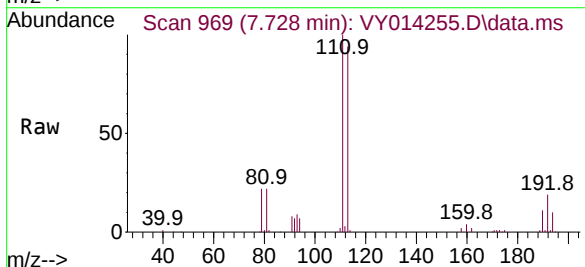
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-02-GRAB-6

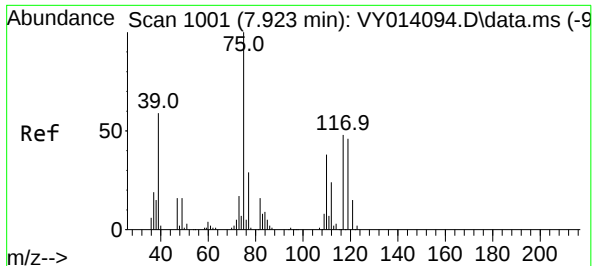
Tgt Ion:114 Resp: 294549
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.4
88 14.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 45.747 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY014255.D
Acq: 20 Jun 2023 03:05

Tgt Ion:113 Resp: 95559
Ion Ratio Lower Upper
113 100
111 105.4 81.3 121.9
192 22.0 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.306 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY014255.D

Acq: 20 Jun 2023 03:05

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-02-GRAB-6

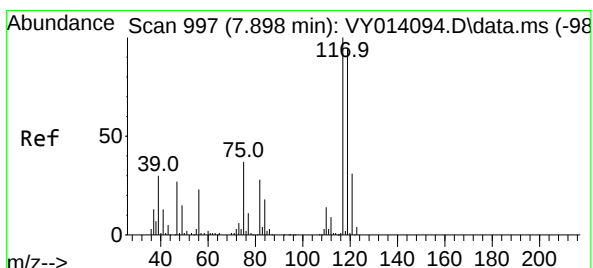
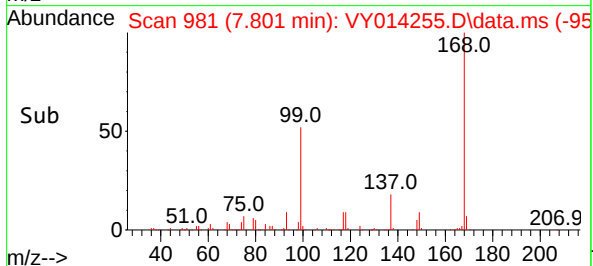
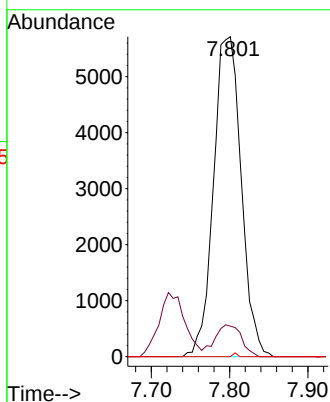
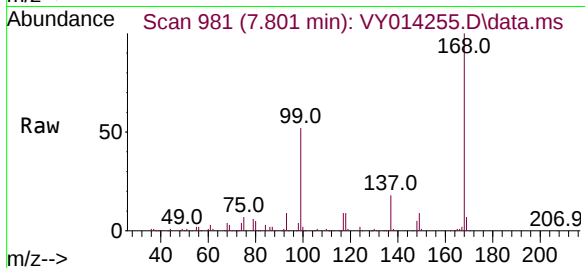
Tgt Ion: 75 Resp: 14022

Ion Ratio Lower Upper

75 100

110 9.6 17.8 53.5#

77 0.2 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.884 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.103 min

