

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014324.D
 Acq On : 21 Jun 2023 08:17
 Operator : KP/MD
 Sample : 03329-24
 Misc : 7.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW01-8-15-GRAB-7

Quant Time: Jun 21 08:50:57 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)

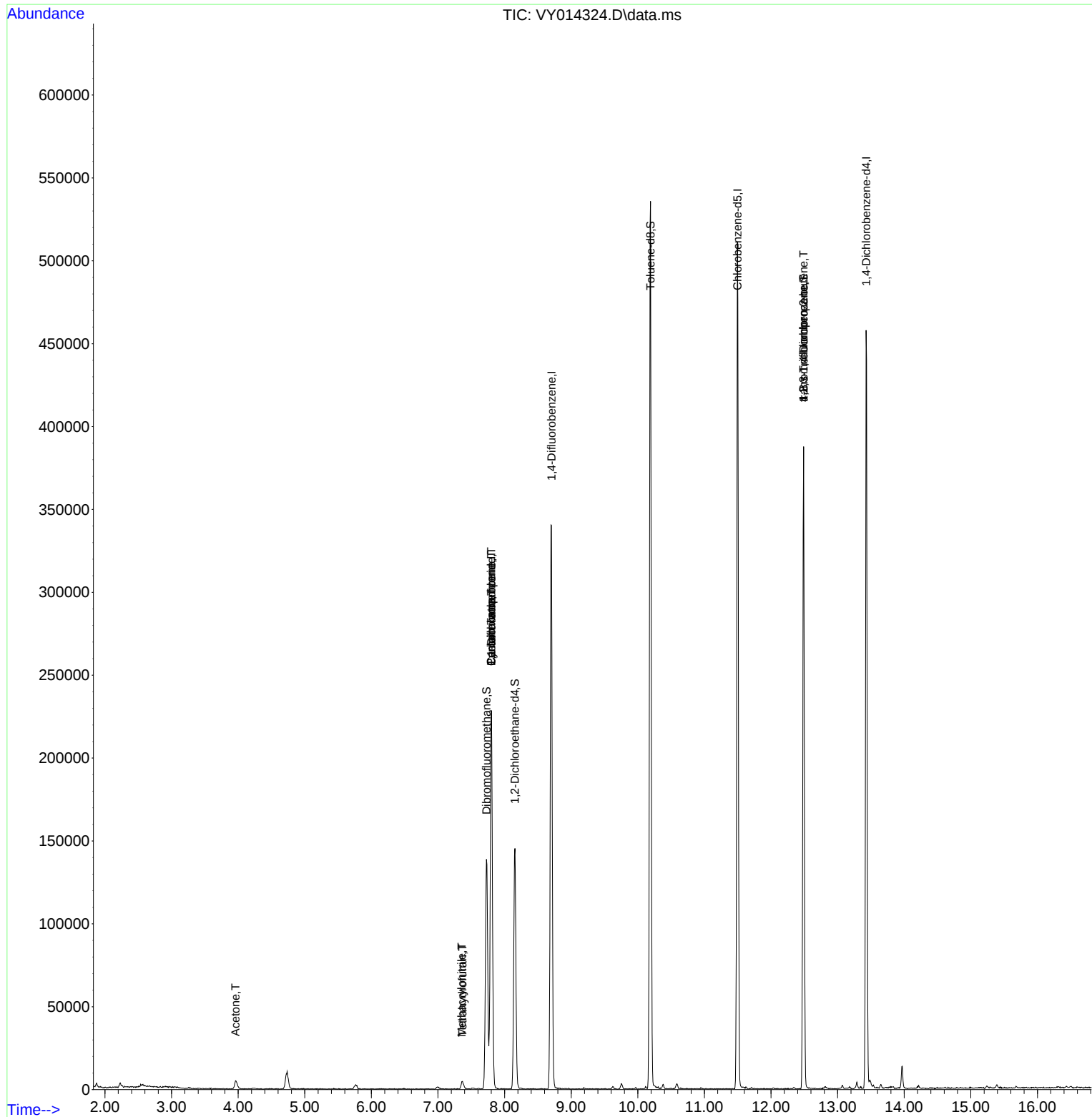
Internal Standards						
1) Pentafluorobenzene	7.801	168	177479	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	287229	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	271293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	124789	50.493	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.980%	
35) Dibromofluoromethane	7.728	113	95772	47.017	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.040%	
50) Toluene-d8	10.191	98	351285	46.128	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.260%	
62) 4-Bromofluorobenzene	12.489	95	106996	39.552	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.100%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.984	59	285	Below Cal	#	89
16) Acetone	3.960	43	8887	11.929	ug/l	94
20) Methylene Chloride	4.734	84	7207	Below Cal	#	82
29) Tetrahydrofuran	7.368	42	3725	6.406	ug/l	98
31) Cyclohexane	7.801	56	4057	1.225	ug/l #	33
36) 1,1-Dichloropropene	7.801	75	13714	4.318	ug/l #	51
38) Carbon Tetrachloride	7.801	117	18190	4.964	ug/l #	17
41) Methacrylonitrile	7.356	41	2324	2.078	ug/l #	43
76) 1,2,3-Trichloropropane	12.489	75	58529	36.942	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	58529	79.854	ug/l #	11

