

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014256.D
 Acq On : 20 Jun 2023 03:28
 Operator : KP/MD
 Sample : 03327-12
 Misc : 6.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-02-GRAB-7

Quant Time: Jun 20 05:47:50 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)

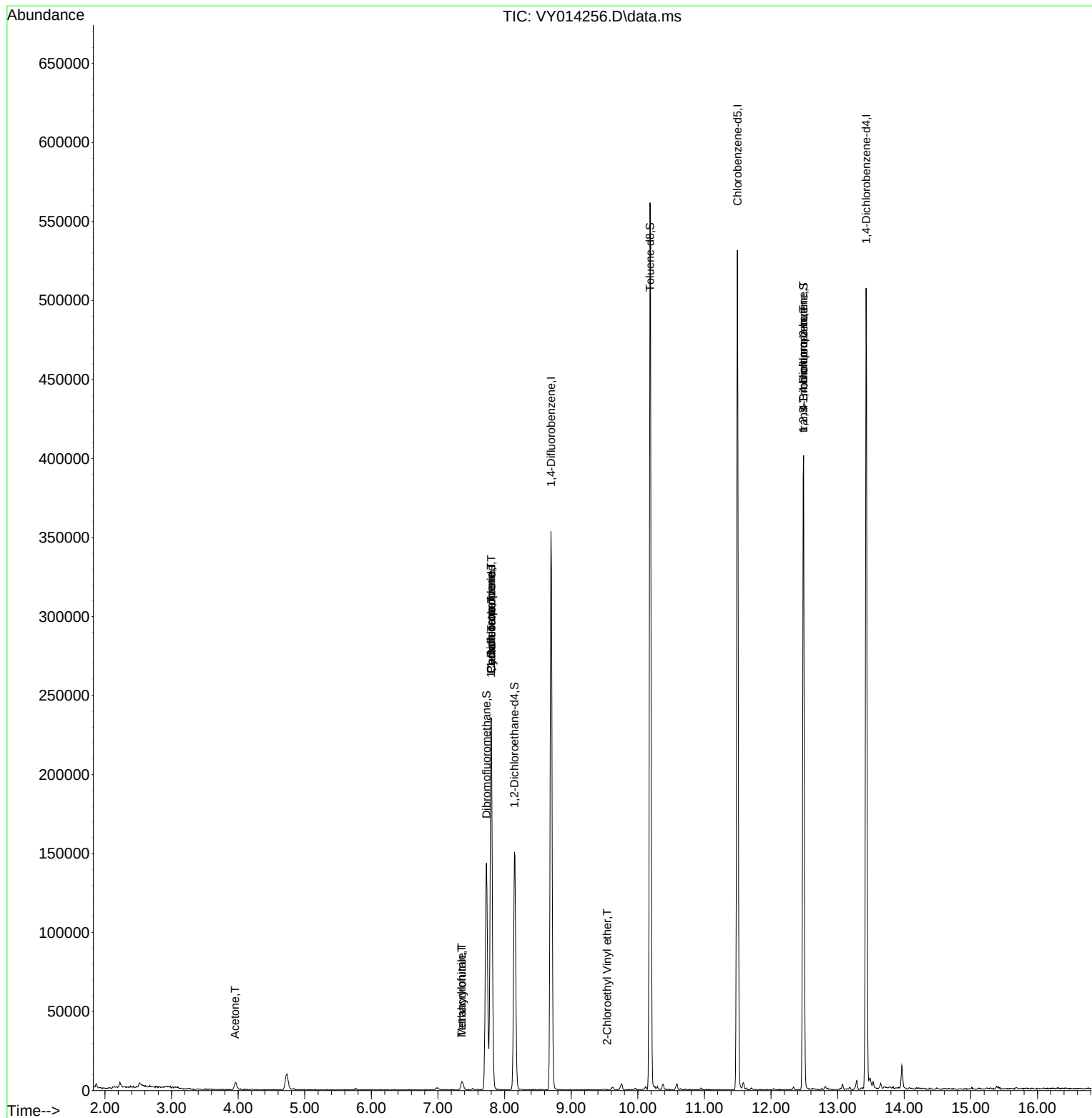
Internal Standards						
1) Pentafluorobenzene	7.801	168	183179	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	292885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	275185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	127354	49.927	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.860%
35) Dibromofluoromethane	7.728	113	97368	46.877	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.760%
50) Toluene-d8	10.185	98	350947	45.194	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.380%
62) 4-Bromofluorobenzene	12.489	95	112028	40.612	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.220%
Target Compounds						
11) Tert butyl alcohol	4.960	59	311	Below Cal	#	89
16) Acetone	3.954	43	8296	10.790	ug/l	100
20) Methylene Chloride	4.728	84	7503	Below Cal		86
29) Tetrahydrofuran	7.356	42	4271	7.116	ug/l	96
31) Cyclohexane	7.801	56	4257	1.246	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	13511	4.172	ug/l #	50
38) Carbon Tetrachloride	7.801	117	18250	4.884	ug/l #	16
41) Methacrylonitrile	7.356	41	2639	2.314	ug/l #	46
58) 2-Chloroethyl Vinyl ether	9.538	63	25	28.637	ug/l #	48
76) 1,2,3-Trichloropropane	12.483	75	60773	35.718	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	60773	77.209	ug/l #	11

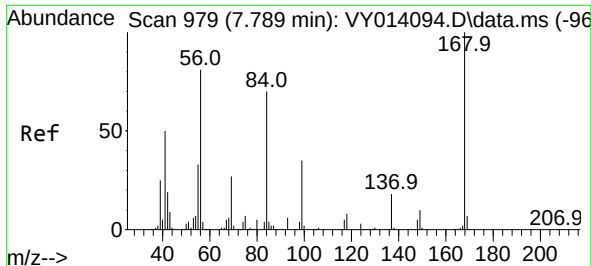
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
Data File : VY014256.D
Acq On : 20 Jun 2023 03:28
Operator : KP/MD
Sample : 03327-12
Misc : 6.80g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-02-GRAB-7