Lab File: VY014255.D

Acq: 20 Jun 2023 03:05

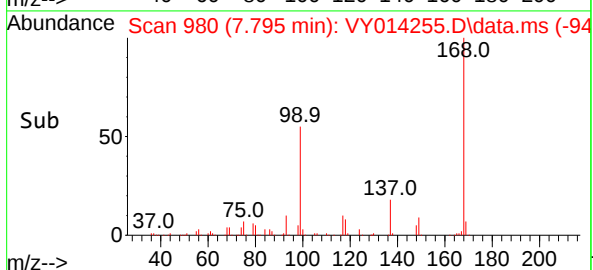
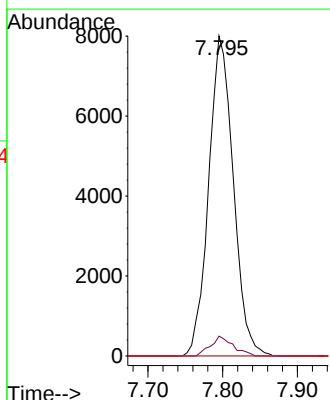
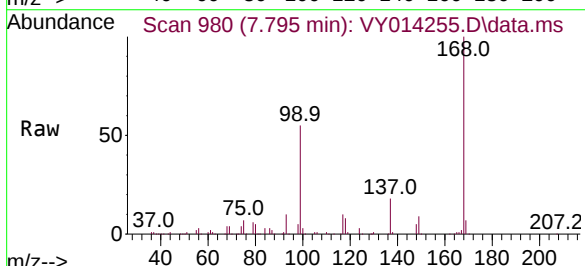
Tgt Ion: 117 Resp: 18356

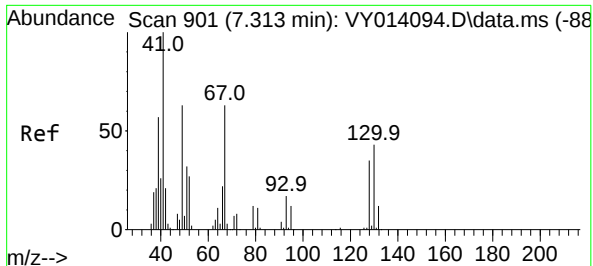
Ion Ratio Lower Upper

117 100

119 6.2 76.4 114.6#

121 0.0 25.8 38.6#

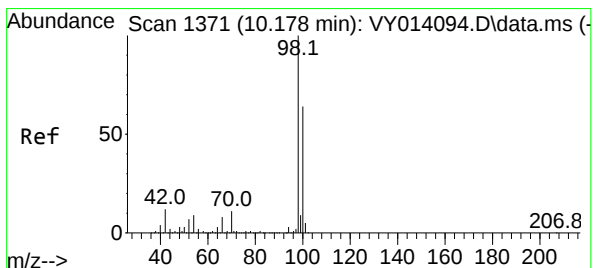
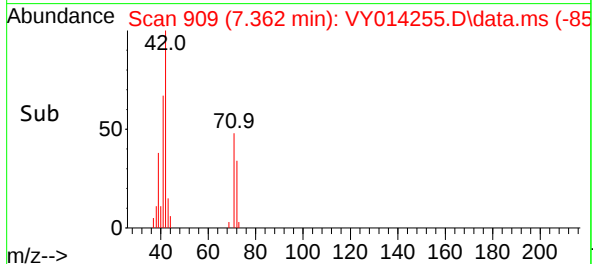
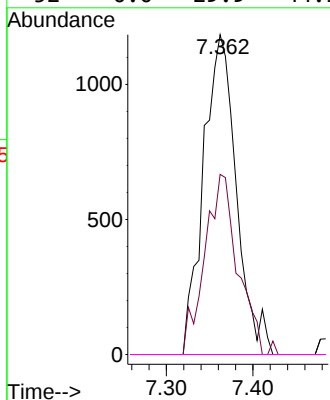
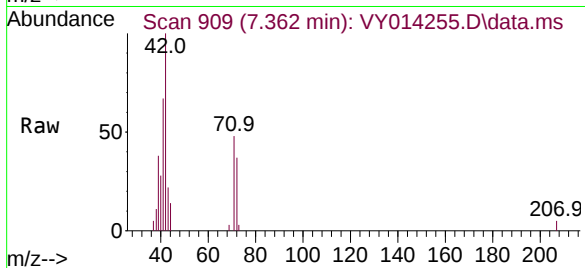




#41
Methacrylonitrile
Concen: 2.727 ug/l
RT: 7.362 min Scan# 901
Delta R.T. 0.049 min
Lab File: VY014255.D
Acq: 20 Jun 2023 03:05

