

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014281.D
 Acq On : 20 Jun 2023 14:22
 Operator : KP/MD
 Sample : 03256-25
 Misc : 9.86g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TP6-5-4-10W

Quant Time: Jun 21 02:07:44 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)

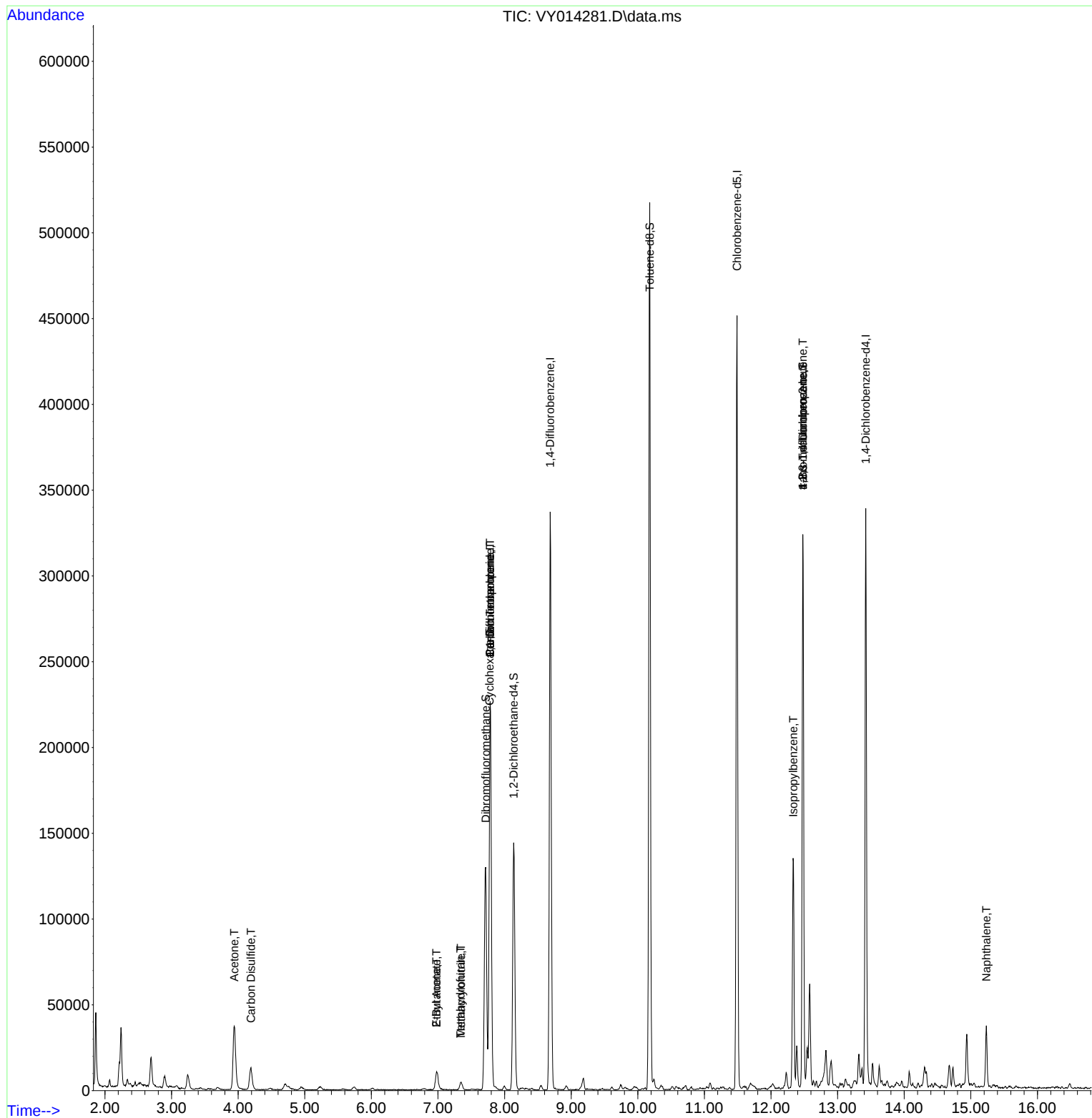
Internal Standards						
1) Pentafluorobenzene	7.783	168	173125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	271528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	234211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	84819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	119813	49.699	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.400%
35) Dibromofluoromethane	7.716	113	89433	46.444	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.880%
50) Toluene-d8	10.179	98	328801	45.673	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.340%
62) 4-Bromofluorobenzene	12.477	95	91244	35.679	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.360%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	3028	Below Cal	#	94
13) Acrolein	3.723	56	381	Below Cal	#	14
16) Acetone	3.942	43	67239	92.528	ug/l	98
17) Carbon Disulfide	4.192	76	22745	3.551	ug/l	95
20) Methylene Chloride	4.710	84	2039	Below Cal		97
25) 2-Butanone	6.978	43	11640	13.013	ug/l	93
29) Tetrahydrofuran	7.338	42	3231	5.696	ug/l	93
31) Cyclohexane	7.777	56	5194	1.608	ug/l #	45
36) 1,1-Dichloropropene	7.783	75	13152	4.381	ug/l #	51
37) Ethyl Acetate	6.978	43	11640	5.619	ug/l #	83
38) Carbon Tetrachloride	7.783	117	17108	4.938	ug/l #	16
41) Methacrylonitrile	7.344	41	2336	2.210	ug/l #	43
73) Isopropylbenzene	12.337	105	6815	1.053	ug/l #	69
76) 1,2,3-Trichloropropane	12.477	75	51766	46.518	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	51766	100.555	ug/l #	11
95) Naphthalene	15.233	128	28999	7.733	ug/l	99

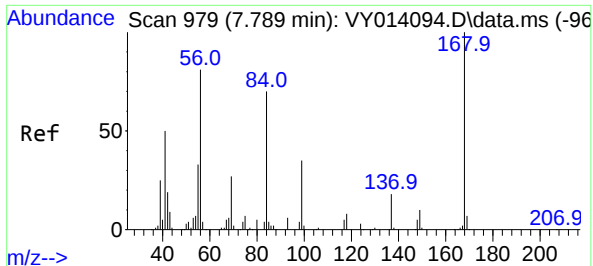
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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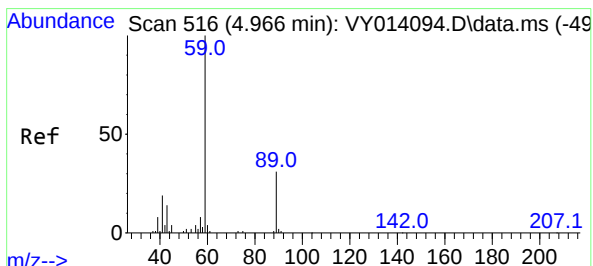
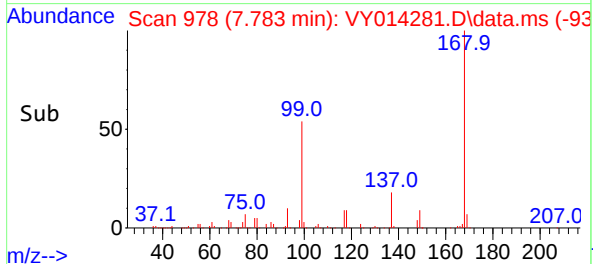
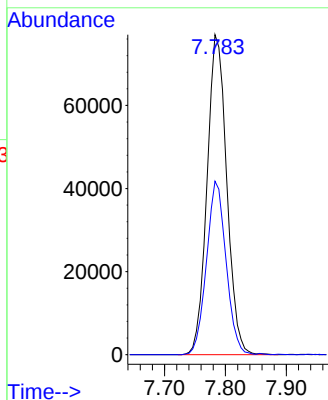
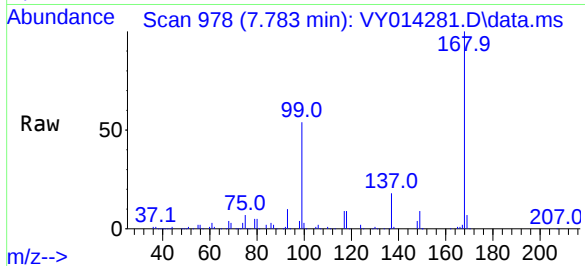