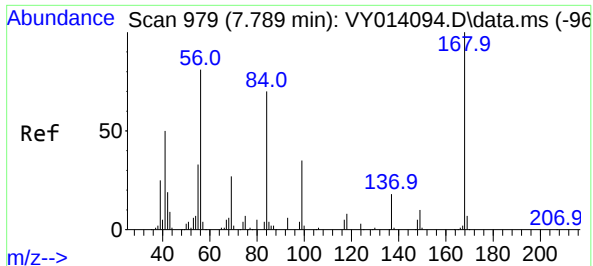
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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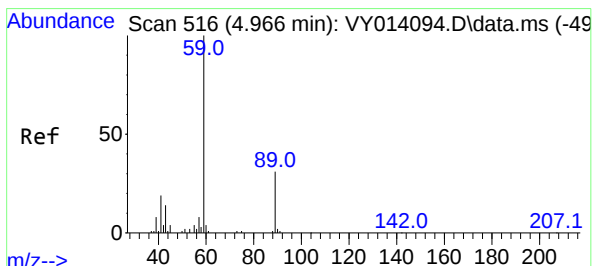
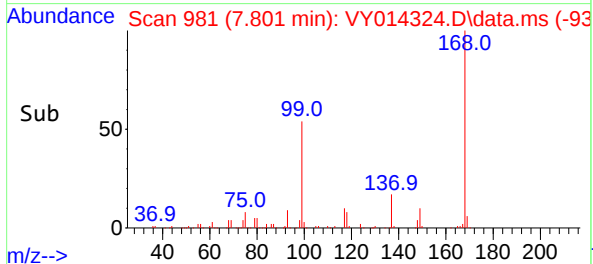
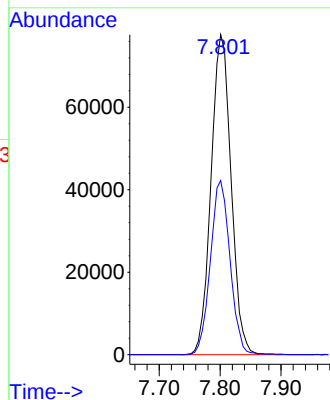
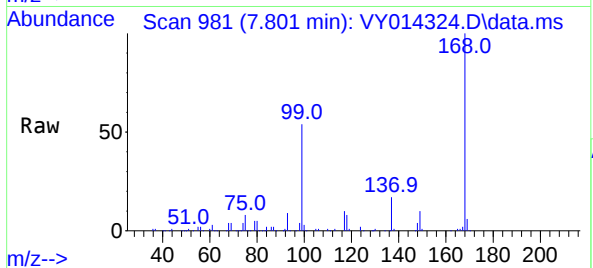




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014324.D
Acq: 21 Jun 2023 08:17

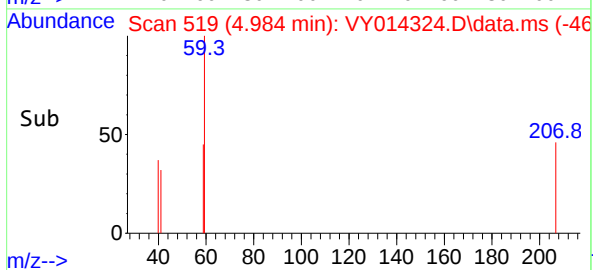
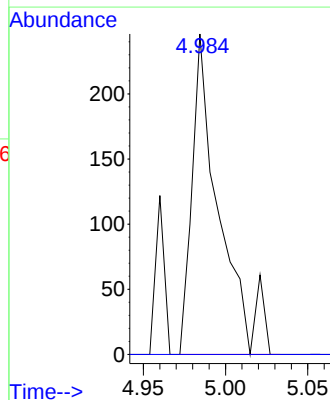
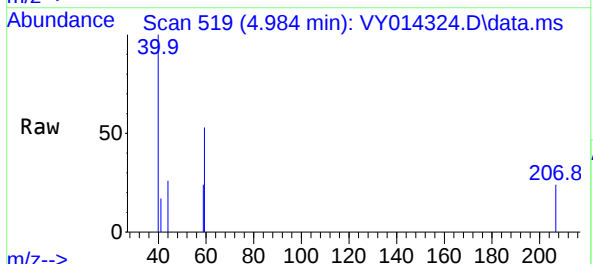
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-7

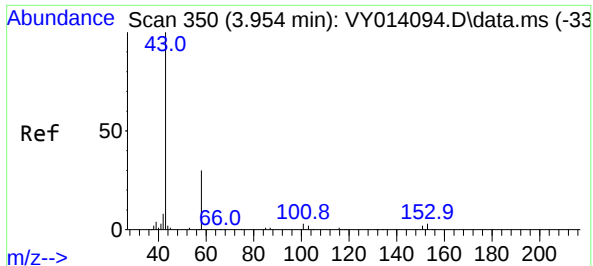
Tgt Ion:168 Resp: 177479
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.984 min Scan# 519
Delta R.T. 0.018 min
Lab File: VY014324.D
Acq: 21 Jun 2023 08:17