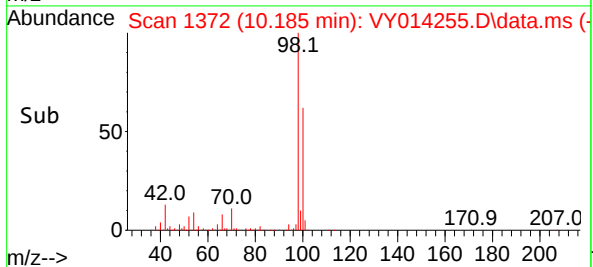
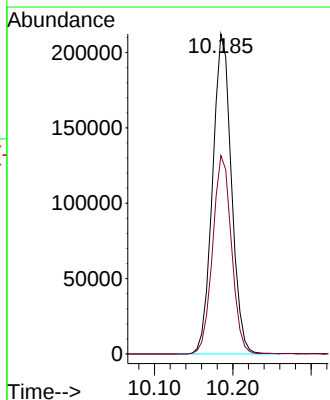
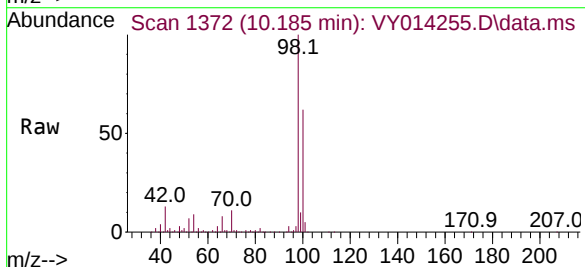
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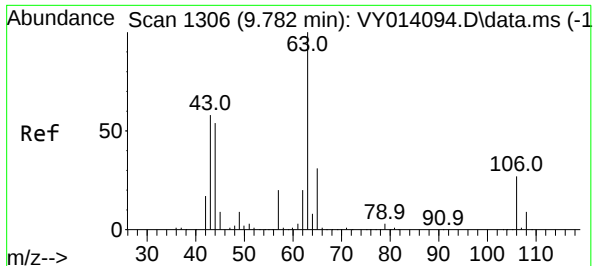
Tgt Ion: 41	Resp: 3127
Ion Ratio	Lower Upper
41 100	
39 56.3	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 45.442 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014255.D
Acq: 20 Jun 2023 03:05

Tgt Ion: 98	Resp: 354879
Ion Ratio	Lower Upper
98 100	
100 62.1	50.1 75.1

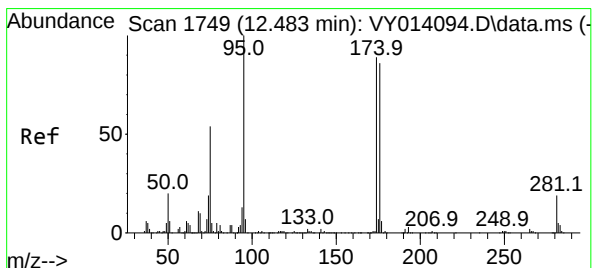
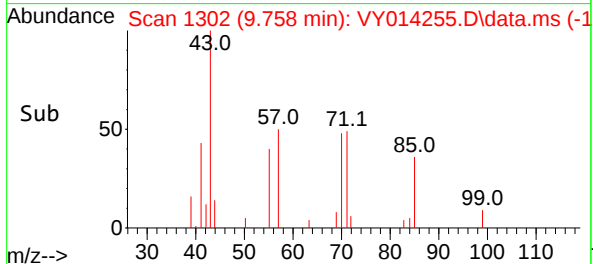
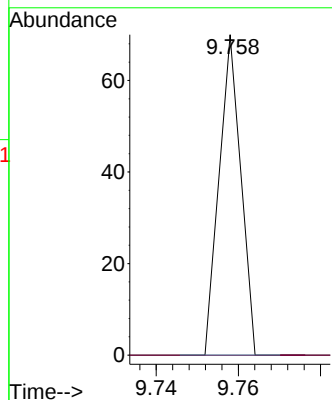
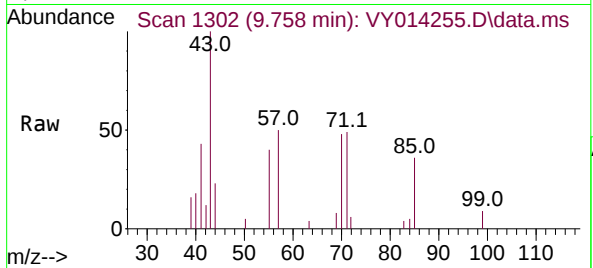




#58
2-Chloroethyl Vinyl ether
Concen: 28.638 ug/l
RT: 9.758 min Scan# 11
Delta R.T. -0.024 min
Lab File: VY014255.D
Acq: 20 Jun 2023 03:05

