

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014364.D
 Acq On : 22 Jun 2023 06:08
 Operator : KP/MD
 Sample : 03330-17
 Misc : 5.19g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-MC02-GRAB-6

Quant Time: Jun 22 07:31:10 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)

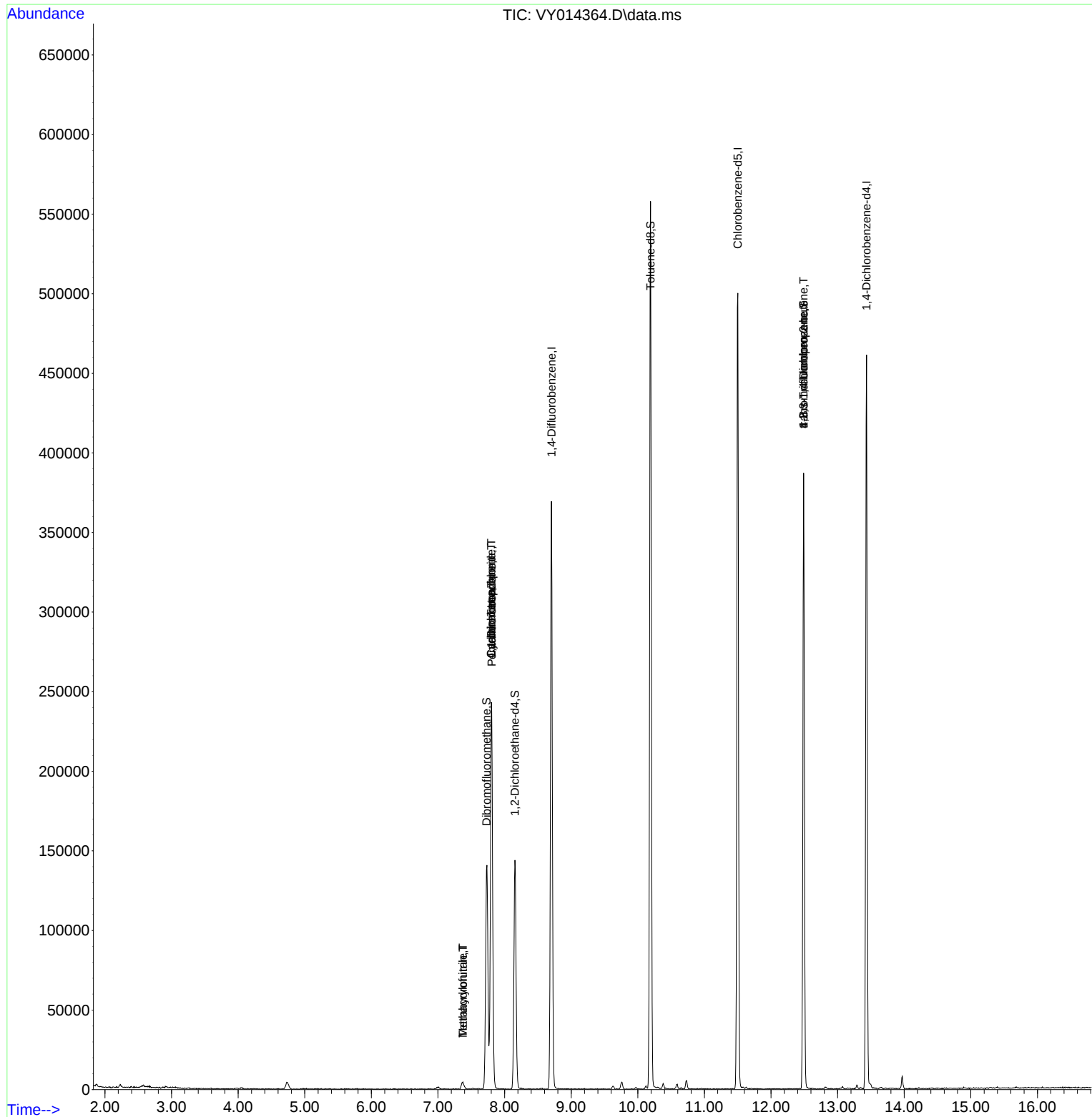
Internal Standards						
1) Pentafluorobenzene	7.807	168	190044	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.703	114	297447	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	273462	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	118615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	124097	46.893	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.780%
35) Dibromofluoromethane	7.728	113	96574	45.782	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.560%
50) Toluene-d8	10.191	98	362245	45.934	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.860%
62) 4-Bromofluorobenzene	12.489	95	104693	37.371	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.740%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	220	Below Cal	#	89
20) Methylene Chloride	4.741	84	3336	Below Cal	#	71
29) Tetrahydrofuran	7.374	42	3559	5.716	ug/l #	88
31) Cyclohexane	7.801	56	3984	1.124	ug/l #	2
36) 1,1-Dichloropropene	7.801	75	13780	4.190	ug/l #	51
38) Carbon Tetrachloride	7.801	117	18410	4.851	ug/l #	17
41) Methacrylonitrile	7.374	41	2079	1.795	ug/l #	45
76) 1,2,3-Trichloropropane	12.489	75	59173	38.024	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	59173	82.193	ug/l #	11

