

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061423\
 Data File : VY014174.D
 Acq On : 14 Jun 2023 23:18
 Operator : KP/MD
 Sample : 03224-16
 Misc : 9.70g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-15-GRAB-6

Quant Time: Jun 15 01:49:57 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)

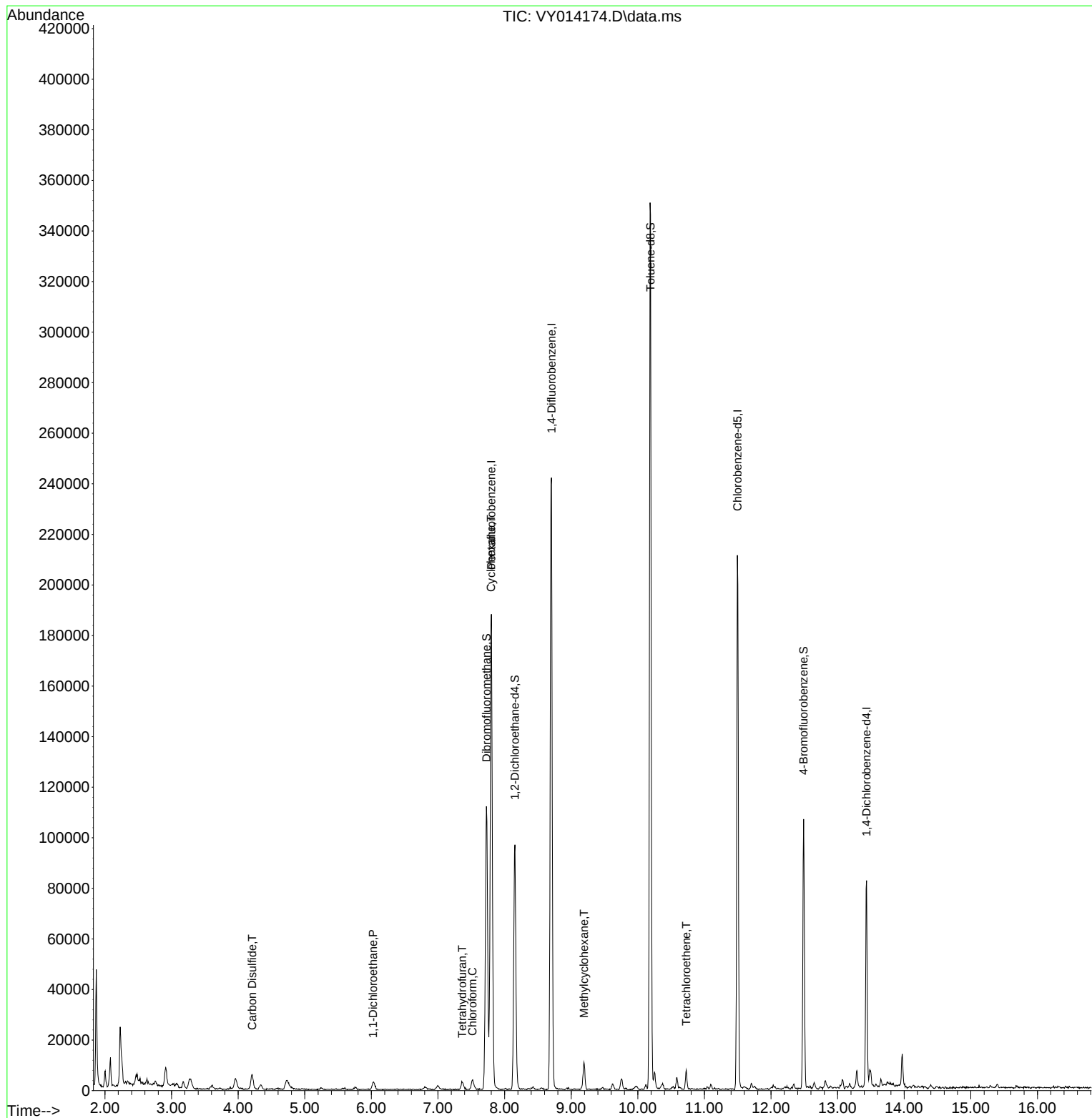
Internal Standards						
1) Pentafluorobenzene	7.801	168	138206	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	204974	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	114780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	21406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	79567	41.343	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.680%
35) Dibromofluoromethane	7.728	113	74818	51.470	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.940%
50) Toluene-d8	10.191	98	227306	41.826	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	83.660%
62) 4-Bromofluorobenzene	12.489	95	27615	14.305	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	28.600%#
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.210	76	11253	2.201	ug/l	98
24) 1,1-Dichloroethane	6.027	63	4348	1.377	ug/l	100
29) Tetrahydrofuran	7.362	42	2081	4.596	ug/l #	92
30) Chloroform	7.515	83	3360	1.003	ug/l	94
31) Cyclohexane	7.795	56	5381	2.087	ug/l #	65
39) Methylcyclohexane	9.191	83	3878	1.542	ug/l	95
64) Tetrachloroethene	10.727	164	1431	1.463	ug/l	88