Tgt Ion: 59 Resp: 285
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

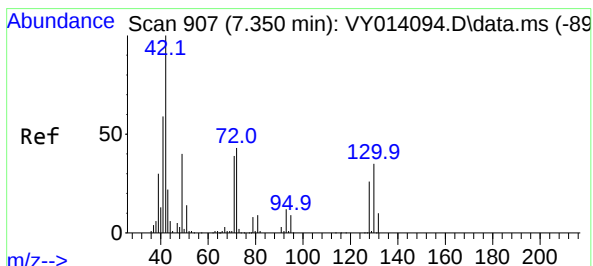
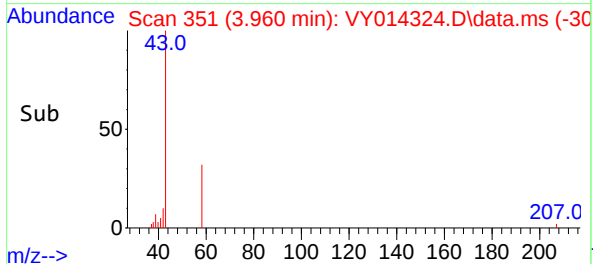
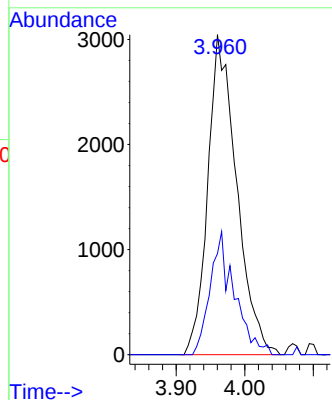
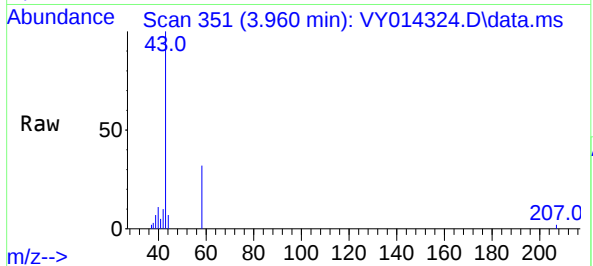




#16
Acetone
Concen: 11.929 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014324.D
Acq: 21 Jun 2023 08:17

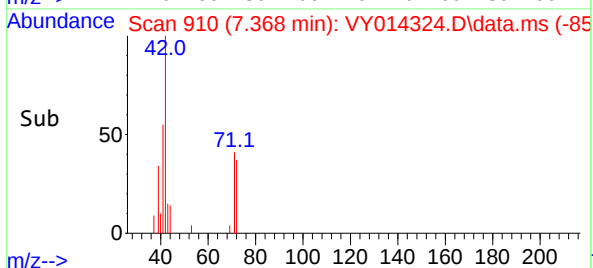
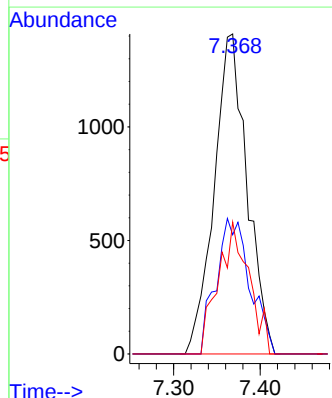
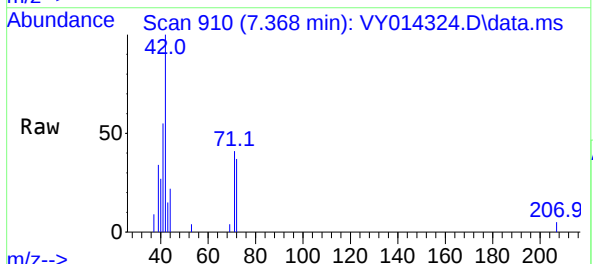
Instrument :
MSVOA_Y
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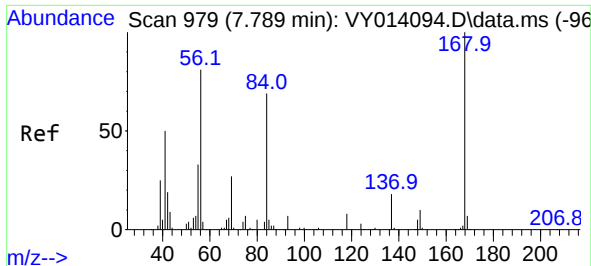
Tgt Ion: 43 Resp: 8887
Ion Ratio Lower Upper
43 100
58 31.6 22.7 34.1



#29
Tetrahydrofuran
Concen: 6.406 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.018 min
Lab File: VY014324.D
Acq: 21 Jun 2023 08:17

Tgt Ion: 42 Resp: 3725
Ion Ratio Lower Upper
42 100
72 43.7 32.8 49.2
71 38.4 31.0 46.4

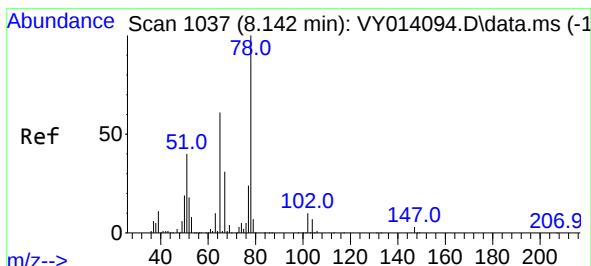
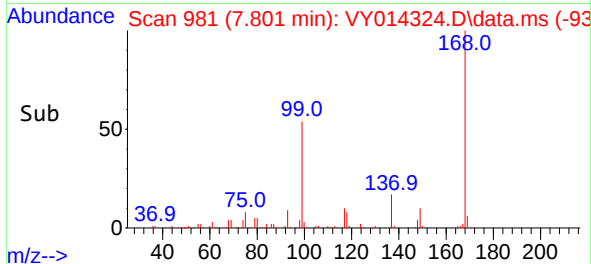
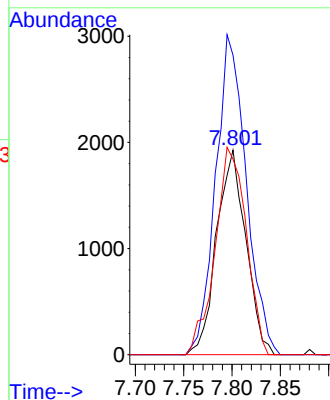
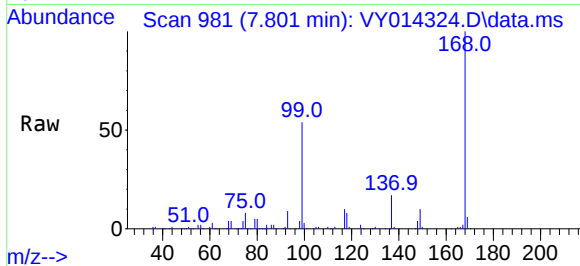




