

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014257.D
 Acq On : 20 Jun 2023 03:52
 Operator : KP/MD
 Sample : 03327-17
 Misc : 4.28g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-06-GRAB-6

Quant Time: Jun 20 05:48:10 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)

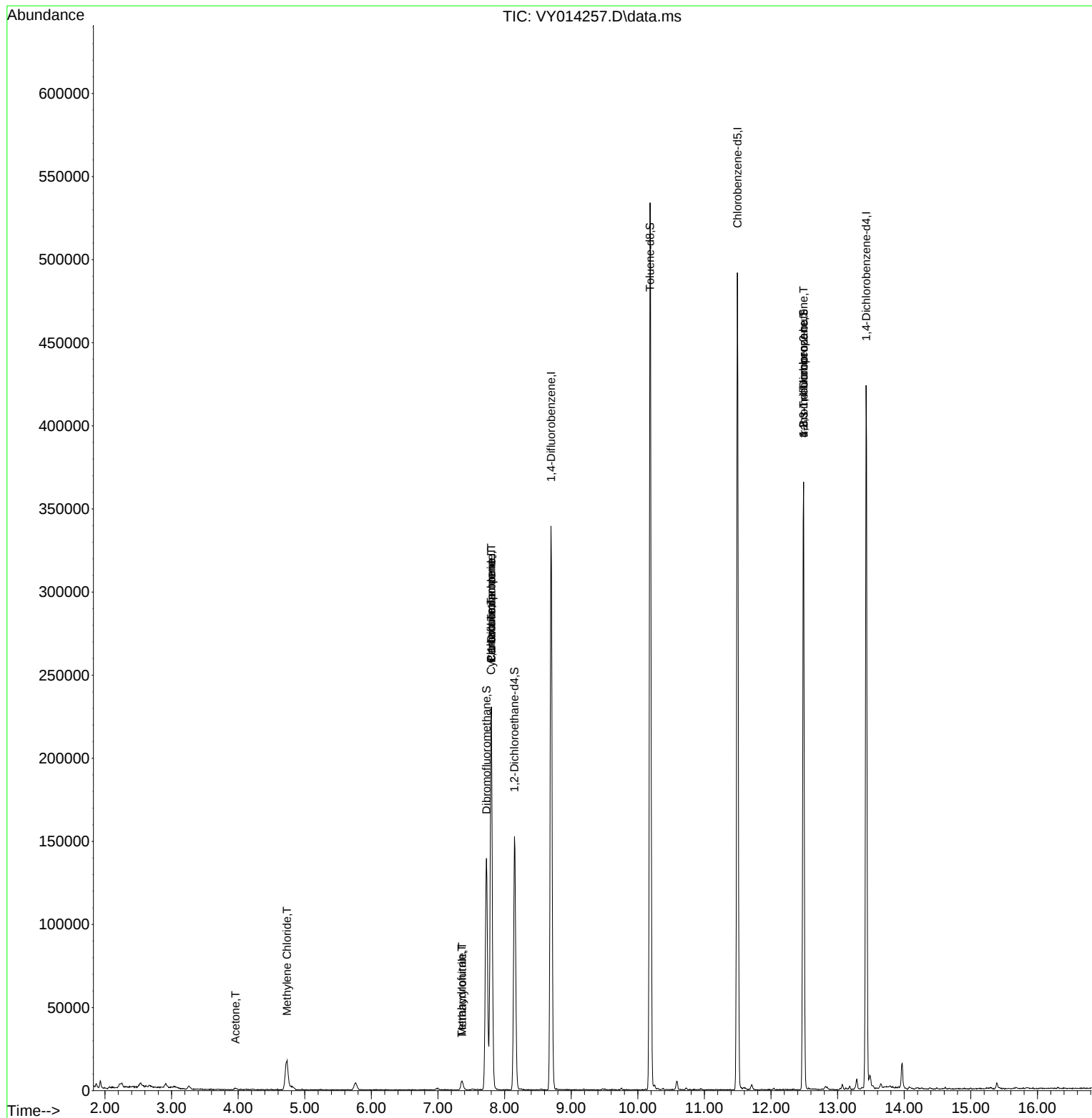
Internal Standards						
1) Pentafluorobenzene	7.801	168	177305	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	280602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	258172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	124963	50.613	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.220%	
35) Dibromofluoromethane	7.728	113	94243	47.359	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.720%	
50) Toluene-d8	10.185	98	339653	45.654	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.300%	
62) 4-Bromofluorobenzene	12.489	95	101016	38.223	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.440%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	140	Below Cal	#	89
13) Acrolein	3.723	56	44	Below Cal	#	1
16) Acetone	3.960	43	1845	2.479	ug/l	96
20) Methylene Chloride	4.735	84	12689	1.891	ug/l	94
29) Tetrahydrofuran	7.356	42	4057	6.984	ug/l	94
31) Cyclohexane	7.795	56	3774	1.141	ug/l #	17
36) 1,1-Dichloropropene	7.801	75	13598	4.383	ug/l #	50
38) Carbon Tetrachloride	7.801	117	17520	4.894	ug/l #	16
41) Methacrylonitrile	7.362	41	2771	2.536	ug/l #	43
76) 1,2,3-Trichloropropane	12.489	75	55502	38.637	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	55502	83.519	ug/l #	11

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
Data File : VY014257.D
Acq On : 20 Jun 2023 03:52
Operator : KP/MD
Sample : 03327-17
Misc : 4.28g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-06-GRAB-6

Quant Time: Jun 20 05:48:10 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