Quant Time: Jun 20 05:47:50 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

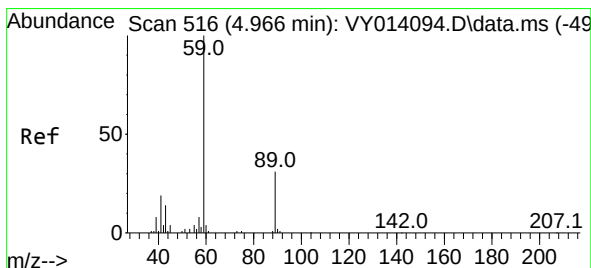
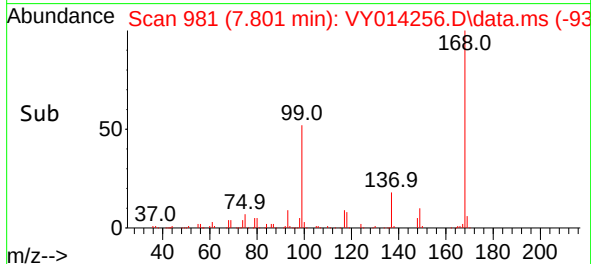
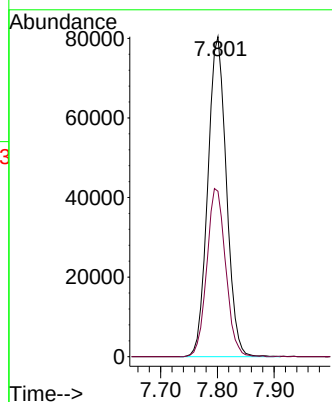
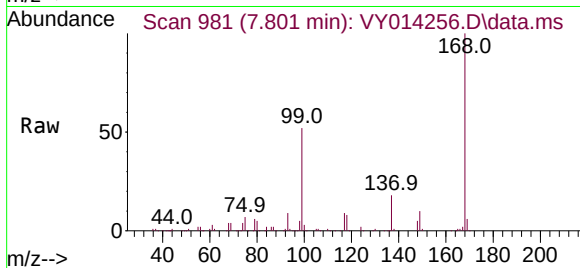




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014256.D
Acq: 20 Jun 2023 03:28

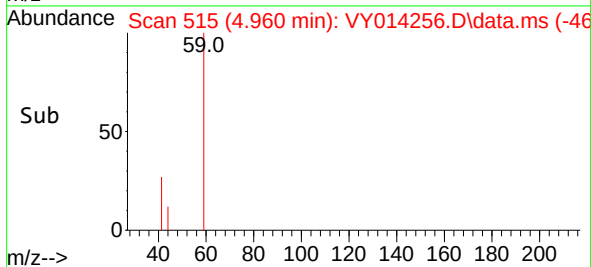
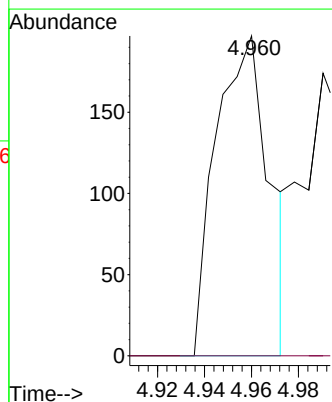
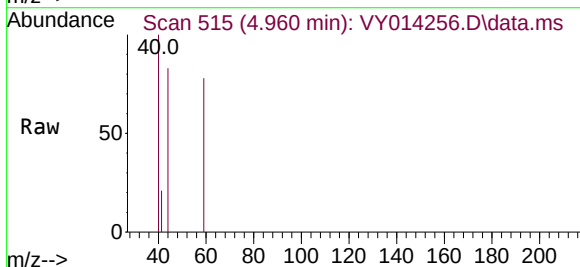
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-02-GRAB-7

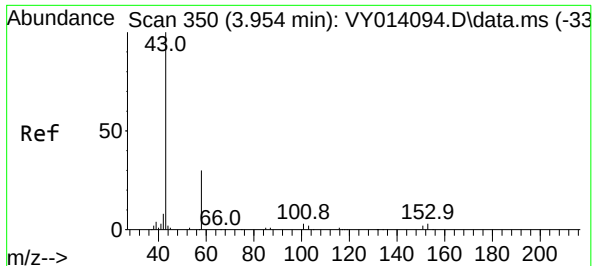
Tgt Ion:168 Resp: 183179
Ion Ratio Lower Upper
168 100
99 51.7 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY014256.D
Acq: 20 Jun 2023 03:28