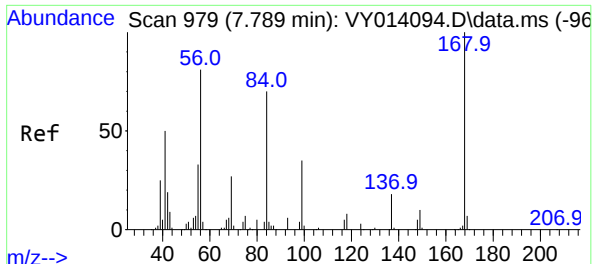
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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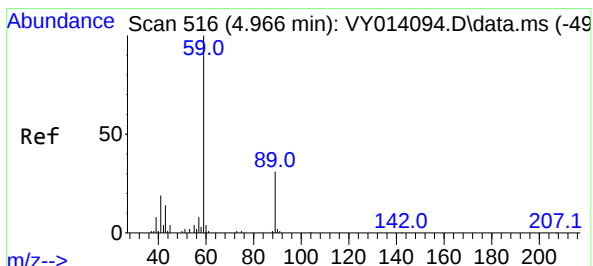
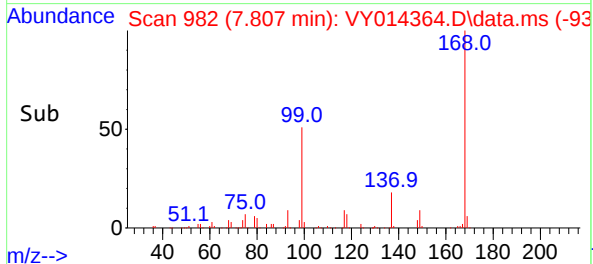
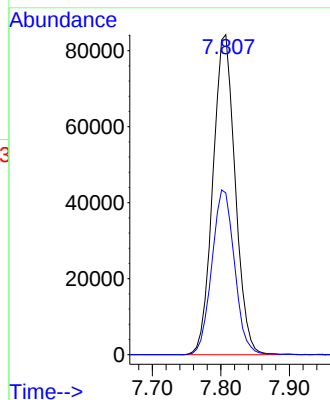
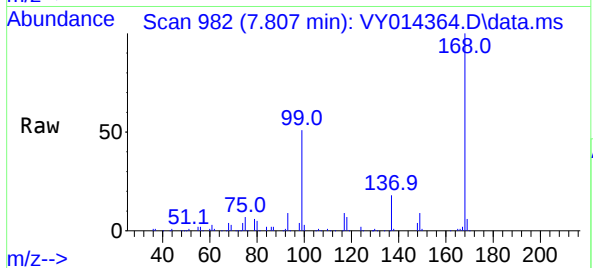




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY014364.D
Acq: 22 Jun 2023 06:08

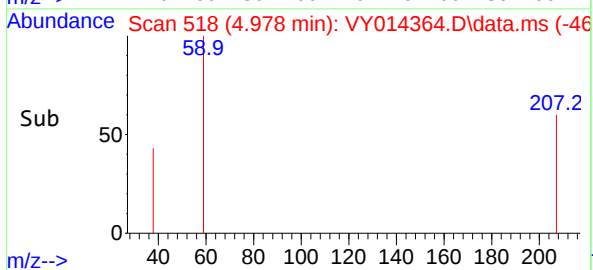
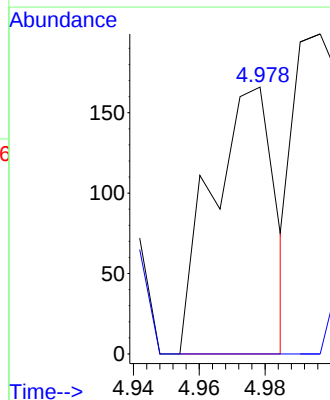
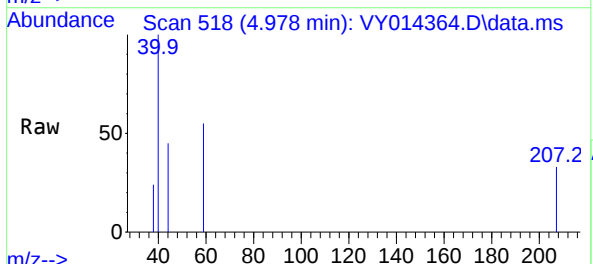
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC02-GRAB-6