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014281.D
Acq: 20 Jun 2023 14:22

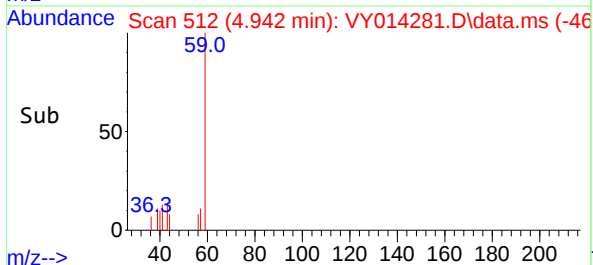
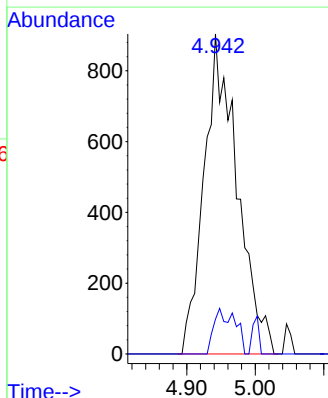
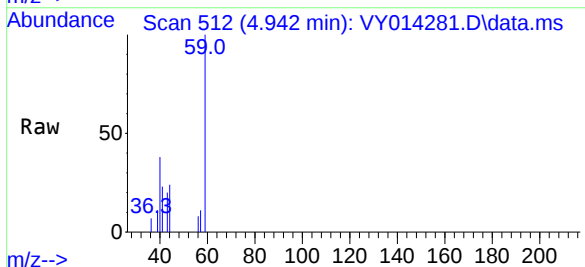
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-5-4-10W

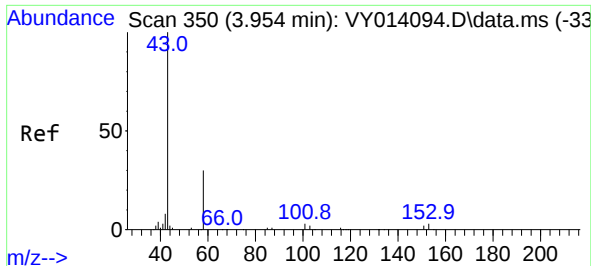
Tgt Ion:168 Resp: 173125
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.024 min
Lab File: VY014281.D
Acq: 20 Jun 2023 14:22

Tgt Ion: 59 Resp: 3028
Ion Ratio Lower Upper
59 100
57 5.6 3.0 4.4#

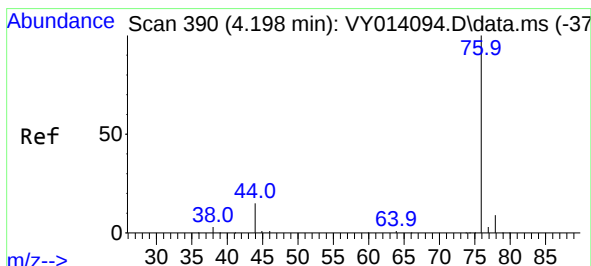
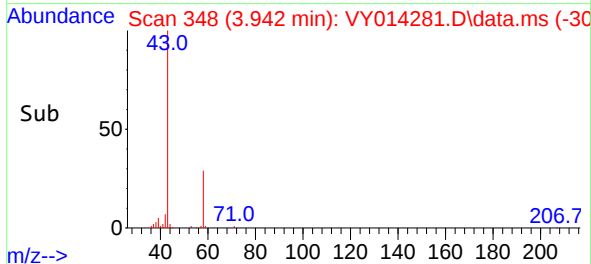
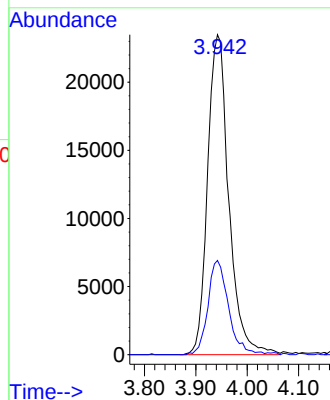
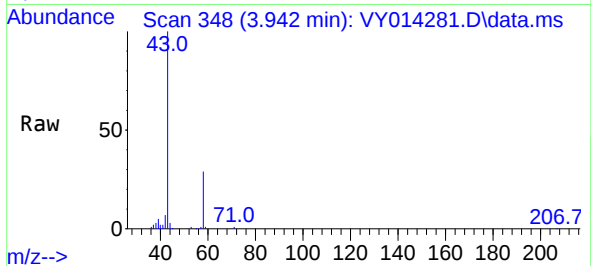




#16
Acetone
Concen: 92.528 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY014281.D
Acq: 20 Jun 2023 14:22

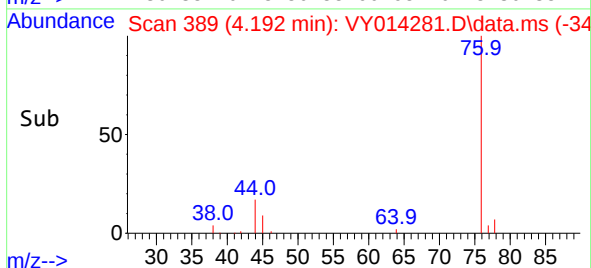
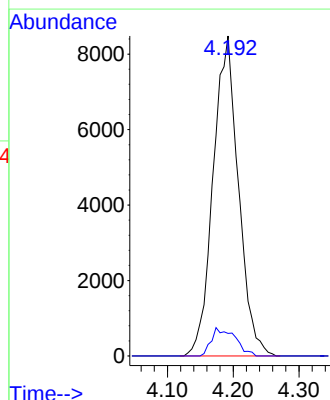
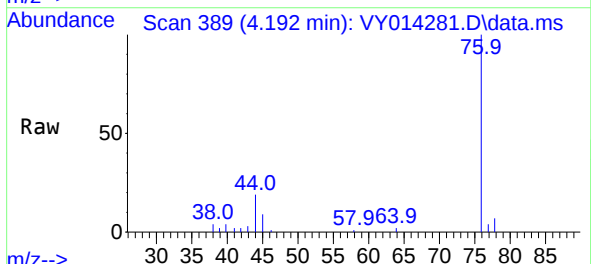
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-5-4-10W