Tgt Ion: 59 Resp: 311
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

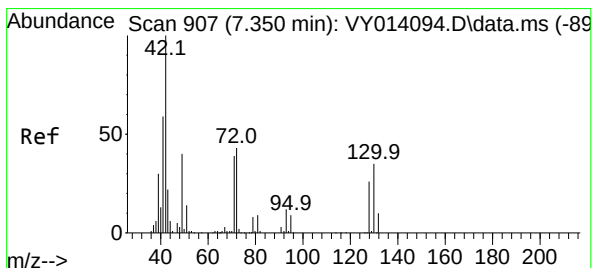
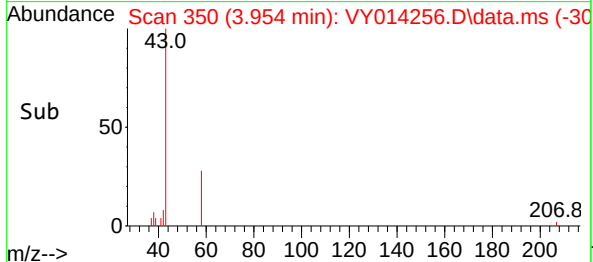
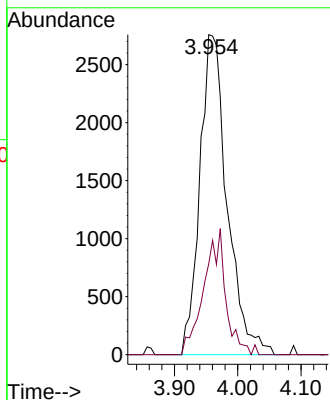
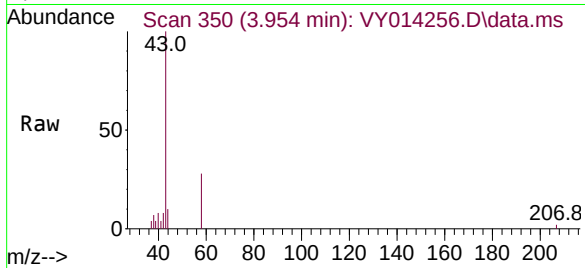




#16
Acetone
Concen: 10.790 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY014256.D
Acq: 20 Jun 2023 03:28

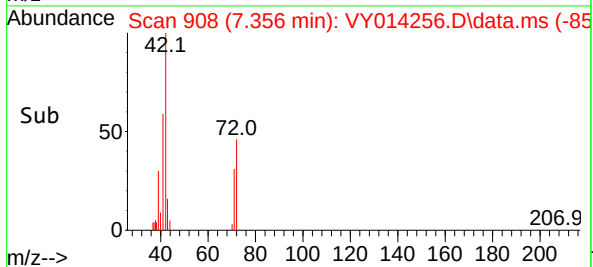
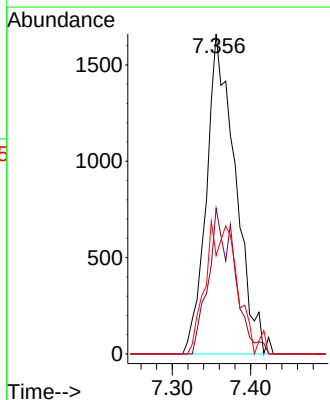
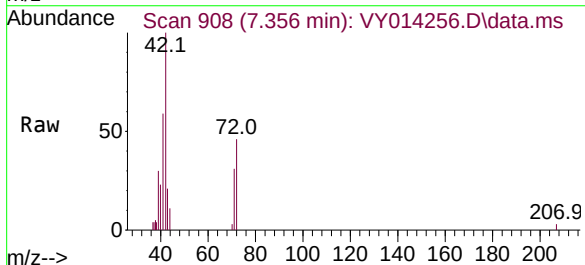
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-02-GRAB-7

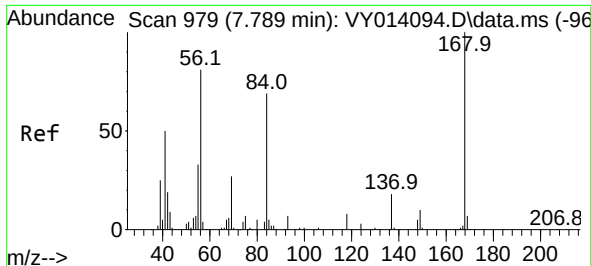
Tgt Ion: 43 Resp: 8296
Ion Ratio Lower Upper
43 100
58 28.5 22.7 34.1



#29
Tetrahydrofuran
Concen: 7.116 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY014256.D
Acq: 20 Jun 2023 03:28

Tgt Ion: 42 Resp: 4271
Ion Ratio Lower Upper
42 100
72 41.1 32.8 49.2
71 43.5 31.0 46.4

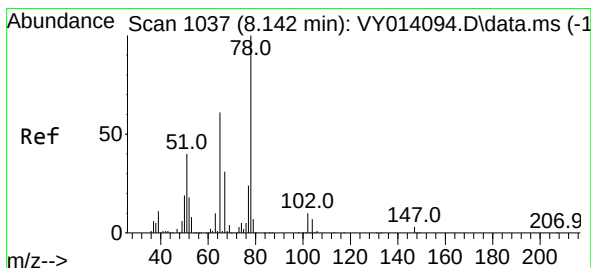
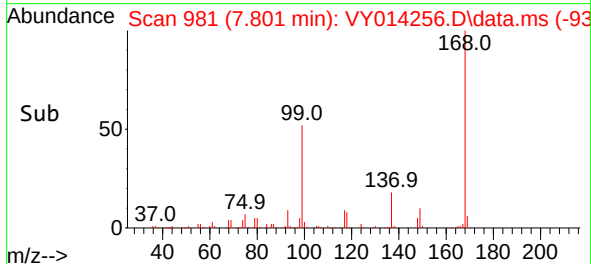
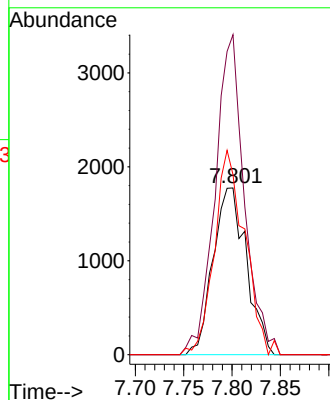
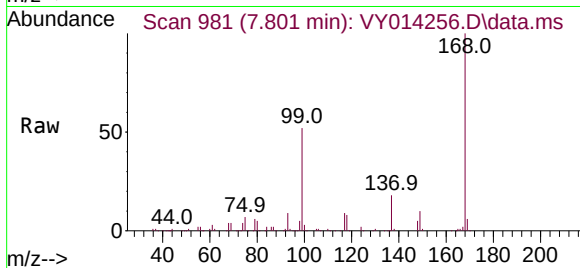