#31
Cyclohexane
Concen: 1.225 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014324.D
Acq: 21 Jun 2023 08:17

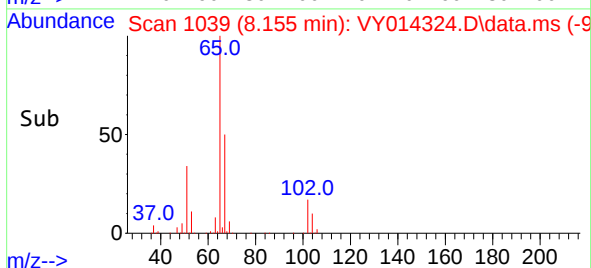
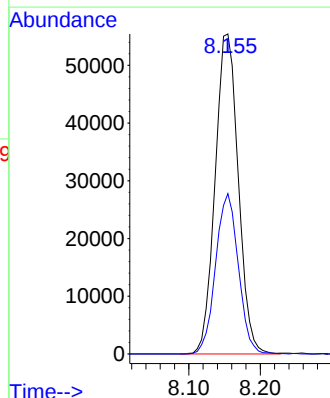
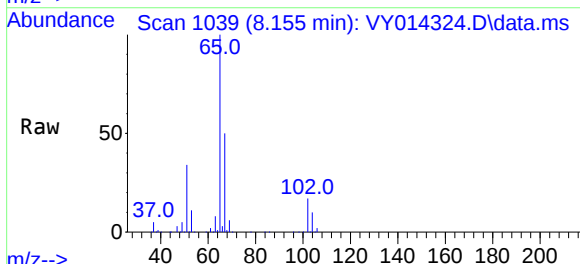
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-7

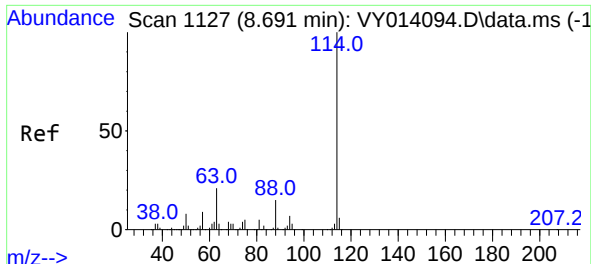
Tgt Ion: 56 Resp: 4057
Ion Ratio Lower Upper
56 100
69 146.4 27.8 41.6#
84 95.6 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 50.493 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014324.D
Acq: 21 Jun 2023 08:17

Tgt Ion: 65 Resp: 124789
Ion Ratio Lower Upper
65 100
67 49.1 0.0 101.8

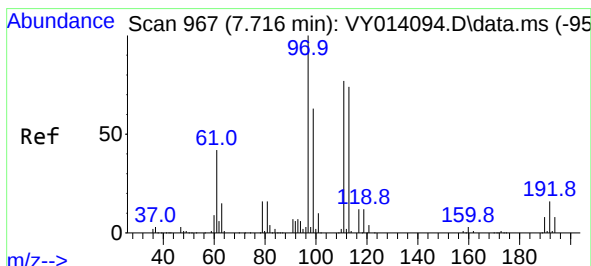
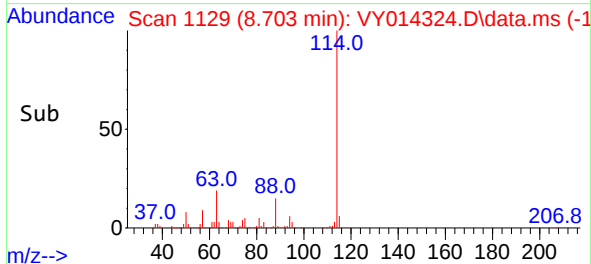
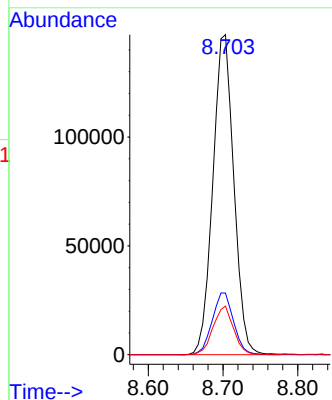
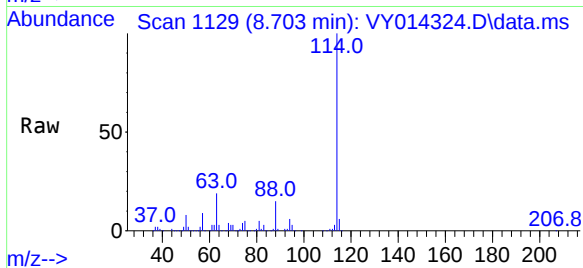




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1127
Delta R.T. 0.012 min
Lab File: VY014324.D
Acq: 21 Jun 2023 08:17