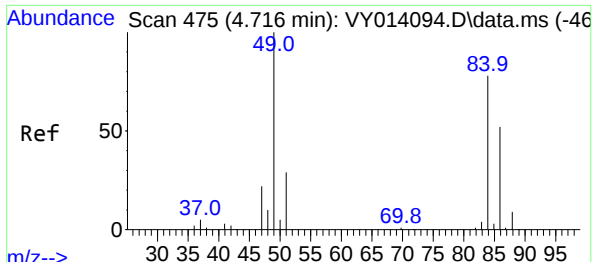
Tgt Ion: 43 Resp: 67239
Ion Ratio Lower Upper
43 100
58 29.5 22.7 34.1



#17
Carbon Disulfide
Concen: 3.551 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.006 min
Lab File: VY014281.D
Acq: 20 Jun 2023 14:22

Tgt Ion: 76 Resp: 22745
Ion Ratio Lower Upper
76 100
78 7.1 7.0 10.4



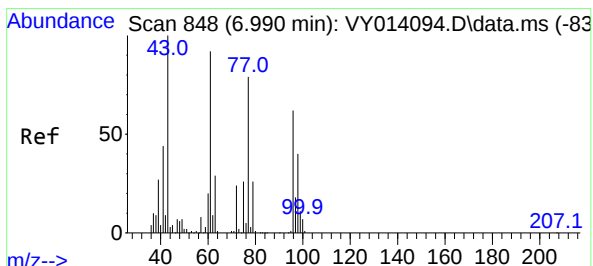
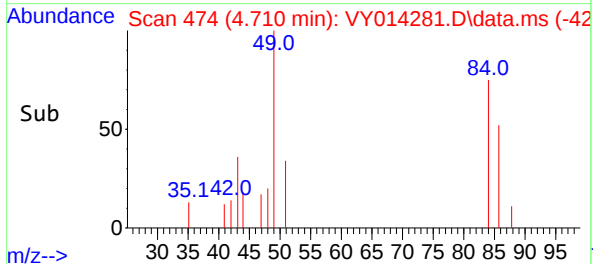
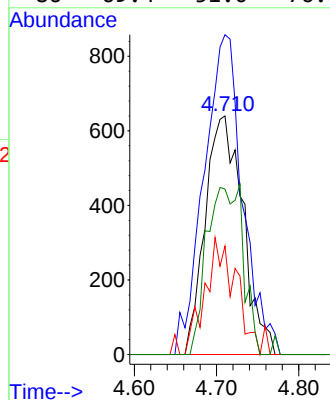
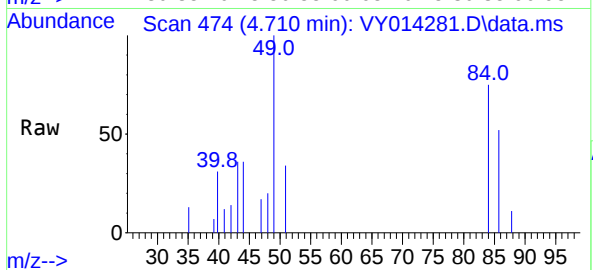


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY014281.D
Acq: 20 Jun 2023 14:22

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-5-4-10W

Tgt Ion: 84 Resp: 2039

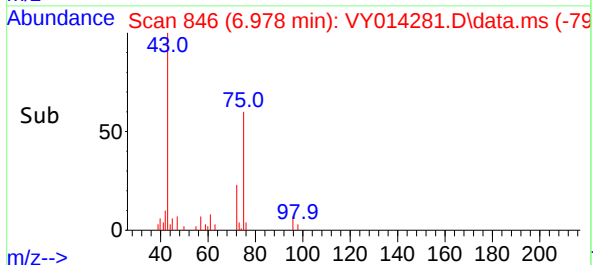
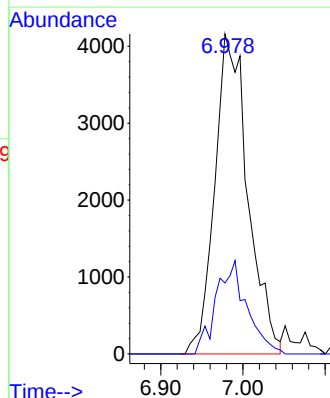
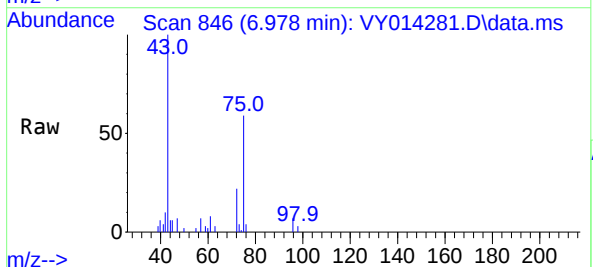
Ion	Ratio	Lower	Upper
84	100		
49	134.1	106.9	160.3
51	45.5	33.2	49.8
86	69.4	51.0	76.6

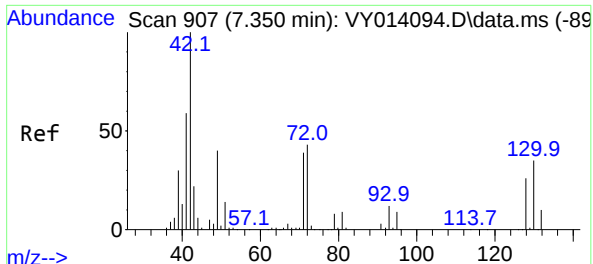


#25
2-Butanone
Concen: 13.013 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY014281.D
Acq: 20 Jun 2023 14:22

Tgt Ion: 43 Resp: 11640

Ion	Ratio	Lower	Upper
43	100		
72	22.2	20.5	30.7





#29

Tetrahydrofuran

Concen: 5.696 ug/l

RT: 7.338 min Scan# 907

Delta R.T. -0.012 min

Lab File: VY014281.D

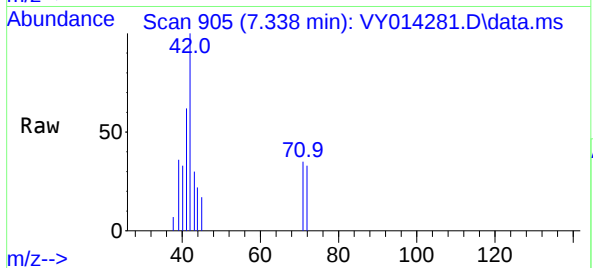
Acq: 20 Jun 2023 14:22

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TP6-5-4-10W



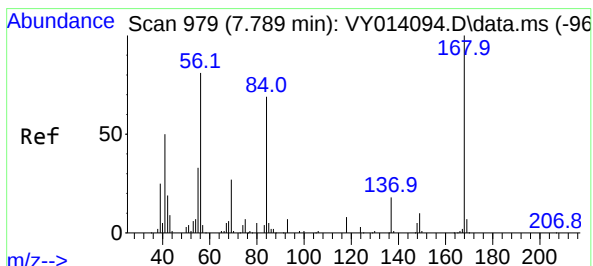
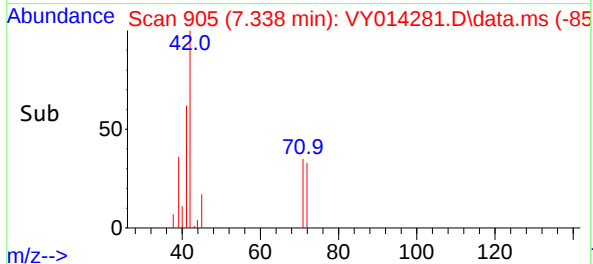
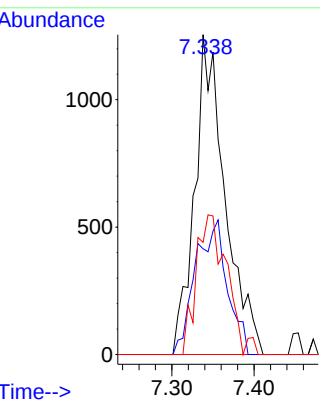
Tgt Ion: 42 Resp: 3231

