

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014323.D
 Acq On : 21 Jun 2023 07:54
 Operator : KP/MD
 Sample : 03329-23
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW01-8-15-GRAB-6

Quant Time: Jun 21 08:50:46 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)

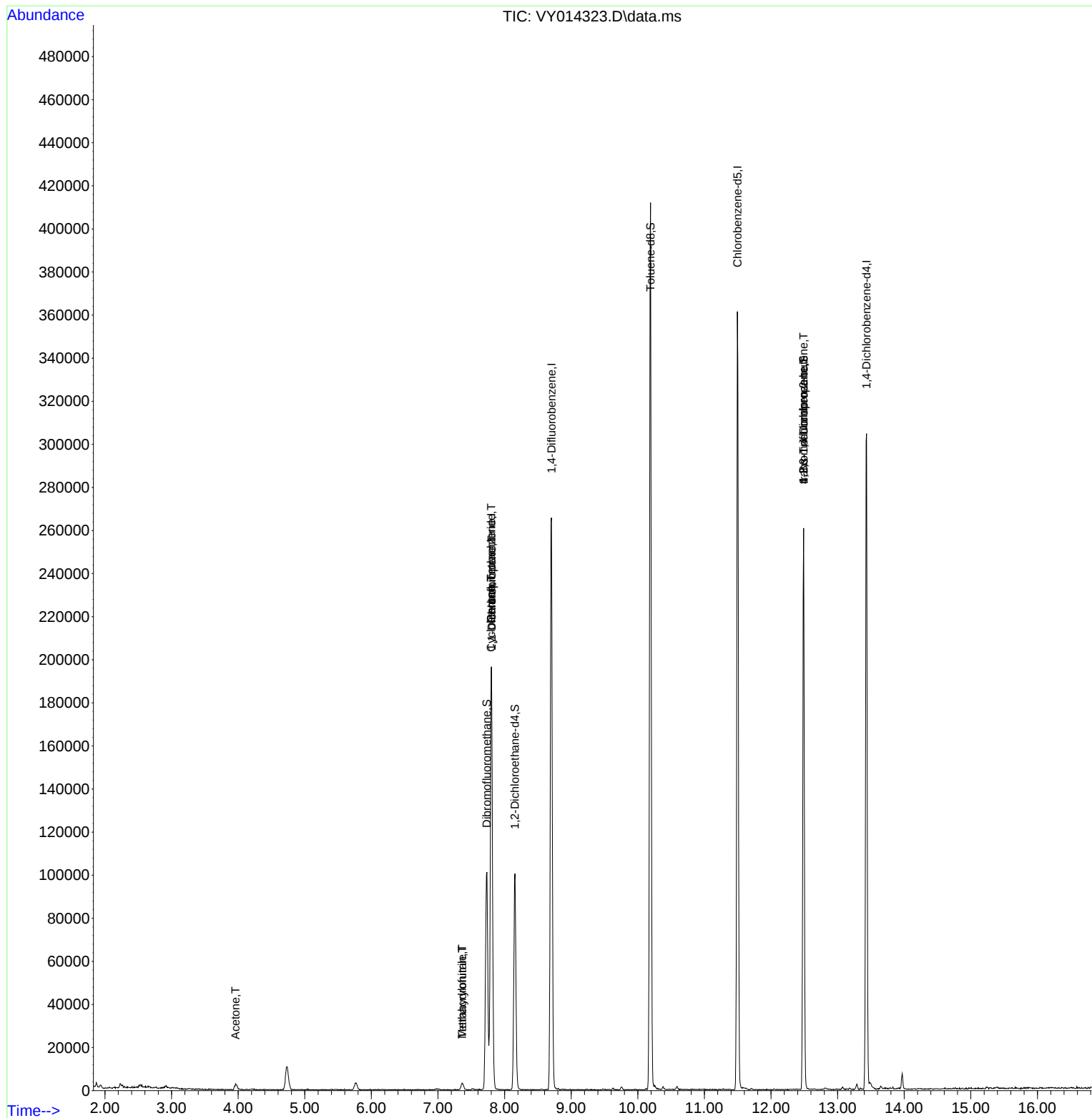
Internal Standards						
1) Pentafluorobenzene	7.801	168	153362	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	227718	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	195305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	83055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	83968	39.318	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.640%
35) Dibromofluoromethane	7.734	113	71615	44.346	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.700%
50) Toluene-d8	10.191	98	271031	44.891	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.780%
62) 4-Bromofluorobenzene	12.489	95	73291	34.173	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	68.340%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	52	Below Cal	#	89
16) Acetone	3.960	43	4435	6.890	ug/l #	79
29) Tetrahydrofuran	7.362	42	2561	5.097	ug/l	96
31) Cyclohexane	7.795	56	3397	1.187	ug/l #	5
36) 1,1-Dichloropropene	7.807	75	11647	4.626	ug/l #	50
38) Carbon Tetrachloride	7.801	117	15433	5.312	ug/l #	16
41) Methacrylonitrile	7.362	41	1518	1.712	ug/l #	40
76) 1,2,3-Trichloropropane	12.489	75	40884	37.520	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	40884	81.103	ug/l #	11

