

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014310.D
 Acq On : 21 Jun 2023 02:49
 Operator : KP/MD
 Sample : 03328-06
 Misc : 6.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW02-8-15-GRAB-7

Quant Time: Jun 21 05:09:36 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)

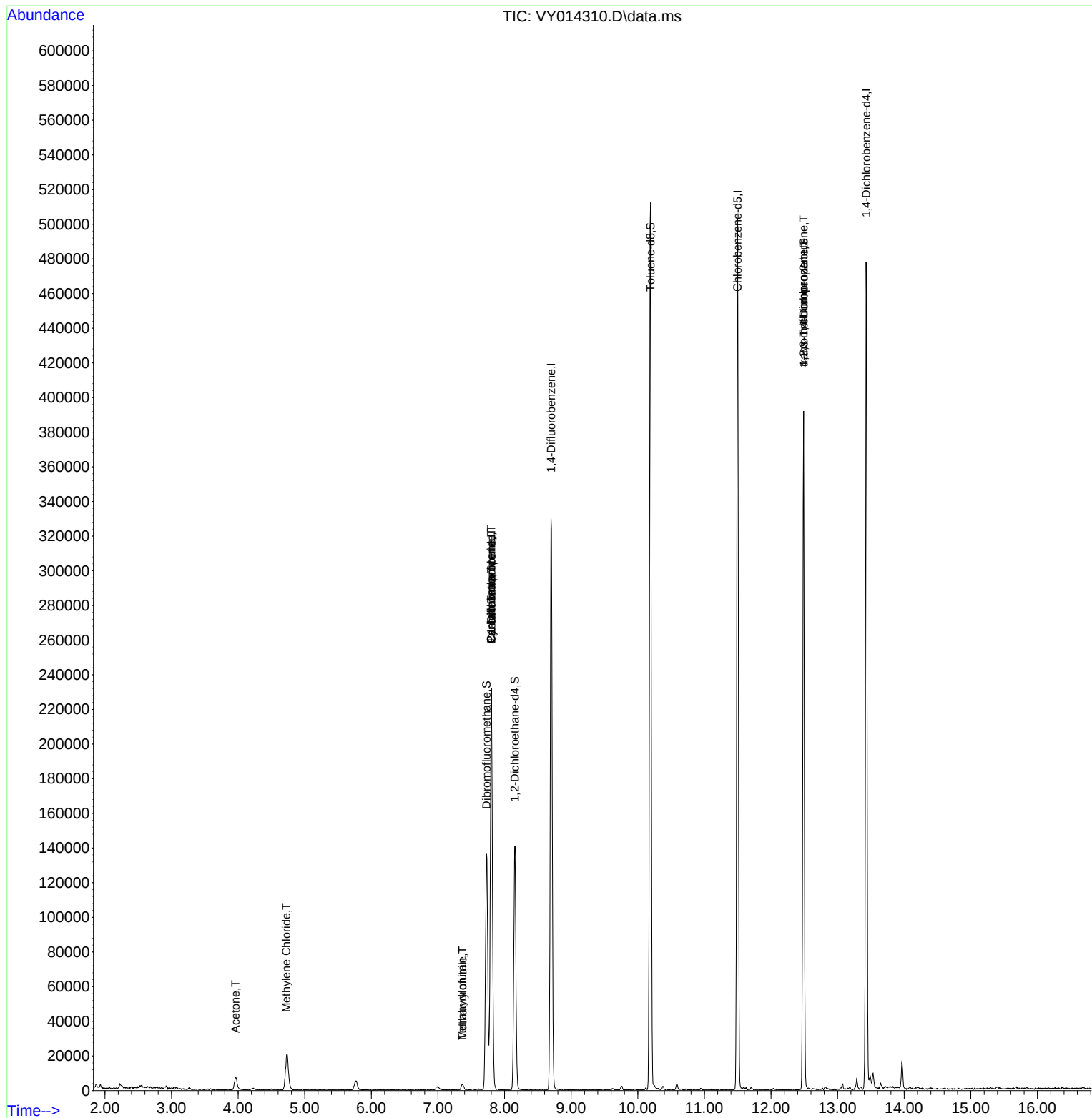
Internal Standards						
1) Pentafluorobenzene	7.801	168	176665	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	282045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	261256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	117994	47.963	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.920%		
35) Dibromofluoromethane	7.728	113	92495	46.243	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.480%		
50) Toluene-d8	10.191	98	340332	45.512	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.020%		
62) 4-Bromofluorobenzene	12.489	95	105229	39.614	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.220%		
Target Compounds						
11) Tert butyl alcohol	4.972	59	336	Below Cal	#	89
16) Acetone	3.960	43	13611	18.355	ug/l	94
20) Methylene Chloride	4.723	84	15475	3.179	ug/l #	84
29) Tetrahydrofuran	7.362	42	2659	4.594	ug/l	99
31) Cyclohexane	7.801	56	3770	1.144	ug/l #	19
36) 1,1-Dichloropropene	7.801	75	13232	4.243	ug/l #	50
38) Carbon Tetrachloride	7.801	117	17064	4.742	ug/l #	17
41) Methacrylonitrile	7.368	41	1659	1.511	ug/l #	42
76) 1,2,3-Trichloropropane	12.489	75	57359	35.751	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	57359	77.280	ug/l #	11