Ion Ratio Lower Upper

42 100

72 44.1 32.8 49.2

71 44.1 31.0 46.4



#31

Cyclohexane

Concen: 1.608 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.012 min

Lab File: VY014281.D

Acq: 20 Jun 2023 14:22

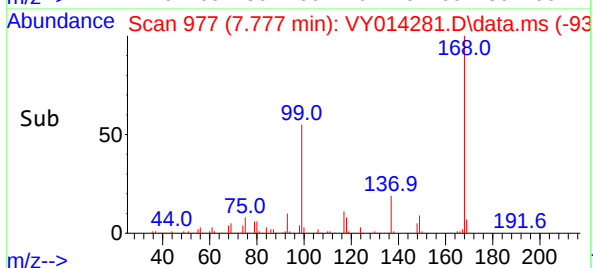
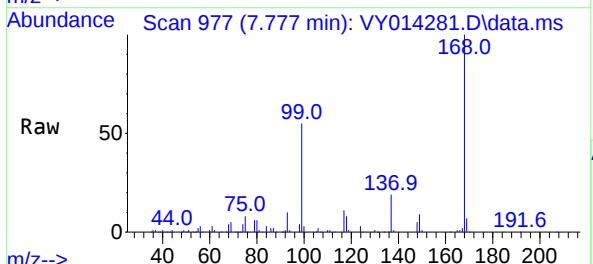
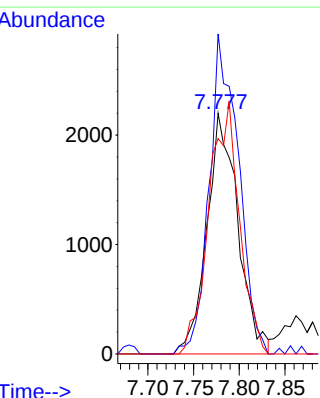
Tgt Ion: 56 Resp: 5194

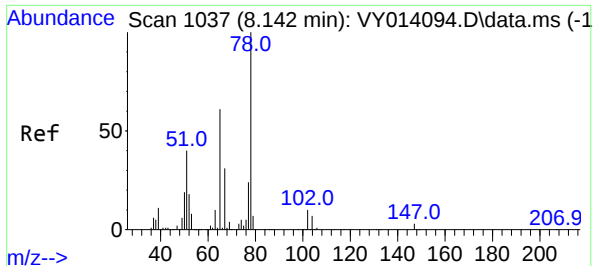
Ion Ratio Lower Upper

56 100

69 133.0 27.8 41.6#

84 89.5 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 49.699 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY014281.D

Acq: 20 Jun 2023 14:22

Instrument :

MSVOA_Y

ClientSampleId :

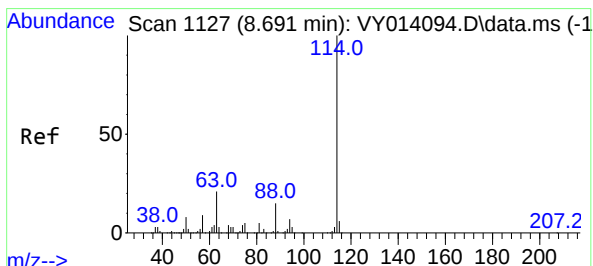
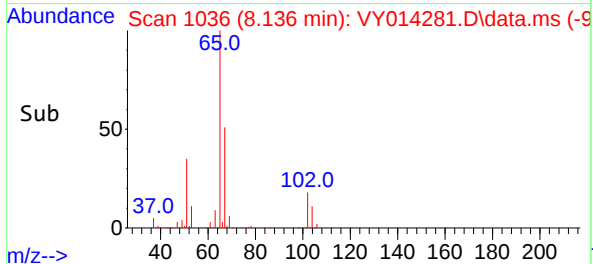
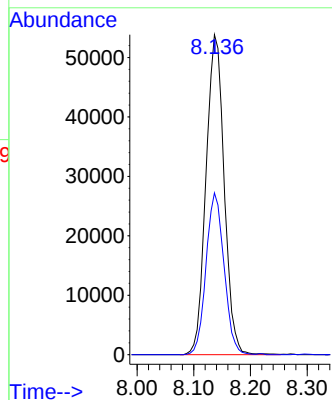
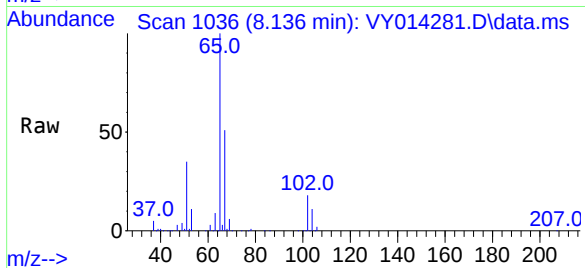
TOTAL-VOC-TP6-5-4-10W

Tgt Ion: 65 Resp: 119813

Ion Ratio Lower Upper

65 100

67 49.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014281.D

Acq: 20 Jun 2023 14:22

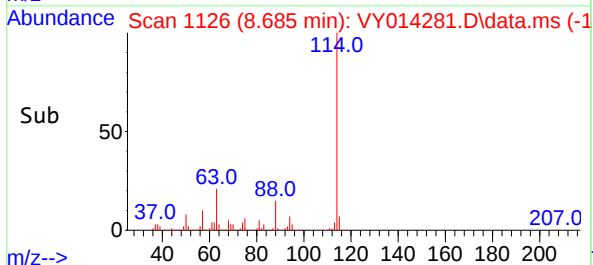
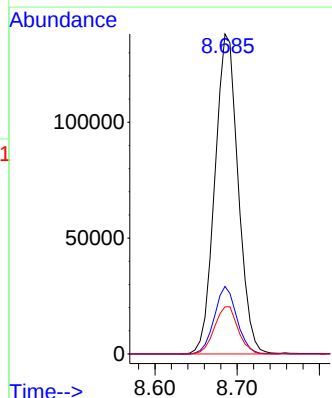
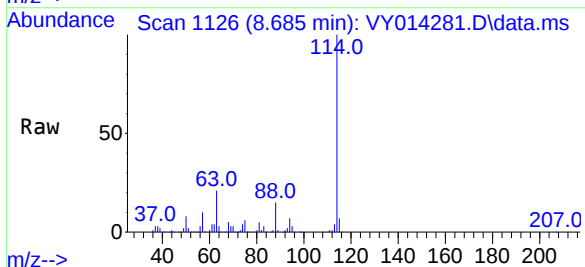
Tgt Ion: 114 Resp: 271528

