

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014320.D
 Acq On : 21 Jun 2023 06:44
 Operator : KP/MD
 Sample : 03329-12
 Misc : 5.30g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW03-8-15-GRAB-7

Quant Time: Jun 21 07:48:22 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)

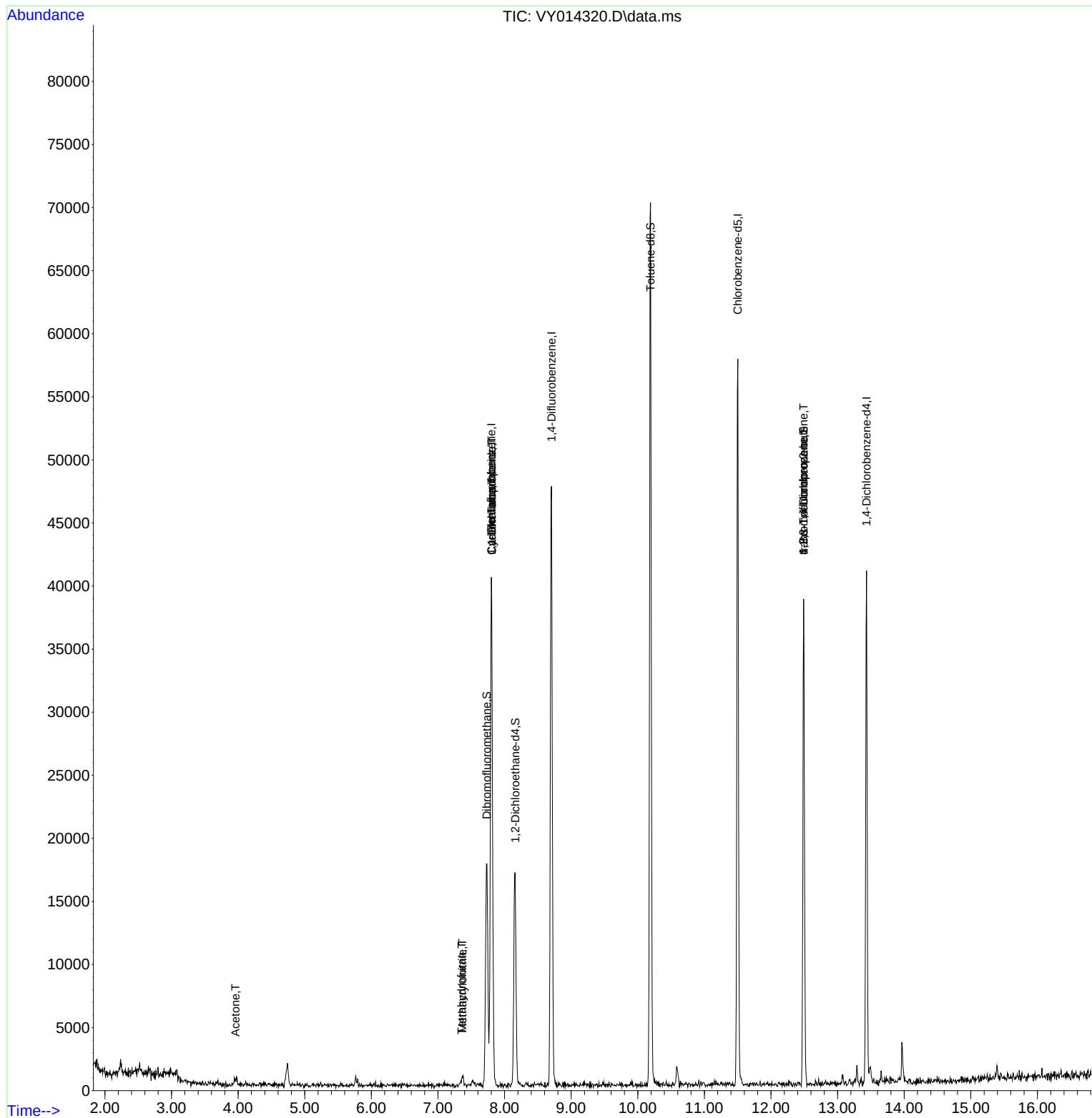
Internal Standards						
1) Pentafluorobenzene	7.801	168	31497	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.704	114	40772	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	31274	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	11249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	15142	34.523	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	69.040%
35) Dibromofluoromethane	7.734	113	12611	43.615	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.220%
50) Toluene-d8	10.191	98	47227	43.688	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.380%
62) 4-Bromofluorobenzene	12.489	95	10280	26.771	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	53.540%
Target Compounds						
					Qvalue	
16) Acetone	3.960	43	1058	8.003	ug/l #	85
20) Methylene Chloride	4.729	84	1126	Below Cal	#	75
29) Tetrahydrofuran	7.356	42	233	2.258	ug/l #	35
31) Cyclohexane	7.807	56	664	1.130	ug/l #	50
36) 1,1-Dichloropropene	7.807	75	2354	5.222	ug/l #	46
38) Carbon Tetrachloride	7.807	117	3065	5.892	ug/l #	12
41) Methacrylonitrile	7.368	41	279	1.758	ug/l #	41
76) 1,2,3-Trichloropropane	12.489	75	5428	36.779	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	5428	79.502	ug/l #	10

