

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014258.D
 Acq On : 20 Jun 2023 04:15
 Operator : KP/MD
 Sample : 03327-18
 Misc : 6.53g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-06-GRAB-7

Quant Time: Jun 20 05:48:30 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)

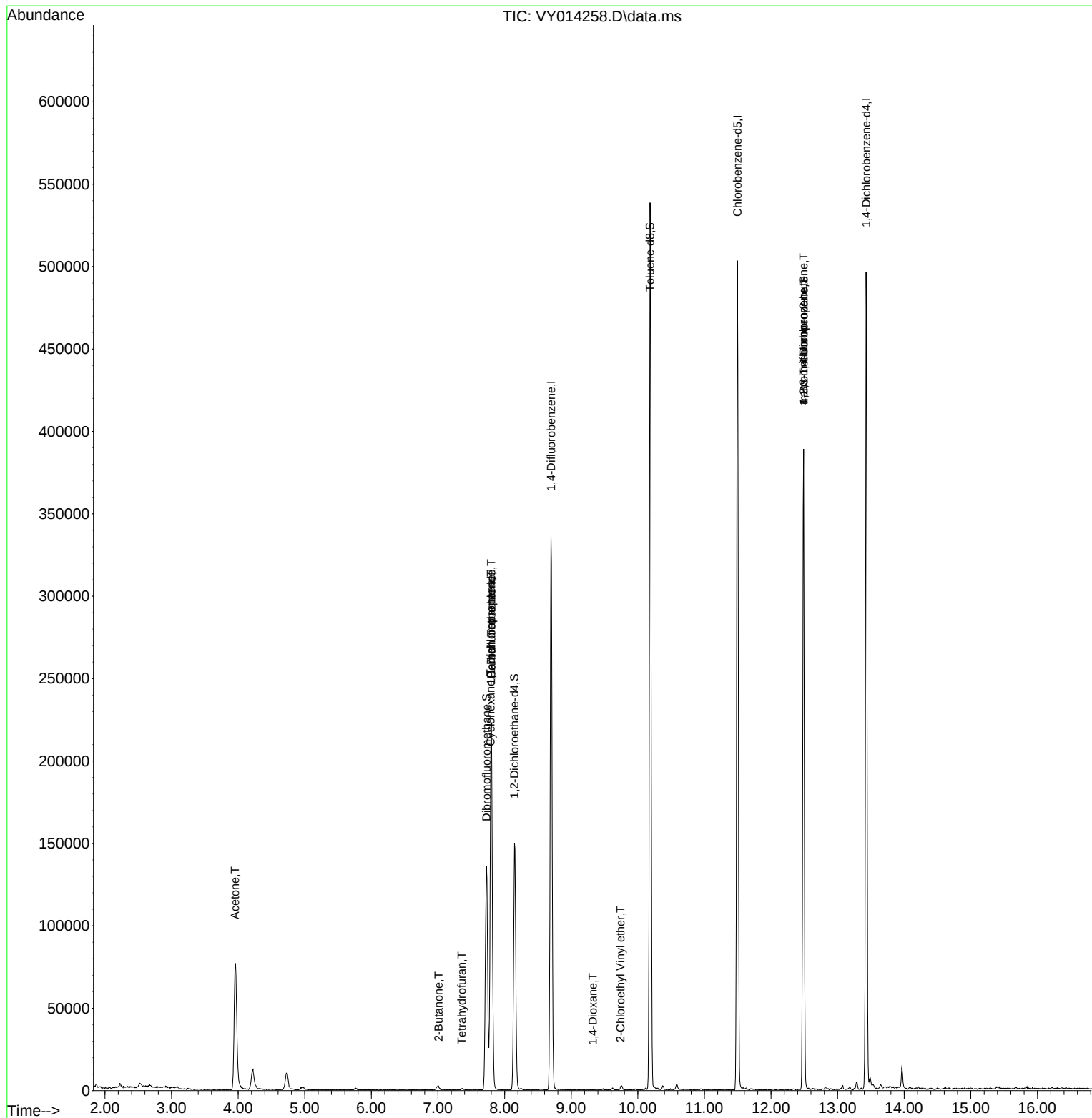
Internal Standards						
1) Pentafluorobenzene	7.801	168	177027	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	281676	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	267510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125488	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	127264	51.626	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.260%	
35) Dibromofluoromethane	7.728	113	93251	46.682	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.360%	
50) Toluene-d8	10.185	98	341811	45.769	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.540%	
62) 4-Bromofluorobenzene	12.489	95	108803	41.013	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	3375	Below Cal		98
16) Acetone	3.954	43	141541	190.482	ug/l	100
20) Methylene Chloride	4.735	84	7833	Below Cal		90
25) 2-Butanone	7.008	43	1425	1.558	ug/l	99
29) Tetrahydrofuran	7.356	42	616	1.062	ug/l #	67
31) Cyclohexane	7.789	56	4185	1.267	ug/l #	27
36) 1,1-Dichloropropene	7.795	75	13339	4.283	ug/l #	51
38) Carbon Tetrachloride	7.801	117	16870	4.694	ug/l #	16
49) 1,4-Dioxane	9.325	88	20	1.087	ug/l #	36
58) 2-Chloroethyl Vinyl ether	9.740	63	41	28.650	ug/l #	48
76) 1,2,3-Trichloropropane	12.489	75	60443	36.713	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	60443	79.359	ug/l #	11