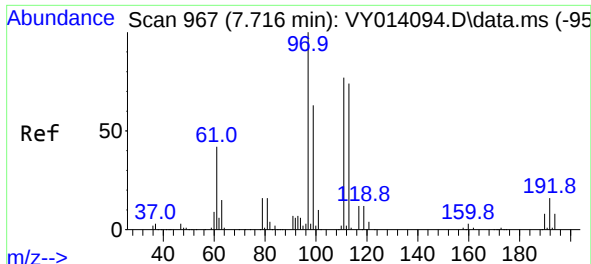
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.4

88 14.8 0.0 30.6

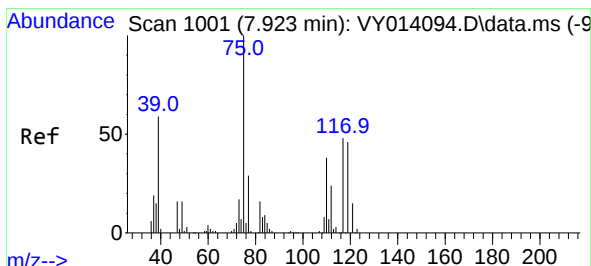
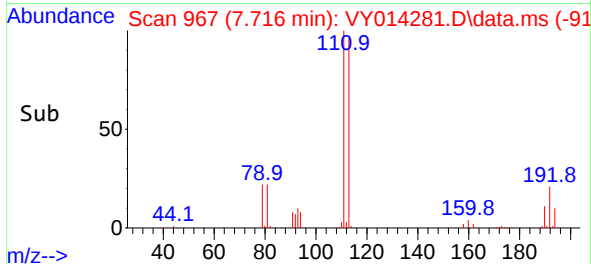
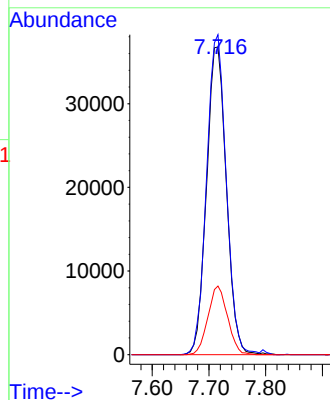
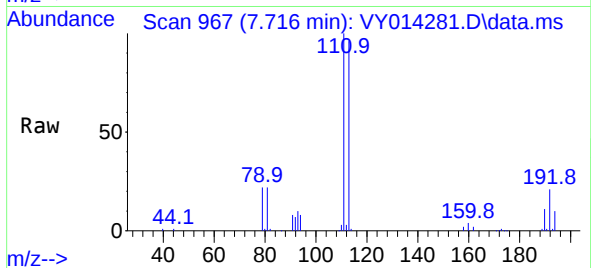




#35
Dibromofluoromethane
Concen: 46.444 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014281.D
Acq: 20 Jun 2023 14:22

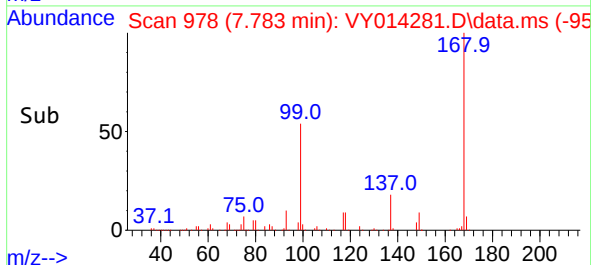
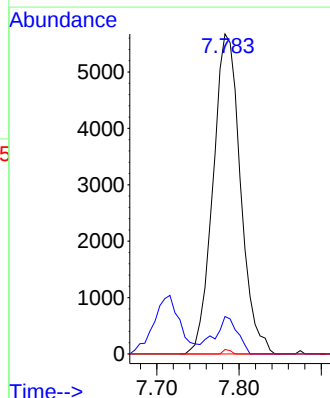
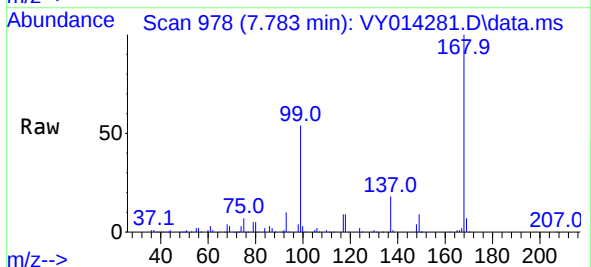
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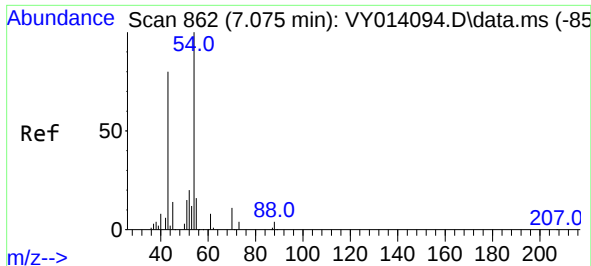
Tgt Ion:113 Resp: 89433
Ion Ratio Lower Upper
113 100
111 103.1 81.3 121.9
192 22.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.381 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014281.D
Acq: 20 Jun 2023 14:22

Tgt Ion: 75 Resp: 13152
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.4 24.4 36.6#





#37

Ethyl Acetate

Concen: 5.619 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.097 min

Lab File: VY014281.D

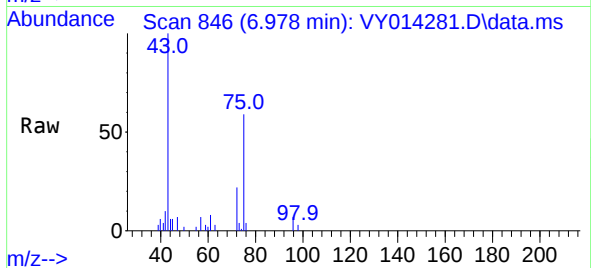
Acq: 20 Jun 2023 14:22

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TP6-5-4-10W



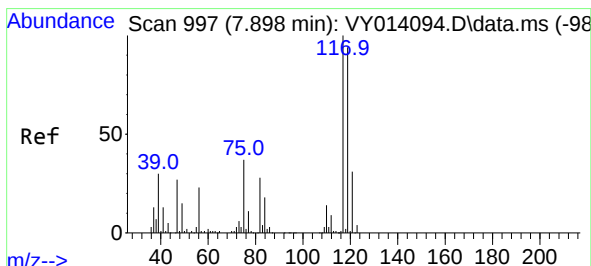
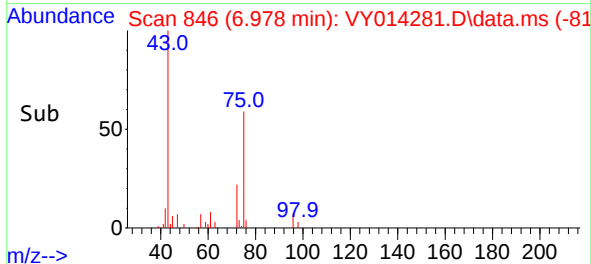
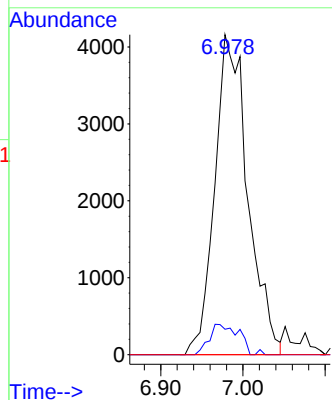
Tgt Ion: 43 Resp: 11640