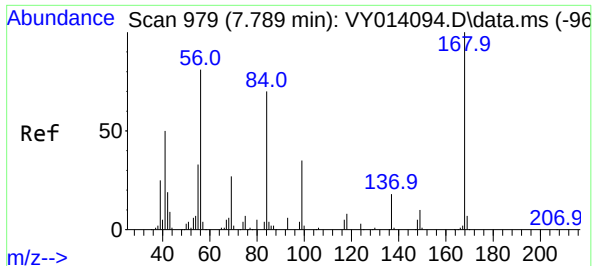
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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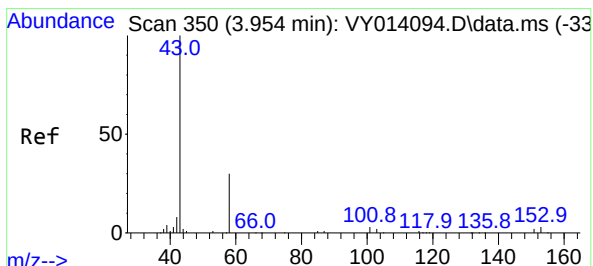
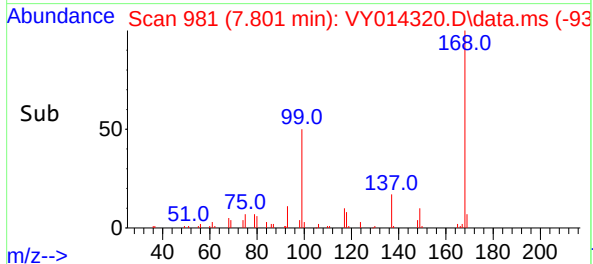
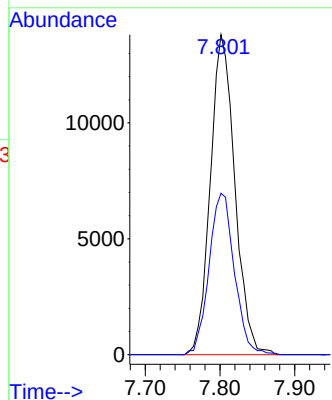
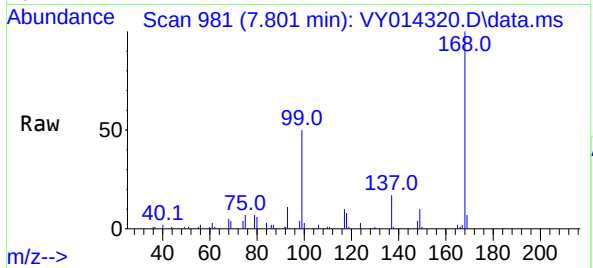




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014320.D
Acq: 21 Jun 2023 06:44

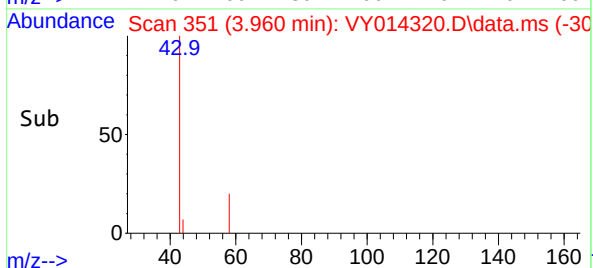
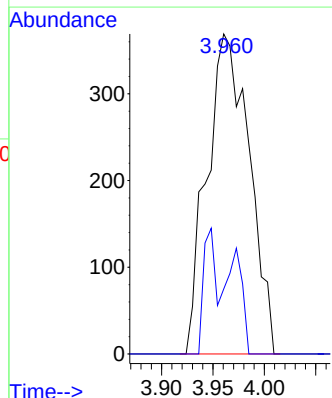
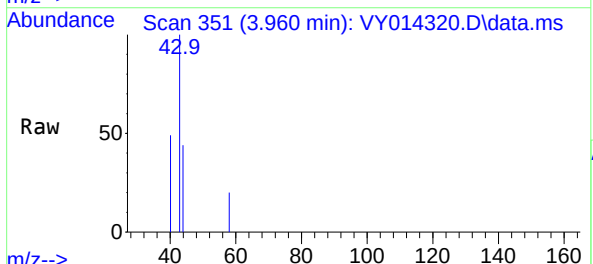
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-8-15-GRAB-7

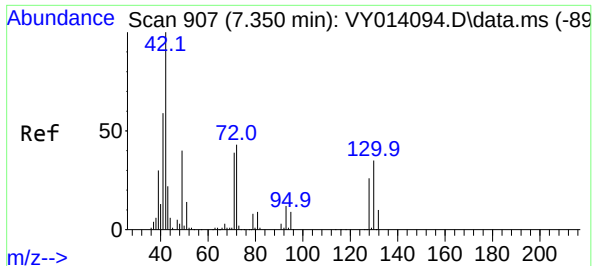
Tgt Ion:168 Resp: 31497
Ion Ratio Lower Upper
168 100
99 50.4 43.4 65.0



#16
Acetone
Concen: 8.003 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY014320.D
Acq: 21 Jun 2023 06:44