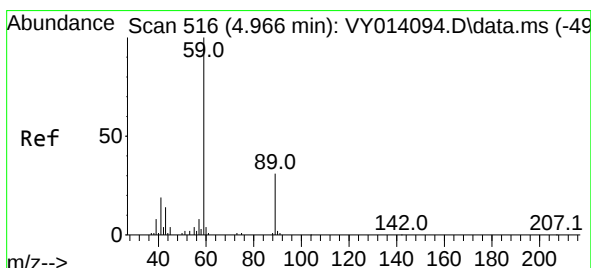
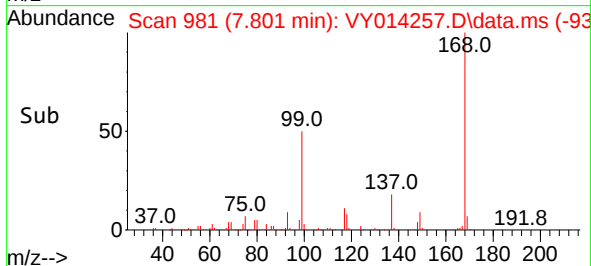
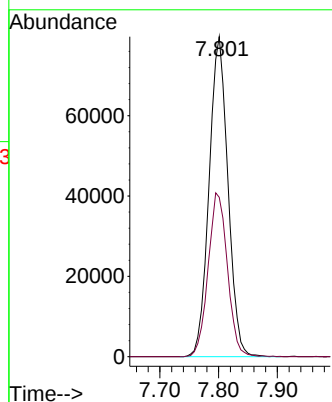
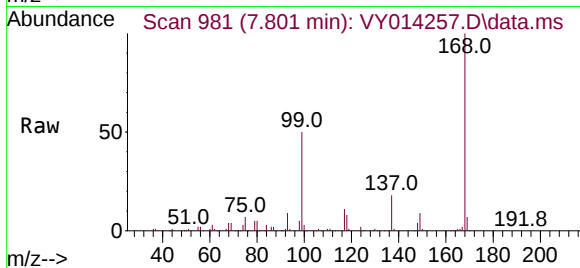




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014257.D
Acq: 20 Jun 2023 03:52

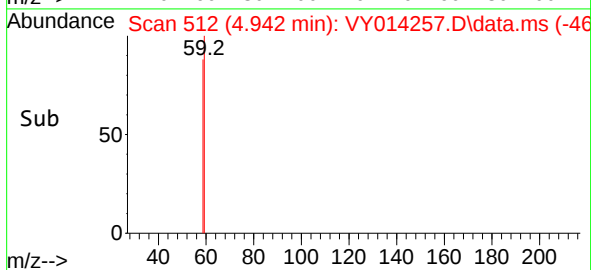
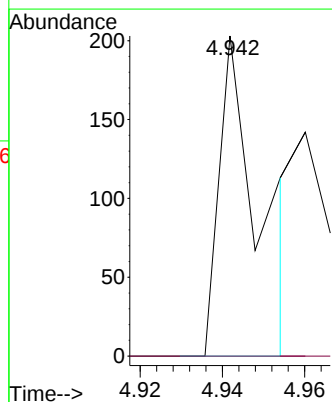
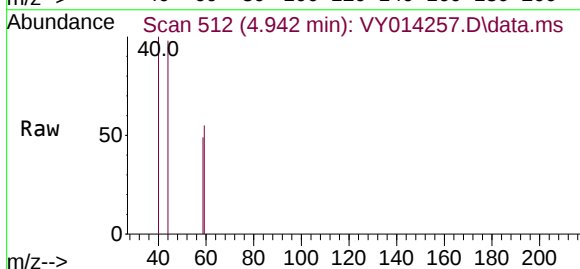
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-06-GRAB-6

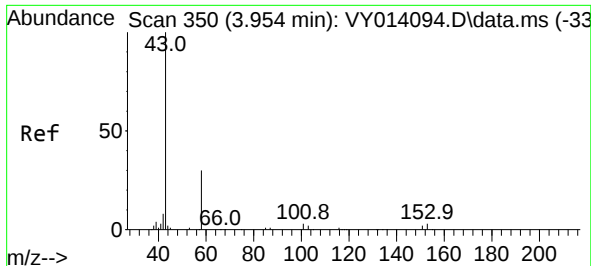
Tgt Ion:168 Resp: 177305
Ion Ratio Lower Upper
168 100
99 49.8 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.024 min
Lab File: VY014257.D
Acq: 20 Jun 2023 03:52

Tgt Ion: 59 Resp: 140
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

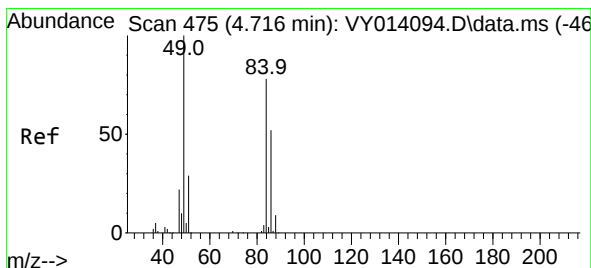
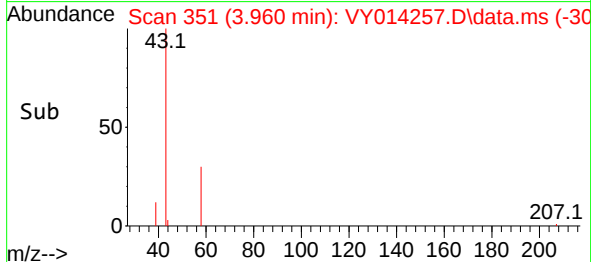
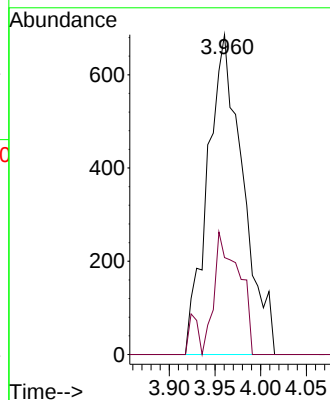
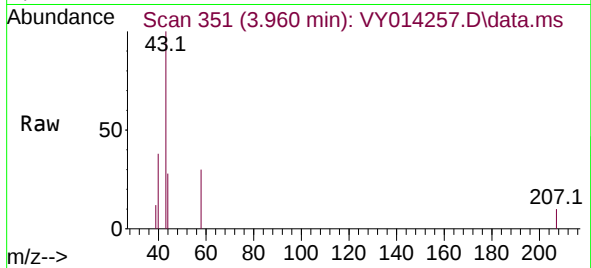