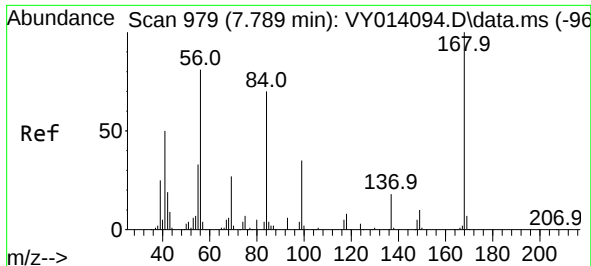
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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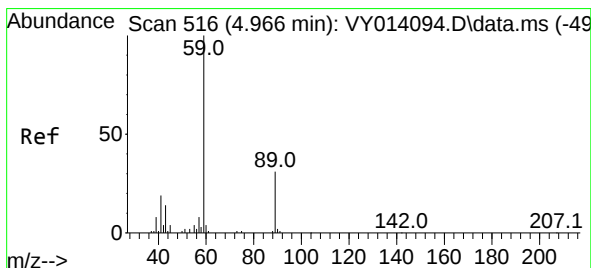
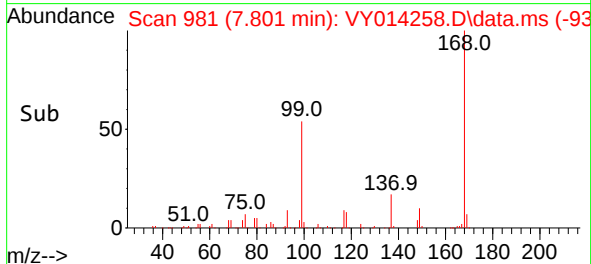
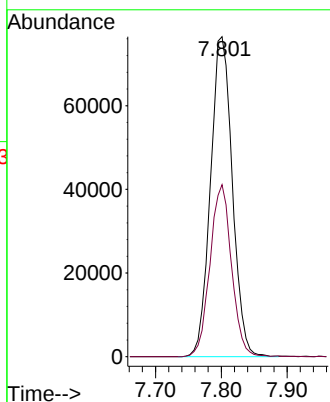
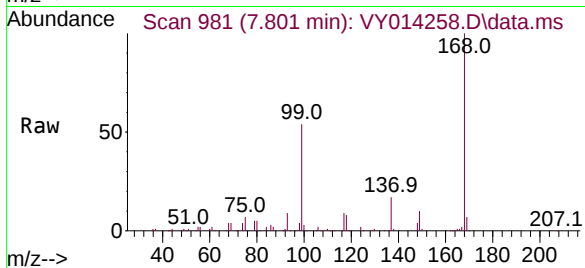




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014258.D
Acq: 20 Jun 2023 04:15

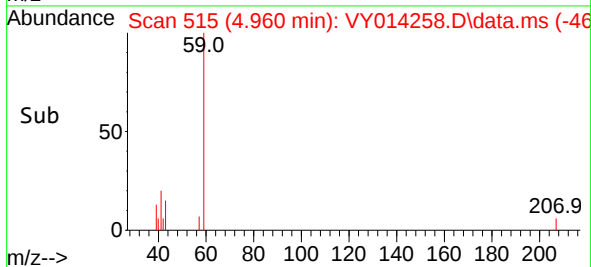
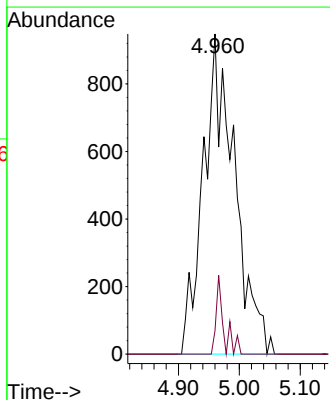
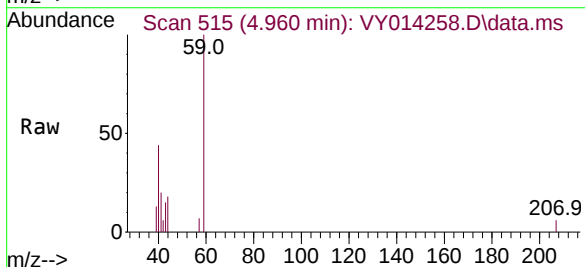
Instrument :
MSVOA_Y
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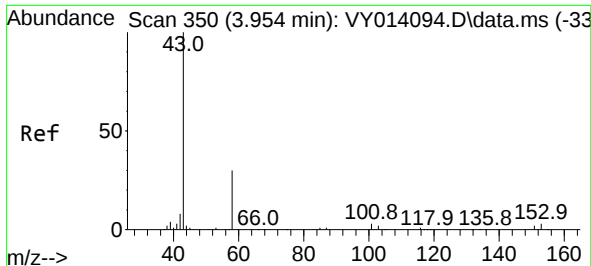
Tgt Ion:168 Resp: 177027
Ion Ratio Lower Upper
168 100
99 53.7 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY014258.D
Acq: 20 Jun 2023 04:15

Tgt Ion: 59 Resp: 3375
Ion Ratio Lower Upper
59 100
57 4.3 3.0 4.4

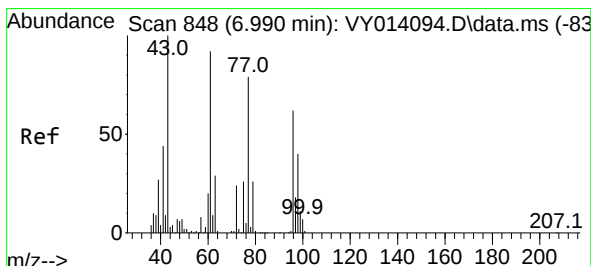
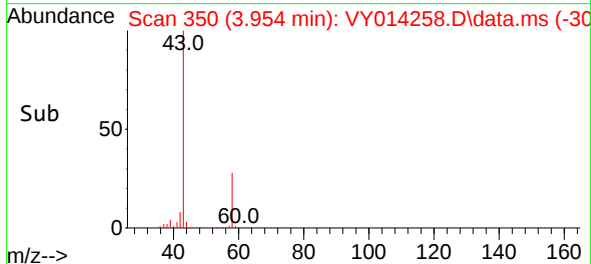
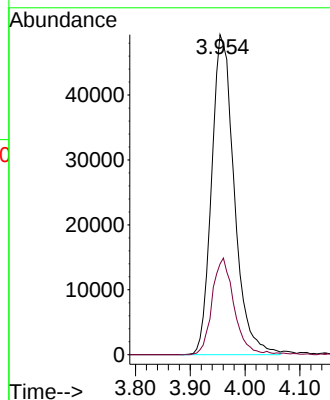
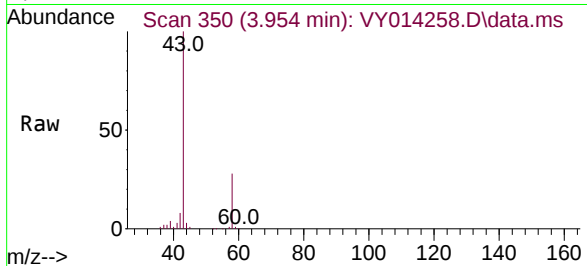