Tgt Ion: 43 Resp: 1058
Ion Ratio Lower Upper
43 100
58 20.3 22.7 34.1#

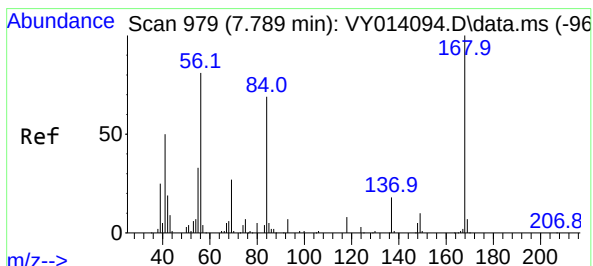
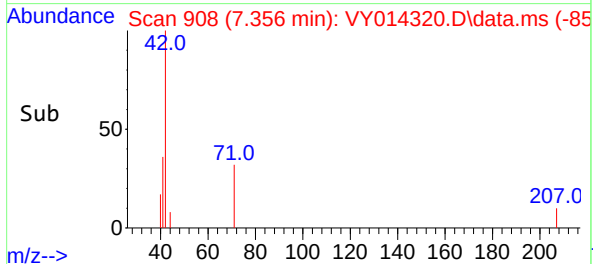
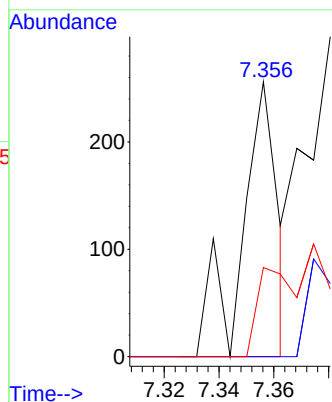
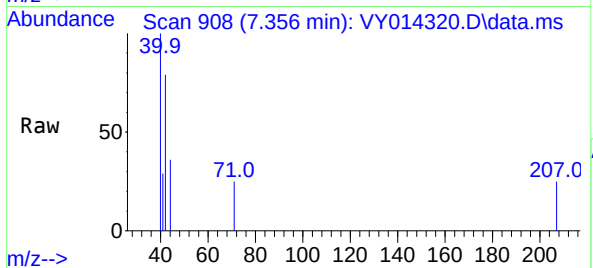




#29
Tetrahydrofuran
Concen: 2.258 ug/l
RT: 7.356 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY014320.D
Acq: 21 Jun 2023 06:44

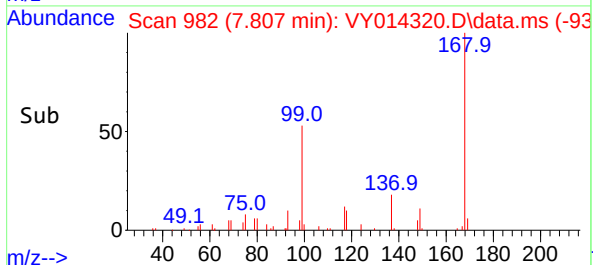
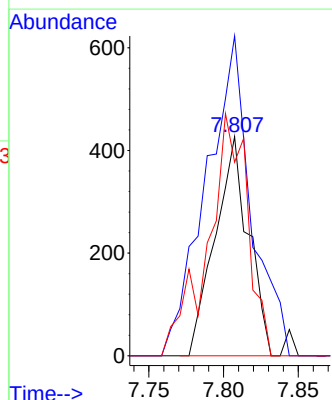
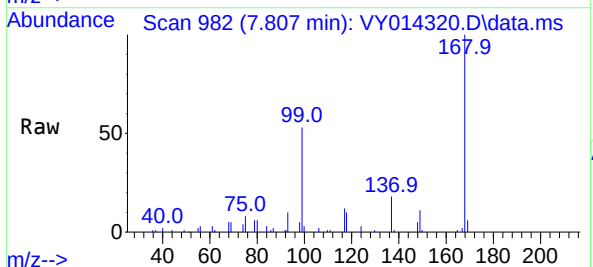
Instrument :
MSVOA_Y
ClientSampleId :
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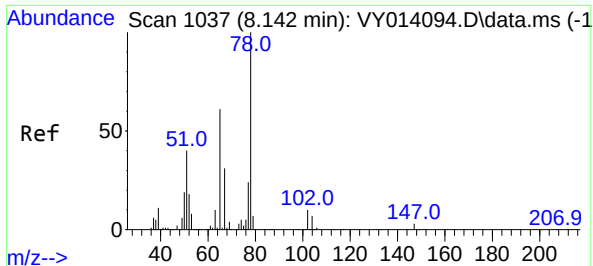
Tgt Ion: 42 Resp: 233
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 0.0 31.0 46.4#



#31
Cyclohexane
Concen: 1.130 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.018 min
Lab File: VY014320.D
Acq: 21 Jun 2023 06:44

Tgt Ion: 56 Resp: 664
Ion Ratio Lower Upper
56 100
69 124.4 27.8 41.6#
84 88.3 66.4 99.6