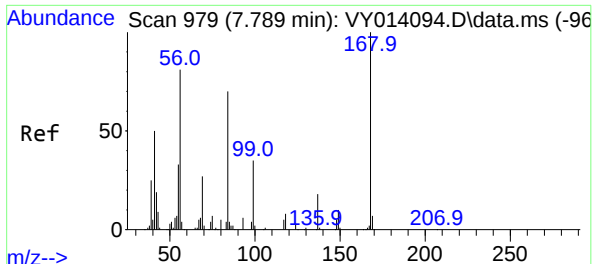
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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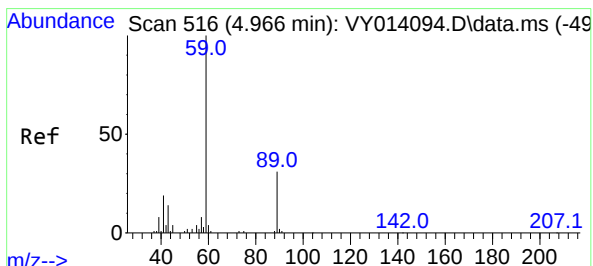
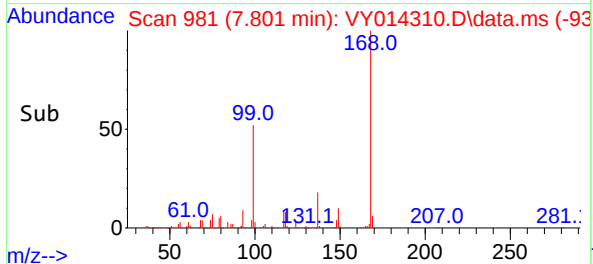
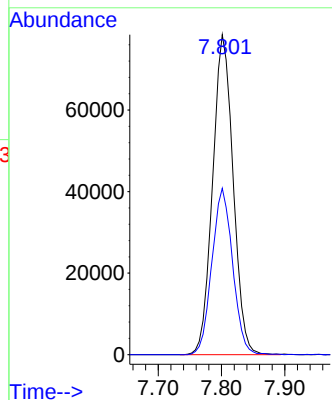
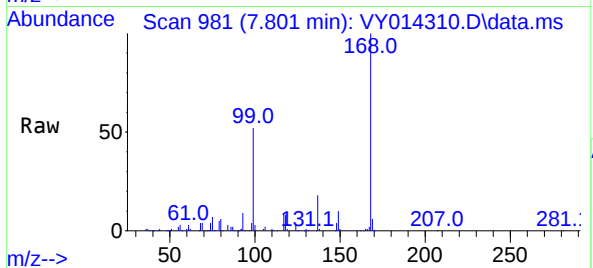




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014310.D
Acq: 21 Jun 2023 02:49

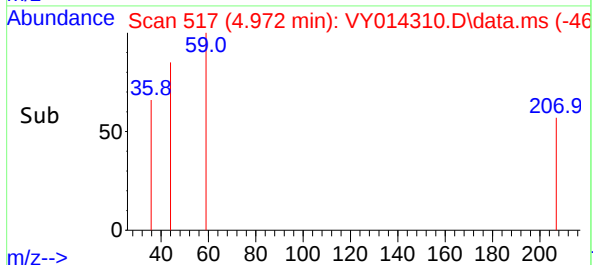
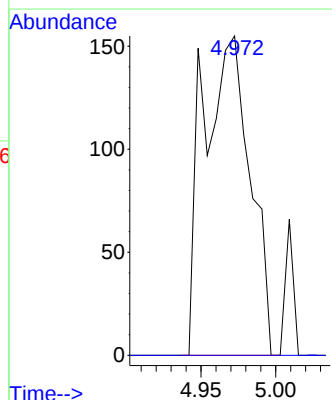
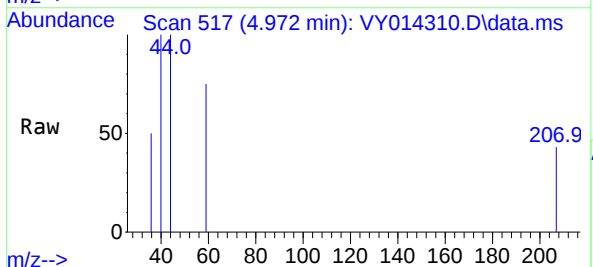
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-8-15-GRAB-7

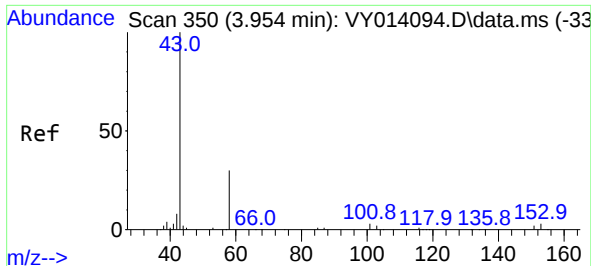
Tgt Ion:168 Resp: 176665
Ion Ratio Lower Upper
168 100
99 52.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY014310.D
Acq: 21 Jun 2023 02:49

Tgt Ion: 59 Resp: 336
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

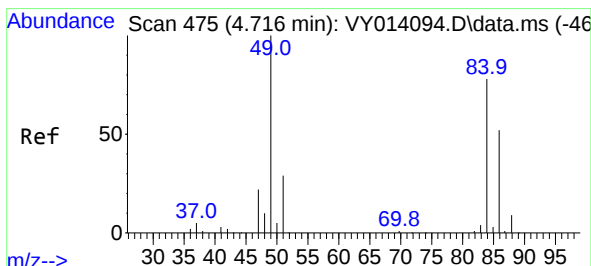
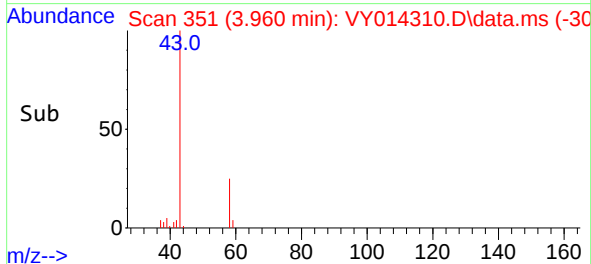
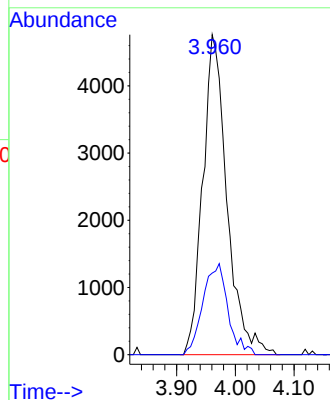
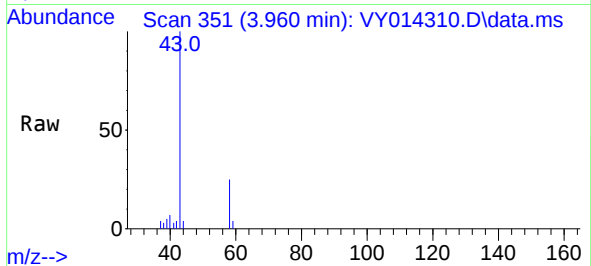