#16
Acetone
Concen: 2.479 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY014257.D
Acq: 20 Jun 2023 03:52

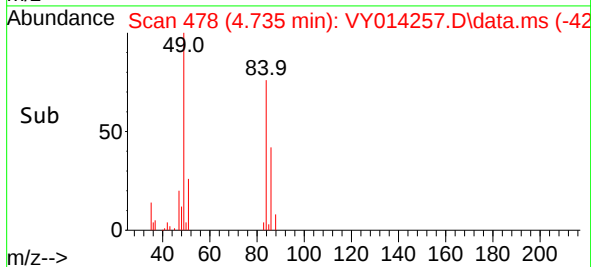
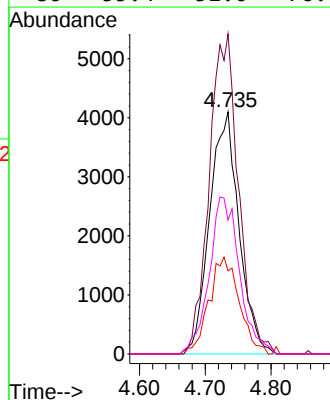
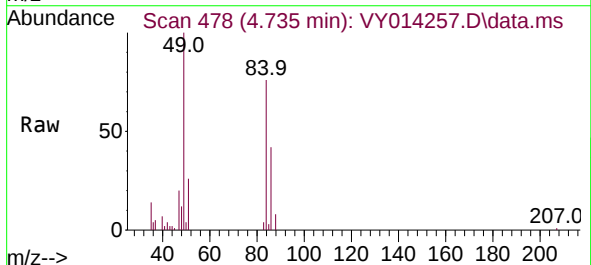
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-06-GRAB-6

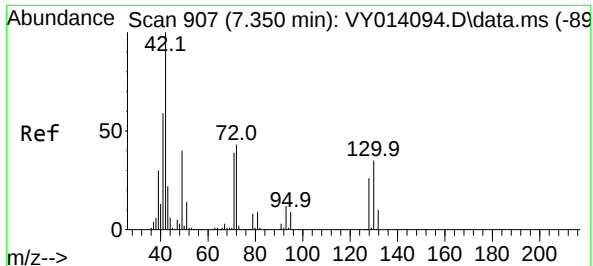
Tgt Ion: 43 Resp: 1845
Ion Ratio Lower Upper
43 100
58 30.3 22.7 34.1



#20
Methylene Chloride
Concen: 1.891 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.019 min
Lab File: VY014257.D
Acq: 20 Jun 2023 03:52

Tgt Ion: 84 Resp: 12689
Ion Ratio Lower Upper
84 100
49 132.2 106.9 160.3
51 34.4 33.2 49.8
86 55.4 51.0 76.6





#29

Tetrahydrofuran

Concen: 6.984 ug/l

RT: 7.356 min Scan# 90

Delta R.T. 0.006 min

Lab File: VY014257.D

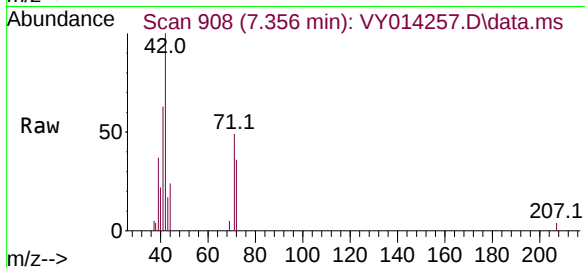
Acq: 20 Jun 2023 03:52

Instrument :

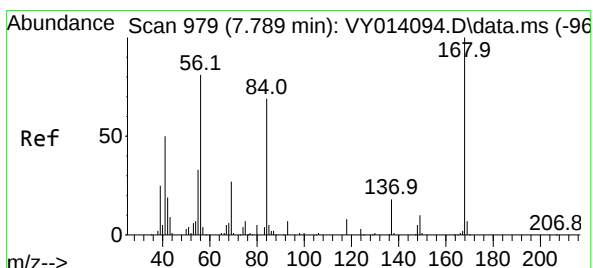
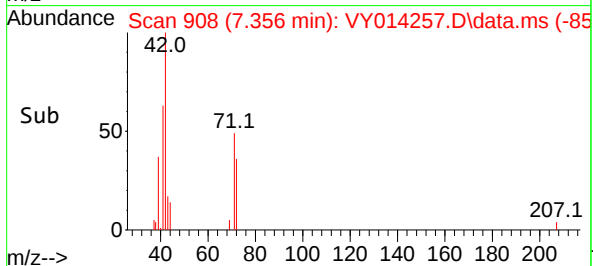
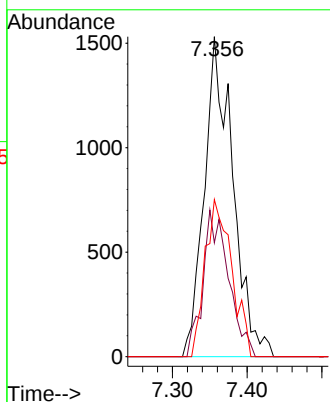
MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-06-GRAB-6