#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014256.D
Acq: 20 Jun 2023 03:28

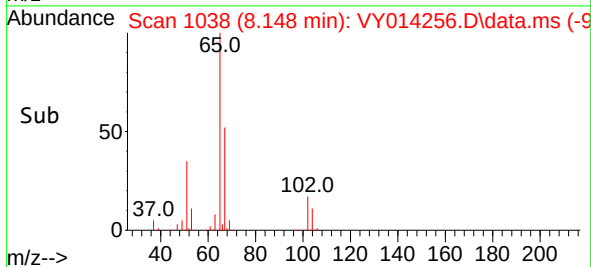
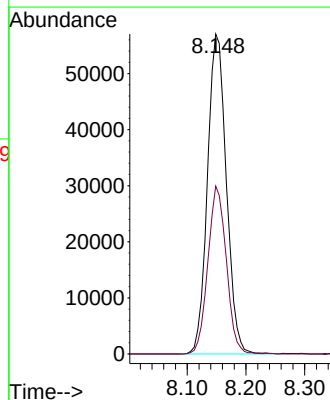
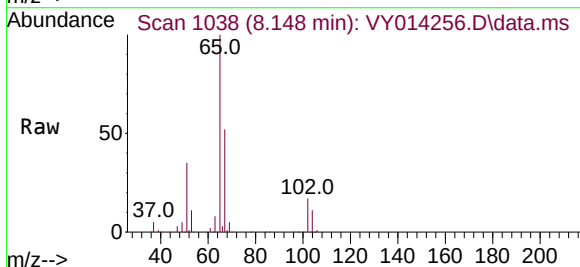
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-02-GRAB-7

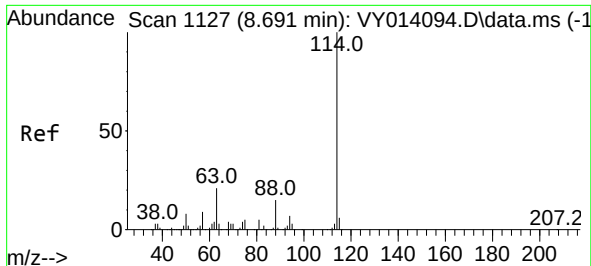
Tgt Ion: 56 Resp: 4257
Ion Ratio Lower Upper
56 100
69 191.8 27.8 41.6#
84 107.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.927 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY014256.D
Acq: 20 Jun 2023 03:28

Tgt Ion: 65 Resp: 127354
Ion Ratio Lower Upper
65 100
67 51.1 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: VY014256.D

Acq: 20 Jun 2023 03:28

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-02-GRAB-7

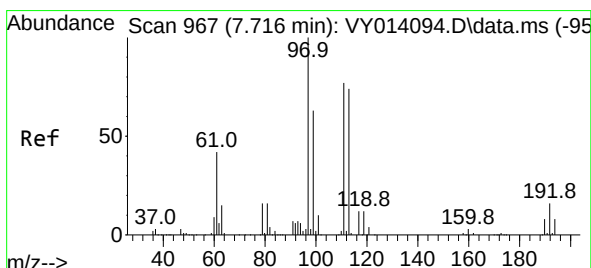
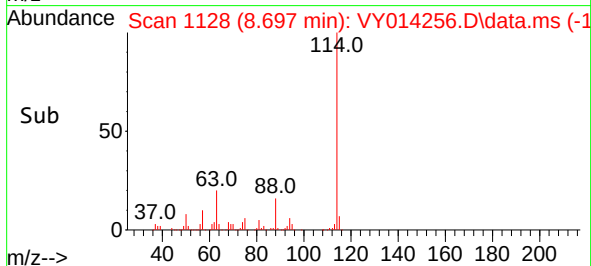
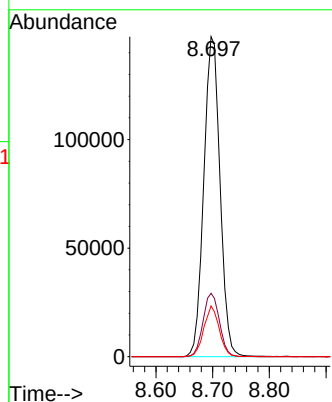
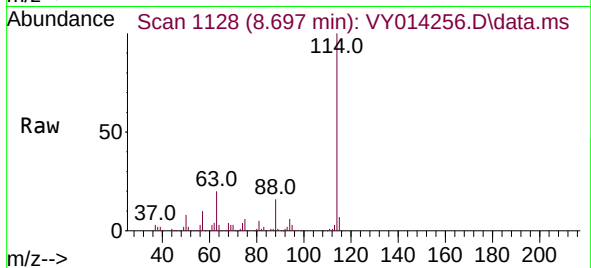
Tgt Ion:114 Resp: 292885

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.877 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014256.D