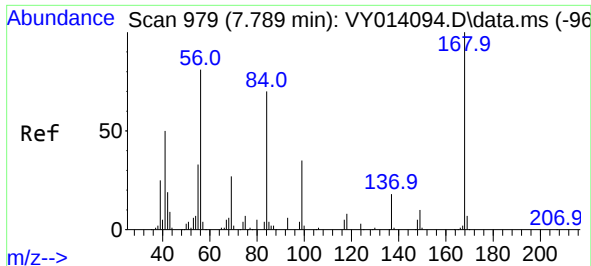
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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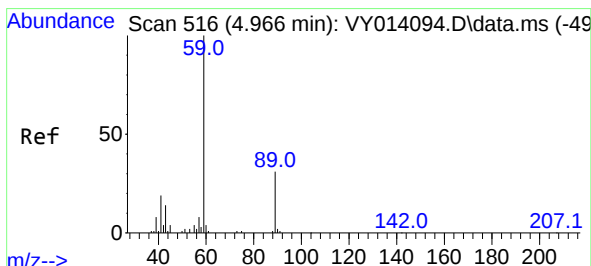
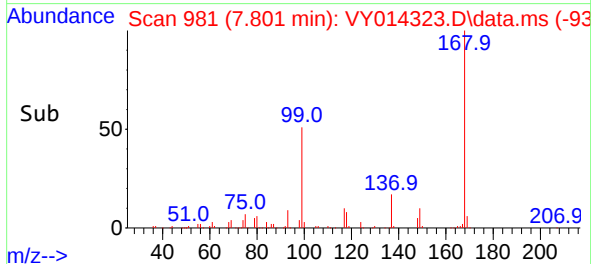
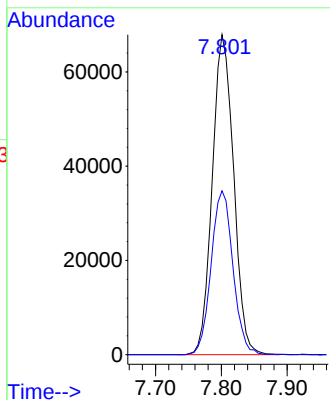
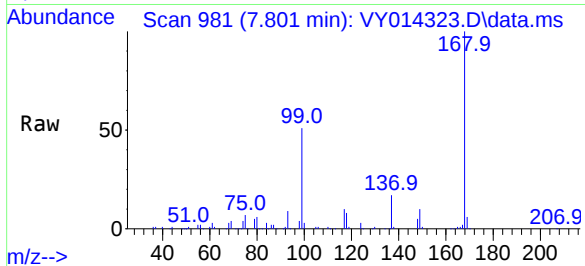




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

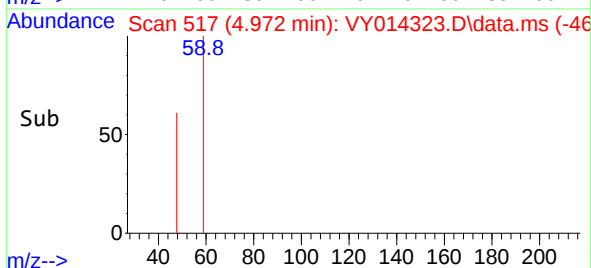
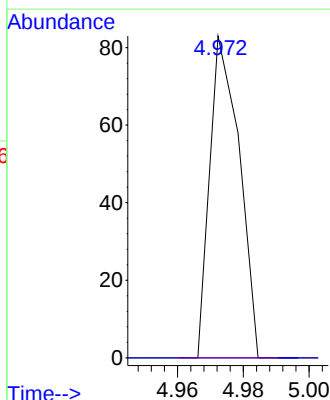
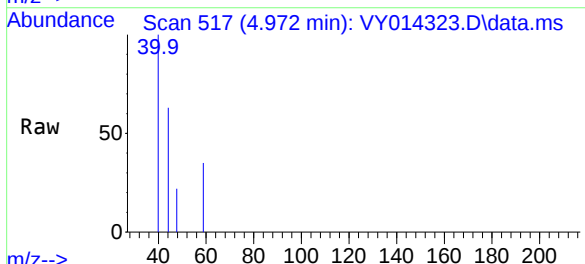
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-6

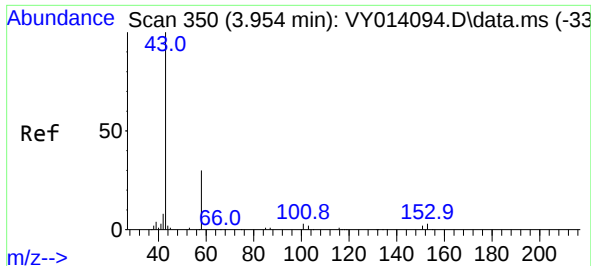
Tgt Ion:168 Resp: 153362
Ion Ratio Lower Upper
168 100
99 51.2 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