Tgt Ion:	42	Resp:	4057
Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.8	49.2
71	45.7	31.0	46.4



#31

Cyclohexane

Concen: 1.141 ug/l

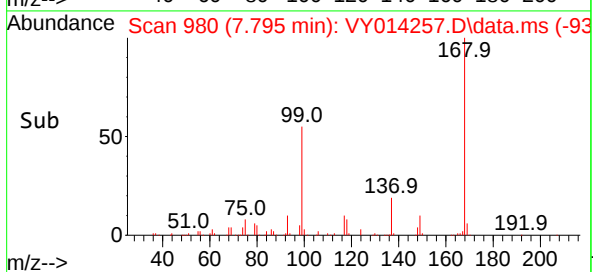
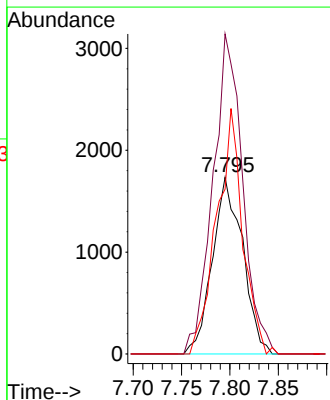
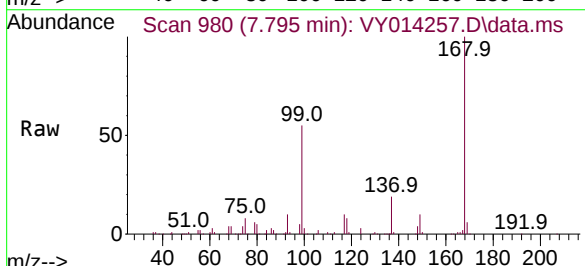
RT: 7.795 min Scan# 980

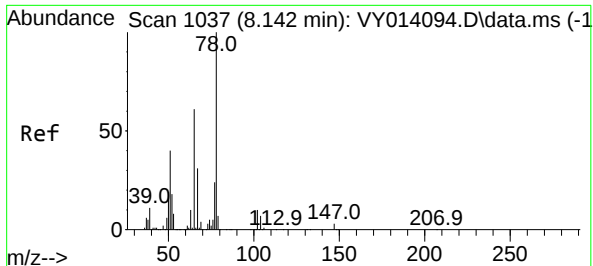
Delta R.T. 0.006 min

Lab File: VY014257.D

Acq: 20 Jun 2023 03:52

Tgt Ion:	56	Resp:	3774
Ion	Ratio	Lower	Upper
56	100		
69	181.1	27.8	41.6#
84	93.3	66.4	99.6





#33

1,2-Dichloroethane-d4

Concen: 50.613 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY014257.D

Acq: 20 Jun 2023 03:52

Instrument :

MSVOA_Y

ClientSampleId :

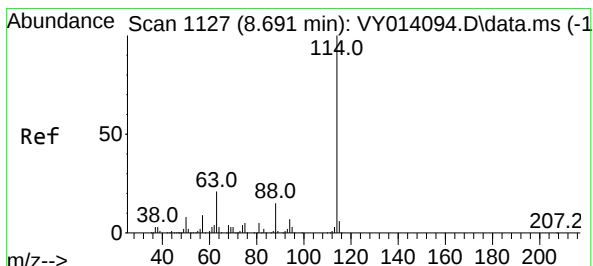
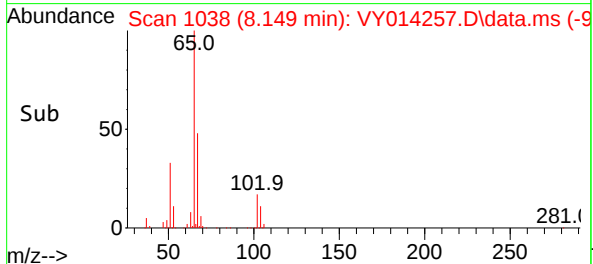
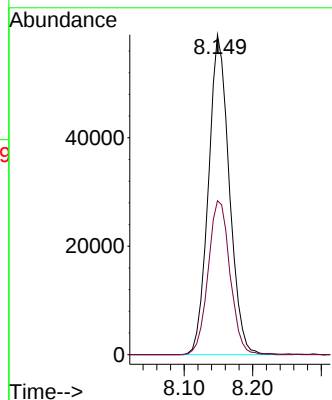
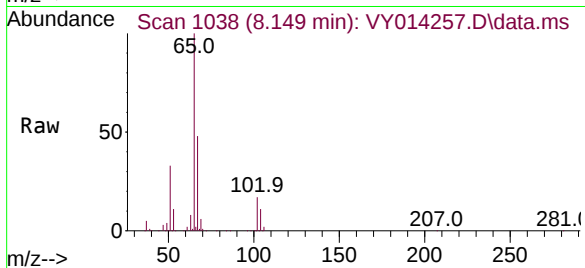
TOTAL-VOC-TW-06-GRAB-6