Acq: 20 Jun 2023 03:28

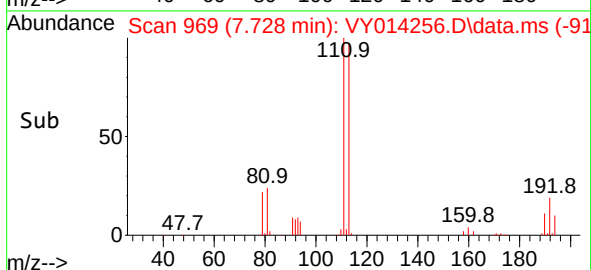
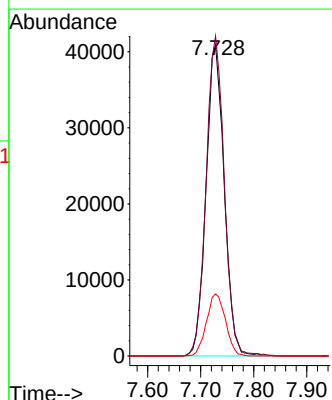
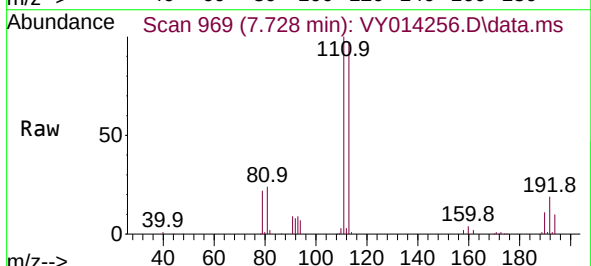
Tgt Ion:113 Resp: 97368

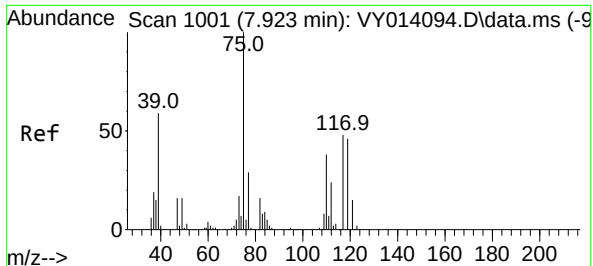
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 20.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.172 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY014256.D

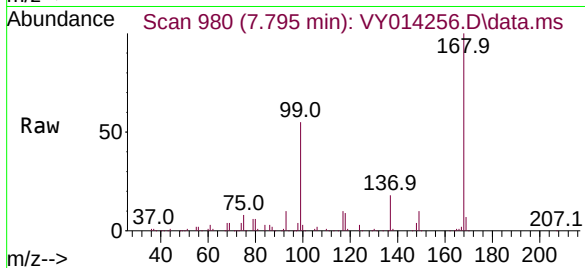
Acq: 20 Jun 2023 03:28

Instrument :

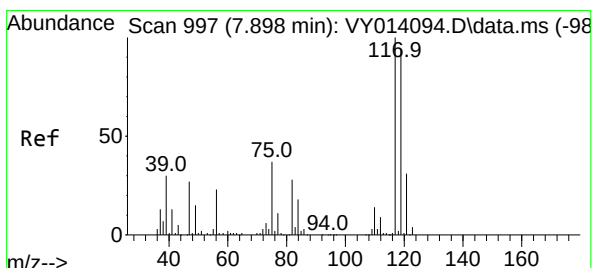
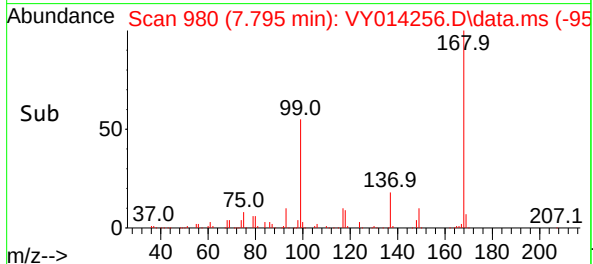
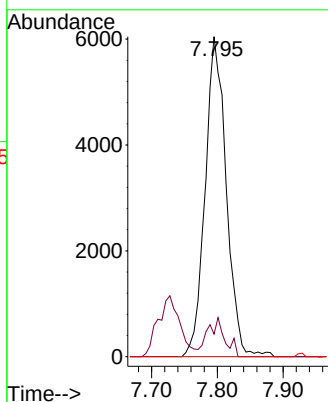
MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-02-GRAB-7



Tgt Ion: 75	Resp:	13511
Ion Ratio	Lower	Upper
75	100	
110	9.9	17.8 53.5#
77	0.0	24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.884 ug/l

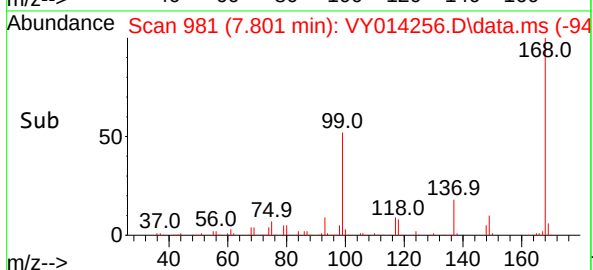
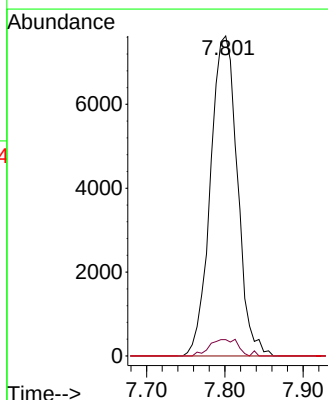
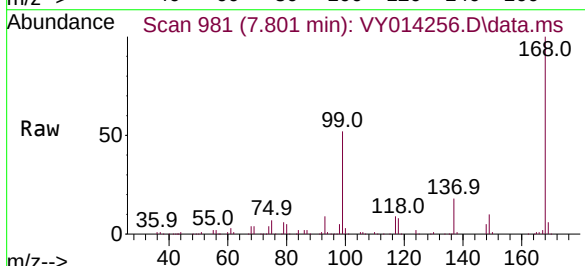
RT: 7.801 min Scan# 981