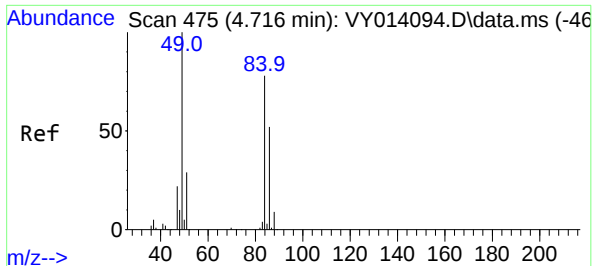
Tgt Ion:168 Resp: 190044
Ion Ratio Lower Upper
168 100
99 50.6 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.978 min Scan# 518
Delta R.T. 0.012 min
Lab File: VY014364.D
Acq: 22 Jun 2023 06:08

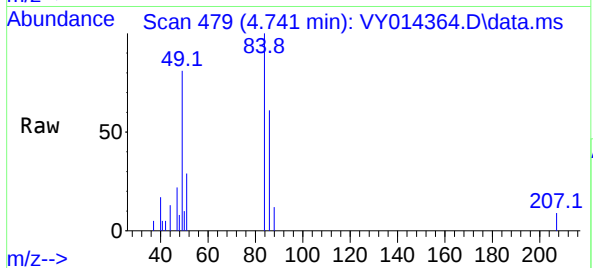
Tgt Ion: 59 Resp: 220
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





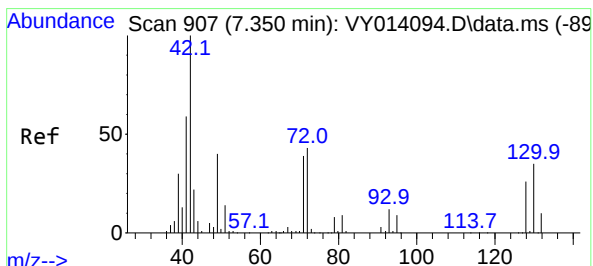
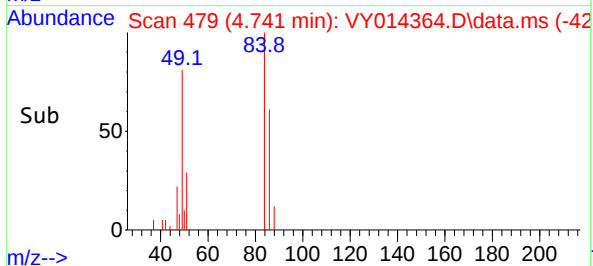
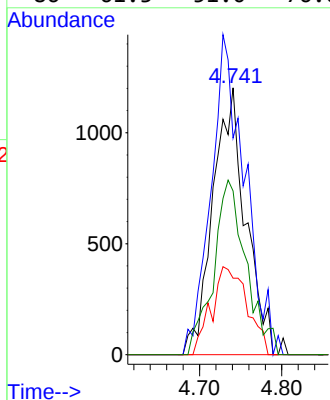
#20
Methylene Chloride
Concen: Below Cal
RT: 4.741 min Scan# 411
Delta R.T. 0.025 min
Lab File: VY014364.D
Acq: 22 Jun 2023 06:08