#16
Acetone
Concen: 18.355 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014310.D
Acq: 21 Jun 2023 02:49

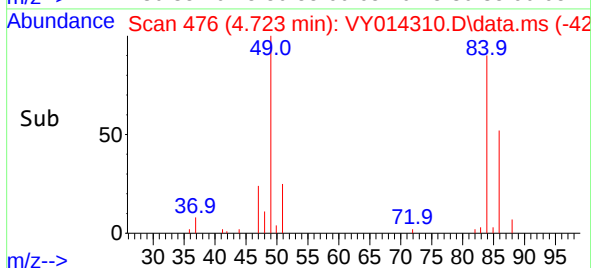
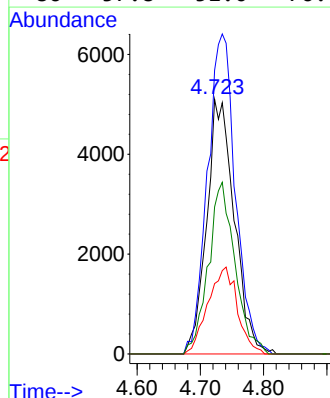
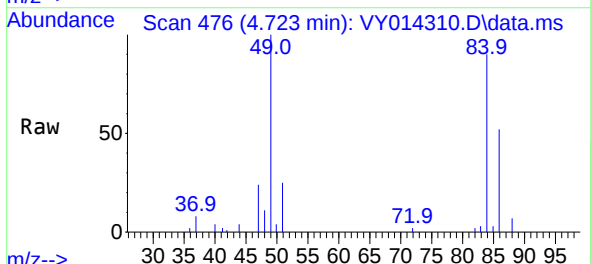
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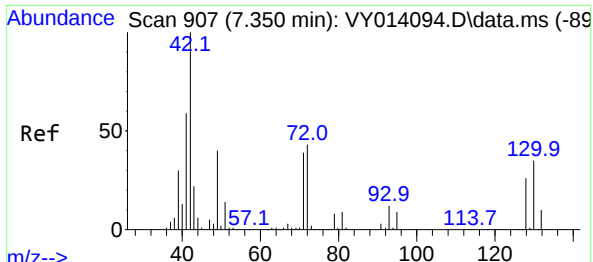
Tgt Ion: 43 Resp: 13611
Ion Ratio Lower Upper
43 100
58 25.5 22.7 34.1



#20
Methylene Chloride
Concen: 3.179 ug/l
RT: 4.723 min Scan# 476
Delta R.T. 0.007 min
Lab File: VY014310.D
Acq: 21 Jun 2023 02:49

Tgt Ion: 84 Resp: 15475
Ion Ratio Lower Upper
84 100
49 111.4 106.9 160.3
51 27.7 33.2 49.8#
86 57.8 51.0 76.6

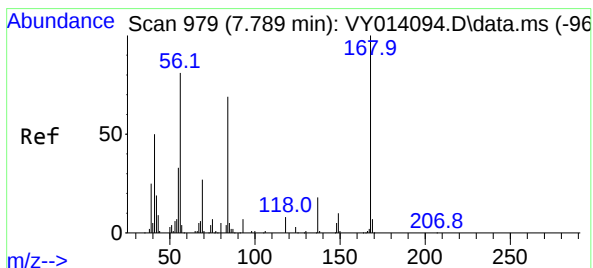
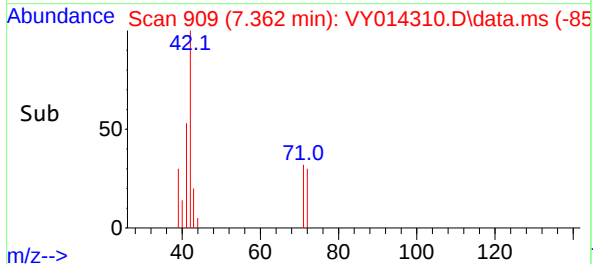
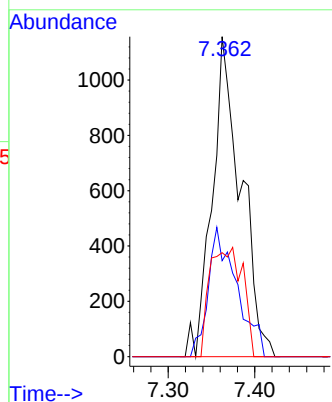
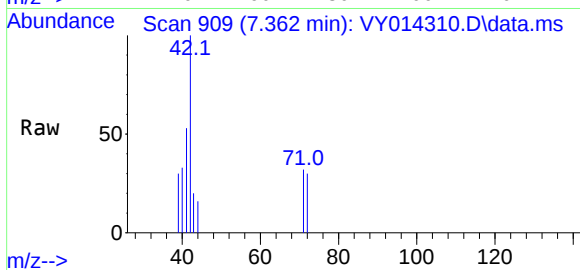