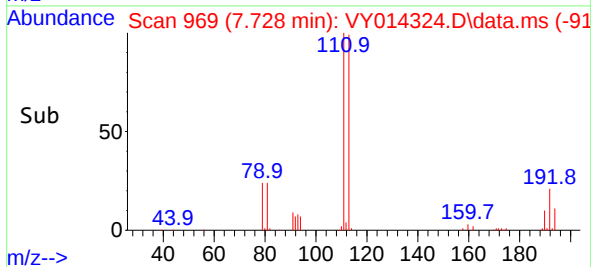
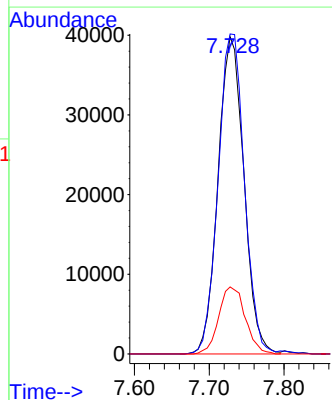
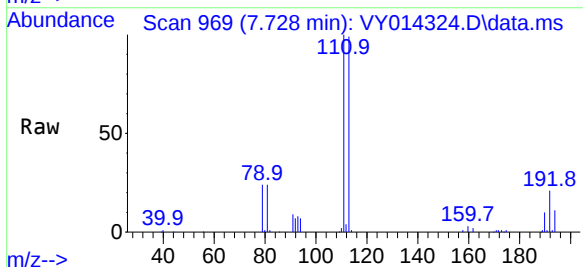
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SW01-8-15-GRAB-7

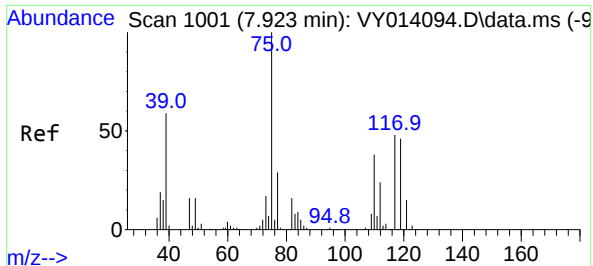
Tgt Ion:114	Resp:	287229	
Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	42.4
88	15.2	0.0	30.6



#35
Dibromofluoromethane
Concen: 47.017 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY014324.D
Acq: 21 Jun 2023 08:17

Tgt Ion:113	Resp:	95772	
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.3	121.9
192	21.7	16.9	25.3





#36

1,1-Dichloropropene

Concen: 4.318 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY014324.D

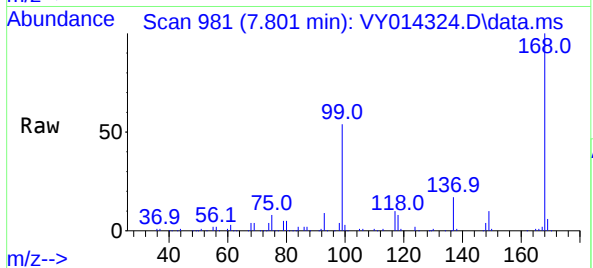
Acq: 21 Jun 2023 08:17

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW01-8-15-GRAB-7



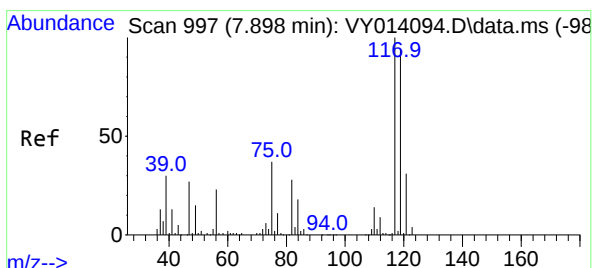
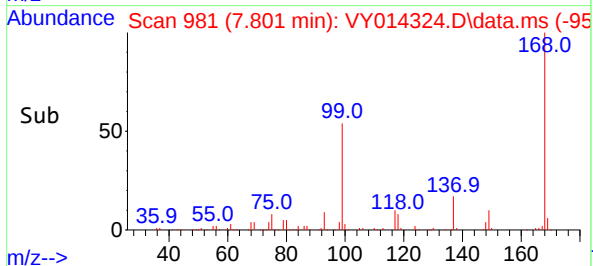
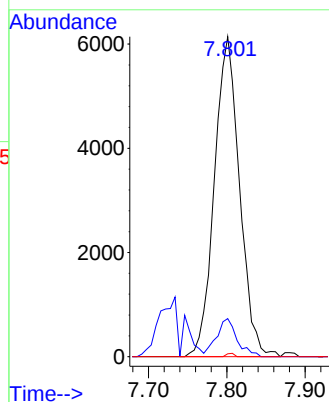
Tgt Ion: 75 Resp: 13714

Ion Ratio Lower Upper

75 100

110 9.7 17.8 53.5#

77 0.3 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.964 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.097 min