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC02-GRAB-6



Tgt Ion: 84 Resp: 3336

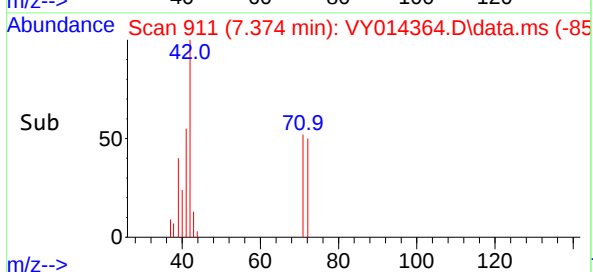
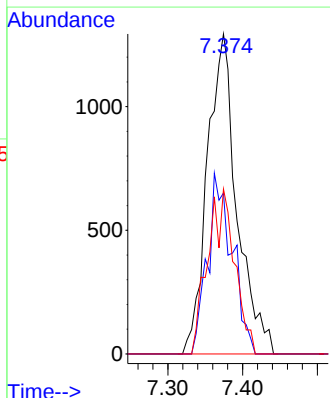
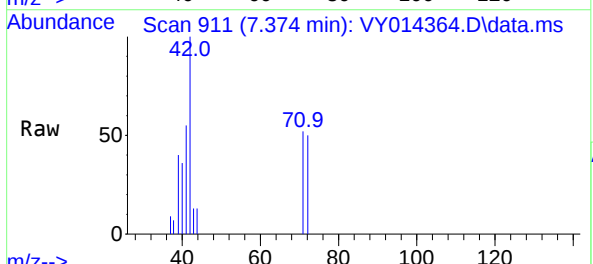
Ion	Ratio	Lower	Upper
84	100		
49	81.1	106.9	160.3#
51	28.7	33.2	49.8#
86	61.3	51.0	76.6

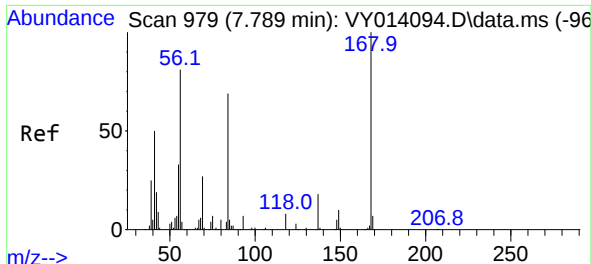


#29
Tetrahydrofuran
Concen: 5.716 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.024 min
Lab File: VY014364.D
Acq: 22 Jun 2023 06:08

Tgt Ion: 42 Resp: 3559

Ion	Ratio	Lower	Upper
42	100		
72	47.3	32.8	49.2
71	46.8	31.0	46.4#

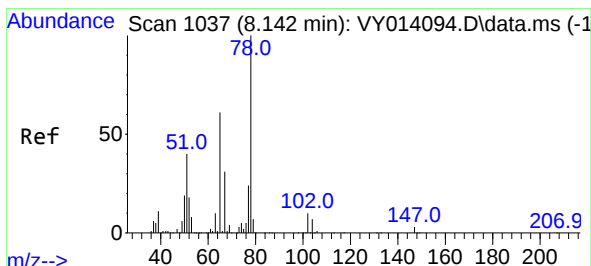
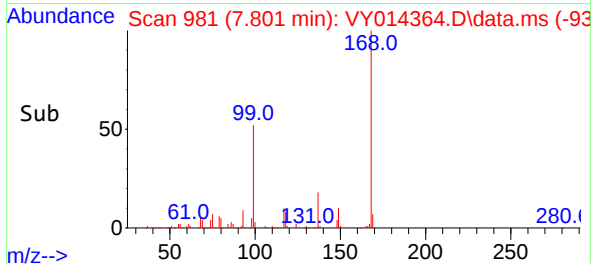
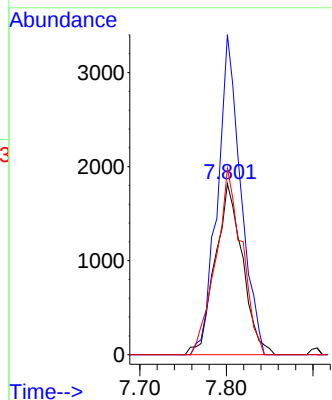
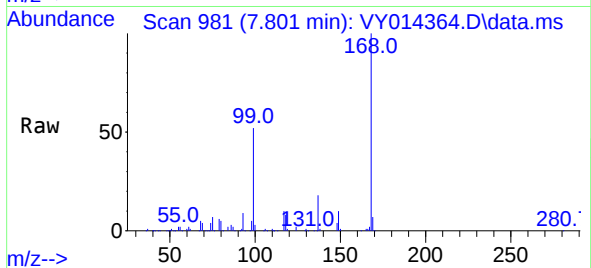




#31
Cyclohexane
Concen: 1.124 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY014364.D
Acq: 22 Jun 2023 06:08