Tgt Ion: 65 Resp: 124963

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY014257.D

Acq: 20 Jun 2023 03:52

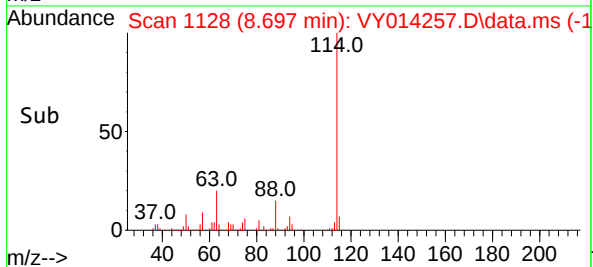
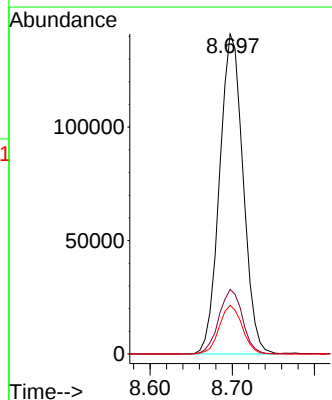
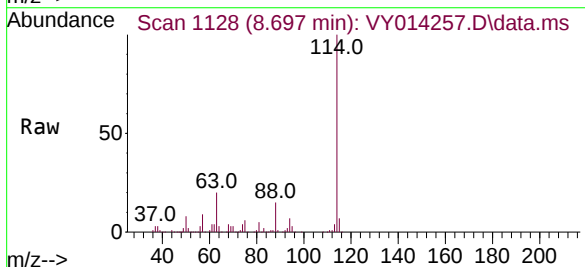
Tgt Ion: 114 Resp: 280602

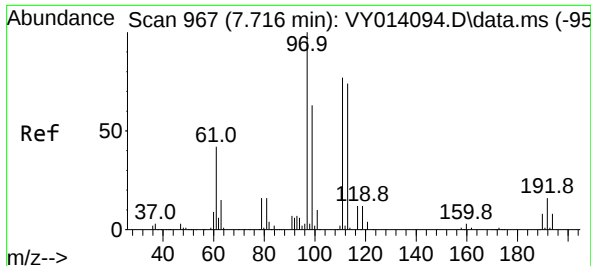
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

88 15.2 0.0 30.6

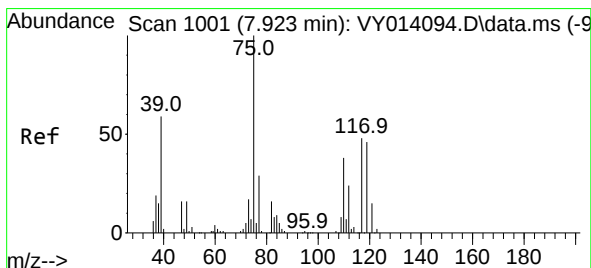
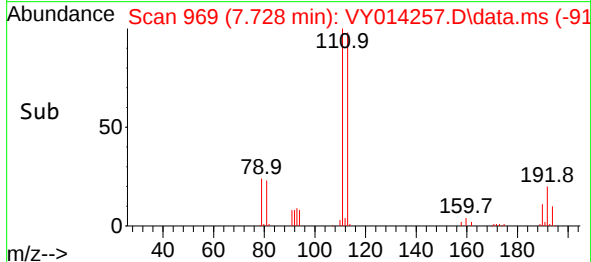
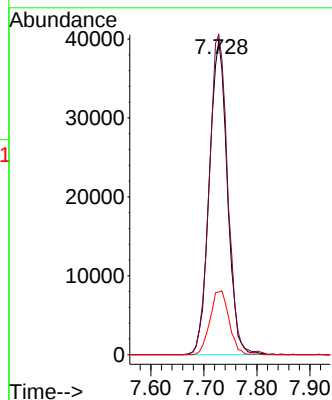
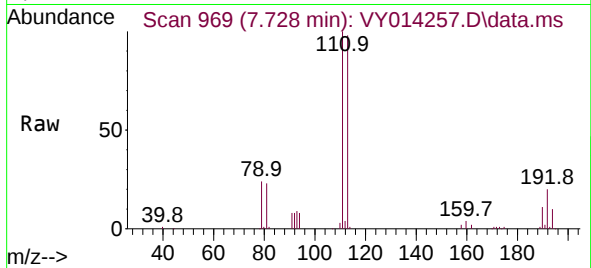




#35
Dibromofluoromethane
Concen: 47.359 ug/l
RT: 7.728 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014257.D
Acq: 20 Jun 2023 03:52

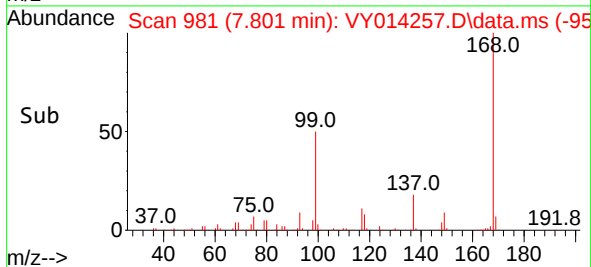
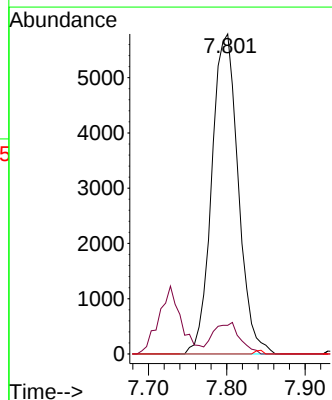
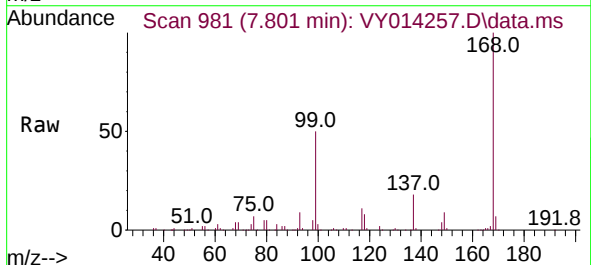
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-06-GRAB-6