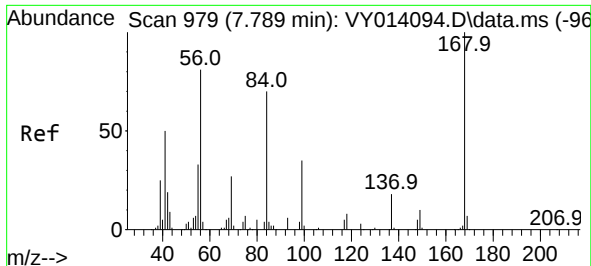
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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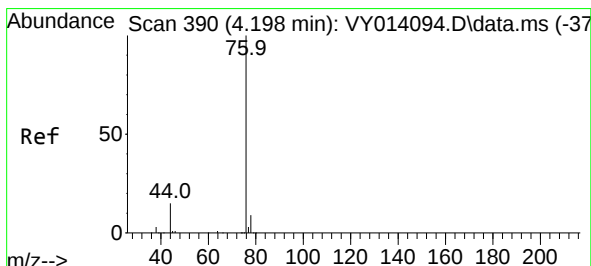
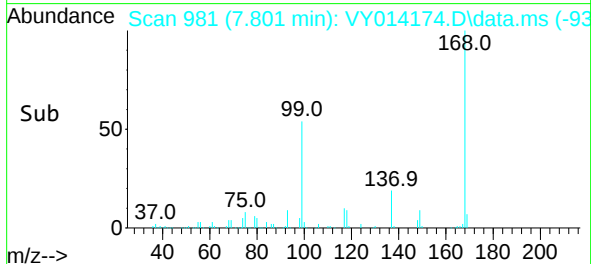
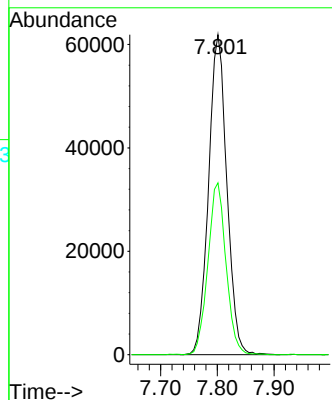
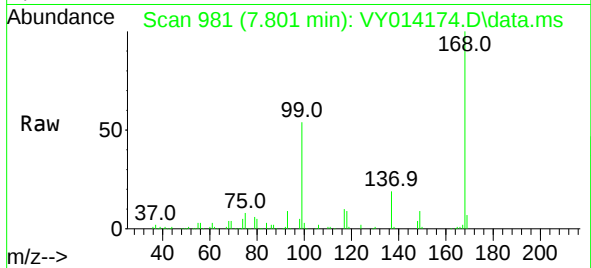




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY014174.D
Acq: 14 Jun 2023 23:18

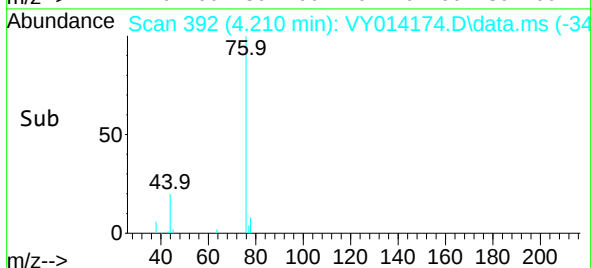
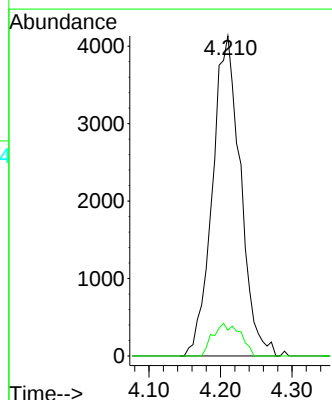
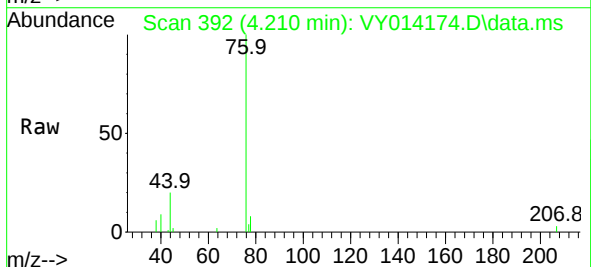
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-15-GRAB-6

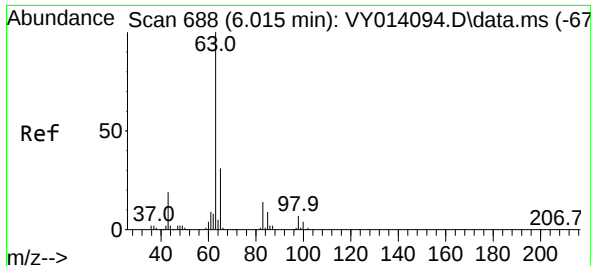
Tgt Ion:168 Resp: 138206
Ion Ratio Lower Upper
168 100
99 53.7 43.4 65.0