#29
Tetrahydrofuran
Concen: 4.594 ug/l
RT: 7.362 min Scan# 907
Delta R.T. 0.012 min
Lab File: VY014310.D
Acq: 21 Jun 2023 02:49

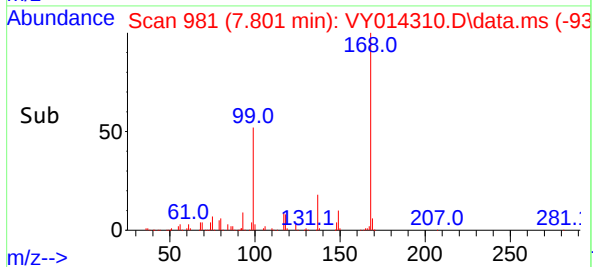
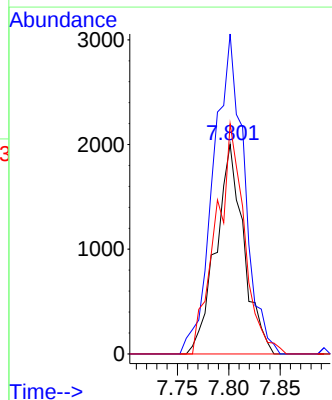
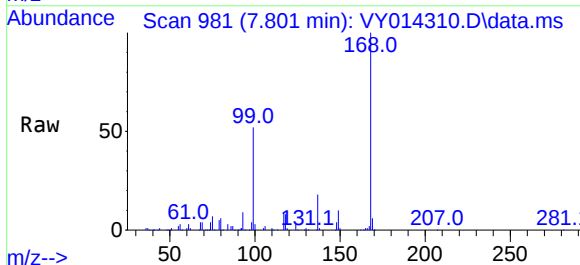
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SW02-8-15-GRAB-7

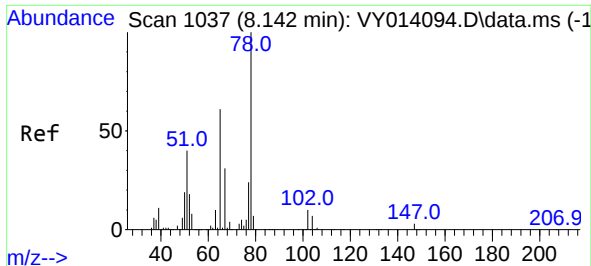
Tgt Ion: 42	Resp: 2659
Ion Ratio	Lower Upper
42 100	
72 40.2	32.8 49.2
71 39.2	31.0 46.4



#31
Cyclohexane
Concen: 1.144 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY014310.D
Acq: 21 Jun 2023 02:49

Tgt Ion: 56	Resp: 3770		
Ion Ratio	Lower	Upper	
56 100			
69 152.7	27.8	41.6#	
84 109.8	66.4	99.6#	





#33

1,2-Dichloroethane-d4

Concen: 47.963 ug/l

RT: 8.155 min Scan# 1037

Delta R.T. 0.013 min

Lab File: VY014310.D

Acq: 21 Jun 2023 02:49

Instrument :

MSVOA_Y

ClientSampleId :

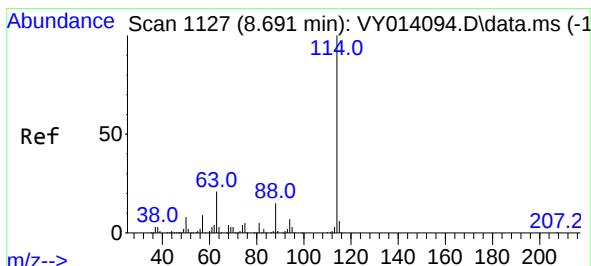
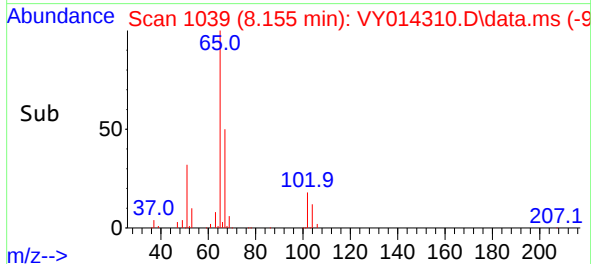
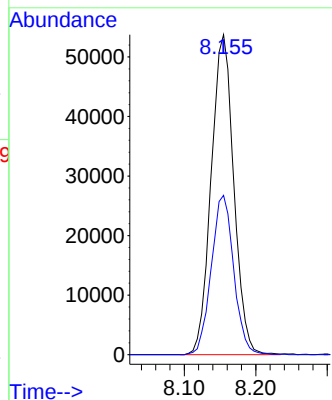
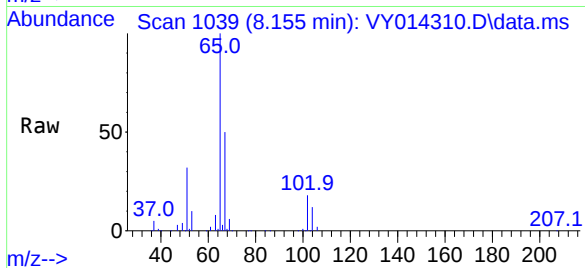
TOTAL-VOC-SW02-8-15-GRAB-7