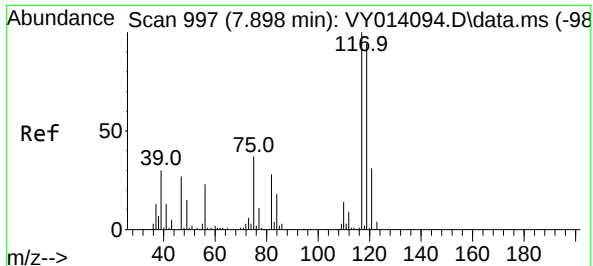
Tgt Ion:113 Resp: 94243
Ion Ratio Lower Upper
113 100
111 103.8 81.3 121.9
192 21.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.383 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY014257.D
Acq: 20 Jun 2023 03:52

Tgt Ion: 75 Resp: 13598
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#

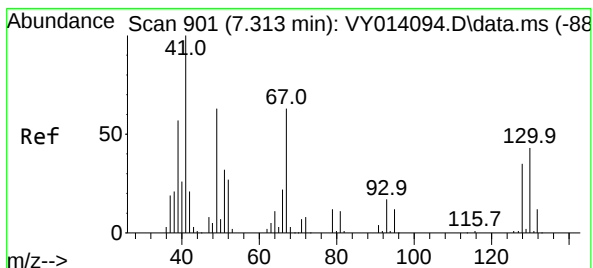
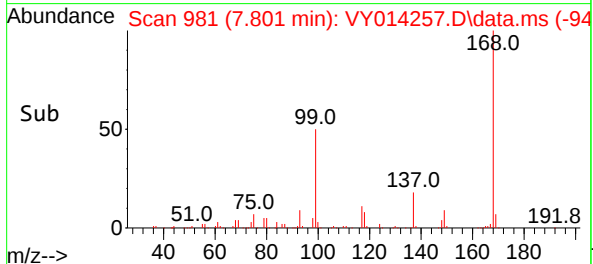
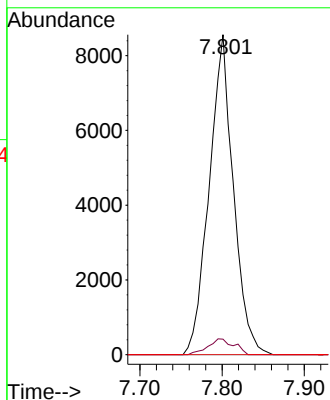
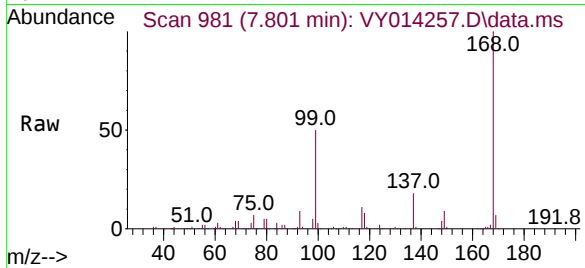




#38
Carbon Tetrachloride
Concen: 4.894 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY014257.D
Acq: 20 Jun 2023 03:52

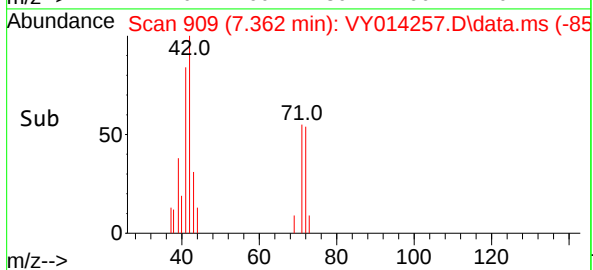
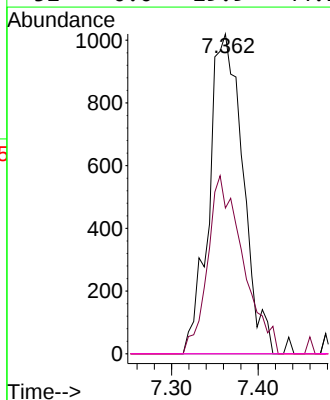
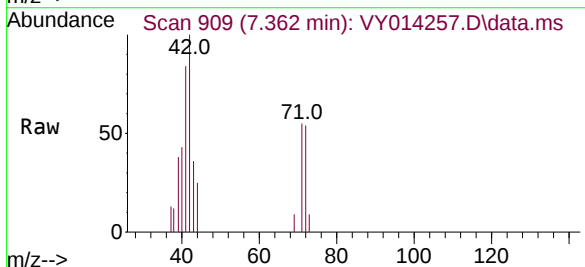
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-06-GRAB-6

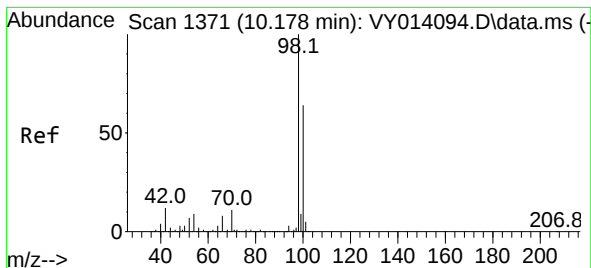
Tgt Ion:117 Resp: 17520
Ion Ratio Lower Upper
117 100
119 4.8 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 2.536 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.049 min
Lab File: VY014257.D
Acq: 20 Jun 2023 03:52

Tgt Ion: 41 Resp: 2771
Ion Ratio Lower Upper
41 100
39 58.0 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#





#50

Toluene-d8

Concen: 45.654 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY014257.D

Acq: 20 Jun 2023 03:52

Instrument :

MSVOA_Y

ClientSampleId :