#17
Carbon Disulfide
Concen: 2.201 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.012 min
Lab File: VY014174.D
Acq: 14 Jun 2023 23:18

Tgt Ion: 76 Resp: 11253
Ion Ratio Lower Upper
76 100
78 8.1 7.0 10.4

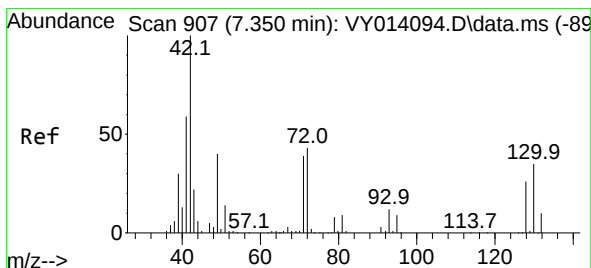
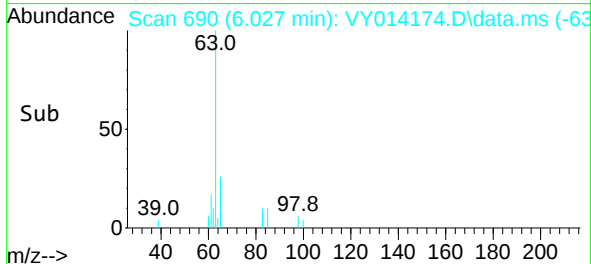
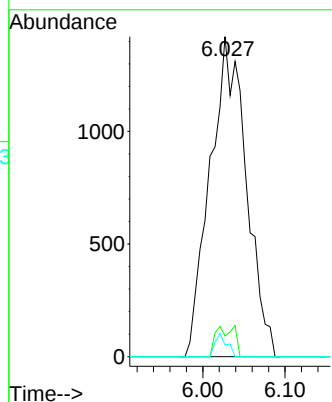
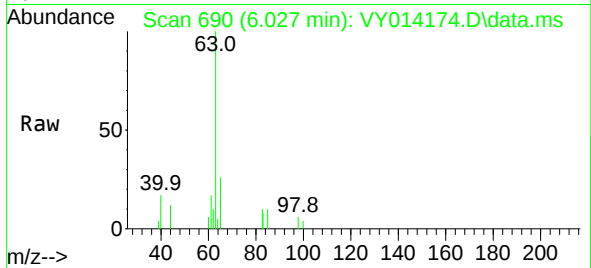




#24
1,1-Dichloroethane
Concen: 1.377 ug/l
RT: 6.027 min Scan# 61
Delta R.T. 0.012 min
Lab File: VY014174.D
Acq: 14 Jun 2023 23:18

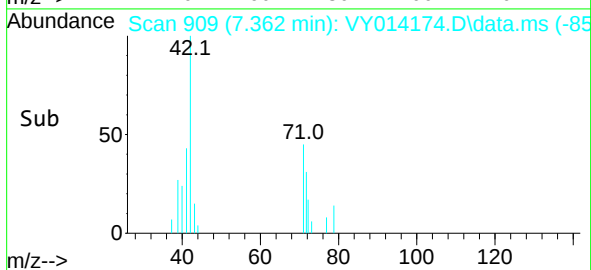
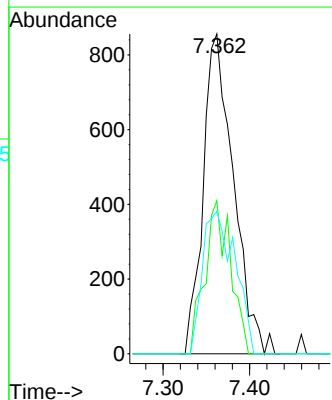
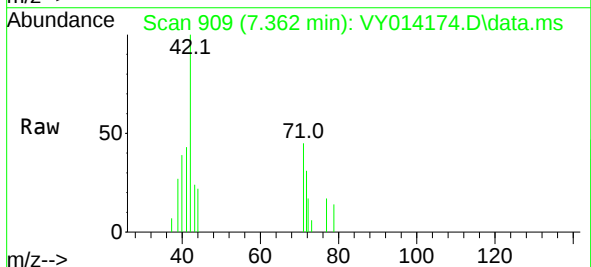
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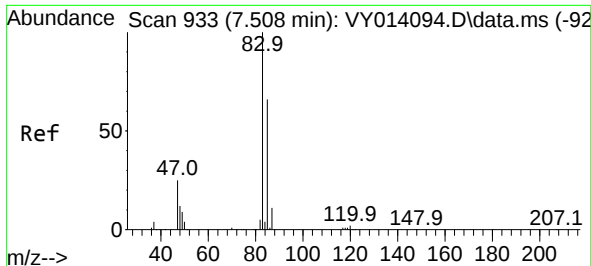
Tgt Ion: 63	Resp:	4348
Ion Ratio	Lower	Upper
63	100	
98	6.5	3.1 9.4
100	3.7	1.8 5.5