Ion Ratio Lower Upper

43 100

61 8.3 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.938 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.115 min

Lab File: VY014281.D

Acq: 20 Jun 2023 14:22

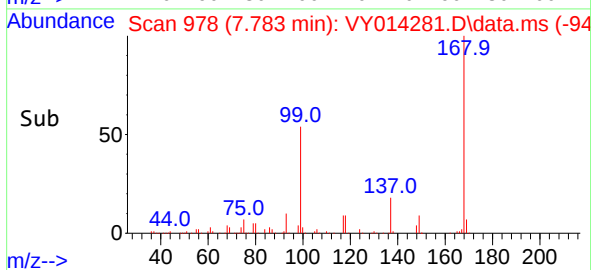
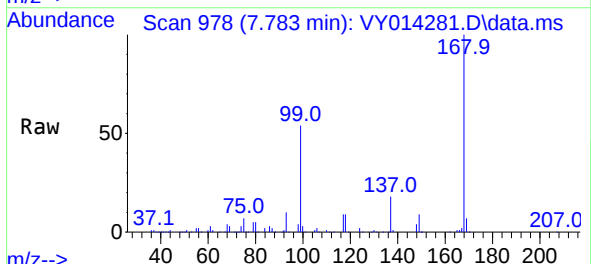
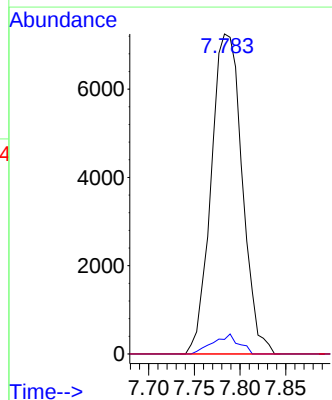
Tgt Ion: 117 Resp: 17108

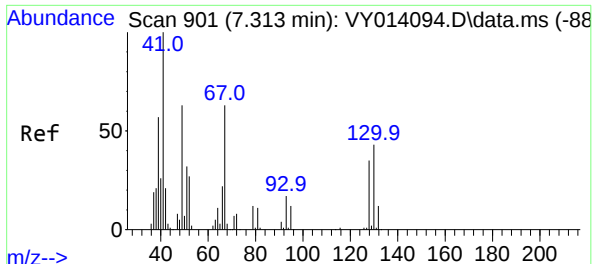
Ion Ratio Lower Upper

117 100

119 4.6 76.4 114.6#

121 0.0 25.8 38.6#

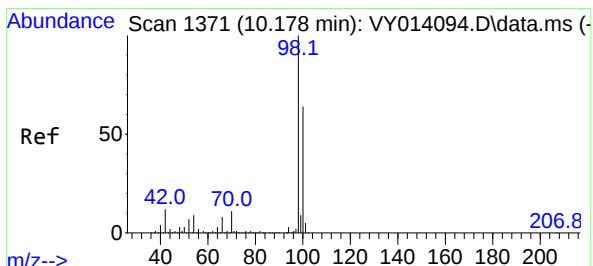
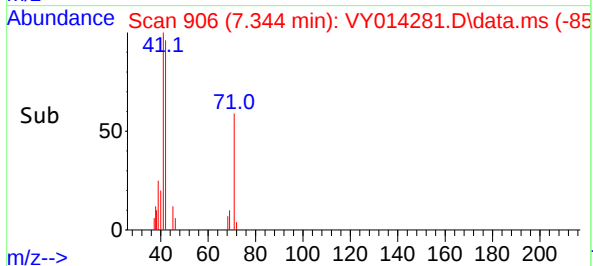
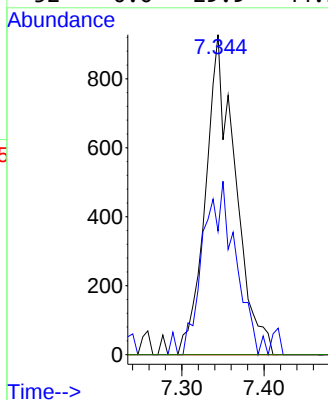
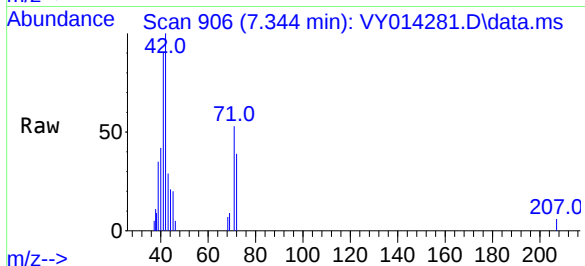




#41
Methacrylonitrile
Concen: 2.210 ug/l
RT: 7.344 min Scan# 901
Delta R.T. 0.031 min
Lab File: VY014281.D
Acq: 20 Jun 2023 14:22

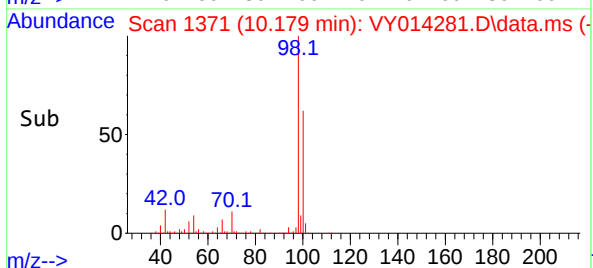
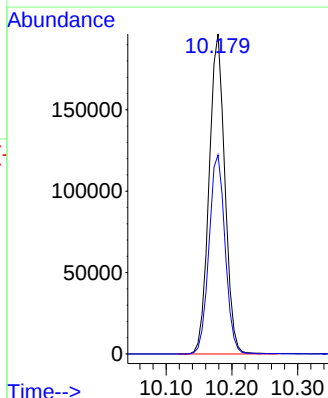
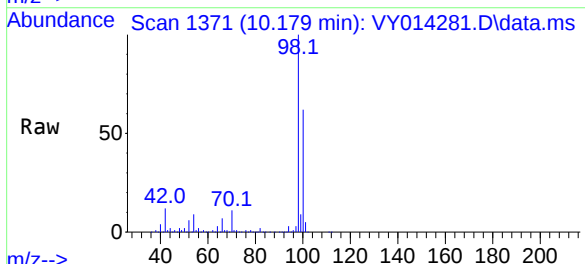
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-5-4-10W

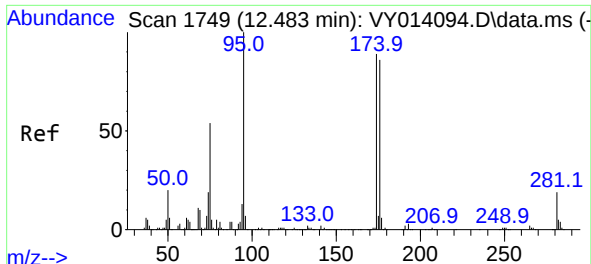
Tgt Ion: 41	Resp: 2336
Ion Ratio	Lower Upper
41 100	
39 58.2	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 45.673 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014281.D
Acq: 20 Jun 2023 14:22