#16
Acetone
Concen: 190.482 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY014258.D
Acq: 20 Jun 2023 04:15

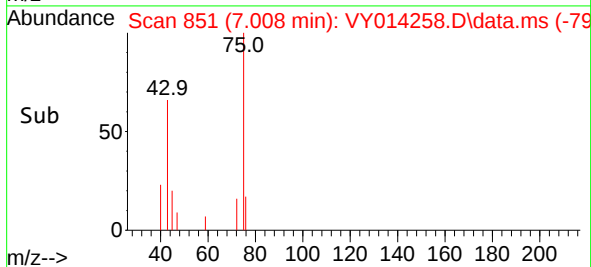
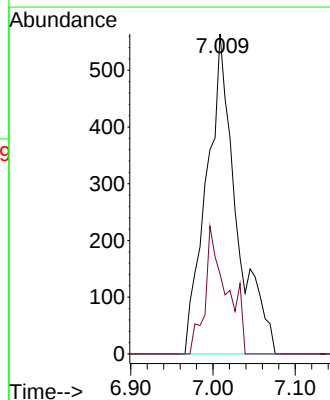
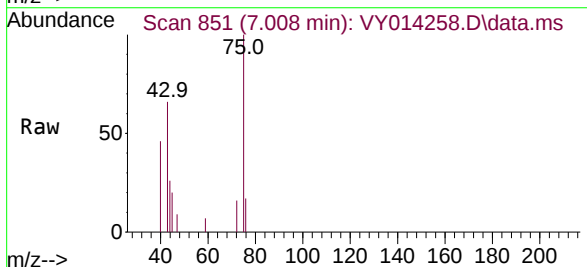
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-06-GRAB-7

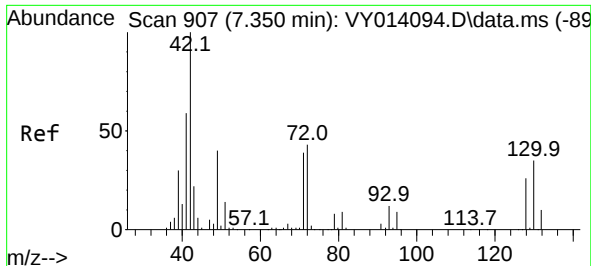
Tgt Ion: 43 Resp: 141541
Ion Ratio Lower Upper
43 100
58 28.3 22.7 34.1



#25
2-Butanone
Concen: 1.558 ug/l
RT: 7.008 min Scan# 851
Delta R.T. 0.018 min
Lab File: VY014258.D
Acq: 20 Jun 2023 04:15

Tgt Ion: 43 Resp: 1425
Ion Ratio Lower Upper
43 100
72 25.0 20.5 30.7





#29

Tetrahydrofuran

Concen: 1.062 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY014258.D

Acq: 20 Jun 2023 04:15

Instrument :

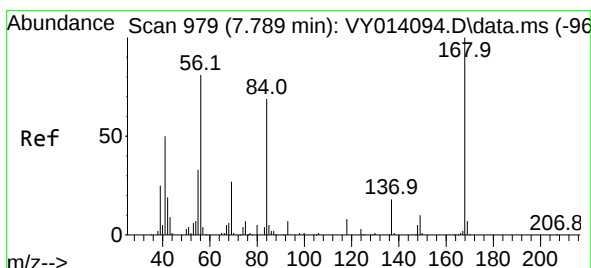
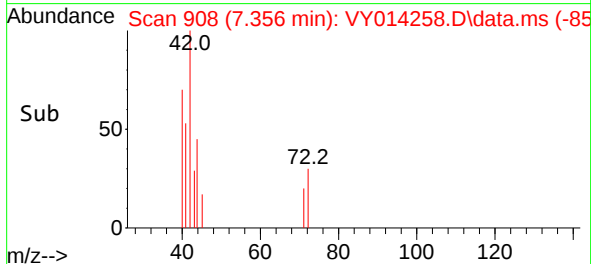
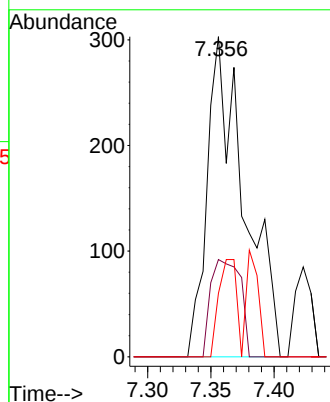
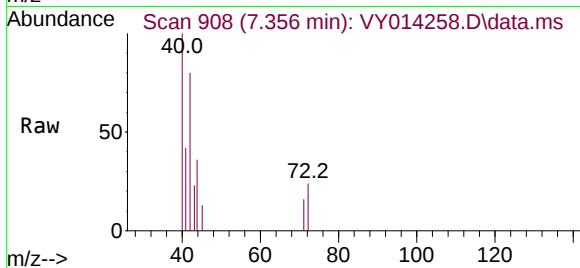
MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-06-GRAB-7