#29
Tetrahydrofuran
Concen: 4.596 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.012 min
Lab File: VY014174.D
Acq: 14 Jun 2023 23:18

Tgt Ion: 42	Resp:	2081
Ion Ratio	Lower	Upper
42	100	
72	40.7	32.8 49.2
71	47.9	31.0 46.4

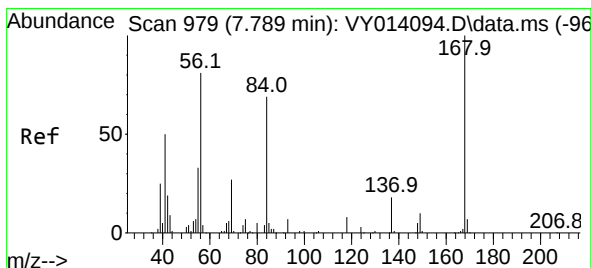
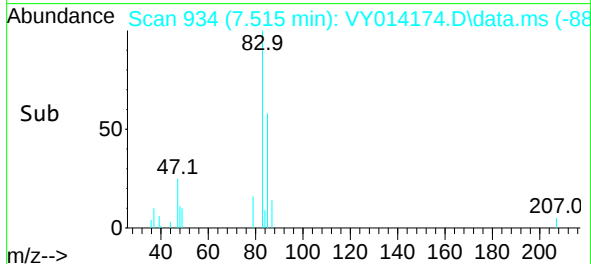
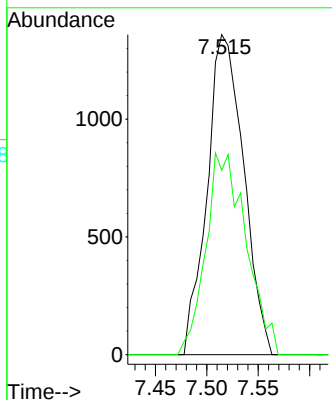
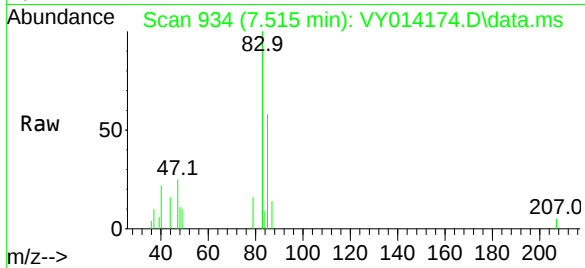




#30
Chloroform
Concen: 1.003 ug/l
RT: 7.515 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014174.D
Acq: 14 Jun 2023 23:18

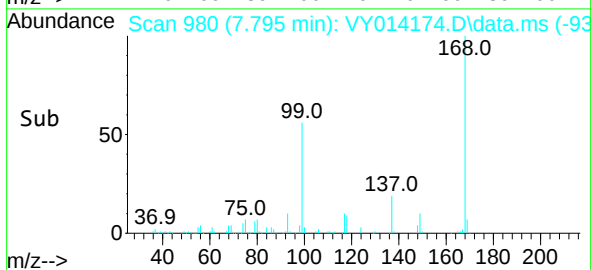
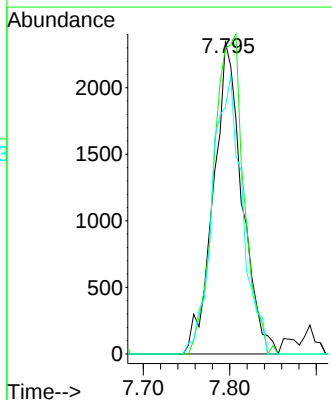
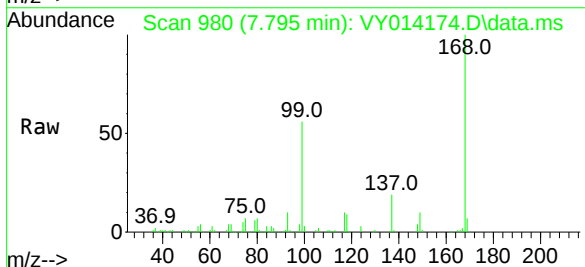
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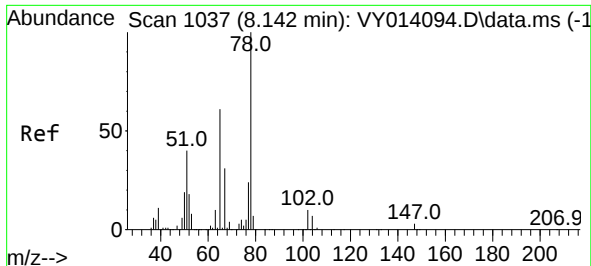
Tgt Ion: 83 Resp: 3360
Ion Ratio Lower Upper
83 100
85 57.6 49.7 74.5