Tgt Ion: 65 Resp: 117994

Ion Ratio Lower Upper

65 100

67 49.4 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: VY014310.D

Acq: 21 Jun 2023 02:49

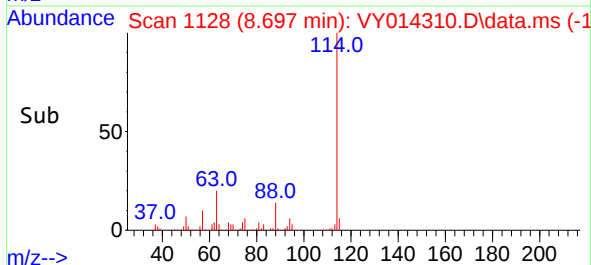
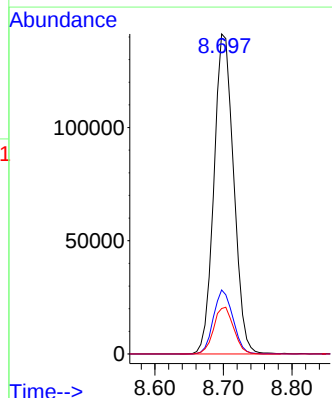
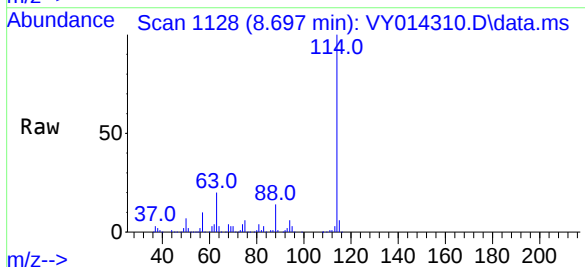
Tgt Ion: 114 Resp: 282045

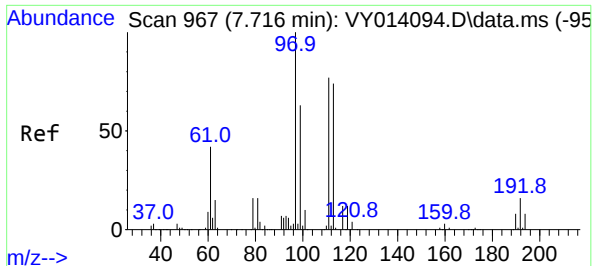
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 14.2 0.0 30.6

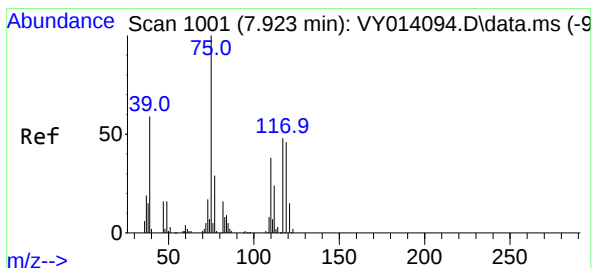
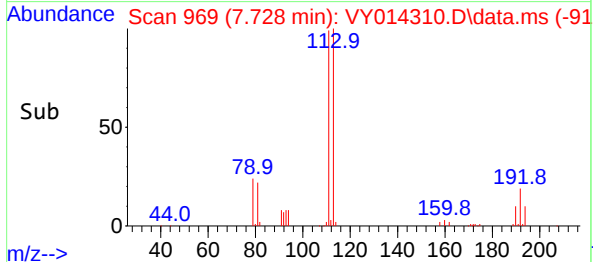
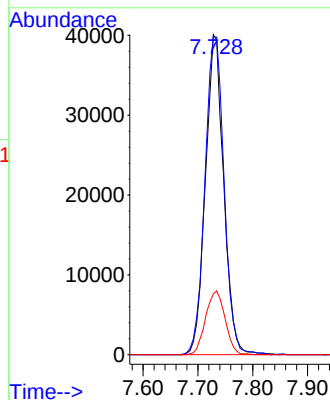
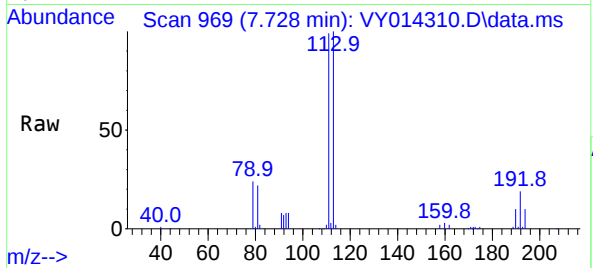




#35
Dibromofluoromethane
Concen: 46.243 ug/l
RT: 7.728 min Scan# 901
Delta R.T. 0.012 min
Lab File: VY014310.D
Acq: 21 Jun 2023 02:49

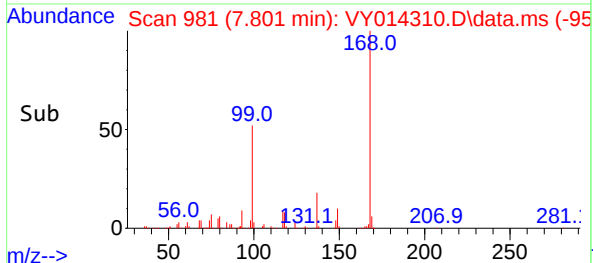
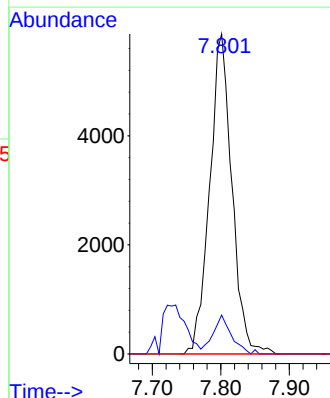
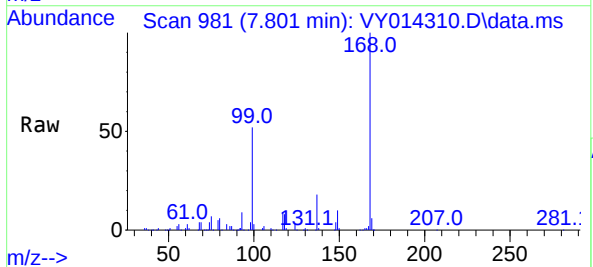
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-8-15-GRAB-7