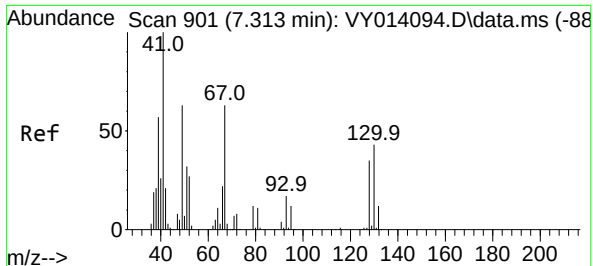
Delta R.T. -0.097 min

Lab File: VY014256.D

Acq: 20 Jun 2023 03:28

Tgt Ion: 117	Resp:	18250
Ion Ratio	Lower	Upper
117	100	
119	5.1	76.4 114.6#
121	0.0	25.8 38.6#

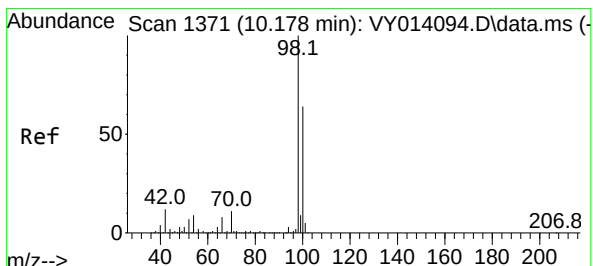
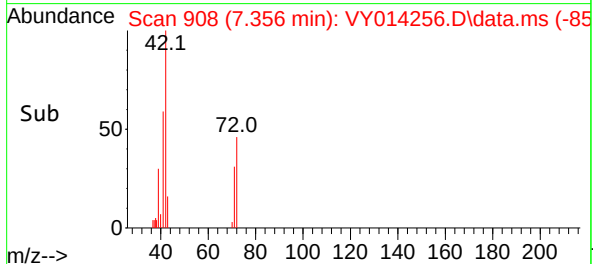
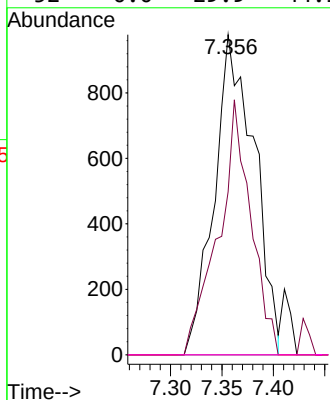
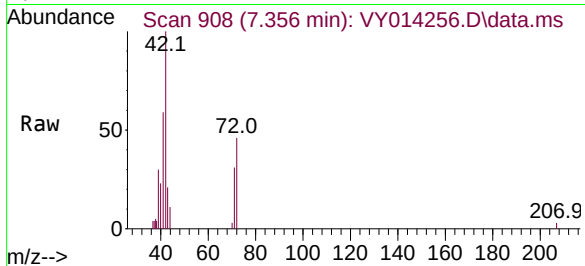




#41
Methacrylonitrile
Concen: 2.314 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.043 min
Lab File: VY014256.D
Acq: 20 Jun 2023 03:28

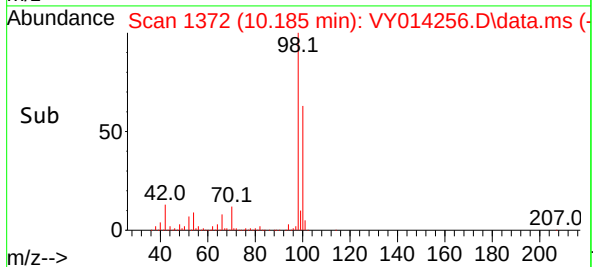
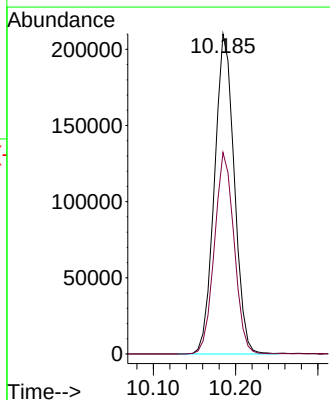
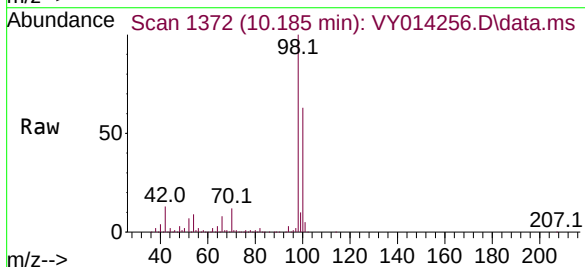
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-02-GRAB-7

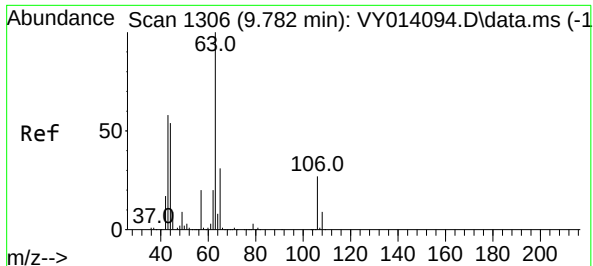
Tgt Ion: 41	Resp: 2639
Ion Ratio	Lower Upper
41 100	
39 64.9	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 45.194 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014256.D
Acq: 20 Jun 2023 03:28