Tgt Ion: 59 Resp: 52
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

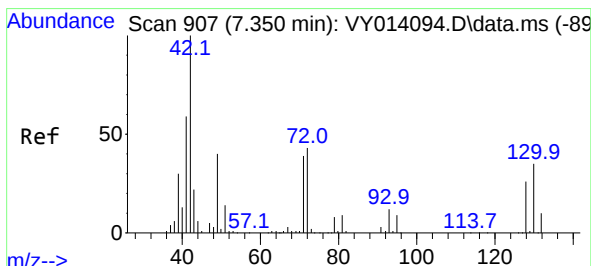
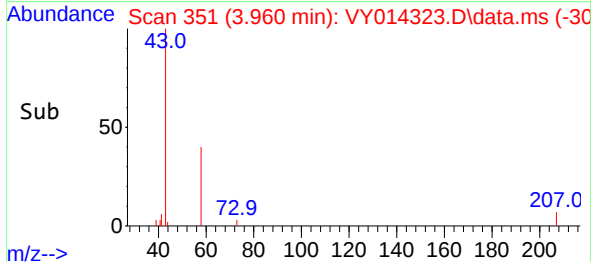
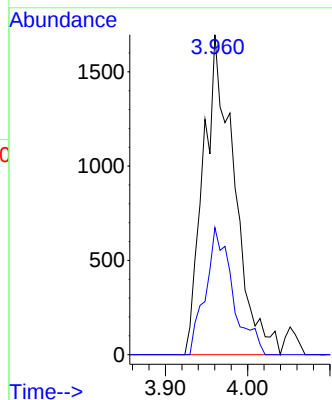
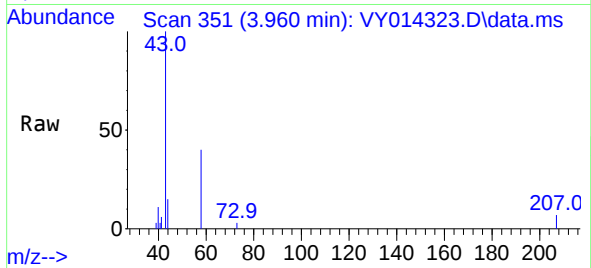




#16
Acetone
Concen: 6.890 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

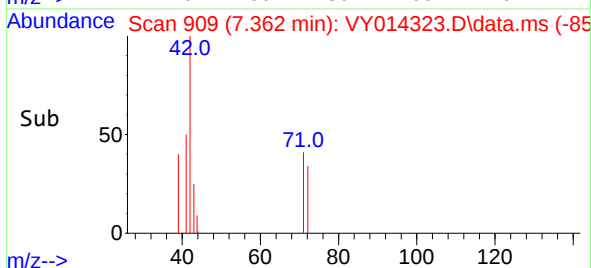
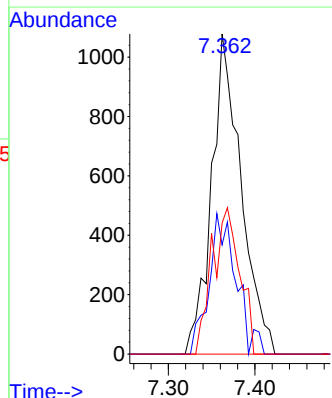
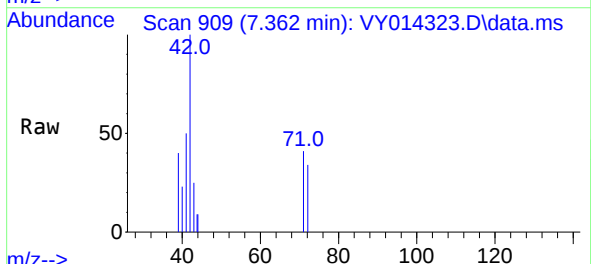
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-6

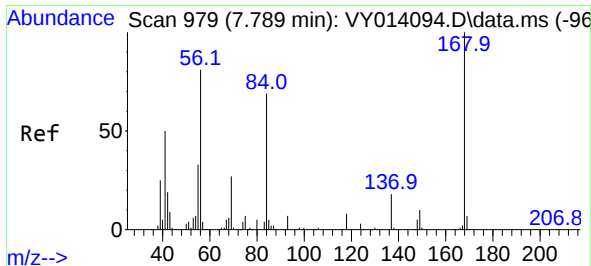
Tgt Ion: 43 Resp: 4435
Ion Ratio Lower Upper
43 100
58 39.7 22.7 34.1#



#29
Tetrahydrofuran
Concen: 5.097 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.012 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

Tgt Ion: 42 Resp: 2561
Ion Ratio Lower Upper
42 100
72 40.3 32.8 49.2
71 42.8 31.0 46.4

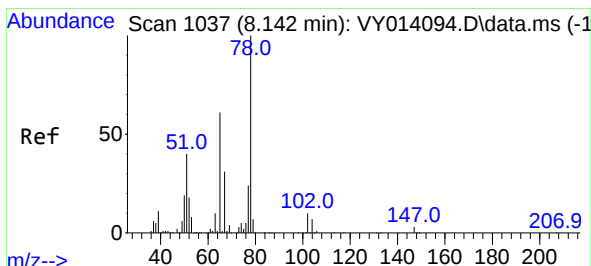
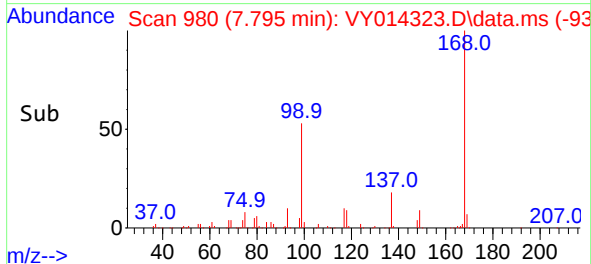
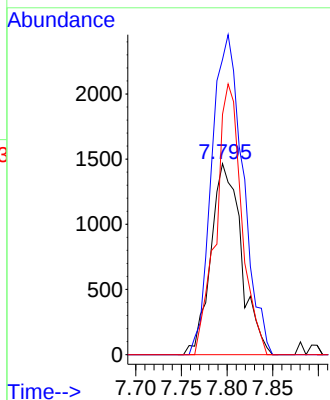
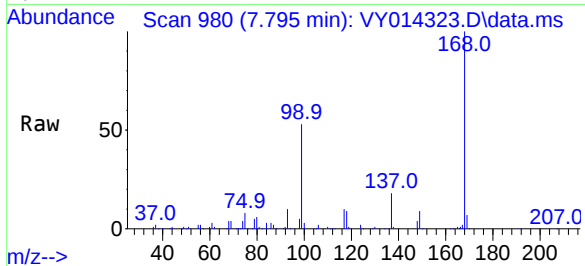