#31
Cyclohexane
Concen: 2.087 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY014174.D
Acq: 14 Jun 2023 23:18

Tgt Ion: 56 Resp: 5381
Ion Ratio Lower Upper
56 100
69 98.2 27.8 41.6#
84 79.2 66.4 99.6

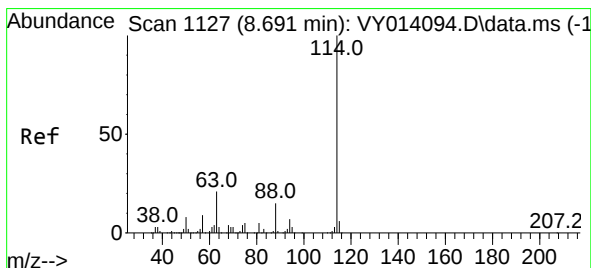
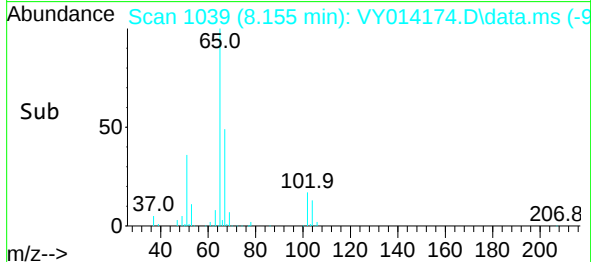
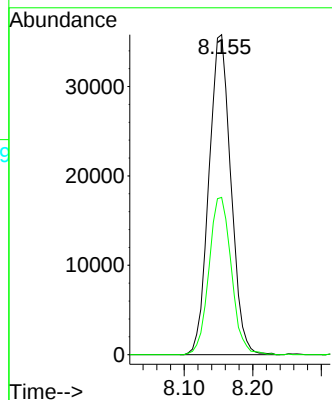
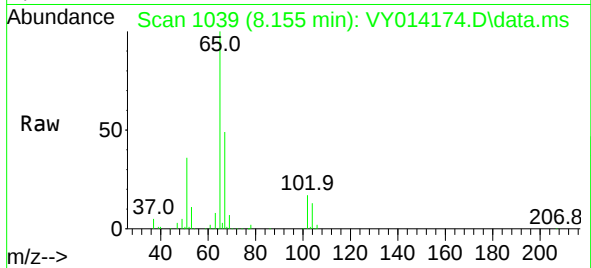




#33
1,2-Dichloroethane-d4
Concen: 41.343 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014174.D
Acq: 14 Jun 2023 23:18

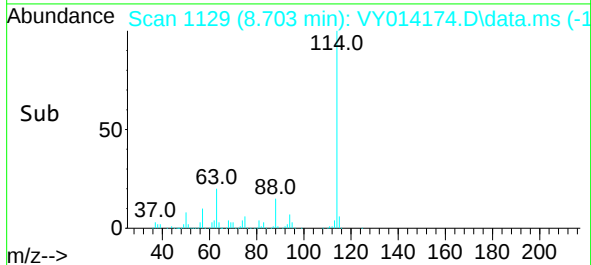
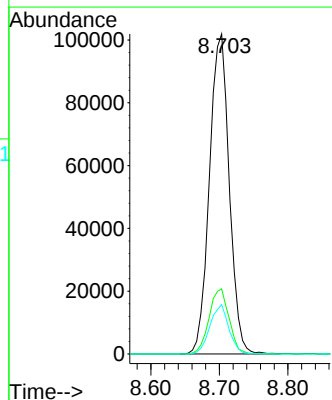
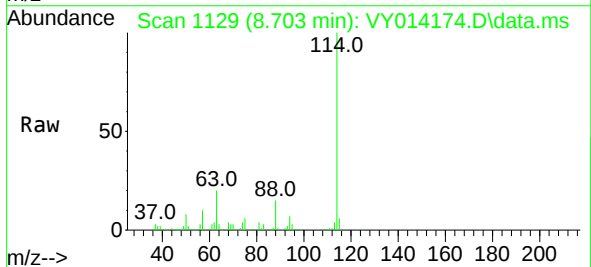
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-15-GRAB-6

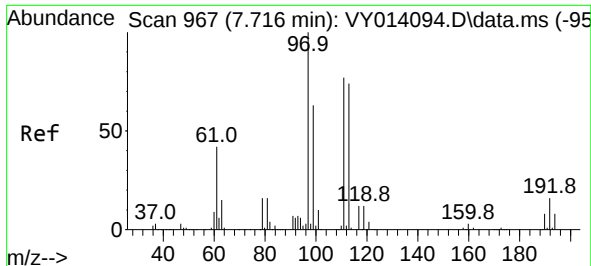
Tgt Ion: 65 Resp: 79567
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1129
Delta R.T. 0.012 min
Lab File: VY014174.D
Acq: 14 Jun 2023 23:18

Tgt Ion: 114 Resp: 204974
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.4
88 15.4 0.0 30.6