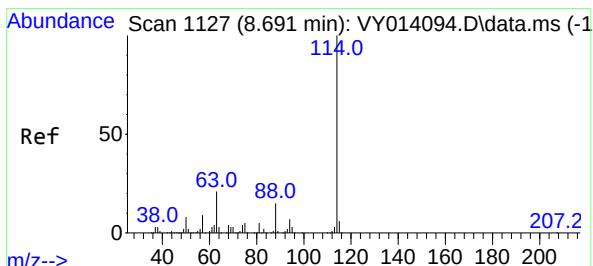
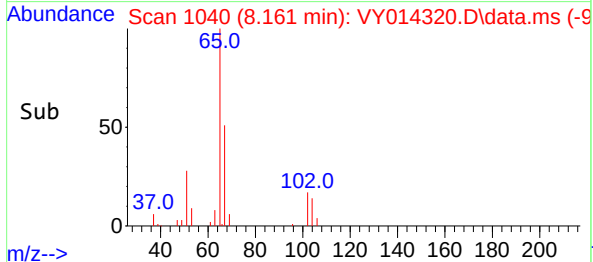
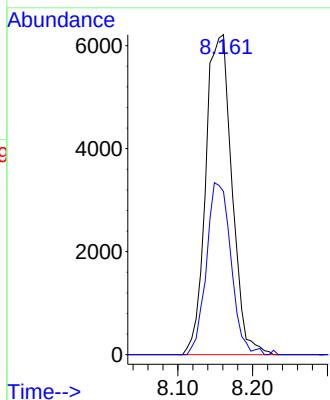
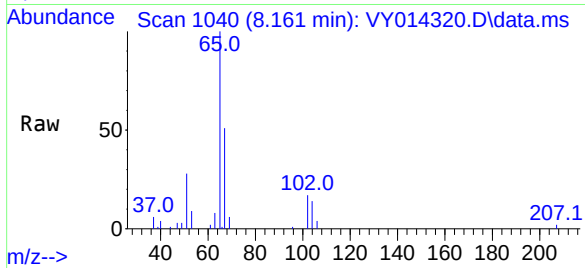




#33
1,2-Dichloroethane-d4
Concen: 34.523 ug/l
RT: 8.161 min Scan# 1037
Delta R.T. 0.019 min
Lab File: VY014320.D
Acq: 21 Jun 2023 06:44

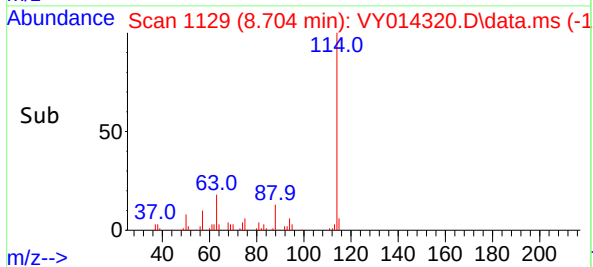
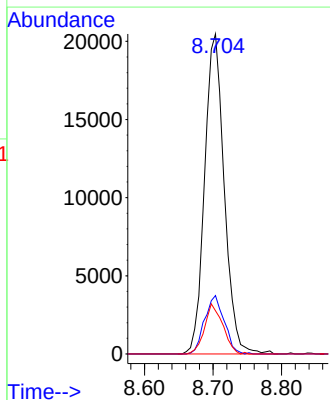
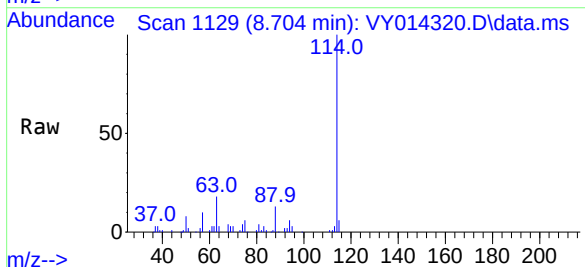
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SW03-8-15-GRAB-7

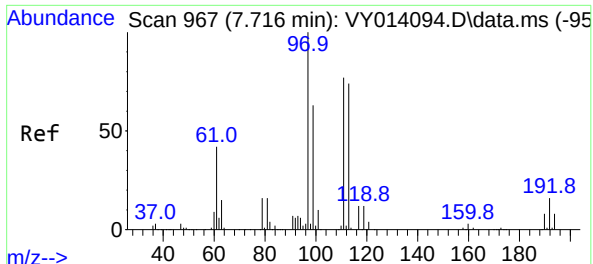
Tgt Ion: 65 Resp: 15142
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.704 min Scan# 1129
Delta R.T. 0.013 min
Lab File: VY014320.D
Acq: 21 Jun 2023 06:44

Tgt Ion: 114 Resp: 40772
Ion Ratio Lower Upper
114 100
63 18.3 0.0 42.4
88 13.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 43.615 ug/l

RT: 7.734 min Scan# 91

Delta R.T. 0.018 min

Lab File: VY014320.D

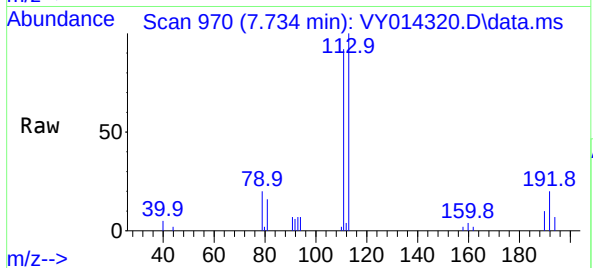
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Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW03-8-15-GRAB-7