Tgt Ion: 42 Resp: 616

Ion	Ratio	Lower	Upper
42	100		
72	24.4	32.8	49.2#
71	14.4	31.0	46.4#



#31

Cyclohexane

Concen: 1.267 ug/l

RT: 7.789 min Scan# 979

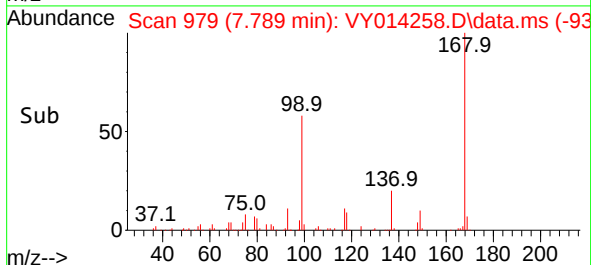
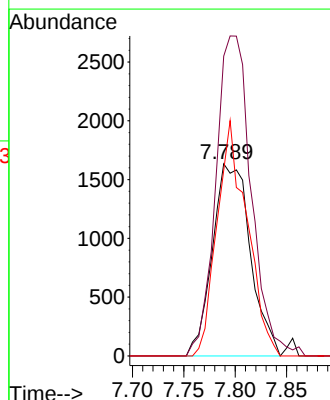
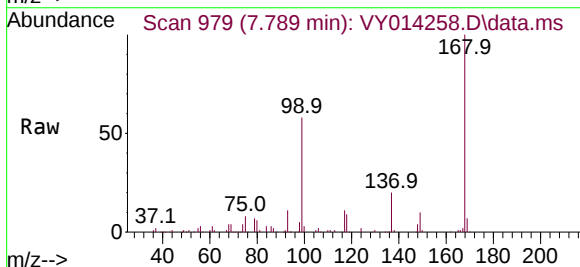
Delta R.T. -0.000 min

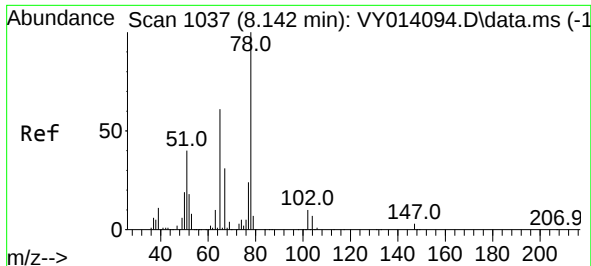
Lab File: VY014258.D

Acq: 20 Jun 2023 04:15

Tgt Ion: 56 Resp: 4185

Ion	Ratio	Lower	Upper
56	100		
69	156.1	27.8	41.6#
84	96.6	66.4	99.6





#33

1,2-Dichloroethane-d4

Concen: 51.626 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY014258.D

Acq: 20 Jun 2023 04:15

Instrument :

MSVOA_Y

ClientSampleId :

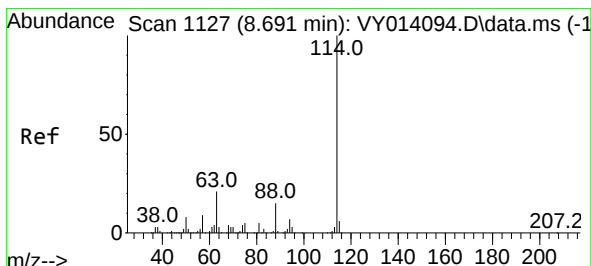
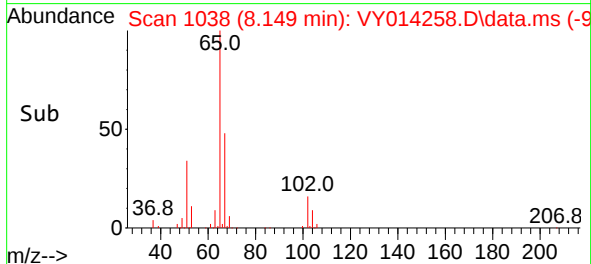
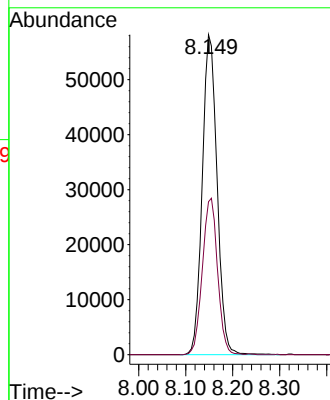
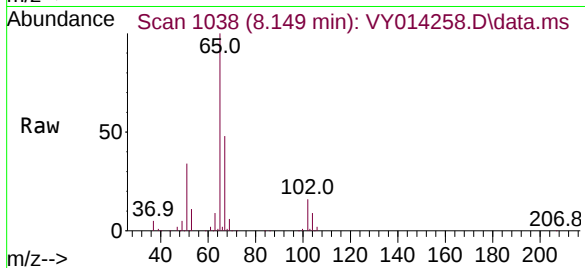
TOTAL-VOC-TW-06-GRAB-7

Tgt Ion: 65 Resp: 127264

Ion Ratio Lower Upper

65 100

67 50.1 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: VY014258.D

Acq: 20 Jun 2023 04:15

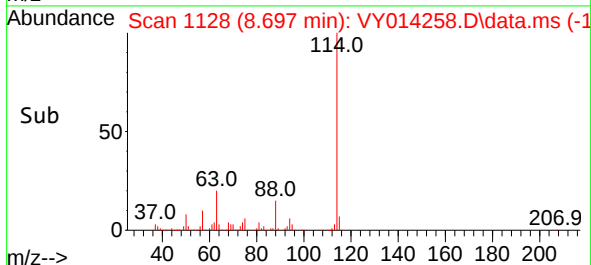
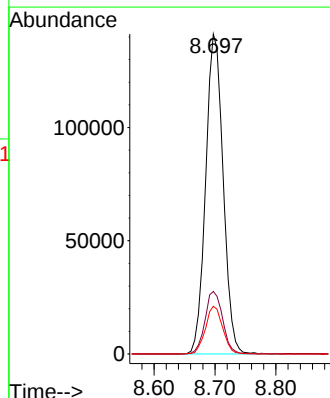
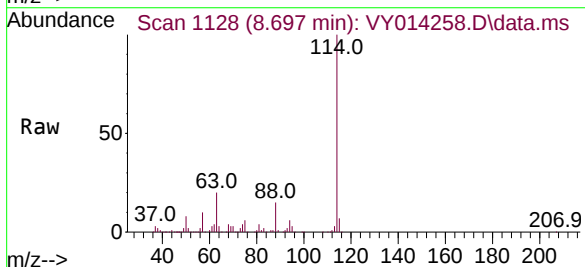
Tgt Ion: 114 Resp: 281676