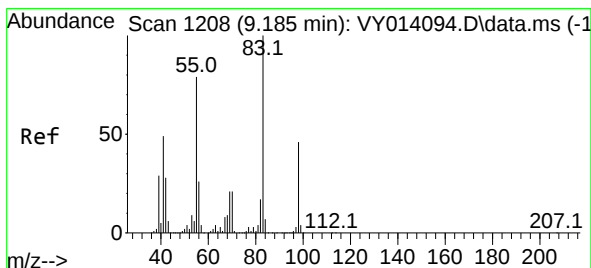
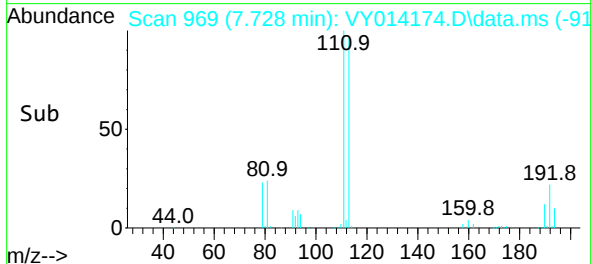
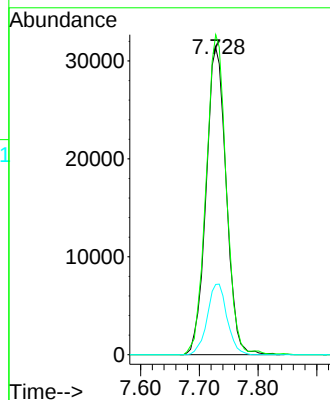
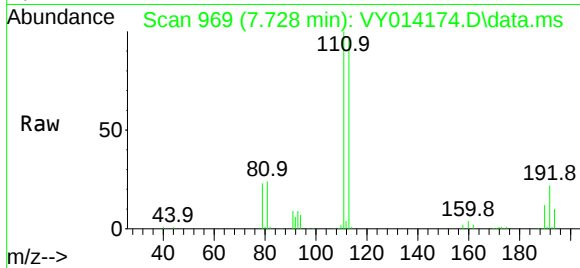




#35
Dibromofluoromethane
Concen: 51.470 ug/l
RT: 7.728 min Scan# 967
Delta R.T. 0.012 min
Lab File: VY014174.D
Acq: 14 Jun 2023 23:18

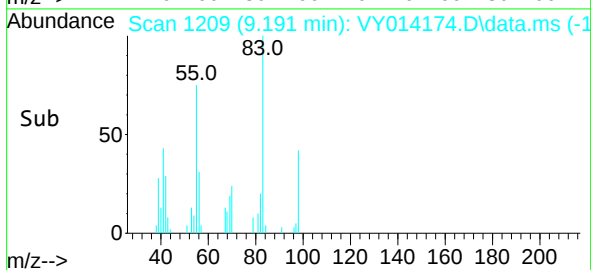
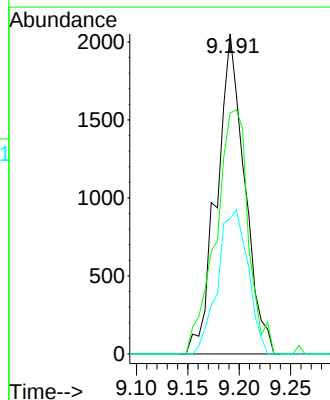
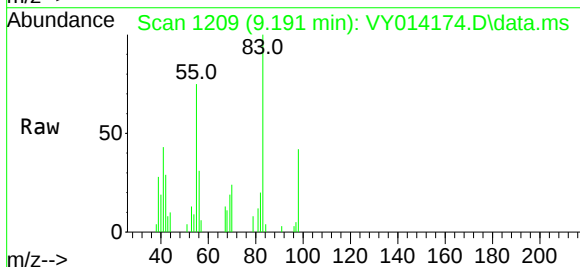
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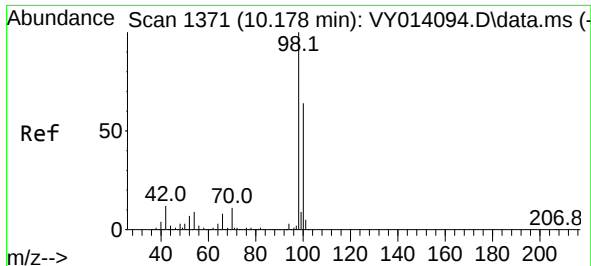
Tgt Ion:113 Resp: 74818
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 22.5 16.9 25.3



#39
Methylcyclohexane
Concen: 1.542 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.006 min
Lab File: VY014174.D
Acq: 14 Jun 2023 23:18

Tgt Ion: 83 Resp: 3878
Ion Ratio Lower Upper
83 100
55 75.3 63.0 94.4
98 42.3 37.4 56.2