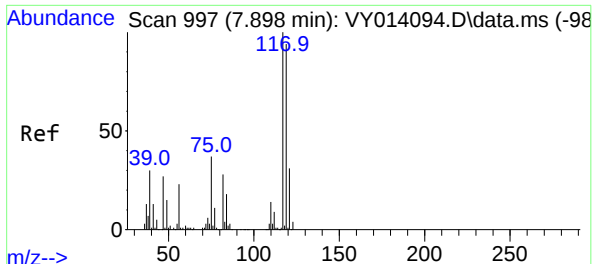
Tgt Ion:113 Resp: 92495
Ion Ratio Lower Upper
113 100
111 104.5 81.3 121.9
192 21.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.243 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY014310.D
Acq: 21 Jun 2023 02:49

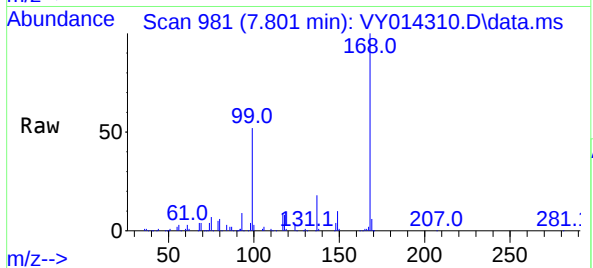
Tgt Ion: 75 Resp: 13232
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#



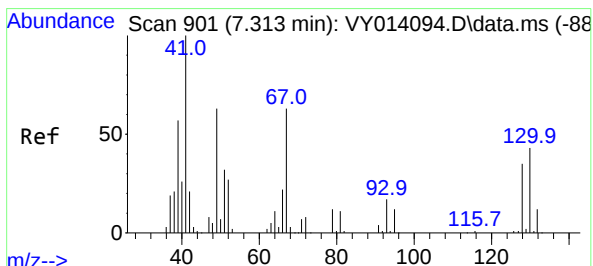
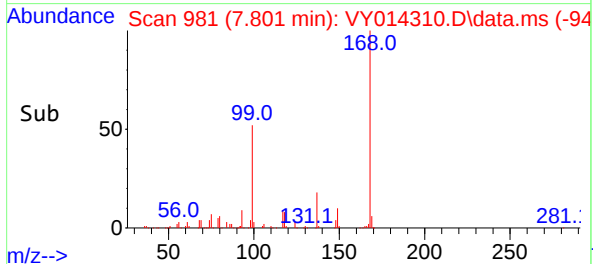
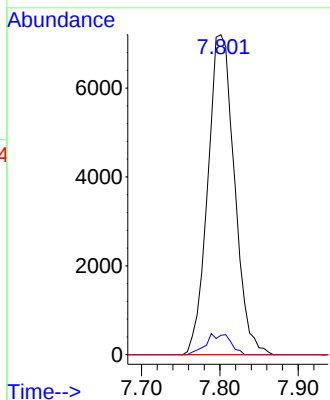


#38
Carbon Tetrachloride
Concen: 4.742 ug/l
RT: 7.801 min Scan# 910
Delta R.T. -0.097 min
Lab File: VY014310.D
Acq: 21 Jun 2023 02:49

Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SW02-8-15-GRAB-7

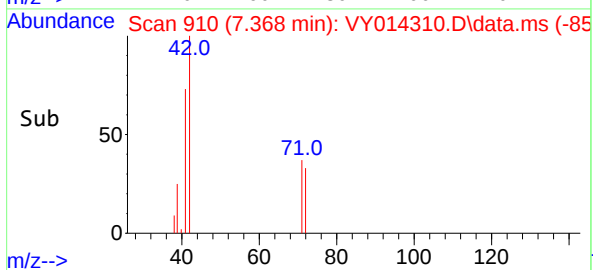
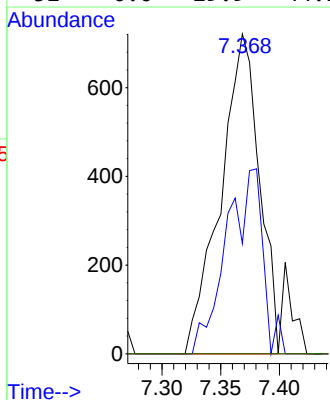
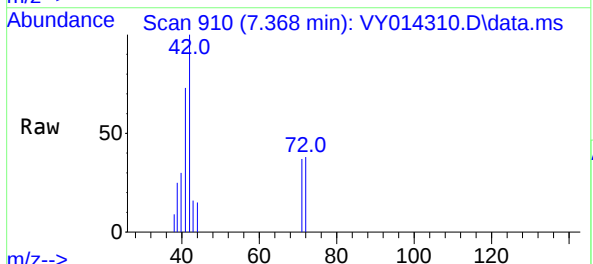


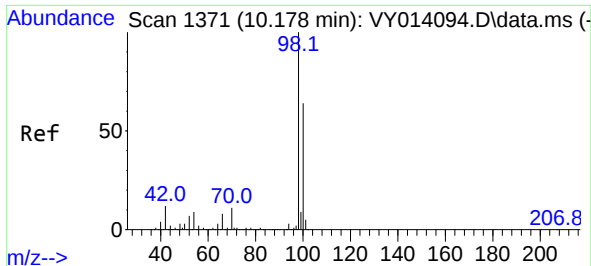
Tgt Ion: 117 Resp: 17064
Ion Ratio Lower Upper
117 100
119 6.1 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.511 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.055 min
Lab File: VY014310.D
Acq: 21 Jun 2023 02:49

Tgt Ion: 41 Resp: 1659
Ion Ratio Lower Upper
41 100
39 54.4 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