Lab File: VY014324.D

Acq: 21 Jun 2023 08:17

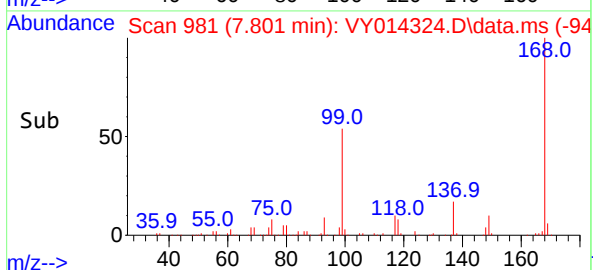
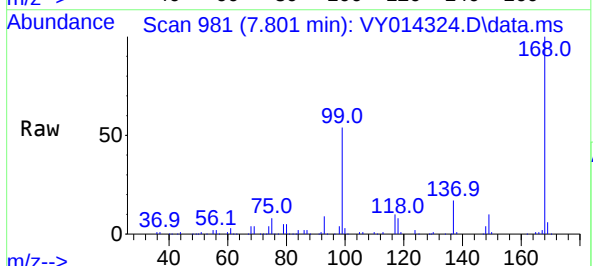
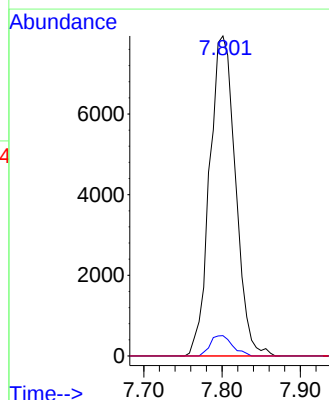
Tgt Ion:117 Resp: 18190

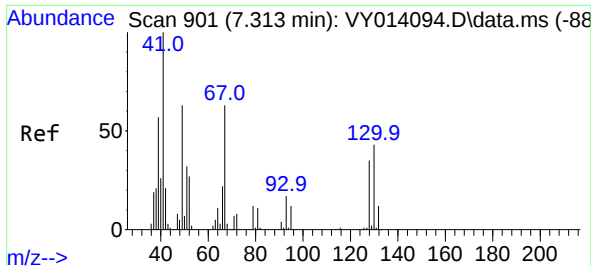
Ion Ratio Lower Upper

117 100

119 6.3 76.4 114.6#

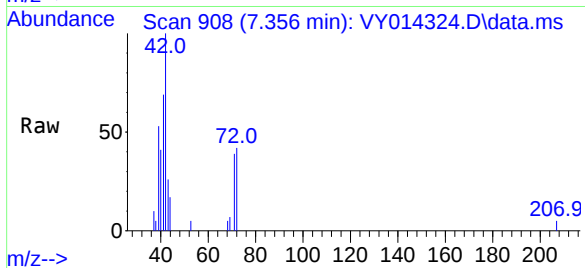
121 0.0 25.8 38.6#





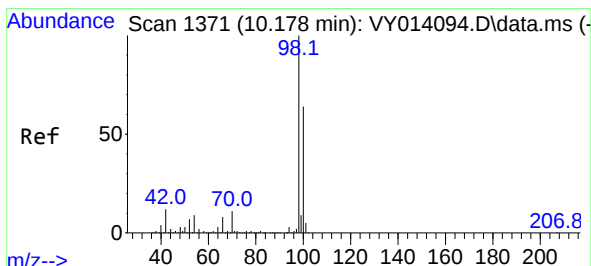
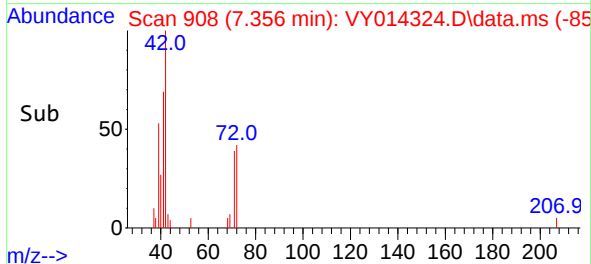
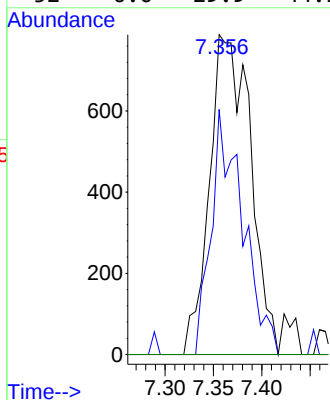
#41
Methacrylonitrile
Concen: 2.078 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.043 min
Lab File: VY014324.D
Acq: 21 Jun 2023 08:17

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-7



Tgt Ion: 41 Resp: 2324

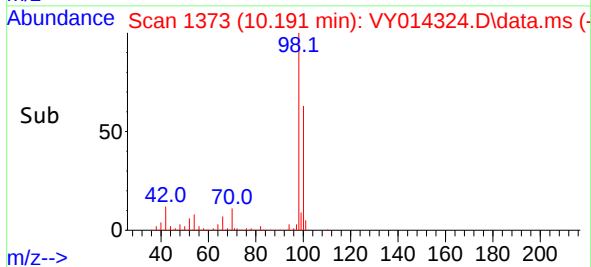
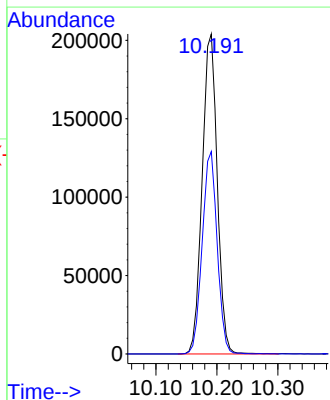
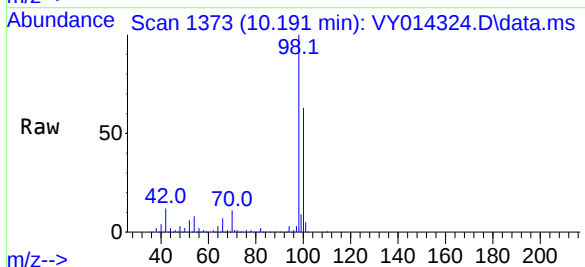
Ion	Ratio	Lower	Upper
41	100		
39	58.8	52.1	78.1
67	0.0	66.2	99.2#
52	0.0	29.9	44.9#