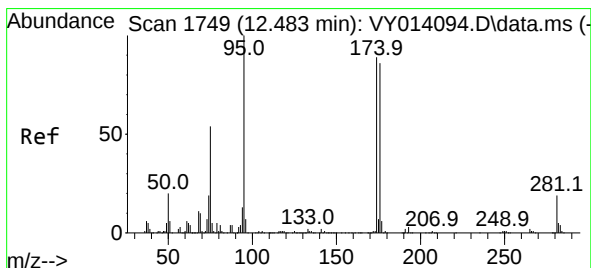
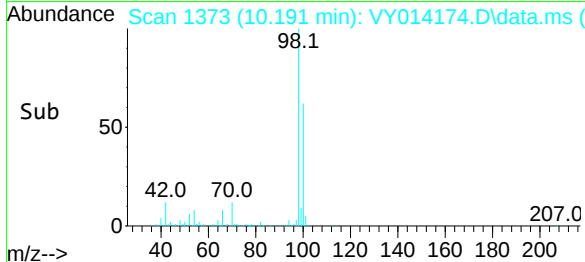
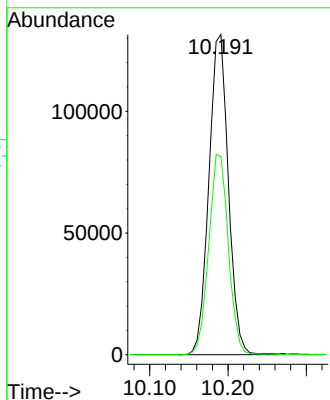
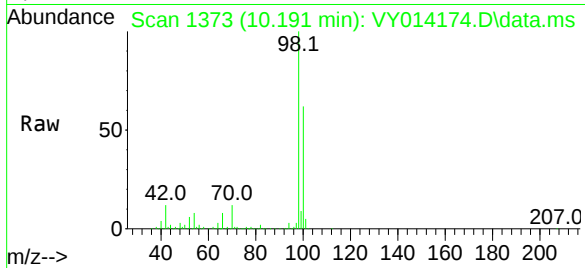




#50
Toluene-d8
Concen: 41.826 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014174.D
Acq: 14 Jun 2023 23:18

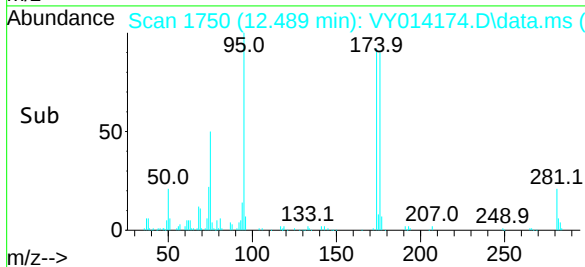
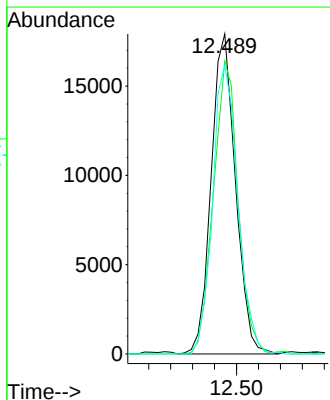
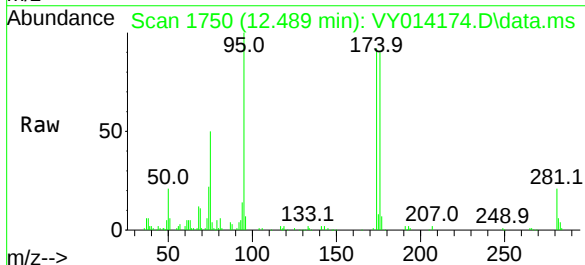
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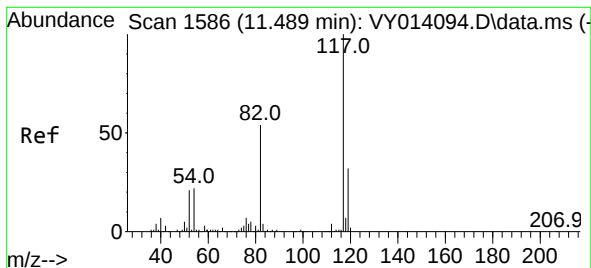
Tgt Ion: 98 Resp: 227306
Ion Ratio Lower Upper
98 100
100 63.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 14.305 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014174.D
Acq: 14 Jun 2023 23:18

Tgt Ion: 95 Resp: 27615
Ion Ratio Lower Upper
95 100
174 92.8 0.0 178.2
176 93.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014174.D