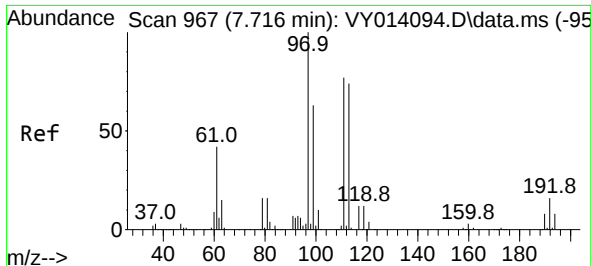
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 14.9 0.0 30.6

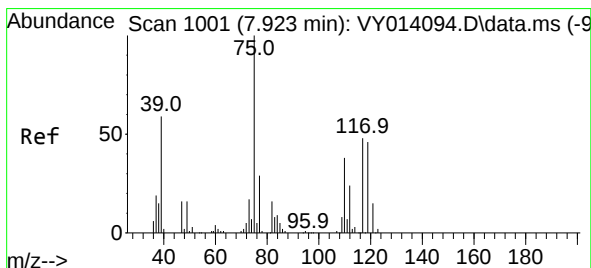
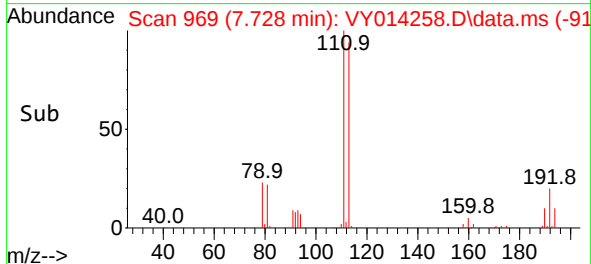
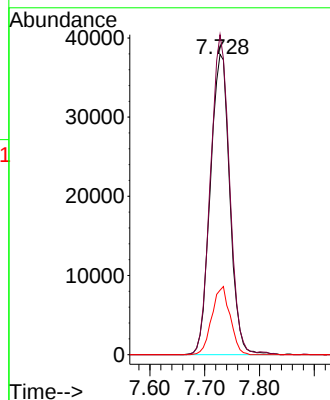
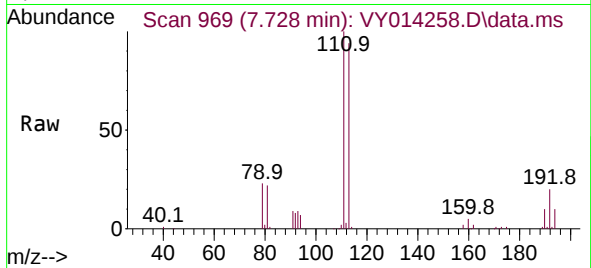




#35
Dibromofluoromethane
Concen: 46.682 ug/l
RT: 7.728 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014258.D
Acq: 20 Jun 2023 04:15

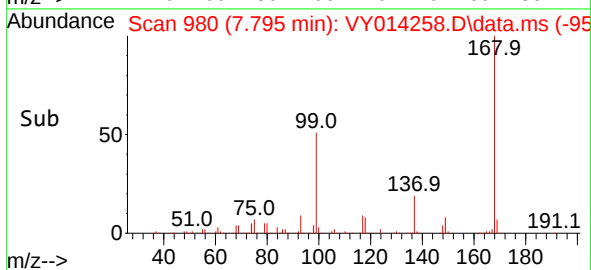
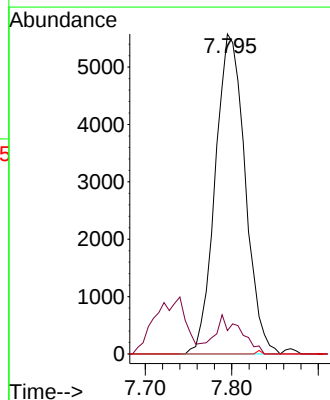
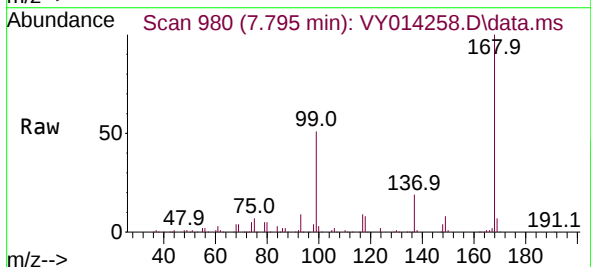
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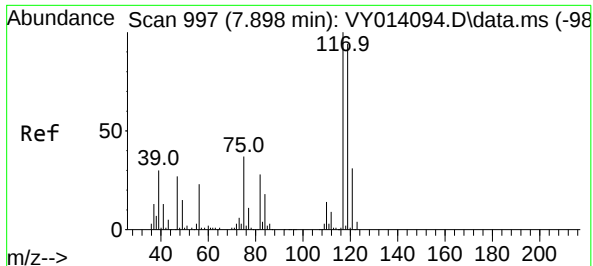
Tgt Ion:113 Resp: 93251
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 21.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.283 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY014258.D
Acq: 20 Jun 2023 04:15

Tgt Ion: 75 Resp: 13339
Ion Ratio Lower Upper
75 100
110 10.5 17.8 53.5#
77 0.0 24.4 36.6#