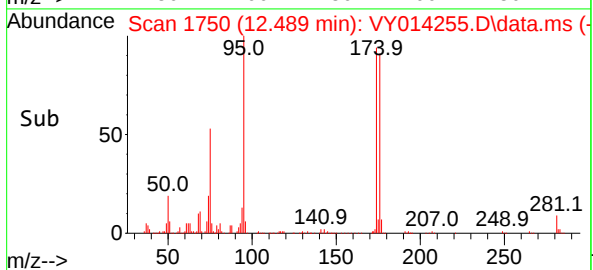
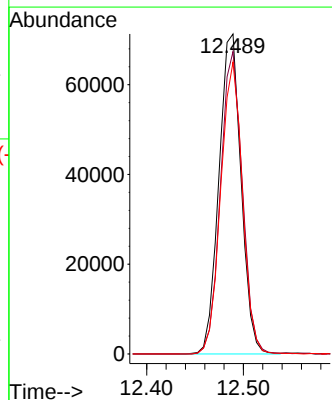
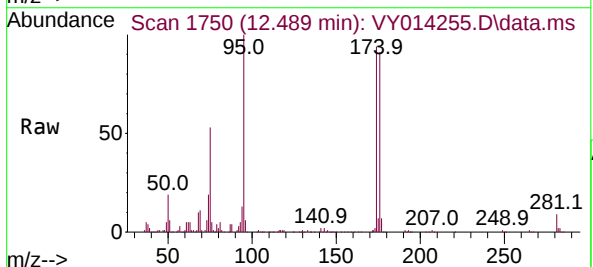
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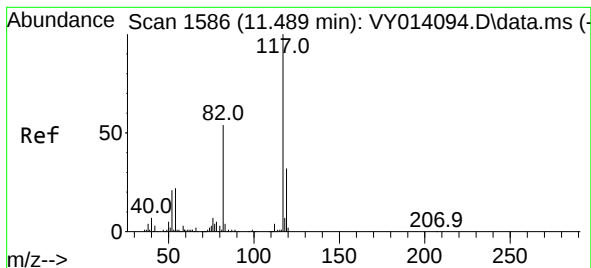
Tgt Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#62
4-Bromofluorobenzene
Concen: 40.796 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014255.D
Acq: 20 Jun 2023 03:05

Tgt Ion: 95 Resp: 113175
Ion Ratio Lower Upper
95 100
174 93.2 0.0 178.2
176 89.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014255.D

Acq: 20 Jun 2023 03:05

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-02-GRAB-6

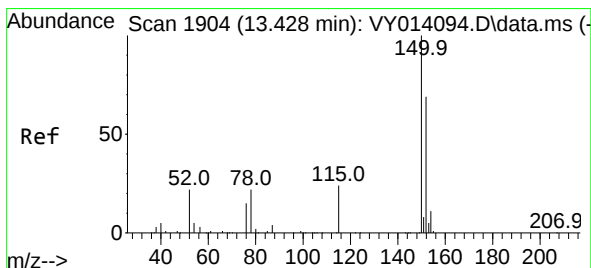
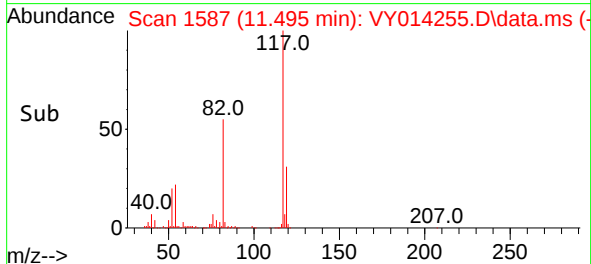
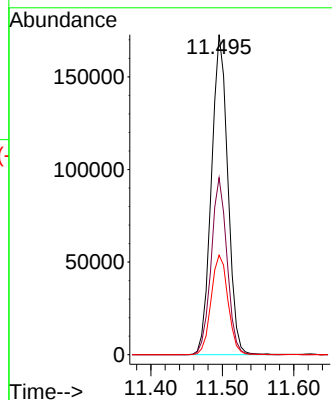
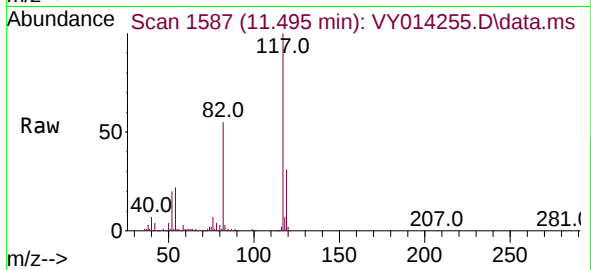
Tgt Ion:117 Resp: 274972