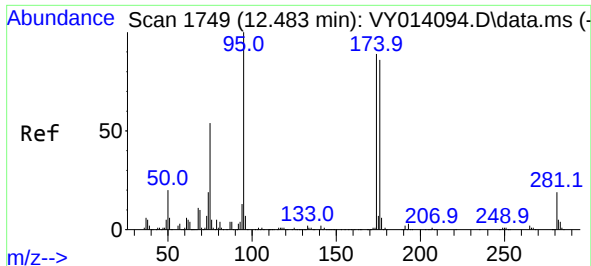


#50
Toluene-d8
Concen: 46.128 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014324.D
Acq: 21 Jun 2023 08:17

Tgt Ion: 98 Resp: 351285

Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.1	75.1

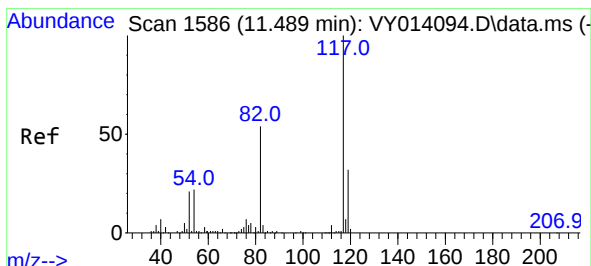
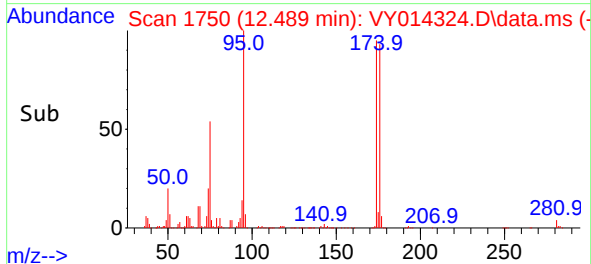
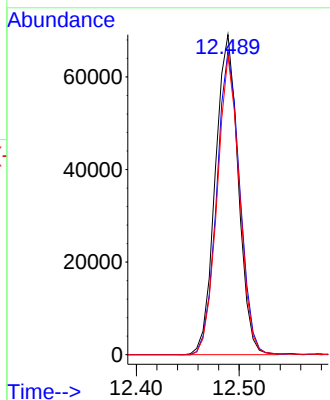
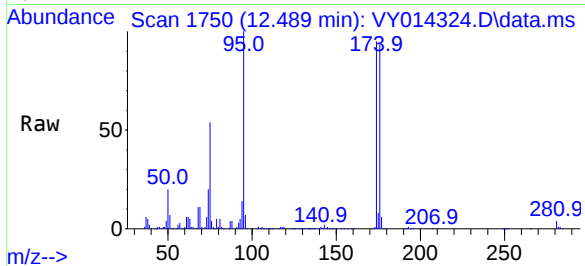




#62
4-Bromofluorobenzene
Concen: 39.552 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014324.D
Acq: 21 Jun 2023 08:17

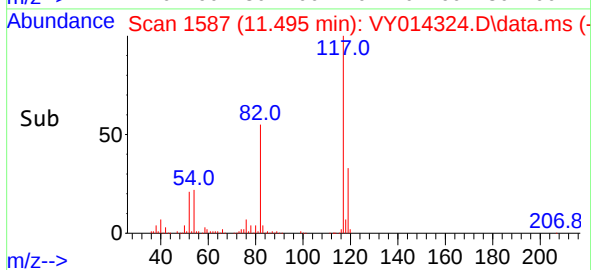
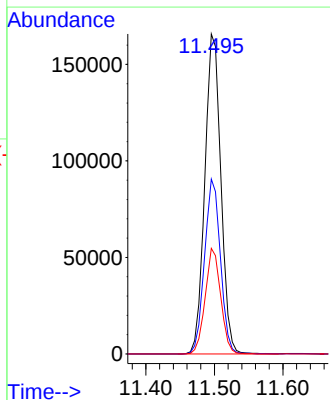
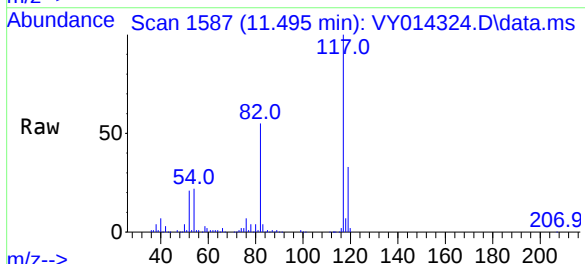
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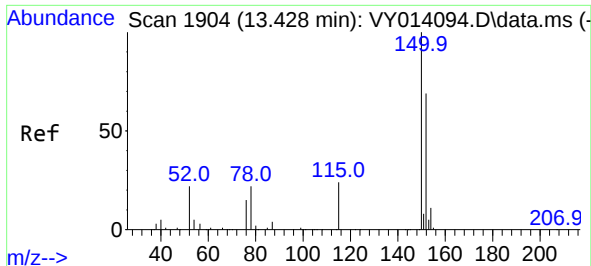
Tgt Ion:	95	Resp:	106996
Ion	Ratio	Lower	Upper
95	100		
174	95.2	0.0	178.2
176	90.7	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY014324.D
Acq: 21 Jun 2023 08:17