#31
Cyclohexane
Concen: 1.187 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

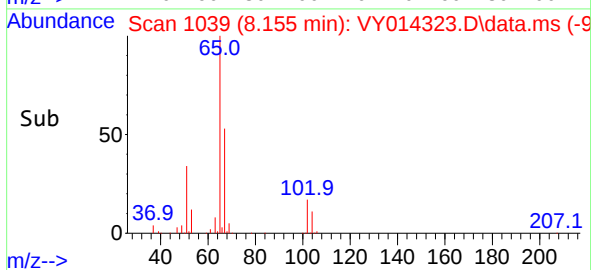
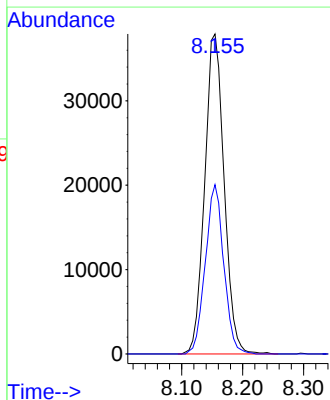
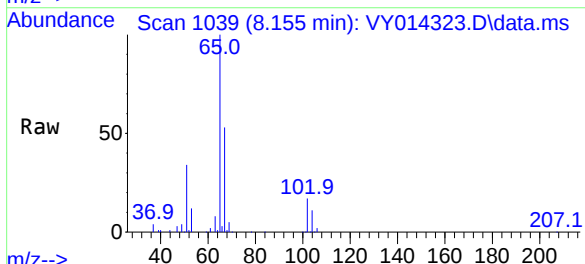
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-6

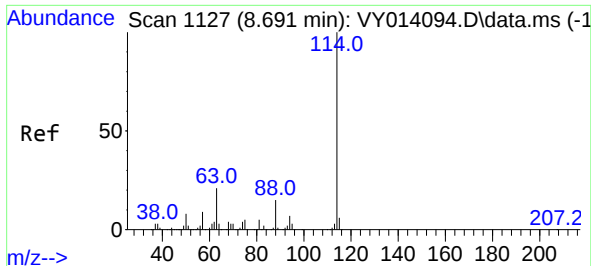
Tgt Ion: 56 Resp: 3397
Ion Ratio Lower Upper
56 100
69 154.5 27.8 41.6#
84 125.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 39.318 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

Tgt Ion: 65 Resp: 83968
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.8

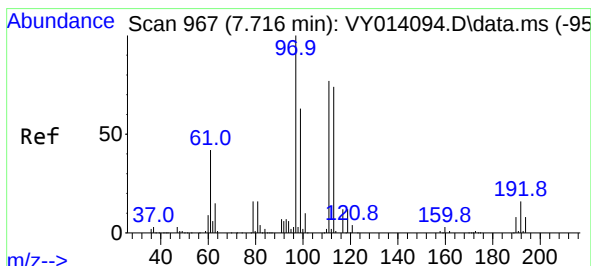
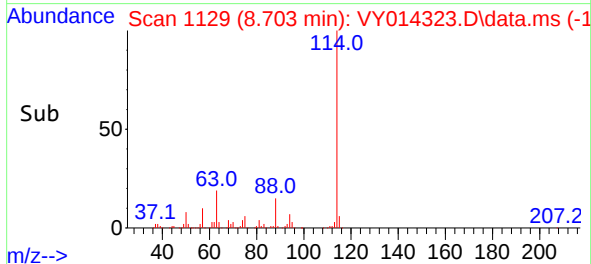
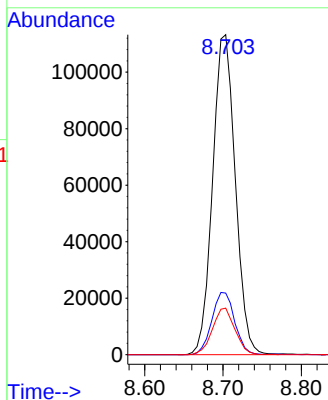
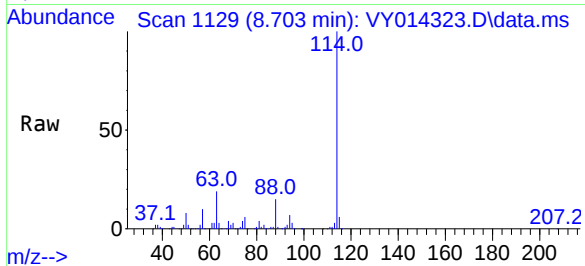




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1127
Delta R.T. 0.012 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