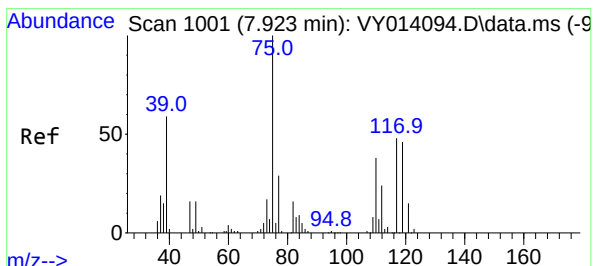
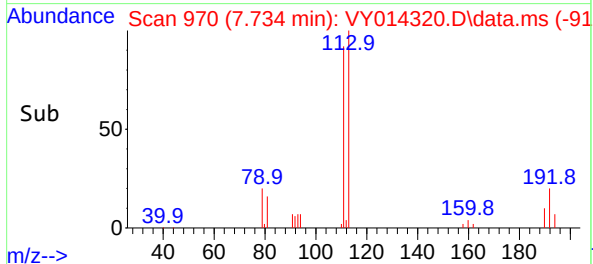
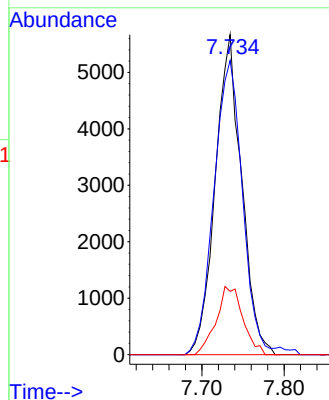
Tgt Ion:113 Resp: 12611

Ion Ratio Lower Upper

113 100

111 100.6 81.3 121.9

192 21.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.222 ug/l

RT: 7.807 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY014320.D

Acq: 21 Jun 2023 06:44

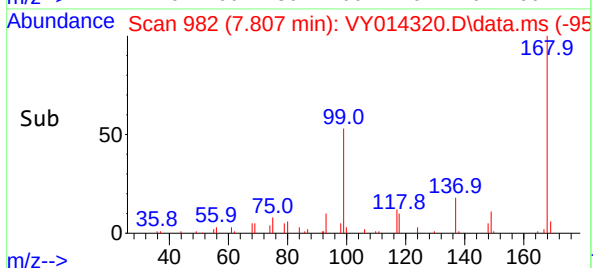
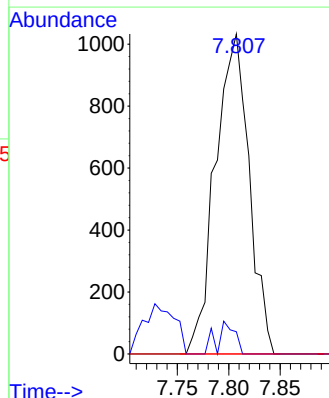
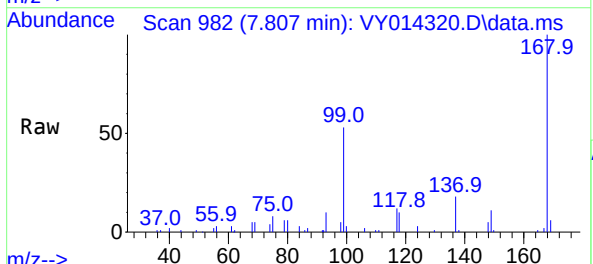
Tgt Ion: 75 Resp: 2354