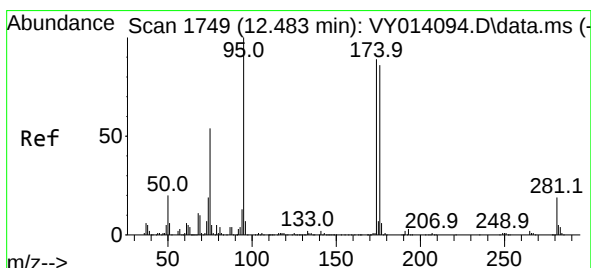
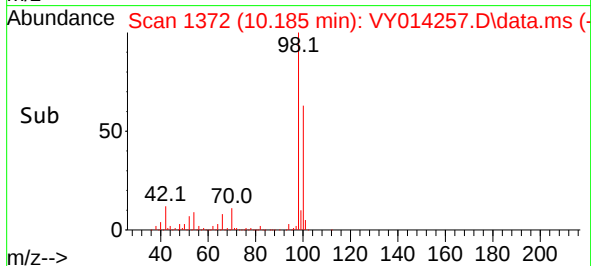
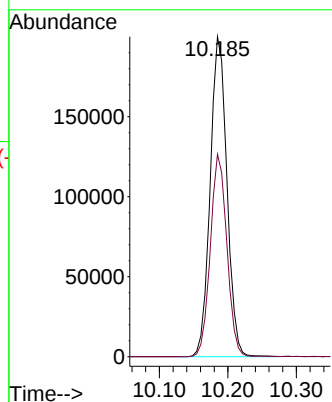
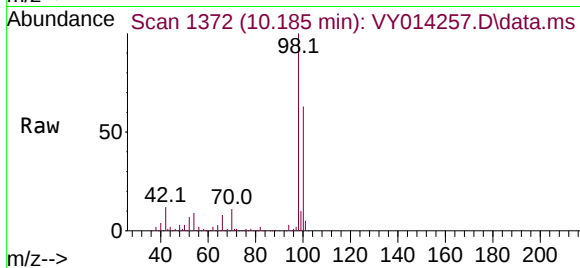
TOTAL-VOC-TW-06-GRAB-6

Tgt Ion: 98 Resp: 339653

Ion Ratio Lower Upper

98 100

100 62.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 38.223 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY014257.D

Acq: 20 Jun 2023 03:52

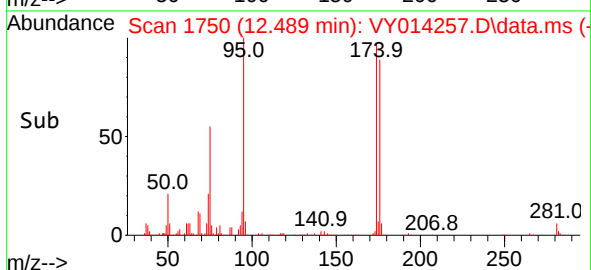
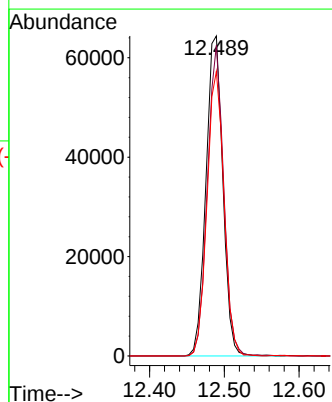
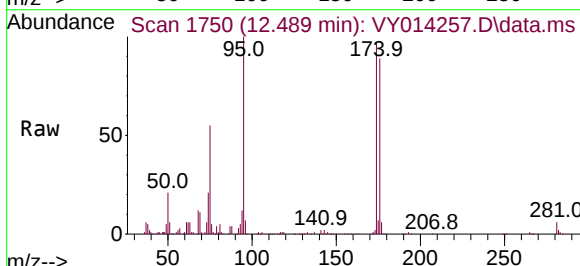
Tgt Ion: 95 Resp: 101016

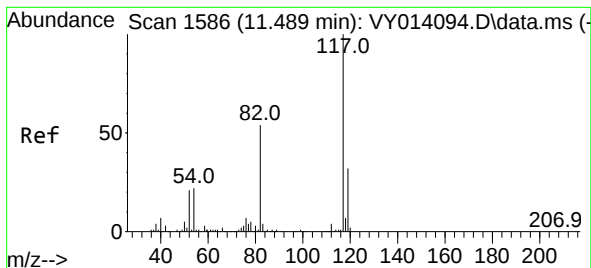
Ion Ratio Lower Upper

95 100

174 94.0 0.0 178.2

176 89.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014257.D

Acq: 20 Jun 2023 03:52

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-06-GRAB-6

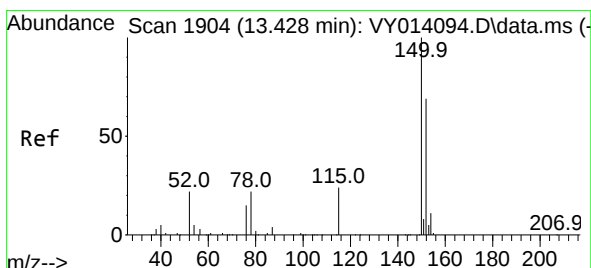
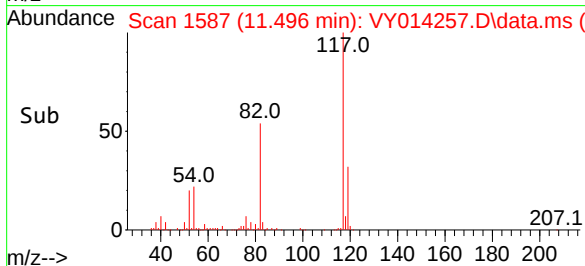
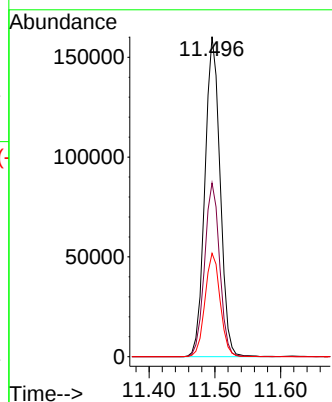
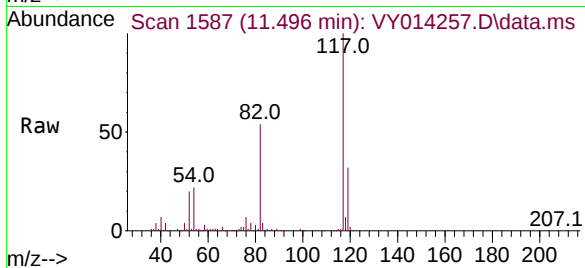
Tgt Ion:117 Resp: 258172