Tgt Ion:	117	Resp:	271293
Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.4	65.0
119	33.0	26.3	39.5

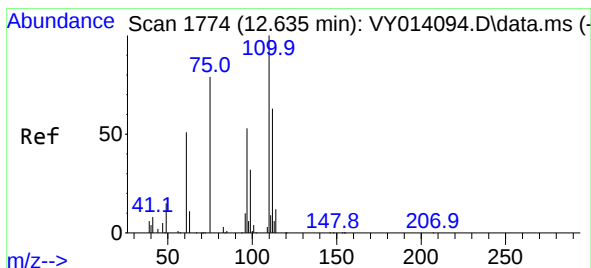
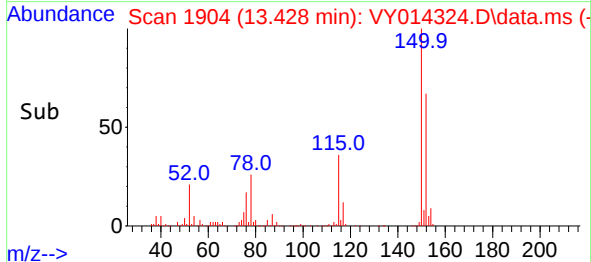
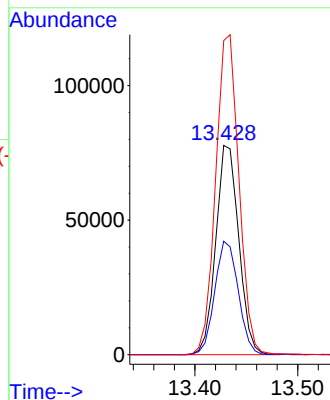
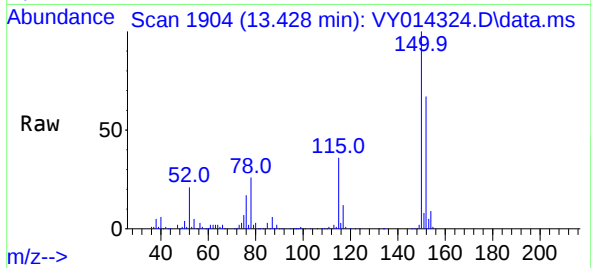




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014324.D
Acq: 21 Jun 2023 08:17

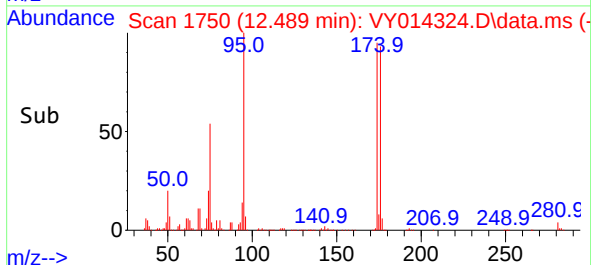
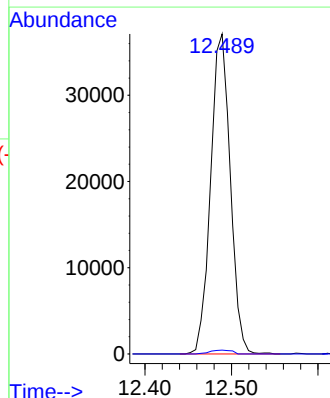
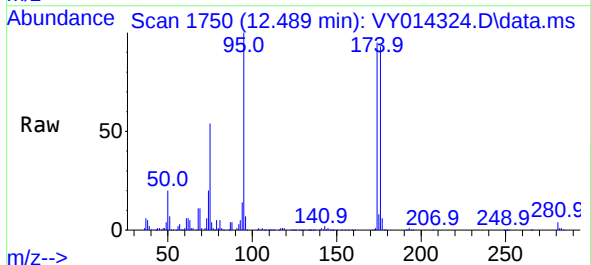
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-7

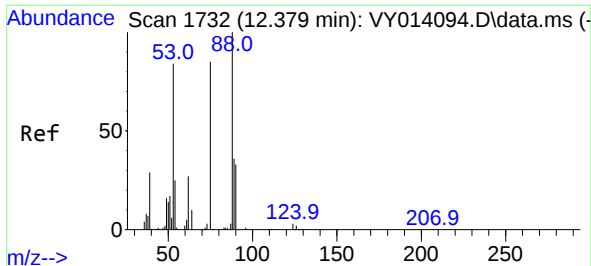
Tgt Ion:152 Resp: 120761
Ion Ratio Lower Upper
152 100
115 55.4 28.8 86.5
150 155.1 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 36.942 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014324.D
Acq: 21 Jun 2023 08:17

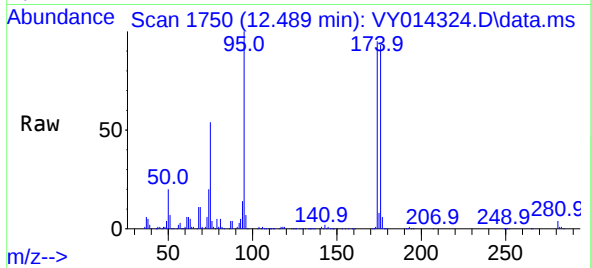
Tgt Ion: 75 Resp: 58529
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.854 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014324.D
 Acq: 21 Jun 2023 08:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW01-8-15-GRAB-7



Tgt Ion: 75 Resp: 58529
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 37.4 56.0#