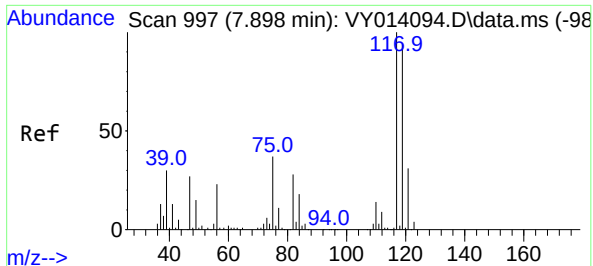
Ion Ratio Lower Upper

75 100

110 5.3 17.8 53.5#

77 0.0 24.4 36.6#

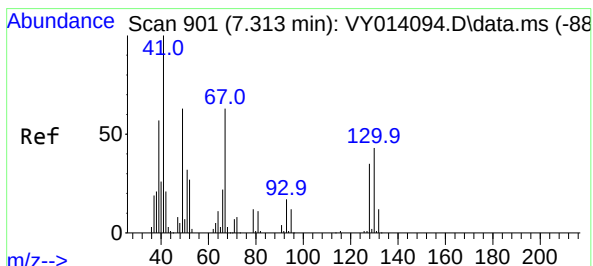
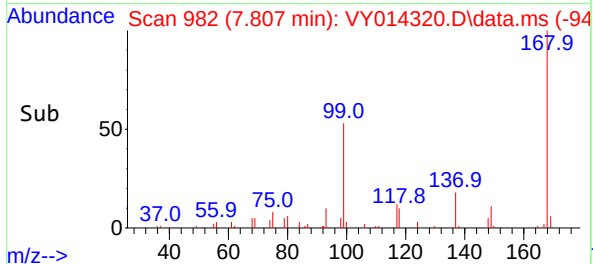
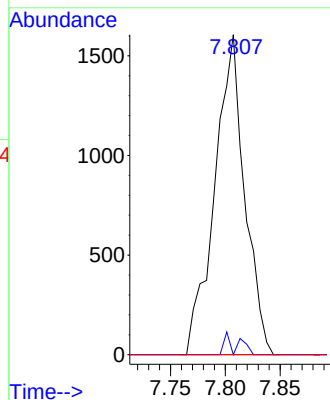
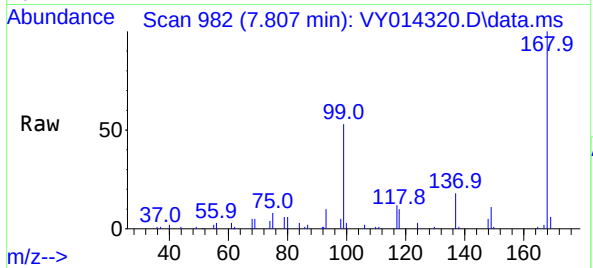




#38
Carbon Tetrachloride
Concen: 5.892 ug/l
RT: 7.807 min Scan# 910
Delta R.T. -0.091 min
Lab File: VY014320.D
Acq: 21 Jun 2023 06:44

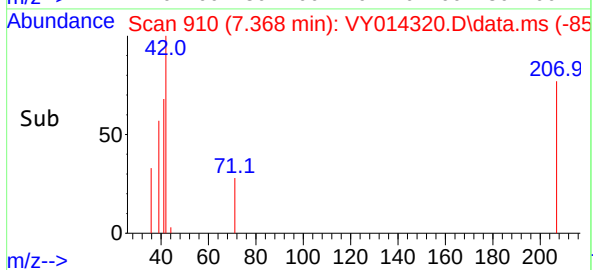
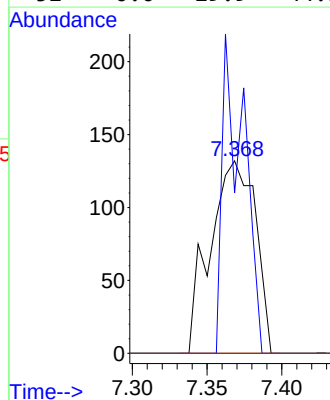
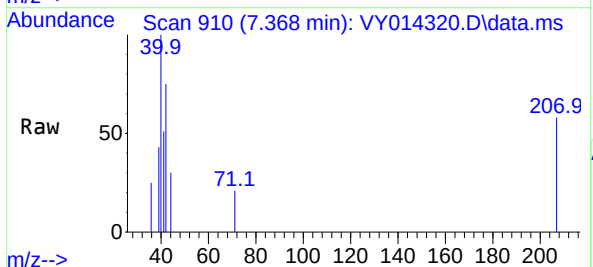
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SW03-8-15-GRAB-7

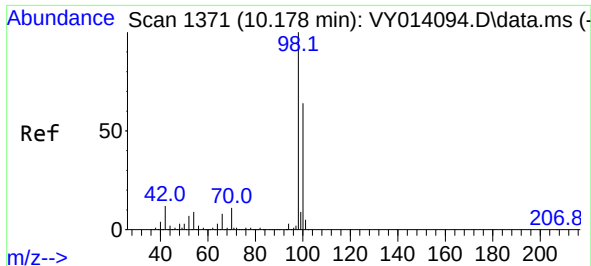
Tgt Ion:117 Resp: 3065
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.758 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.055 min
Lab File: VY014320.D
Acq: 21 Jun 2023 06:44

Tgt Ion: 41 Resp: 279
Ion Ratio Lower Upper
41 100
39 77.8 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

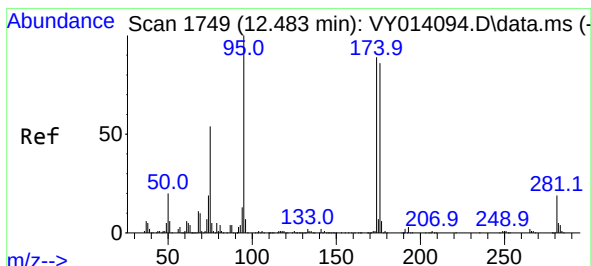
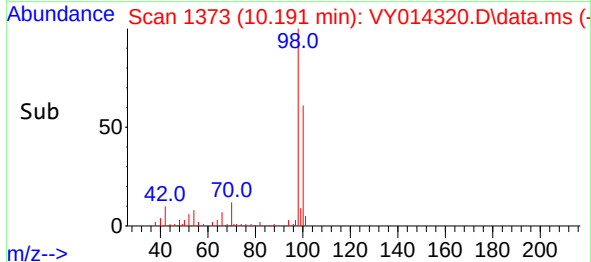
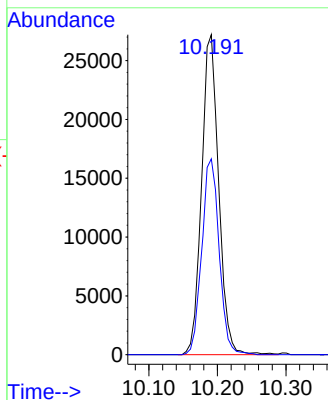
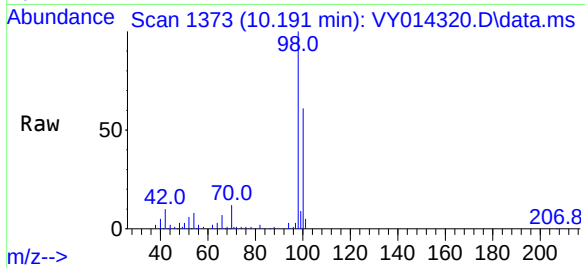