Acq: 14 Jun 2023 23:18

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-15-GRAB-6

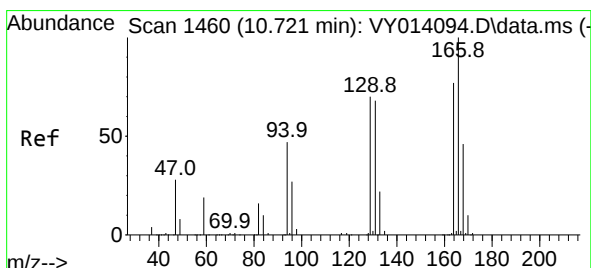
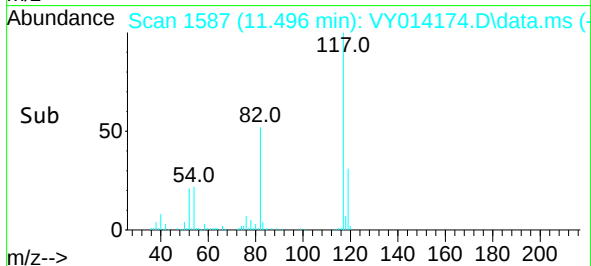
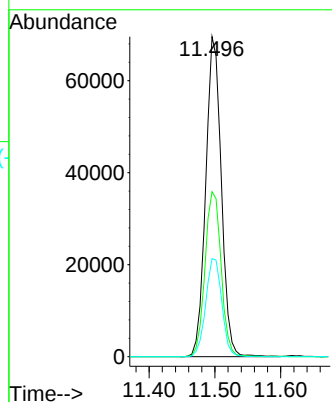
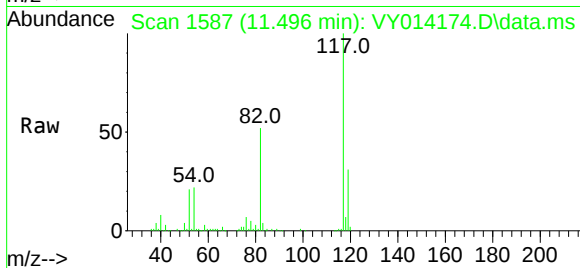
Tgt Ion:117 Resp: 114780

Ion Ratio Lower Upper

117 100

82 51.6 43.4 65.0

119 30.7 26.3 39.5



#64

Tetrachloroethene

Concen: 1.463 ug/l

RT: 10.727 min Scan# 1461

Delta R.T. 0.006 min

Lab File: VY014174.D

Acq: 14 Jun 2023 23:18

Tgt Ion:164 Resp: 1431

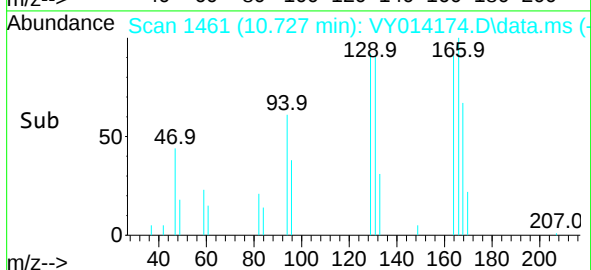
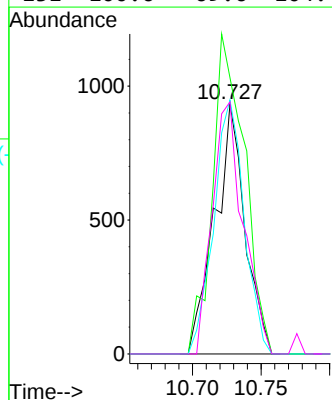
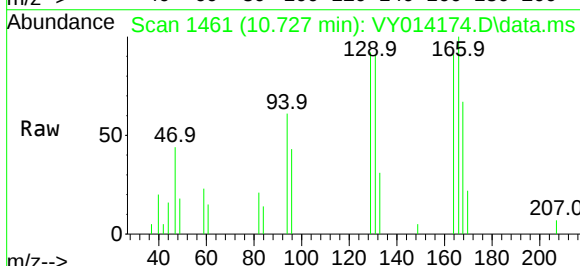
Ion Ratio Lower Upper

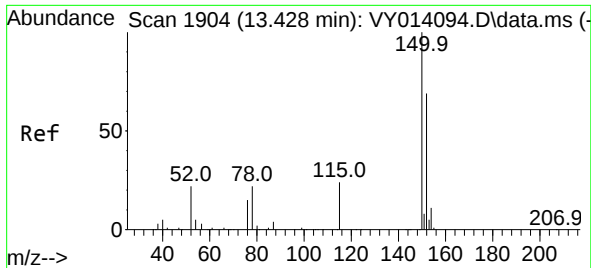
164 100

166 110.4 103.0 154.6

129 101.4 77.2 115.8

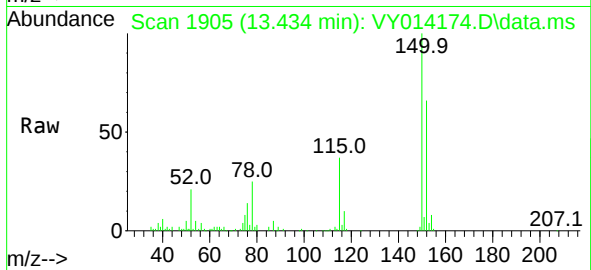
131 100.6 69.6 104.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.006 min
 Lab File: VY014174.D
 Acq: 14 Jun 2023 23:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-15-GRAB-6



Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.8	86.5
150	155.1	0.0	348.8