Ion Ratio Lower Upper

117 100

82 54.3 43.4 65.0

119 32.3 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: VY014257.D

Acq: 20 Jun 2023 03:52

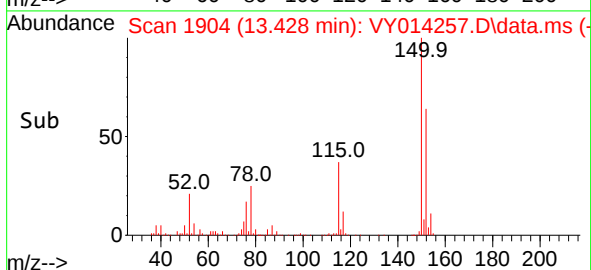
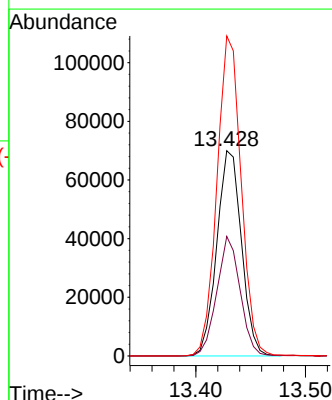
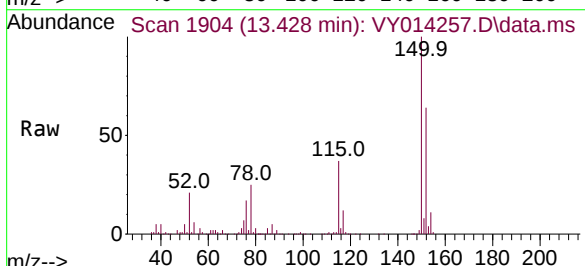
Tgt Ion:152 Resp: 109490

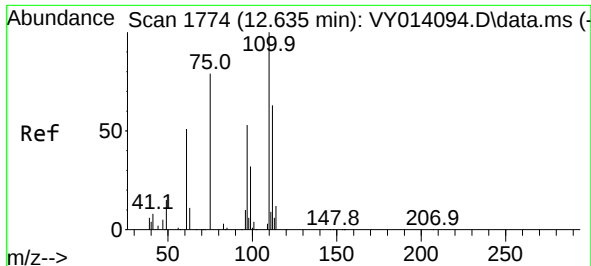
Ion Ratio Lower Upper

152 100

115 55.1 28.8 86.5

150 153.3 0.0 348.8

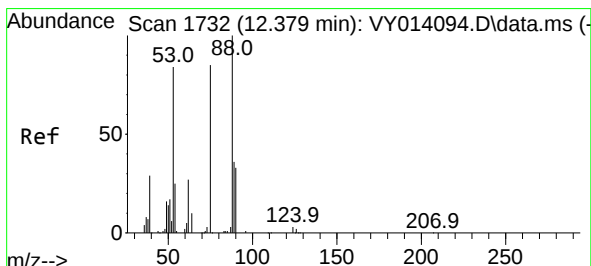
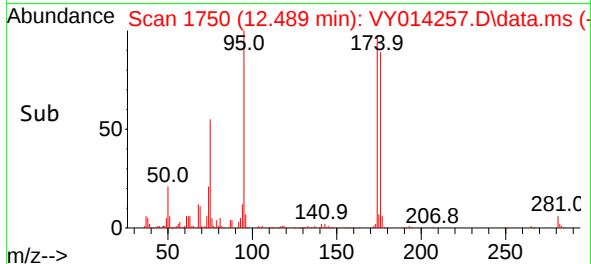
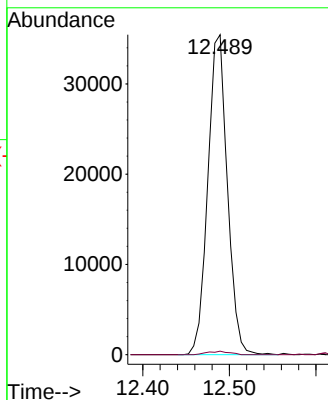
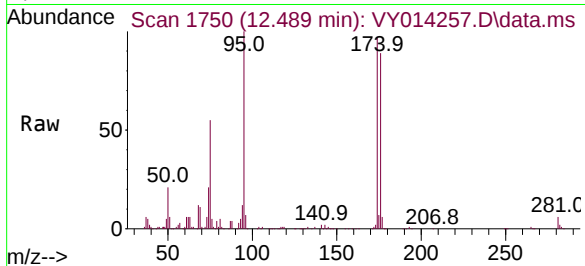




#76
1,2,3-Trichloropropane
Concen: 38.637 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014257.D
Acq: 20 Jun 2023 03:52

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-06-GRAB-6

Tgt Ion: 75 Resp: 55502
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.519 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY014257.D
Acq: 20 Jun 2023 03:52

Tgt Ion: 75 Resp: 55502
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#