#50
Toluene-d8
Concen: 43.688 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014320.D
Acq: 21 Jun 2023 06:44

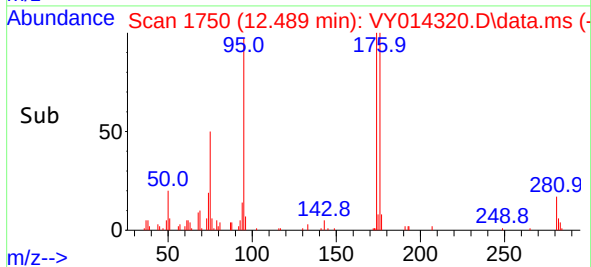
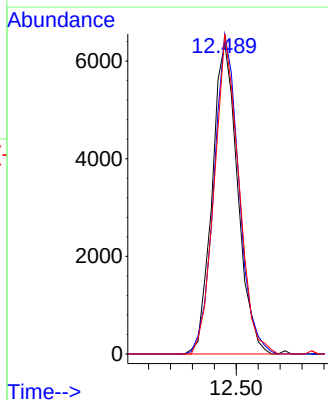
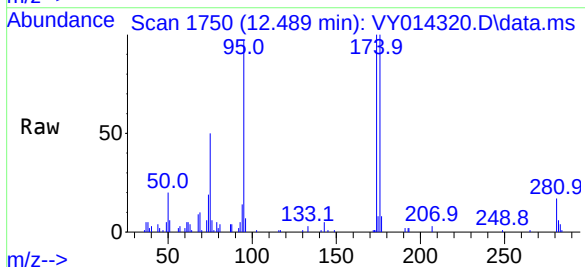
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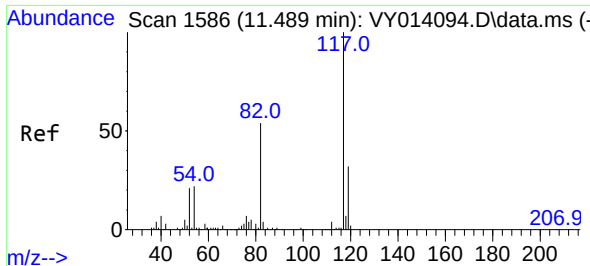
Tgt Ion: 98 Resp: 47227
Ion Ratio Lower Upper
98 100
100 62.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 26.771 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014320.D
Acq: 21 Jun 2023 06:44

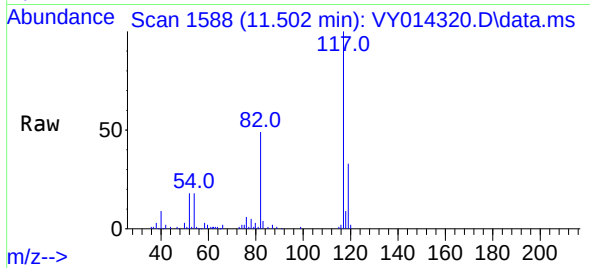
Tgt Ion: 95 Resp: 10280
Ion Ratio Lower Upper
95 100
174 100.7 0.0 178.2
176 98.7 0.0 173.8



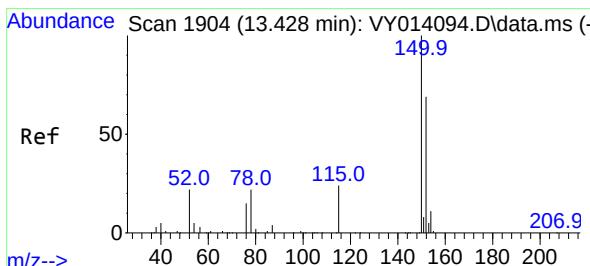
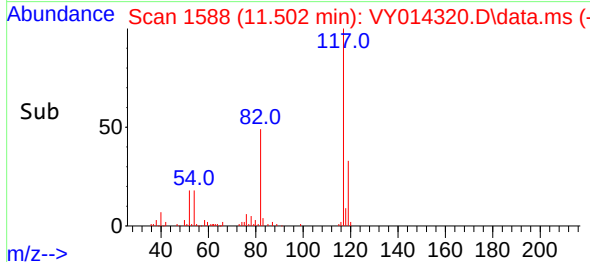
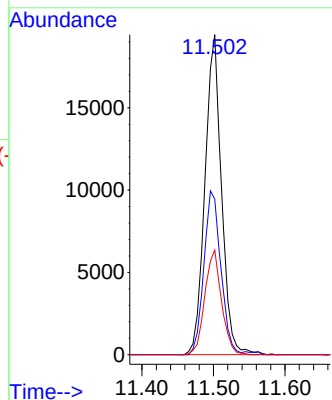