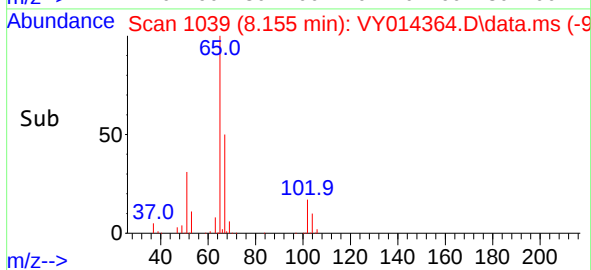
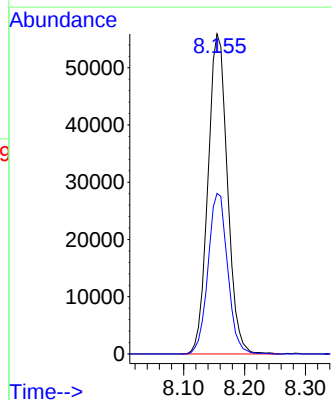
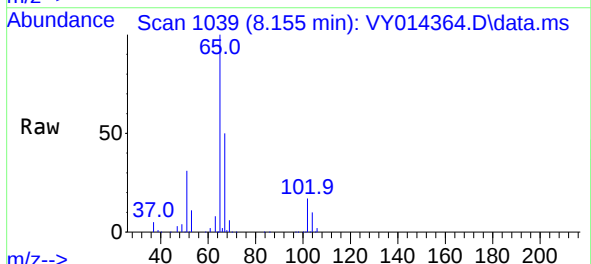
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC02-GRAB-6

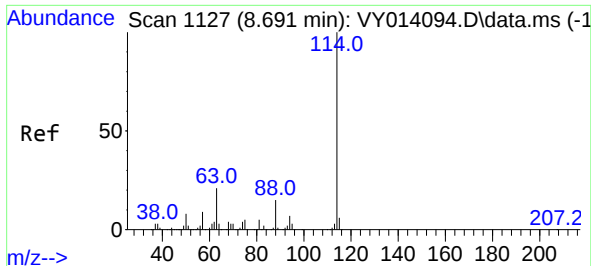
Tgt Ion: 56 Resp: 3984
Ion Ratio Lower Upper
56 100
69 187.3 27.8 41.6#
84 109.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 46.893 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014364.D
Acq: 22 Jun 2023 06:08

Tgt Ion: 65 Resp: 124097
Ion Ratio Lower Upper
65 100
67 50.4 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: VY014364.D

Acq: 22 Jun 2023 06:08

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-MC02-GRAB-6

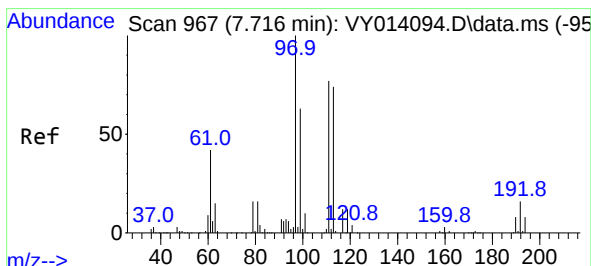
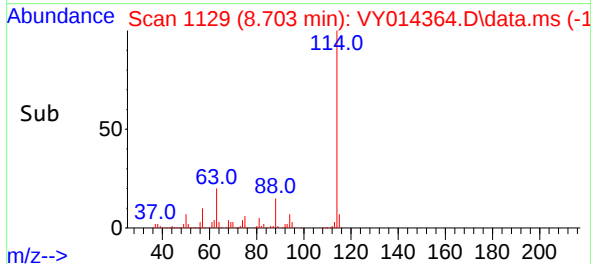
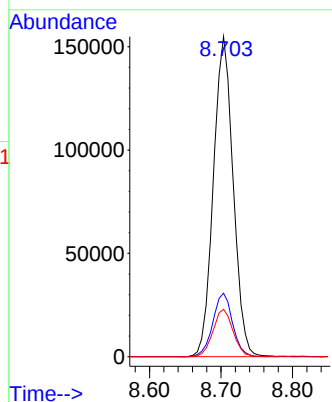
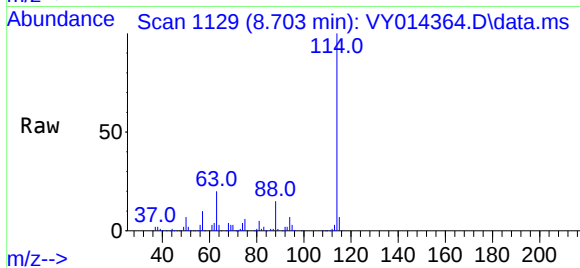
Tgt Ion:114 Resp: 297447