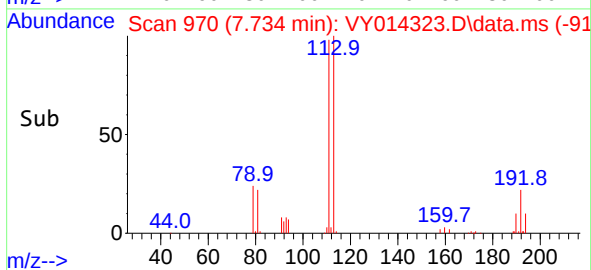
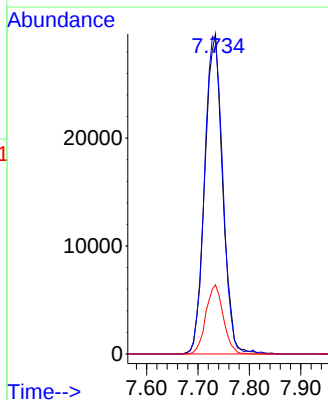
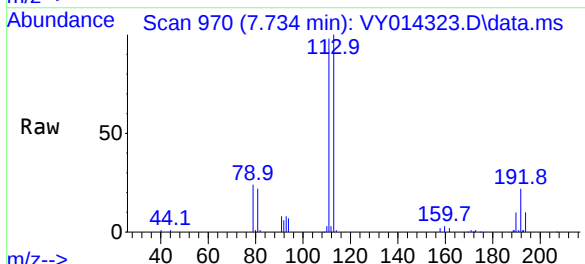
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-6

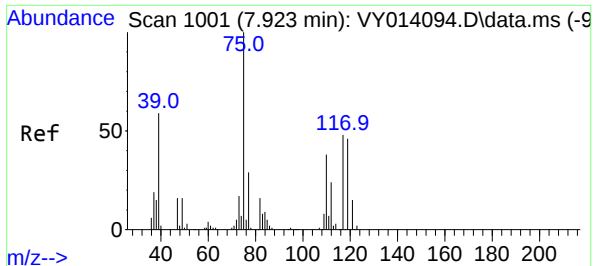
Tgt Ion:	114	Resp:	227718
Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	42.4
88	14.5	0.0	30.6



#35
Dibromofluoromethane
Concen: 44.346 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.018 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

Tgt Ion:	113	Resp:	71615
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.3	121.9
192	21.0	16.9	25.3





#36

1,1-Dichloropropene

Concen: 4.626 ug/l

RT: 7.807 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY014323.D

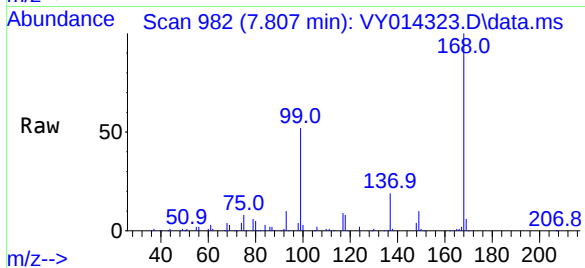
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Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW01-8-15-GRAB-6



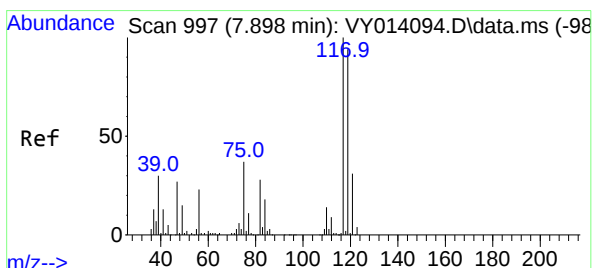
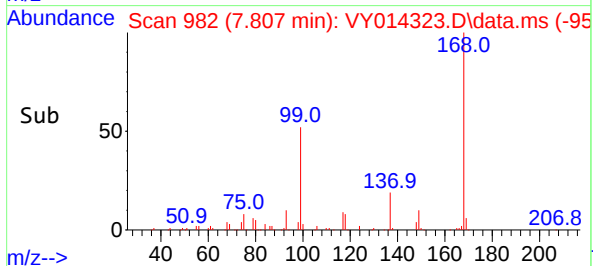
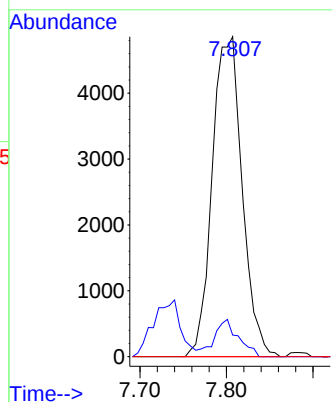
Tgt Ion: 75 Resp: 11647

Ion Ratio Lower Upper

75 100

110 9.1 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.312 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.097 min