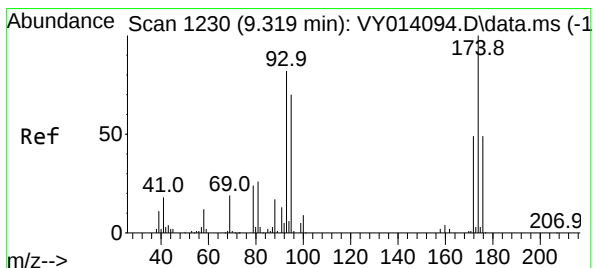
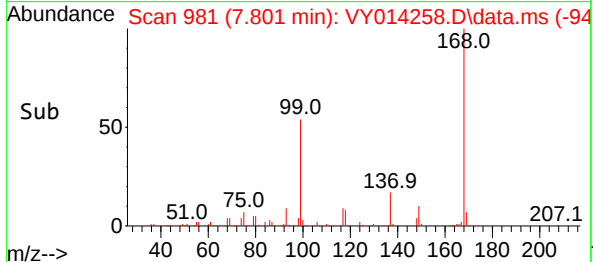
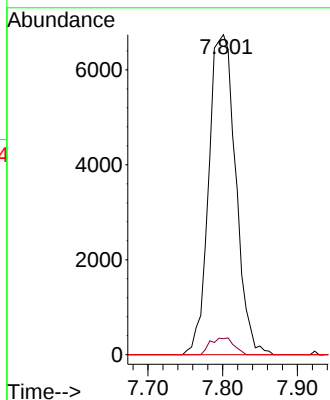
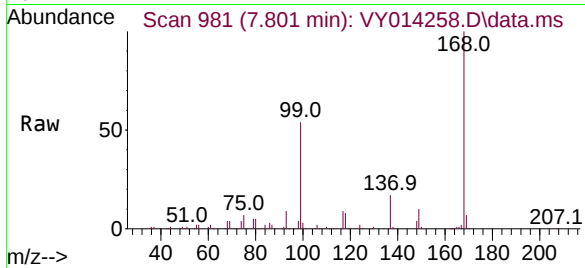




#38
Carbon Tetrachloride
Concen: 4.694 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY014258.D
Acq: 20 Jun 2023 04:15

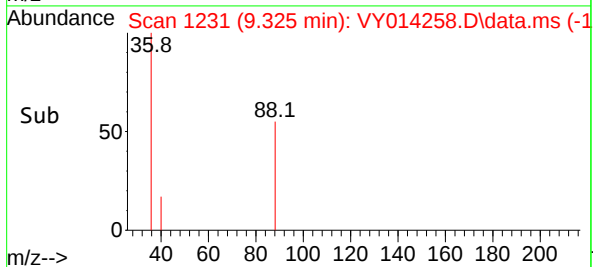
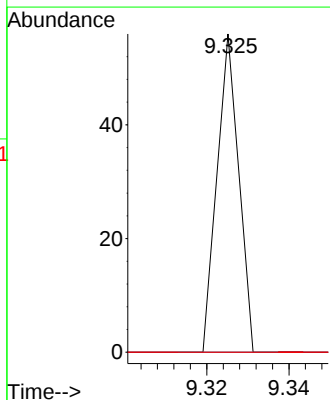
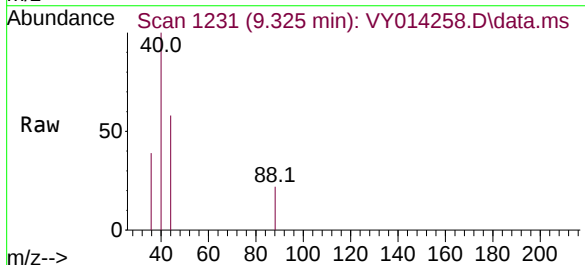
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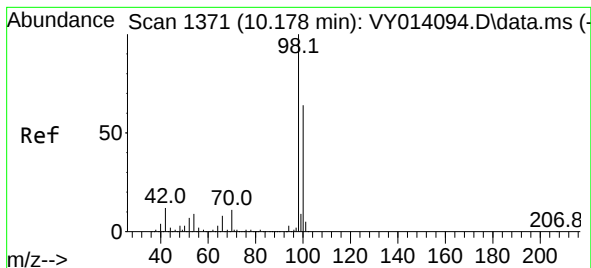
Tgt Ion:117 Resp: 16870
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#



#49
1,4-Dioxane
Concen: 1.087 ug/l
RT: 9.325 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY014258.D
Acq: 20 Jun 2023 04:15

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 30.9 46.3#





#50

Toluene-d8

Concen: 45.769 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014258.D

Acq: 20 Jun 2023 04:15

Instrument :

MSVOA_Y

ClientSampleId :

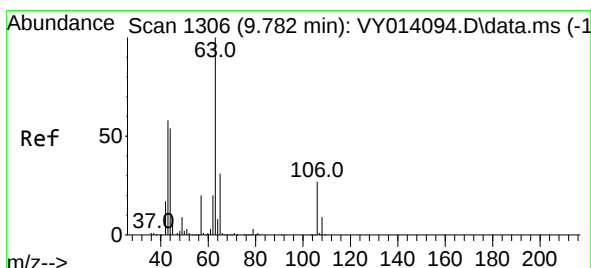
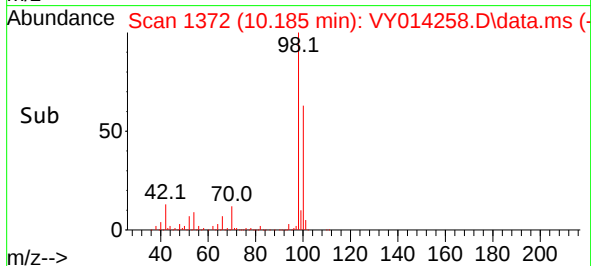
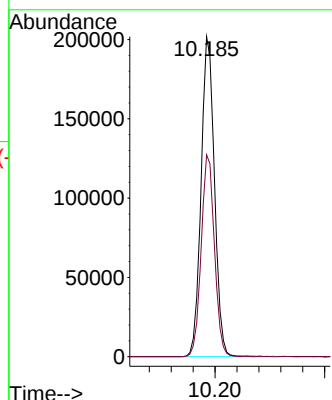
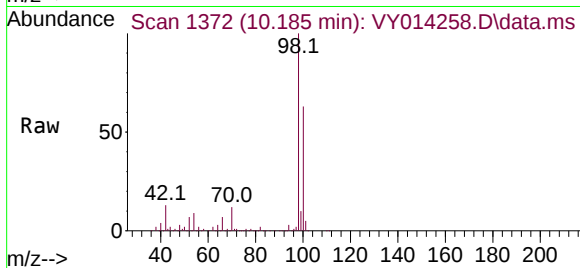
TOTAL-VOC-TW-06-GRAB-7