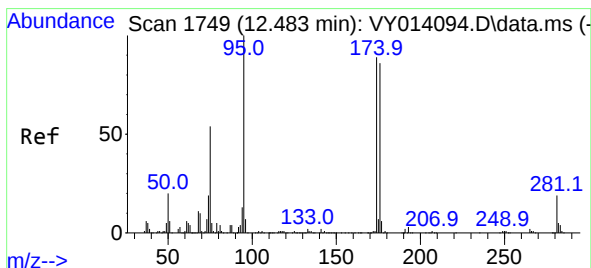
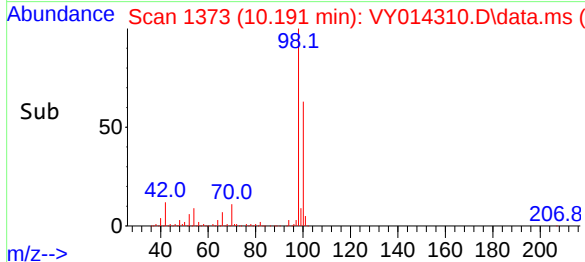
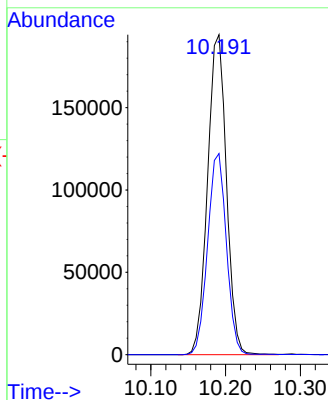
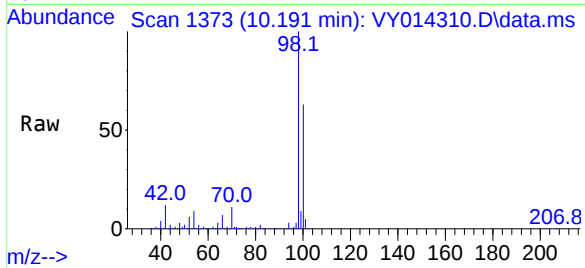




#50
Toluene-d8
Concen: 45.512 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014310.D
Acq: 21 Jun 2023 02:49

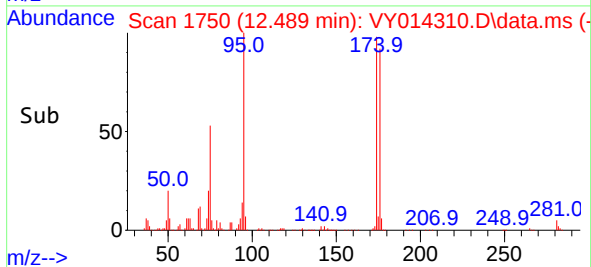
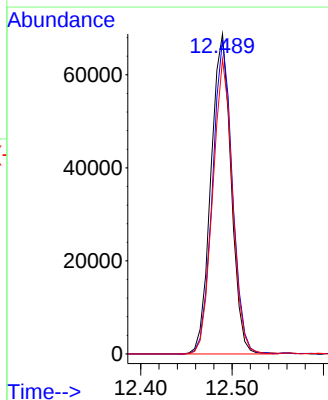
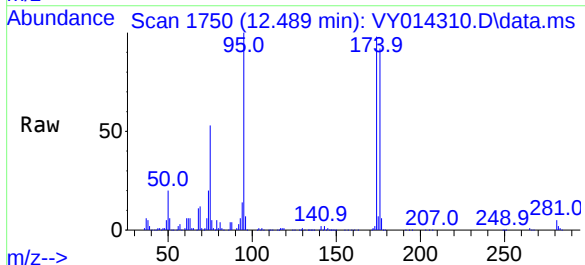
Instrument :
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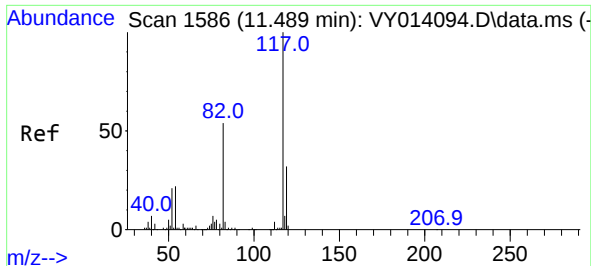
Tgt Ion: 98 Resp: 340332
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 39.614 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014310.D
Acq: 21 Jun 2023 02:49

Tgt Ion: 95 Resp: 105229
Ion Ratio Lower Upper
95 100
174 96.6 0.0 178.2
176 90.5 0.0 173.8

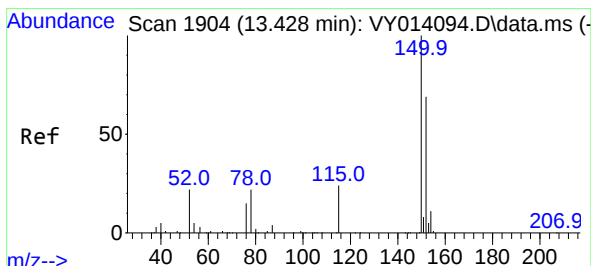
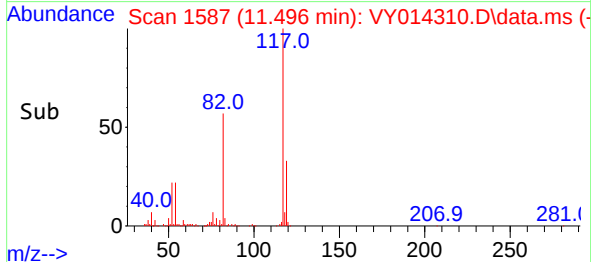
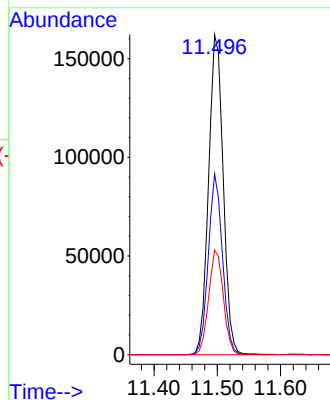
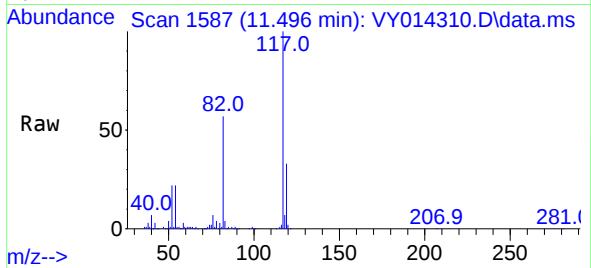