Lab File: VY014323.D

Acq: 21 Jun 2023 07:54

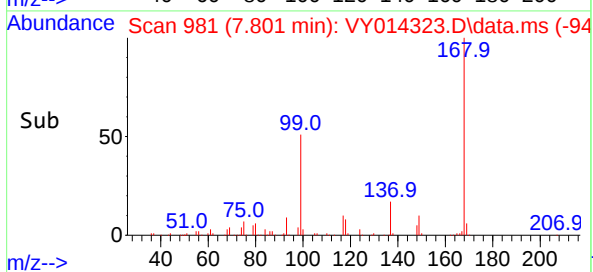
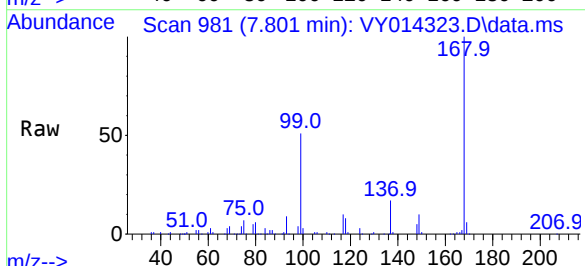
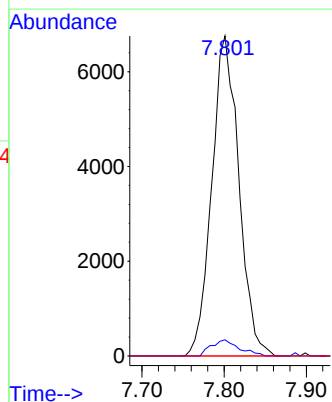
Tgt Ion: 117 Resp: 15433

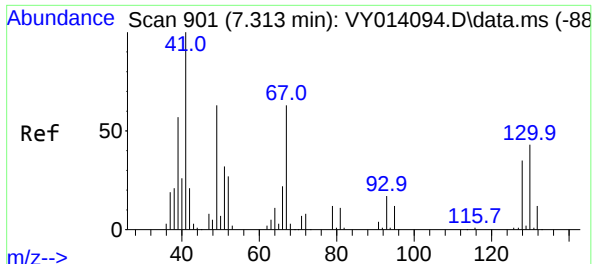
Ion Ratio Lower Upper

117 100

119 5.0 76.4 114.6#

121 0.0 25.8 38.6#

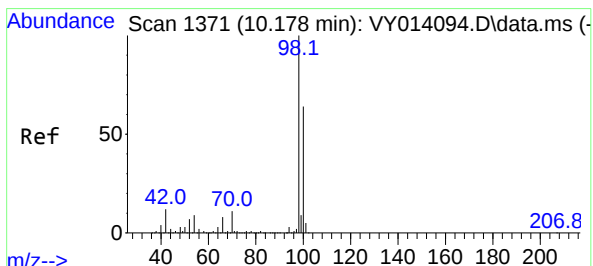
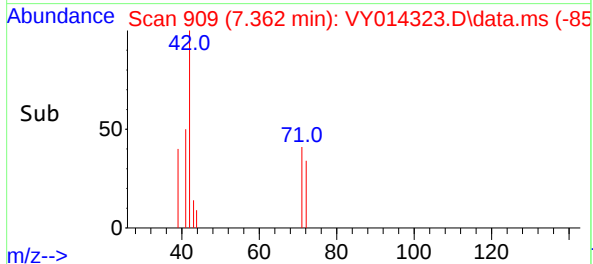
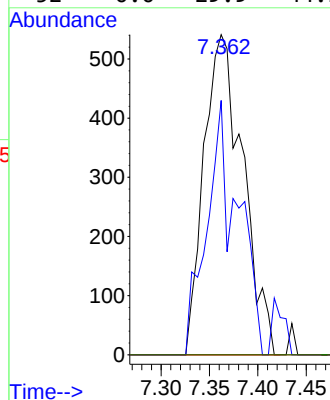
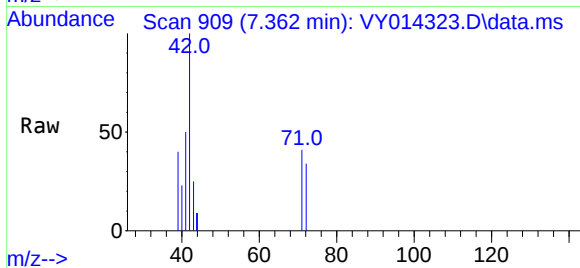




#41
Methacrylonitrile
Concen: 1.712 ug/l
RT: 7.362 min Scan# 901
Delta R.T. 0.049 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

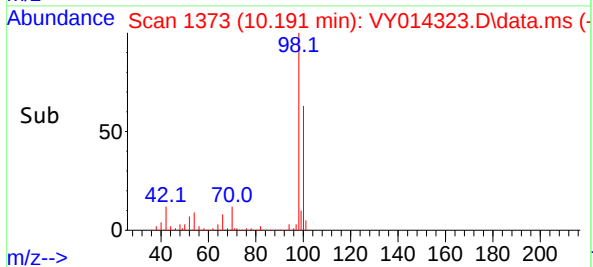
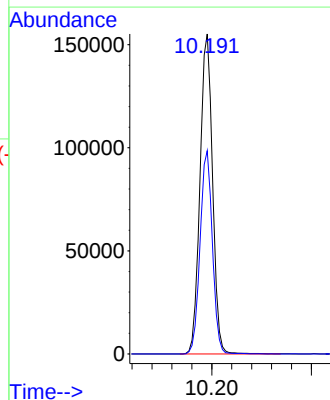
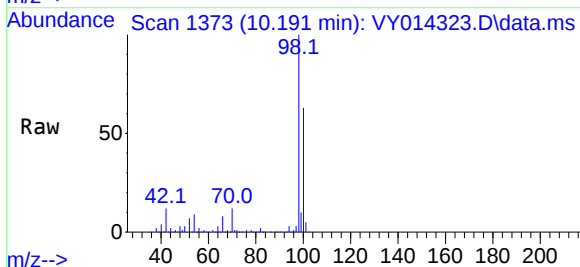
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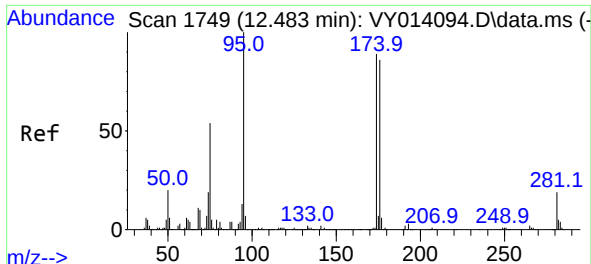
Tgt Ion: 41	Resp: 1518
Ion Ratio	Lower Upper
41 100	
39 51.1	52.1 78.1#
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 44.891 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