Ion Ratio Lower Upper

117 100

82 55.3 43.4 65.0

119 31.1 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: VY014255.D

Acq: 20 Jun 2023 03:05

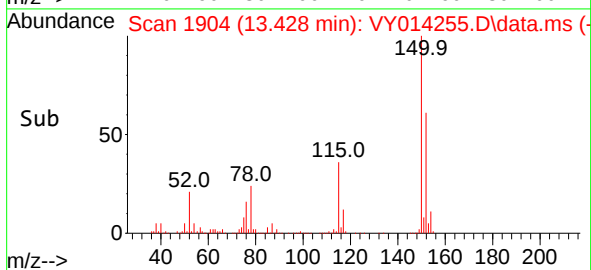
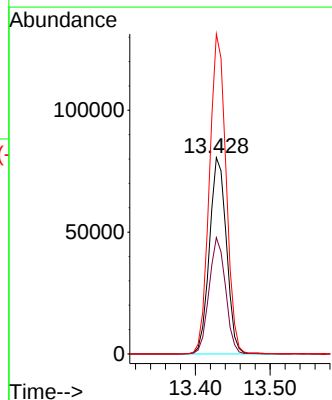
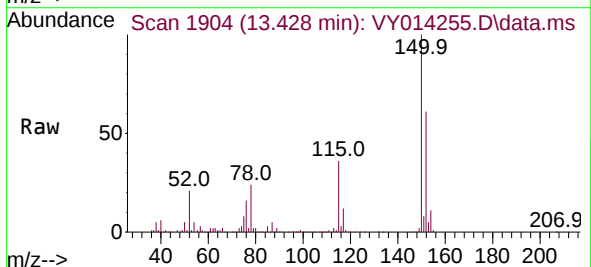
Tgt Ion:152 Resp: 127012

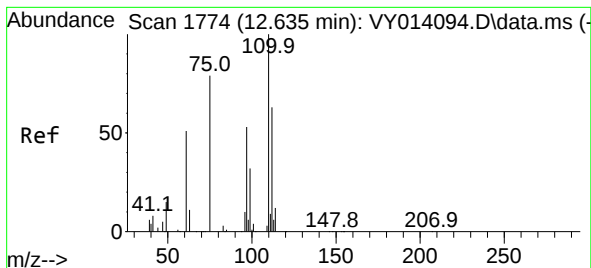
Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 160.2 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 36.802 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014255.D

Acq: 20 Jun 2023 03:05

Instrument :

MSVOA_Y

ClientSampleId :

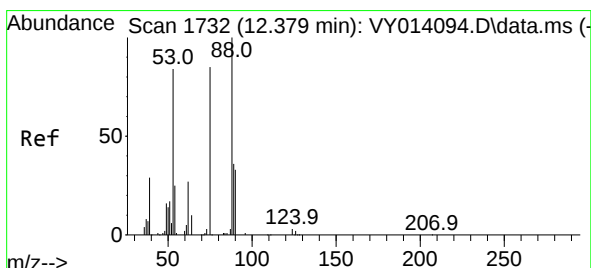
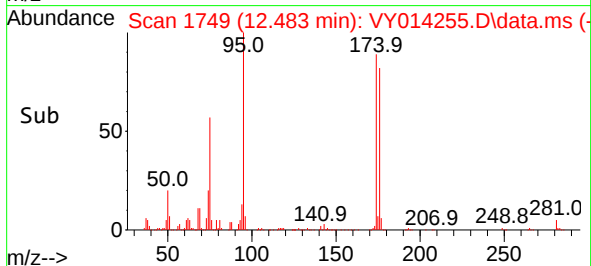
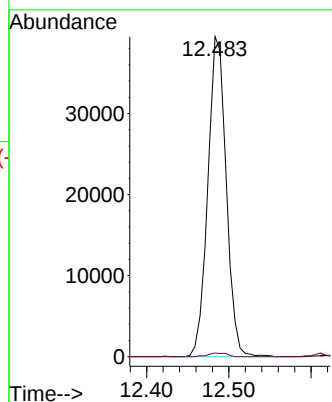
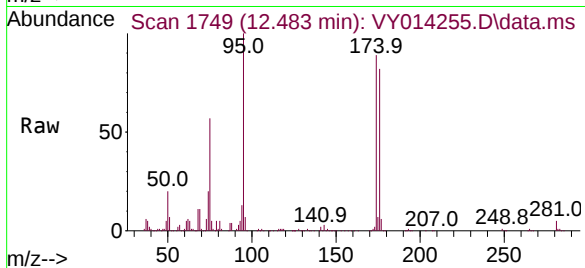
TOTAL-VOC-TW-02-GRAB-6

Tgt Ion: 75 Resp: 61325

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.551 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY014255.D

Acq: 20 Jun 2023 03:05

Tgt Ion: 75 Resp: 61325

Ion Ratio Lower Upper

75 100

53 0.4 77.8 116.8#

89 0.0 37.4 56.0#