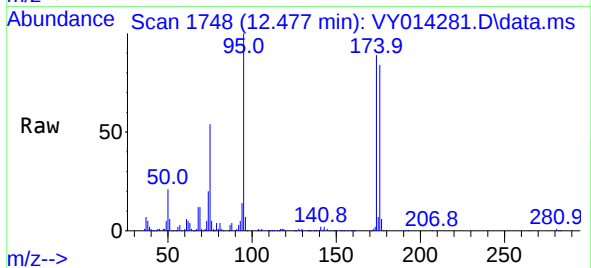
Tgt Ion: 98	Resp: 328801
Ion Ratio	Lower Upper
98 100	
100 63.4	50.1 75.1





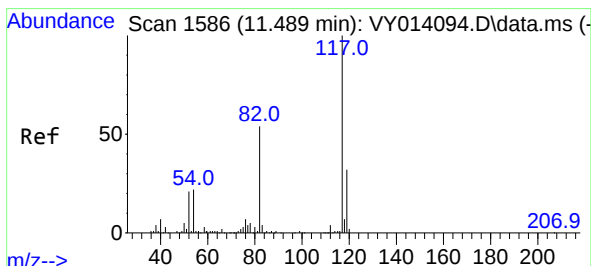
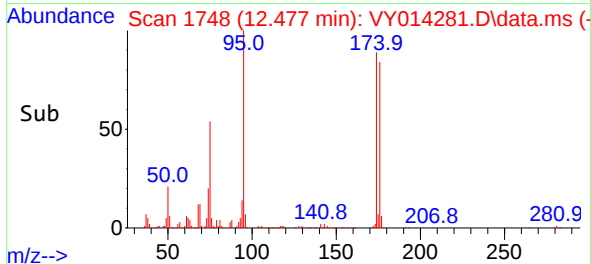
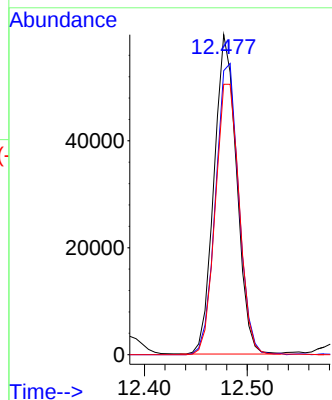
#62
4-Bromofluorobenzene
Concen: 35.679 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014281.D
Acq: 20 Jun 2023 14:22

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-5-4-10W



Tgt Ion: 95 Resp: 91244

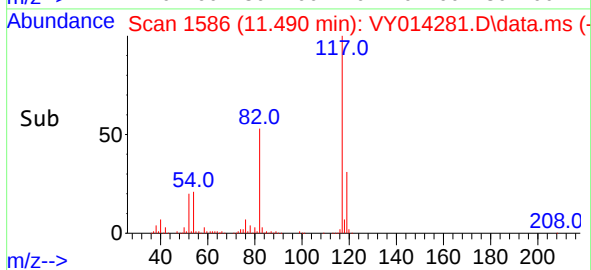
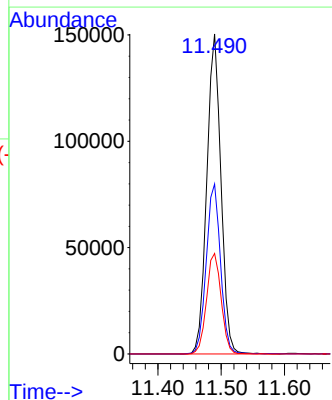
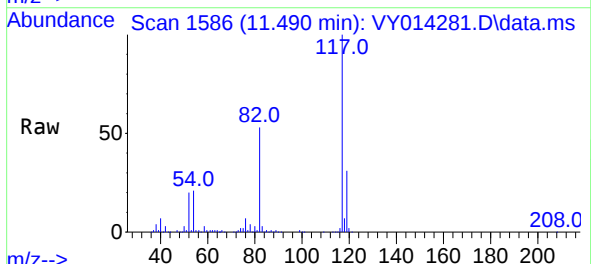
Ion	Ratio	Lower	Upper
95	100		
174	93.1	0.0	178.2
176	89.5	0.0	173.8

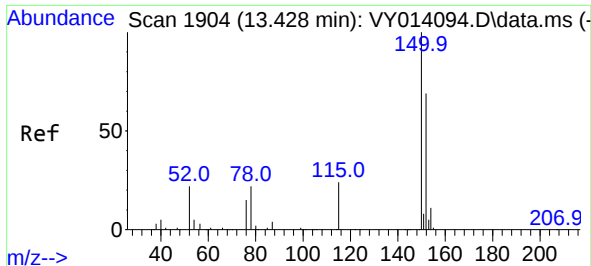


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014281.D
Acq: 20 Jun 2023 14:22

Tgt Ion: 117 Resp: 234211

Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.4	65.0
119	31.4	26.3	39.5

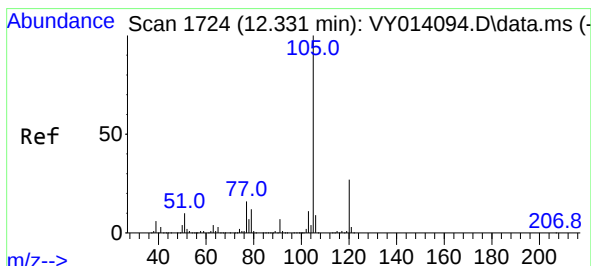
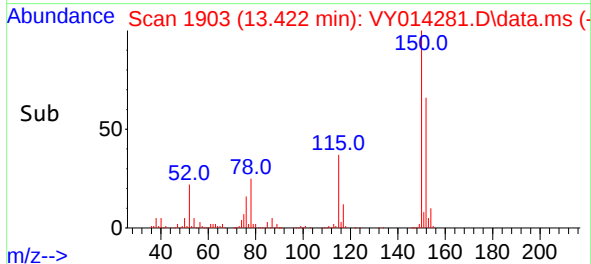
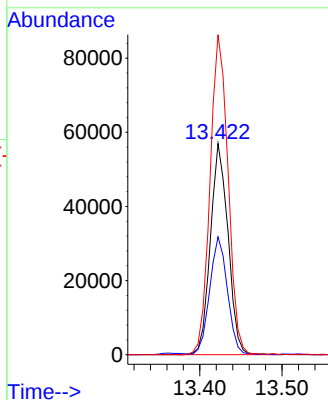
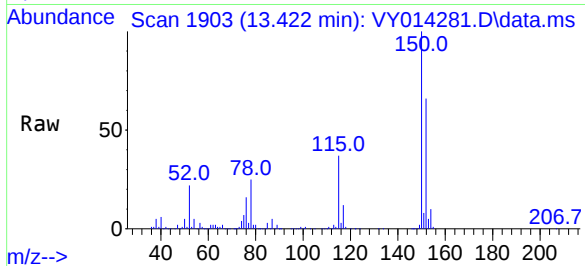




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY014281.D
Acq: 20 Jun 2023 14:22