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.782 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014364.D

Acq: 22 Jun 2023 06:08

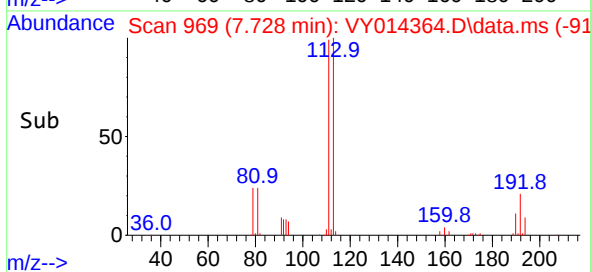
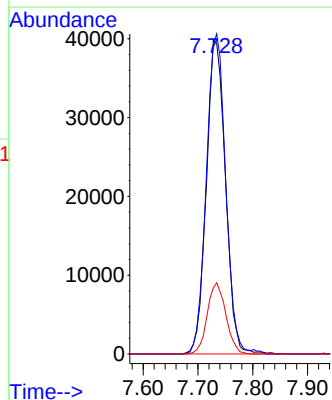
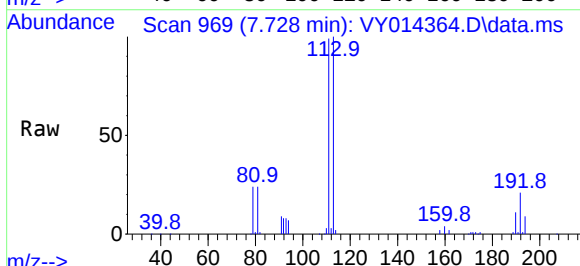
Tgt Ion:113 Resp: 96574

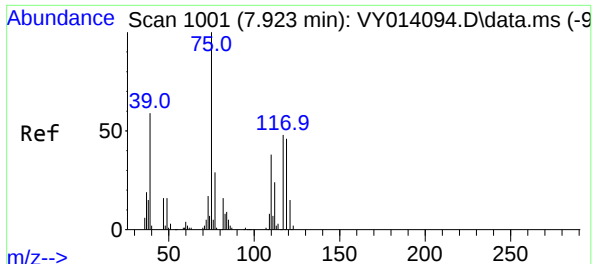
Ion Ratio Lower Upper

113 100

111 102.3 81.3 121.9

192 21.9 16.9 25.3

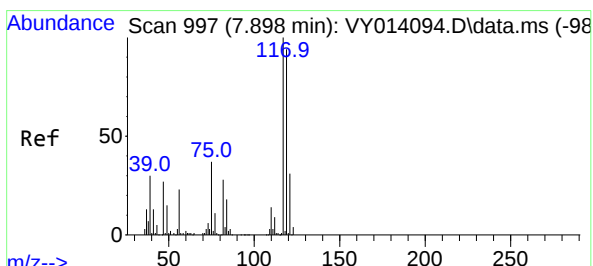
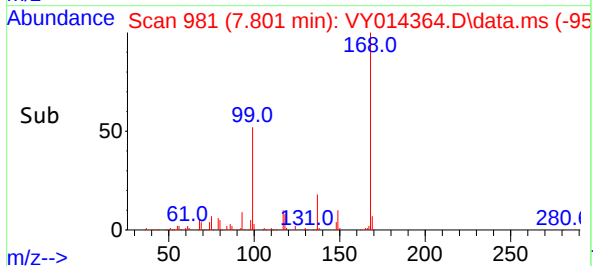
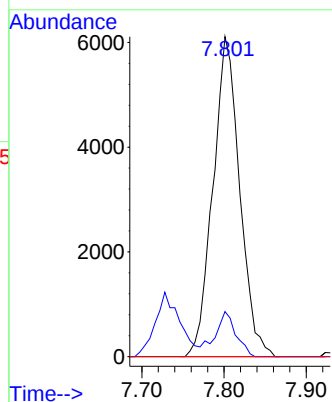
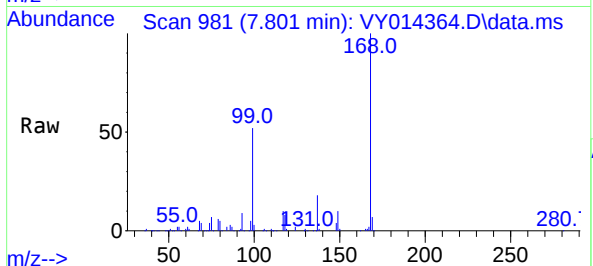