Tgt Ion: 98 Resp: 341811

Ion Ratio Lower Upper

98 100

100 62.4 50.1 75.1



#58

2-Chloroethyl Vinyl ether

Concen: 28.650 ug/l

RT: 9.740 min Scan# 1299

Delta R.T. -0.042 min

Lab File: VY014258.D

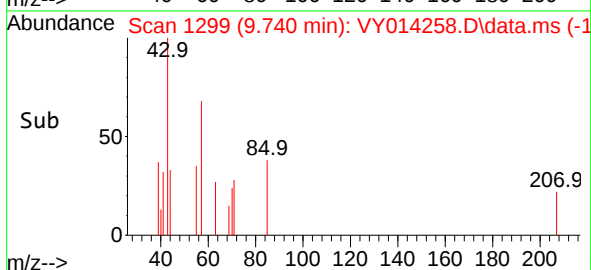
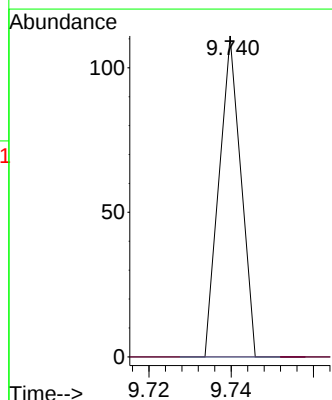
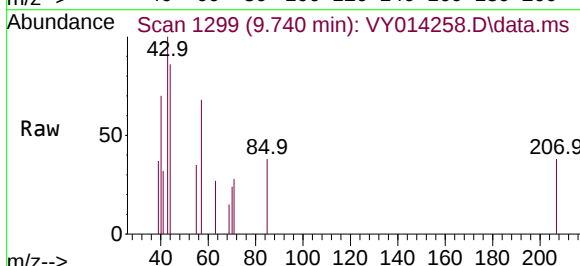
Acq: 20 Jun 2023 04:15

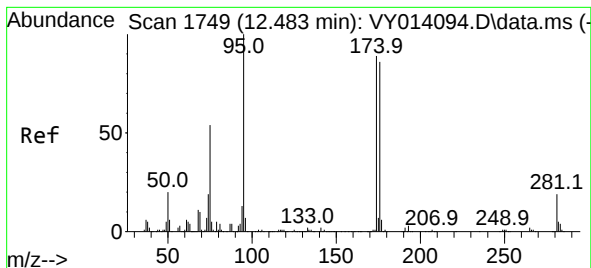
Tgt Ion: 63 Resp: 41

Ion Ratio Lower Upper

63 100

106 0.0 21.2 31.8#

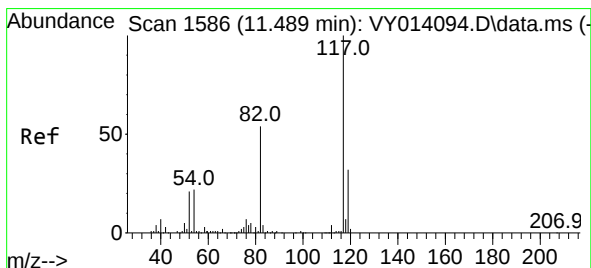
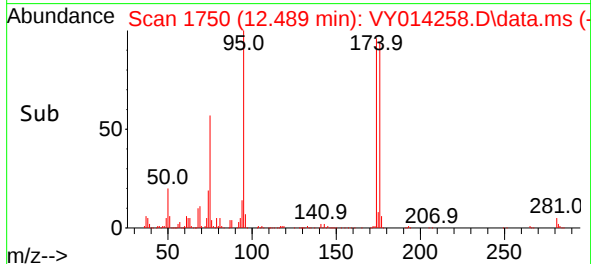
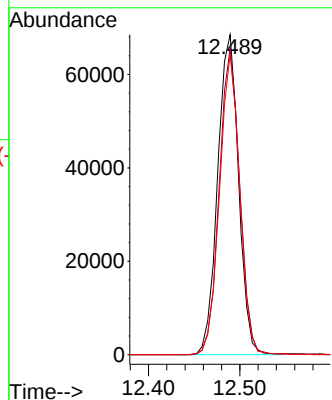
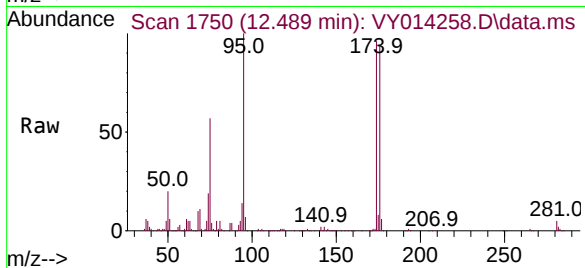




#62
4-Bromofluorobenzene
Concen: 41.013 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014258.D
Acq: 20 Jun 2023 04:15

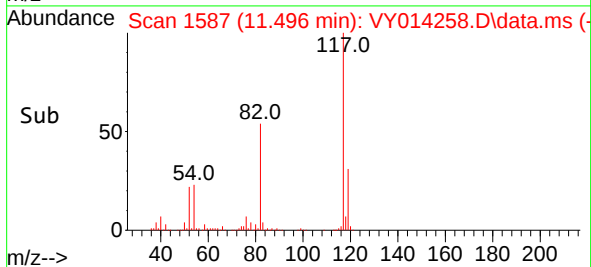
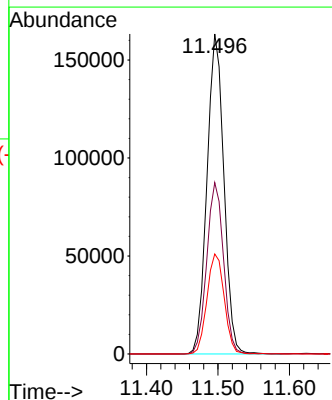
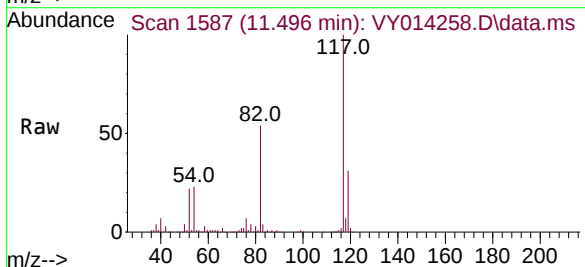
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-06-GRAB-7