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11588
Delta R.T. 0.013 min
Lab File: VY014320.D
Acq: 21 Jun 2023 06:44

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-8-15-GRAB-7

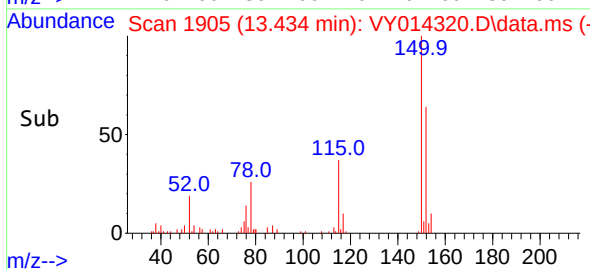
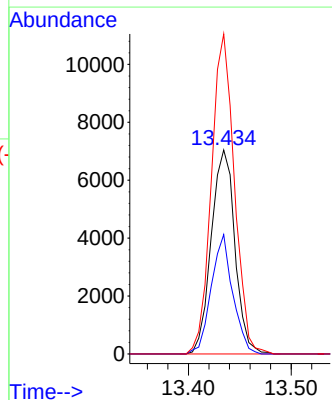
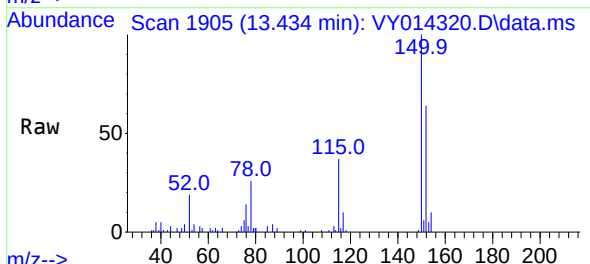


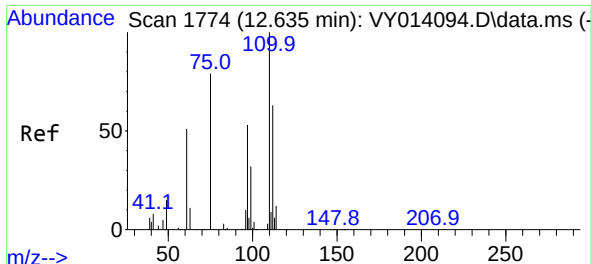
Tgt Ion:	117	Resp:	31274
Ion	Ratio	Lower	Upper
117	100		
82	48.6	43.4	65.0
119	32.7	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY014320.D
Acq: 21 Jun 2023 06:44

Tgt Ion:	152	Resp:	11249
Ion	Ratio	Lower	Upper
152	100		
115	53.2	28.8	86.5
150	152.6	0.0	348.8

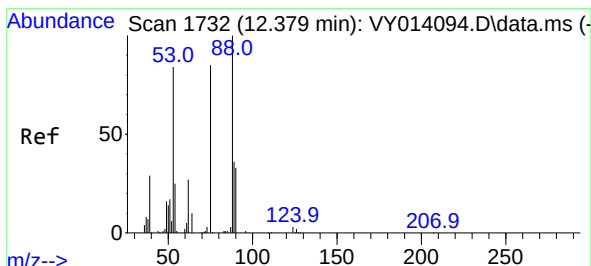
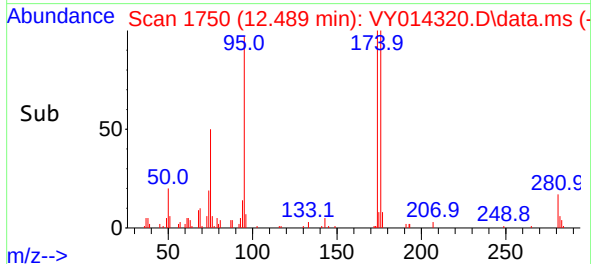
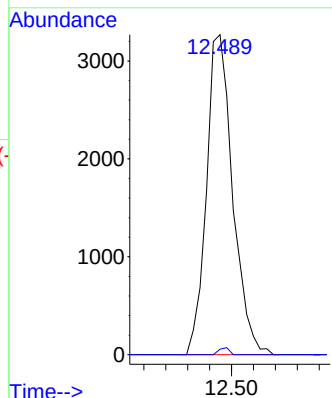
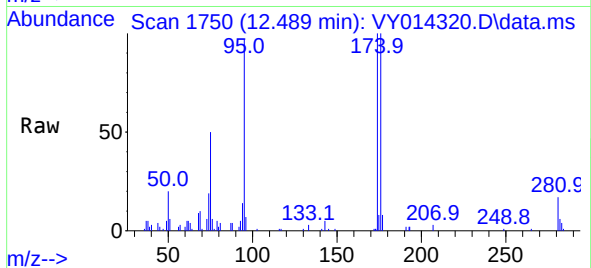




#76
1,2,3-Trichloropropane
Concen: 36.779 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014320.D
Acq: 21 Jun 2023 06:44

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-8-15-GRAB-7

Tgt Ion: 75 Resp: 5428
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.502 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY014320.D
Acq: 21 Jun 2023 06:44

Tgt Ion: 75 Resp: 5428
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