Tgt Ion: 98	Resp: 350947
Ion Ratio	Lower Upper
98 100	
100 62.5	50.1 75.1

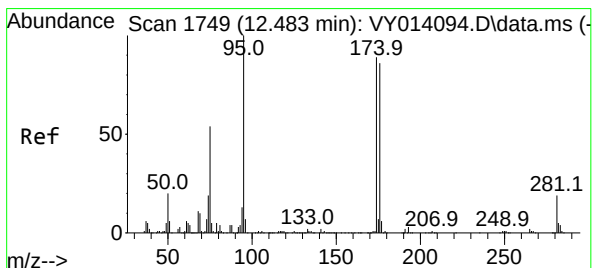
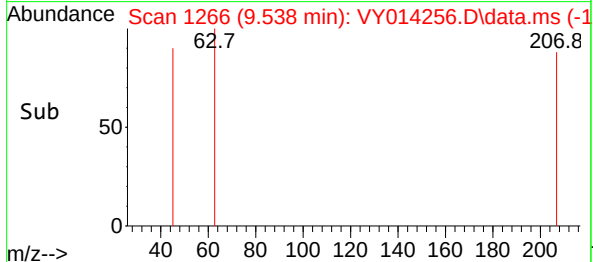
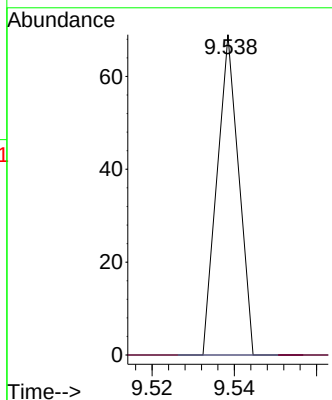
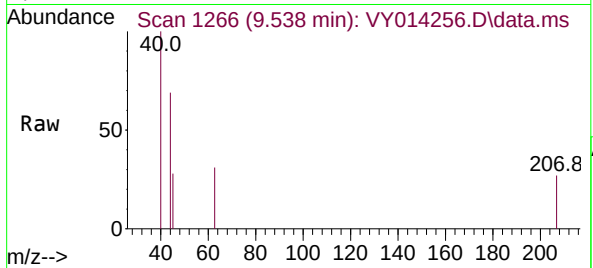




#58
2-Chloroethyl Vinyl ether
Concen: 28.637 ug/l
RT: 9.538 min Scan# 11
Delta R.T. -0.244 min
Lab File: VY014256.D
Acq: 20 Jun 2023 03:28

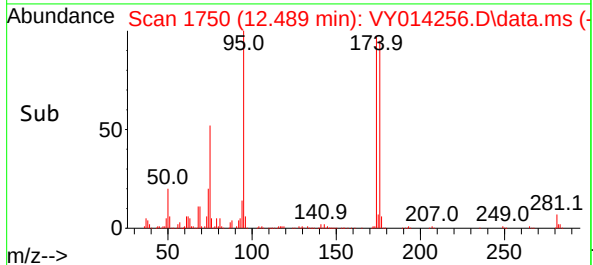
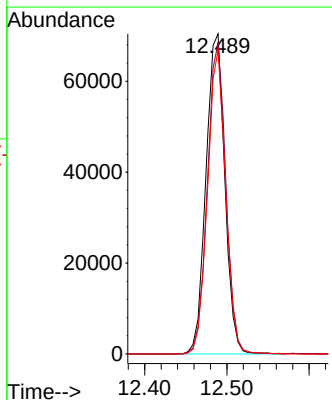
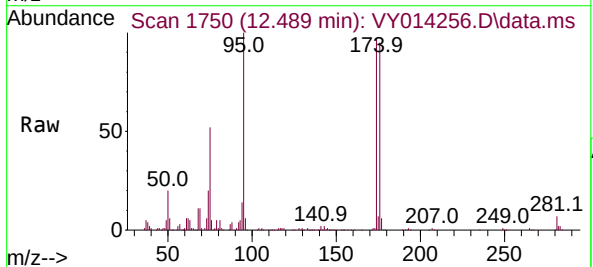
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-02-GRAB-7

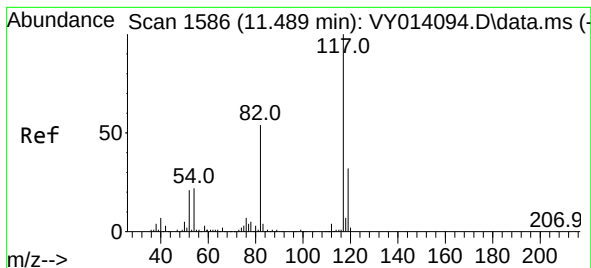
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#62
4-Bromofluorobenzene
Concen: 40.612 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014256.D
Acq: 20 Jun 2023 03:28

Tgt Ion: 95 Resp: 112028
Ion Ratio Lower Upper
95 100
174 95.5 0.0 178.2
176 91.2 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: VY014256.D

Acq: 20 Jun 2023 03:28

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-02-GRAB-7

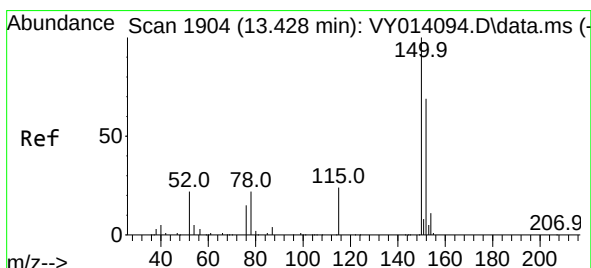
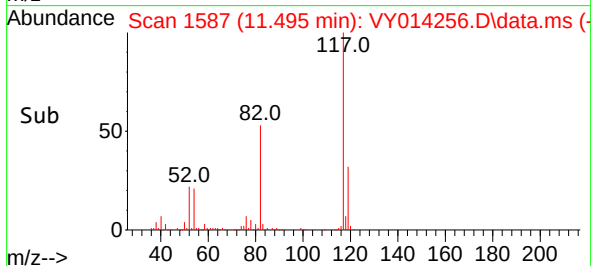
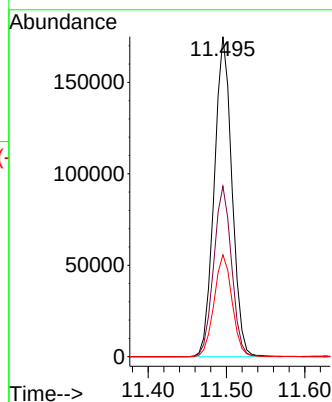
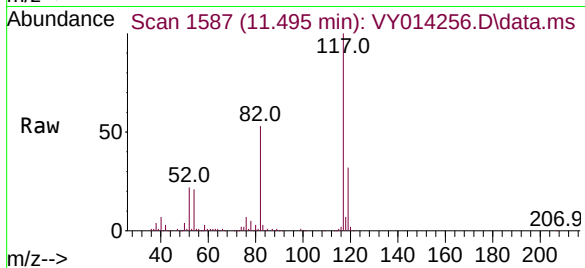
Tgt Ion:117 Resp: 275185