Tgt Ion: 98	Resp: 271031
Ion Ratio	Lower Upper
98 100	
100 62.3	50.1 75.1

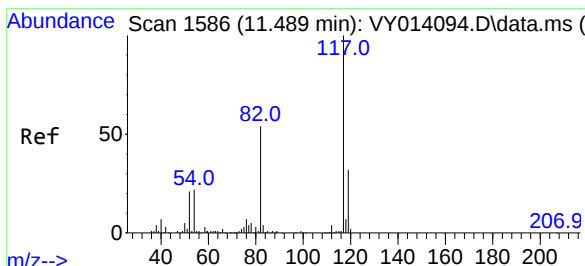
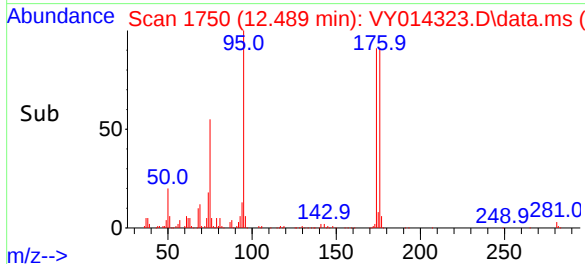
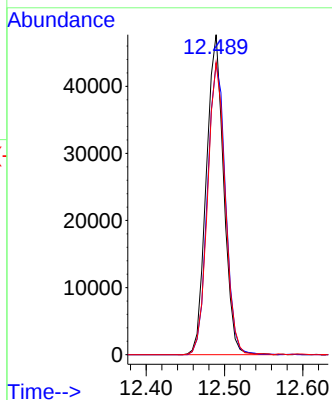
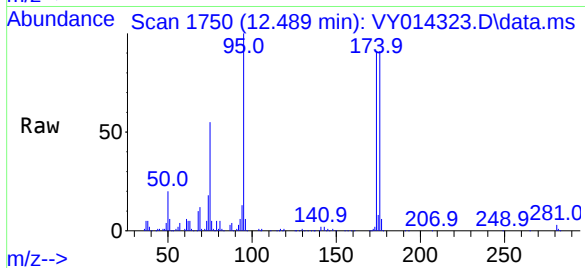




#62
4-Bromofluorobenzene
Concen: 34.173 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

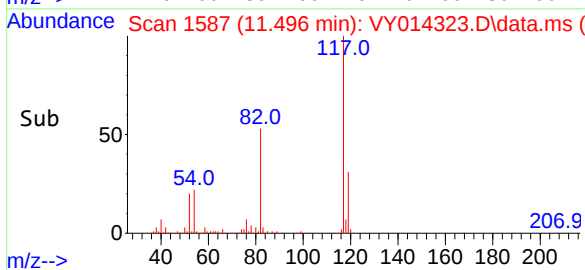
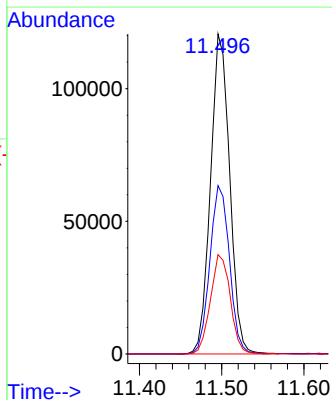
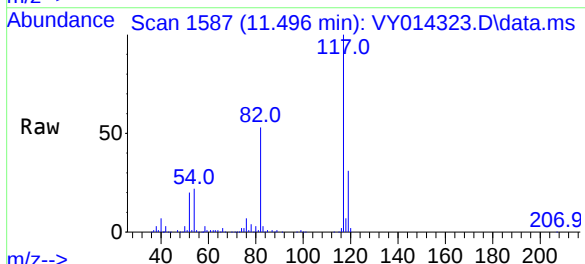
Instrument :
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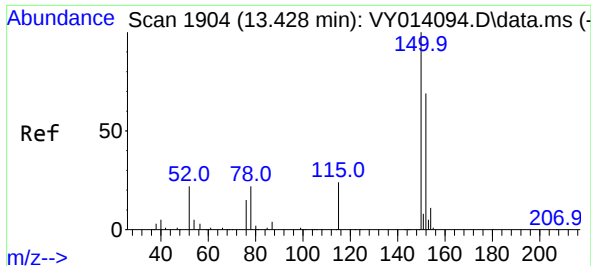
Tgt Ion:	95	Resp:	73291
Ion	Ratio	Lower	Upper
95	100		
174	94.7	0.0	178.2
176	92.4	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