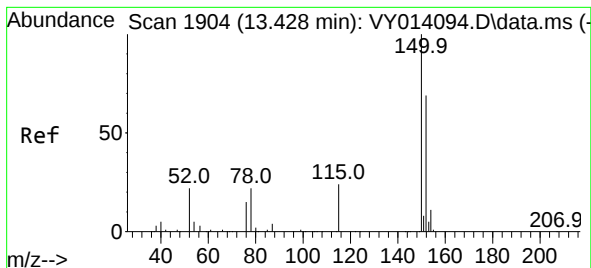
Tgt Ion: 95 Resp: 108803
Ion Ratio Lower Upper
95 100
174 93.7 0.0 178.2
176 91.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY014258.D
Acq: 20 Jun 2023 04:15

Tgt Ion: 117 Resp: 267510
Ion Ratio Lower Upper
117 100
82 53.6 43.4 65.0
119 31.2 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: VY014258.D

Acq: 20 Jun 2023 04:15

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-06-GRAB-7

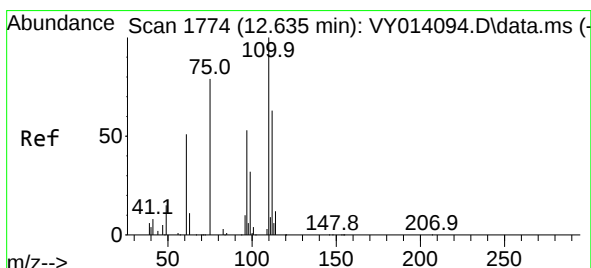
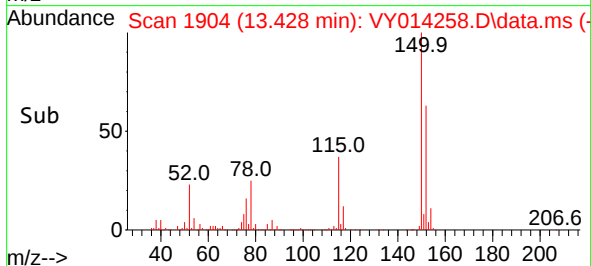
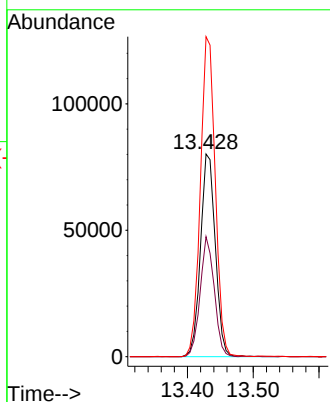
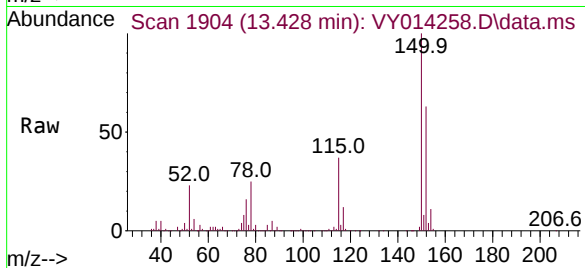
Tgt Ion:152 Resp: 125488

Ion Ratio Lower Upper

152 100

115 56.3 28.8 86.5

150 158.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 36.713 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY014258.D

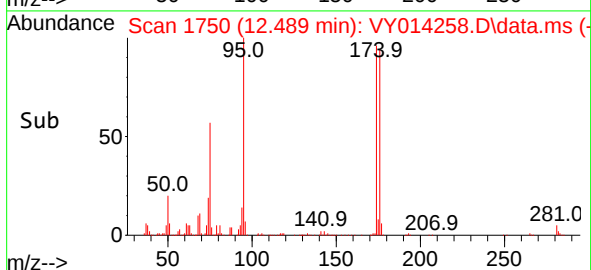
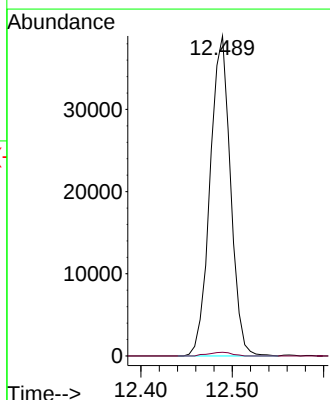
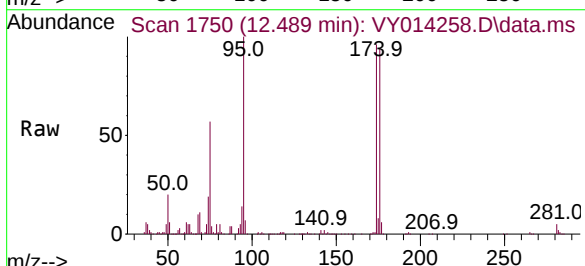
Acq: 20 Jun 2023 04:15

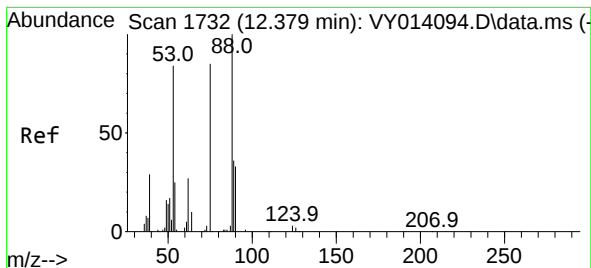
Tgt Ion: 75 Resp: 60443

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 79.359 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY014258.D
Acq: 20 Jun 2023 04:15

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-06-GRAB-7

Tgt Ion: 75 Resp: 60443
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.2 37.4 56.0#