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 31.9 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: VY014256.D

Acq: 20 Jun 2023 03:28

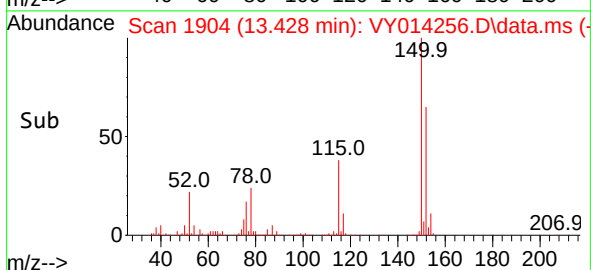
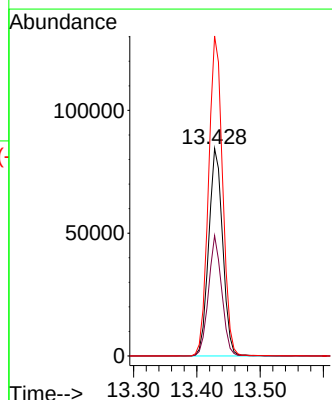
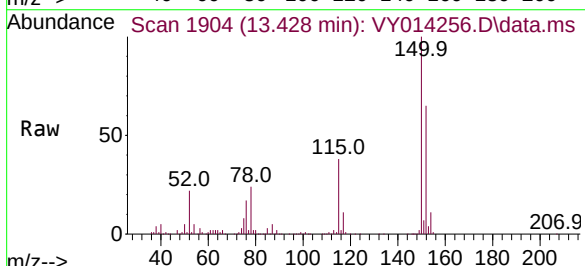
Tgt Ion:152 Resp: 129687

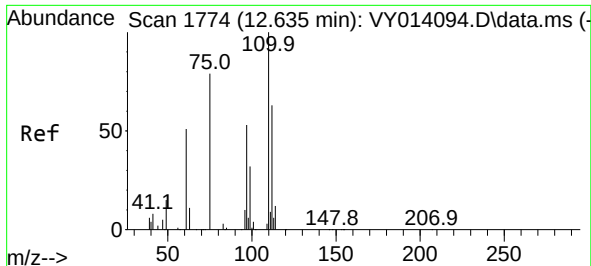
Ion Ratio Lower Upper

152 100

115 54.9 28.8 86.5

150 155.6 0.0 348.8

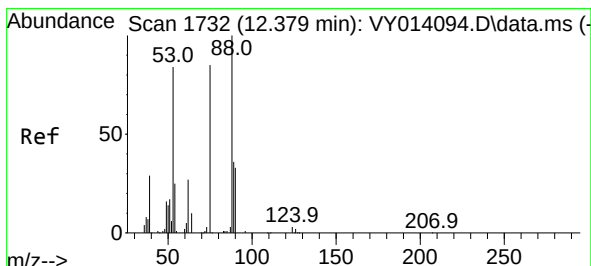
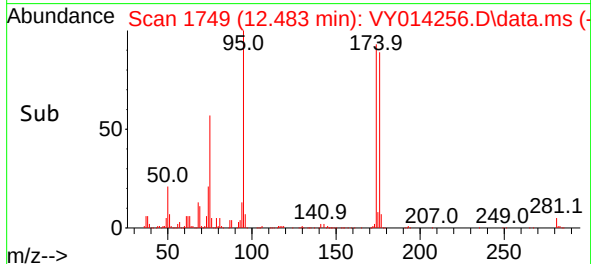
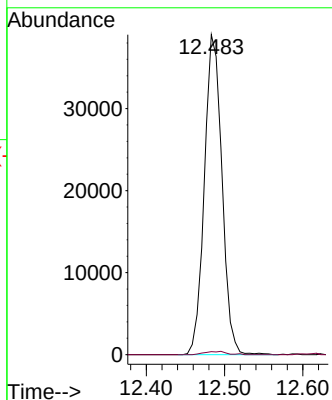
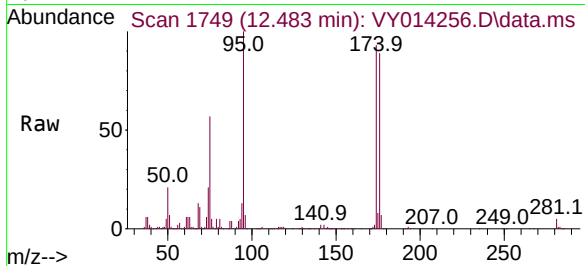




#76
1,2,3-Trichloropropane
Concen: 35.718 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014256.D
Acq: 20 Jun 2023 03:28

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-02-GRAB-7

Tgt Ion: 75 Resp: 60773
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.209 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014256.D
Acq: 20 Jun 2023 03:28

Tgt Ion: 75 Resp: 60773
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.1 37.4 56.0#