Tgt Ion:	117	Resp:	195305
Ion	Ratio	Lower	Upper
117	100		
82	52.6	43.4	65.0
119	31.0	26.3	39.5

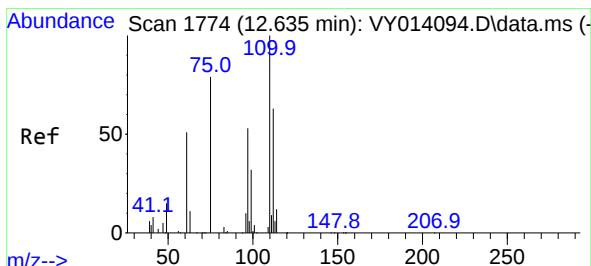
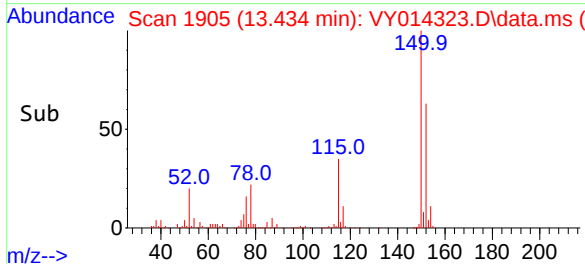
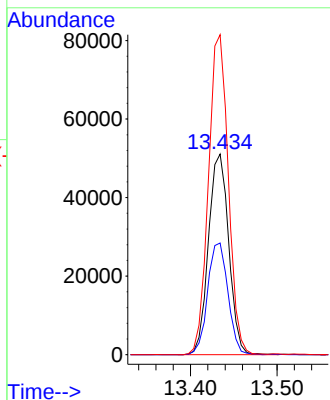
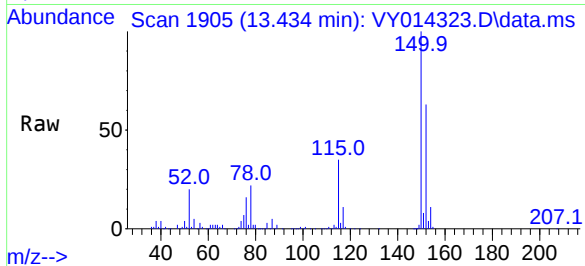




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

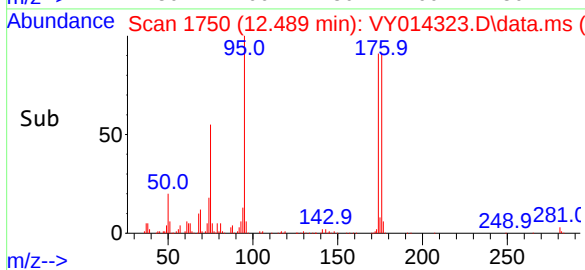
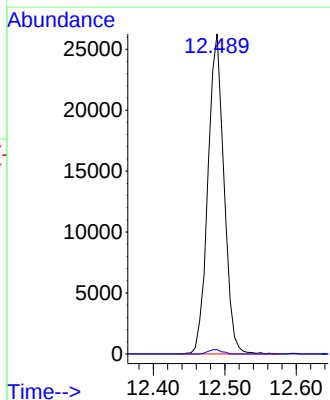
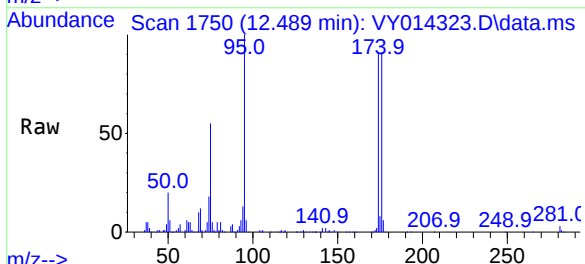
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-6

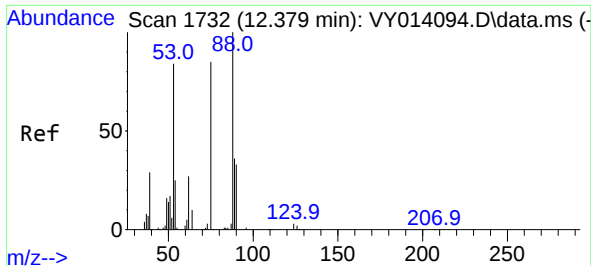
Tgt Ion:152 Resp: 83055
Ion Ratio Lower Upper
152 100
115 55.9 28.8 86.5
150 156.5 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 37.520 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014323.D
Acq: 21 Jun 2023 07:54

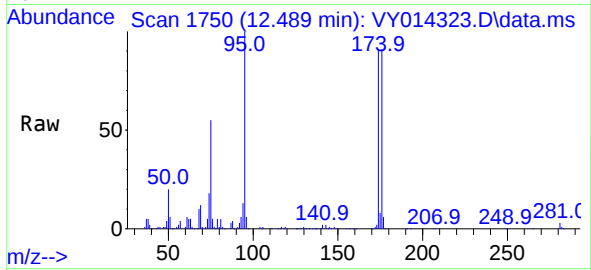
Tgt Ion: 75 Resp: 40884
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.103 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014323.D
 Acq: 21 Jun 2023 07:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW01-8-15-GRAB-6



Tgt Ion: 75 Resp: 40884
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.1 37.4 56.0#