#36
1,1-Dichloropropene
Concen: 4.190 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY014364.D
Acq: 22 Jun 2023 06:08

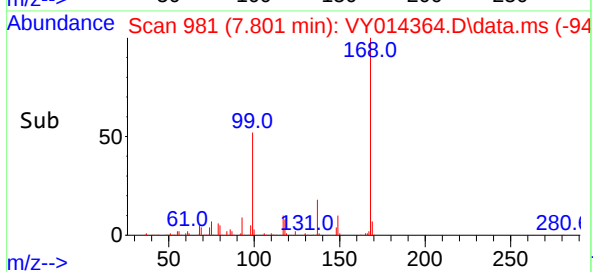
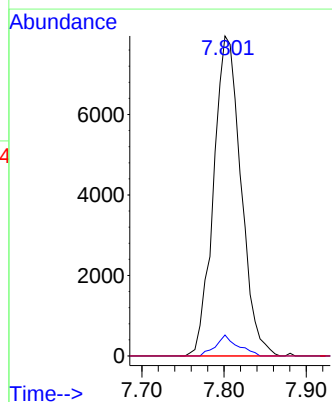
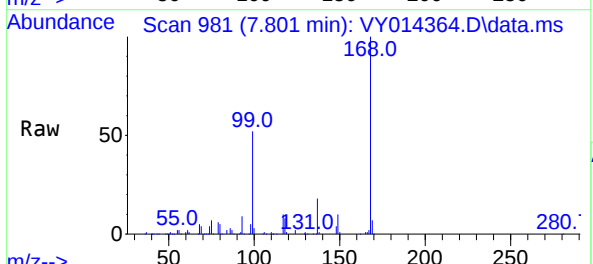
Instrument :
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ClientSampleId :
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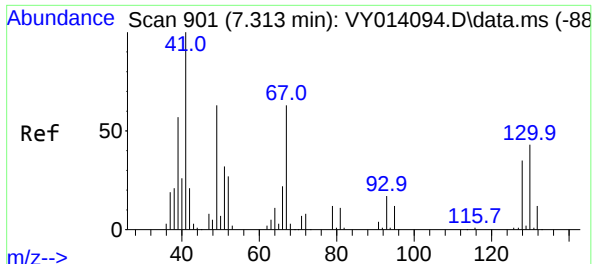
Tgt Ion: 75 Resp: 13780
Ion Ratio Lower Upper
75 100
110 10.9 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.851 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.097 min
Lab File: VY014364.D
Acq: 22 Jun 2023 06:08

Tgt Ion: 117 Resp: 18410
Ion Ratio Lower Upper
117 100
119 6.5 76.4 114.6#
121 0.0 25.8 38.6#

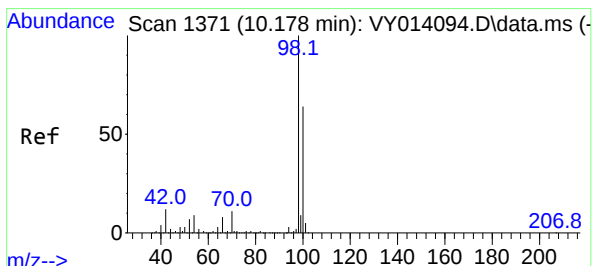
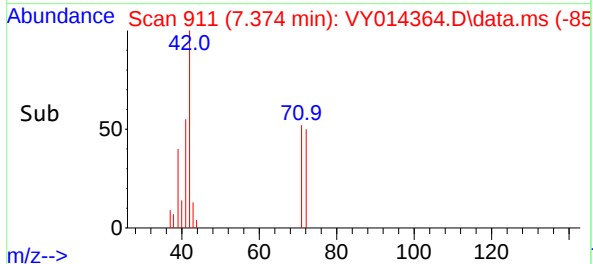
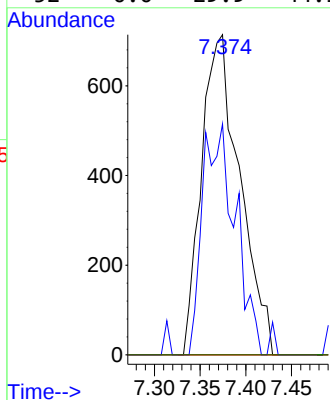
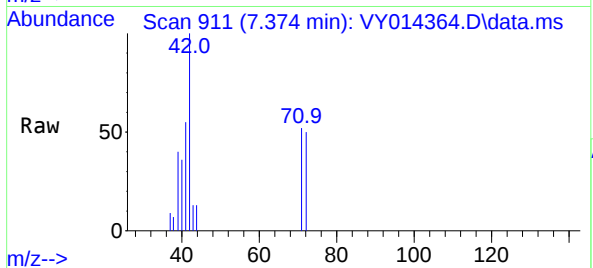