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014310.D
Acq: 21 Jun 2023 02:49

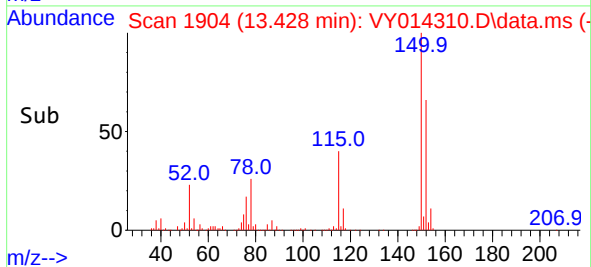
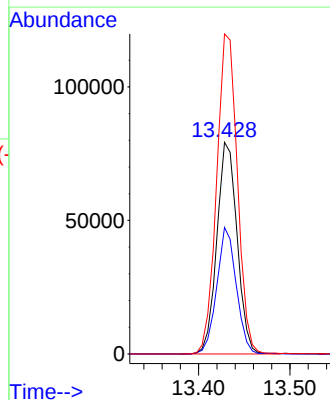
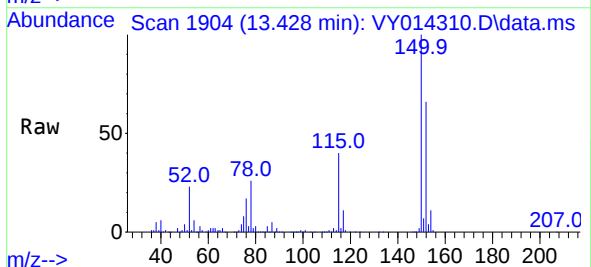
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-8-15-GRAB-7

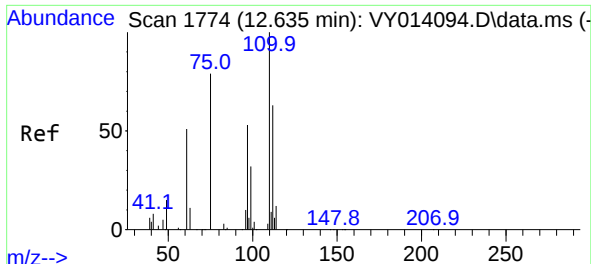
Tgt Ion:117 Resp: 261256
Ion Ratio Lower Upper
117 100
82 56.5 43.4 65.0
119 32.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014310.D
Acq: 21 Jun 2023 02:49

Tgt Ion:152 Resp: 122288
Ion Ratio Lower Upper
152 100
115 57.6 28.8 86.5
150 154.9 0.0 348.8

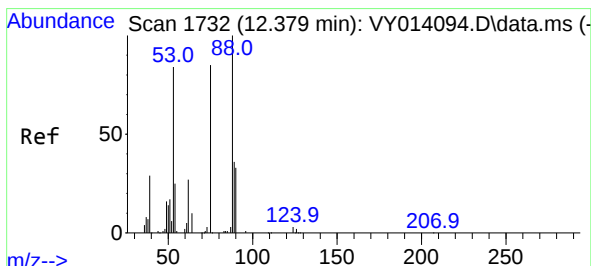
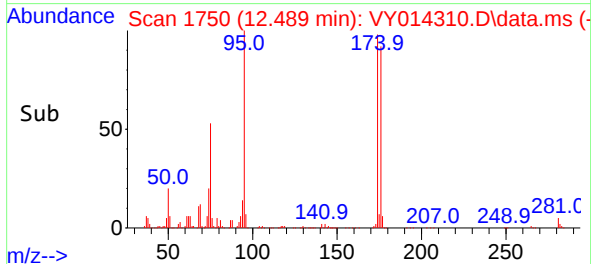
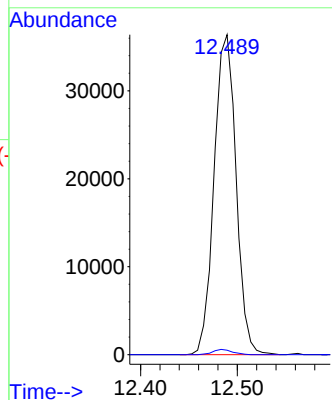
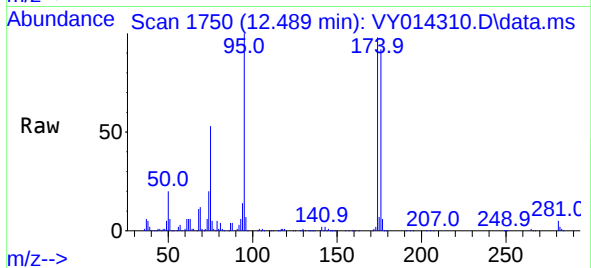




#76
1,2,3-Trichloropropane
Concen: 35.751 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014310.D
Acq: 21 Jun 2023 02:49

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-8-15-GRAB-7

Tgt Ion: 75 Resp: 57359
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.280 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY014310.D
Acq: 21 Jun 2023 02:49

Tgt Ion: 75 Resp: 57359
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.1 37.4 56.0#