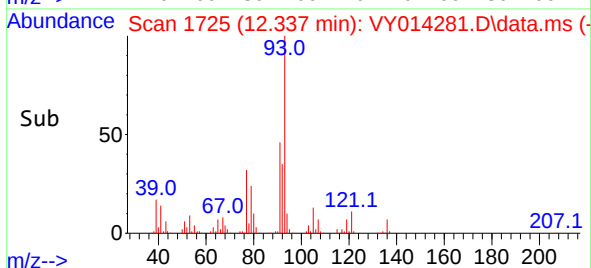
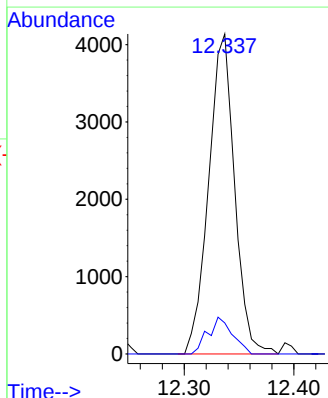
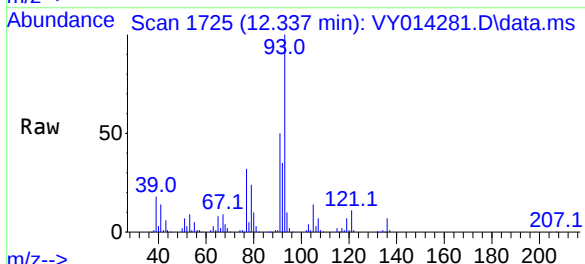
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-5-4-10W

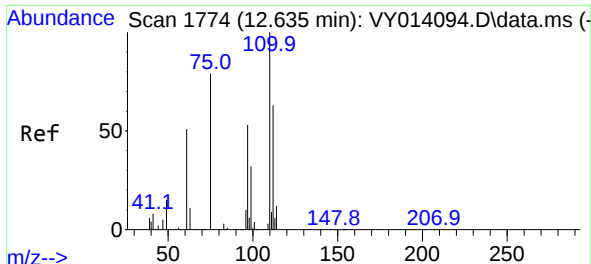
Tgt Ion:152 Resp: 84819
Ion Ratio Lower Upper
152 100
115 56.2 28.8 86.5
150 154.8 0.0 348.8



#73
Isopropylbenzene
Concen: 1.053 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY014281.D
Acq: 20 Jun 2023 14:22

Tgt Ion:105 Resp: 6815
Ion Ratio Lower Upper
105 100
120 10.8 13.3 39.9#

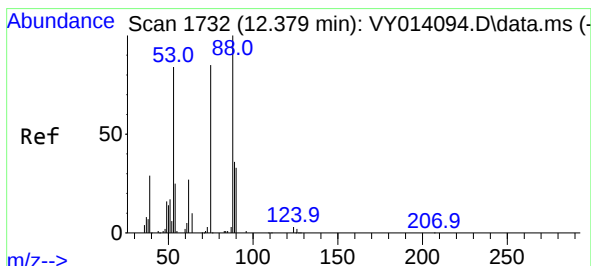
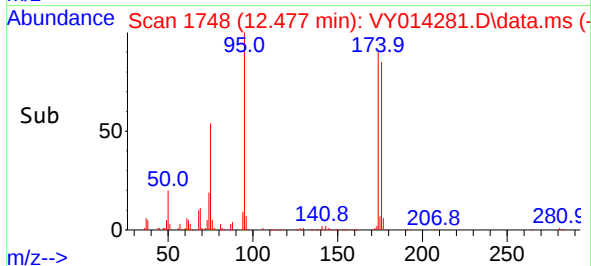
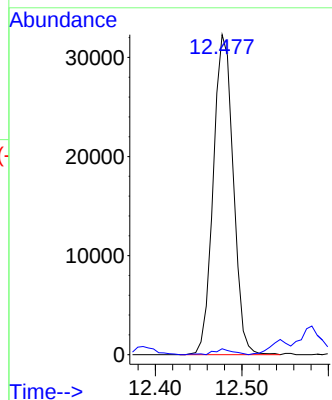
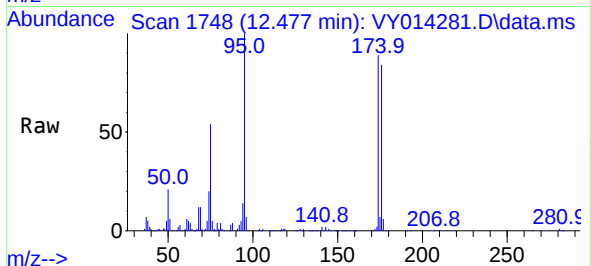




#76
1,2,3-Trichloropropane
Concen: 46.518 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014281.D
Acq: 20 Jun 2023 14:22

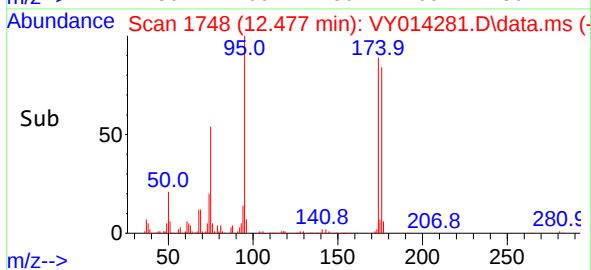
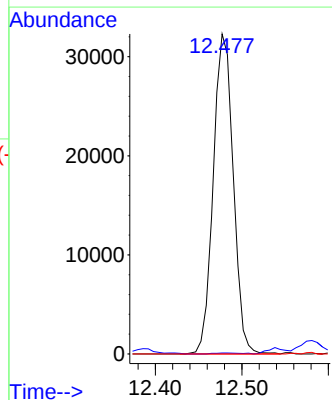
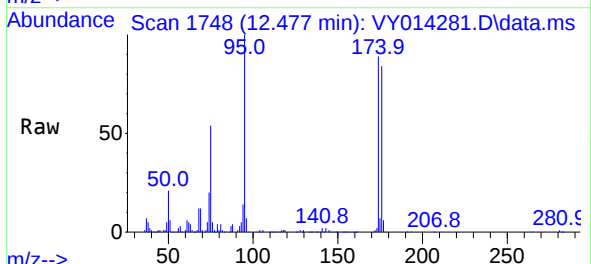
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-5-4-10W

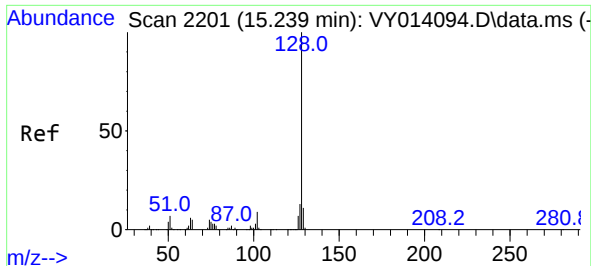
Tgt Ion: 75 Resp: 51766
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.555 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014281.D
Acq: 20 Jun 2023 14:22

Tgt Ion: 75 Resp: 51766
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 7.733 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY014281.D

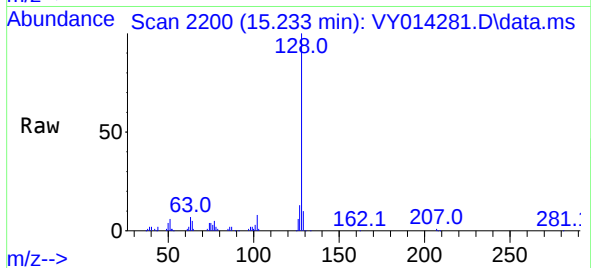
Acq: 20 Jun 2023 14:22

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TP6-5-4-10W



Tgt Ion:128 Resp: 28999

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

129 11.8 8.6 13.0