#41
Methacrylonitrile
Concen: 1.795 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.061 min
Lab File: VY014364.D
Acq: 22 Jun 2023 06:08

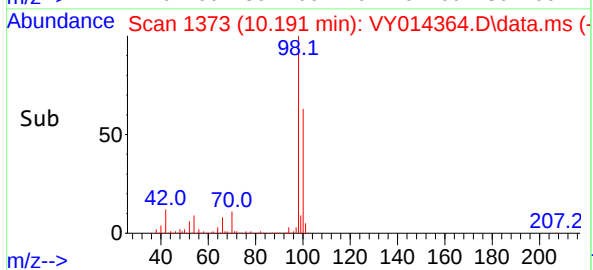
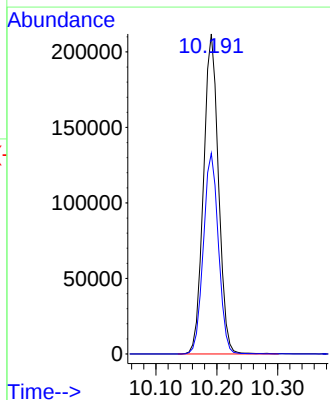
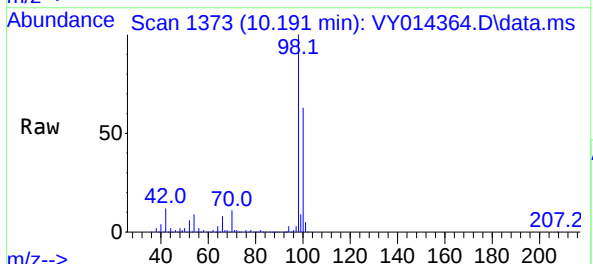
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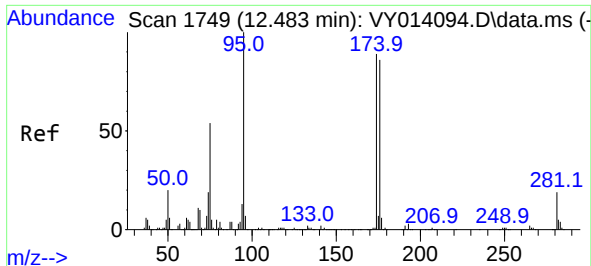
Tgt Ion: 41	Resp: 2079
Ion Ratio	Lower Upper
41 100	
39 61.8	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 45.934 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014364.D
Acq: 22 Jun 2023 06:08

Tgt Ion: 98	Resp: 362245
Ion Ratio	Lower Upper
98 100	
100 62.8	50.1 75.1

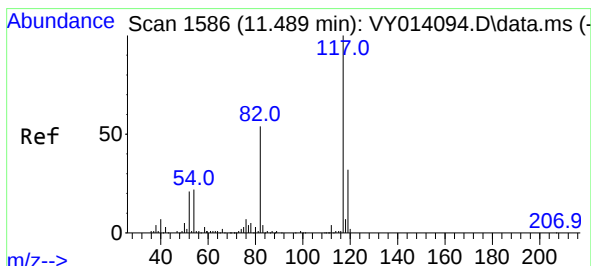
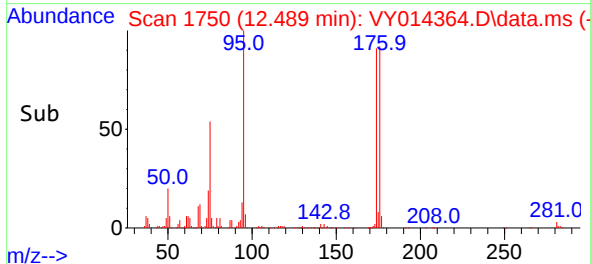
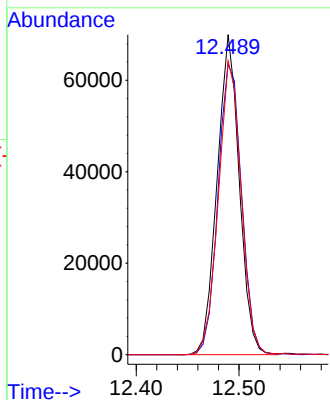
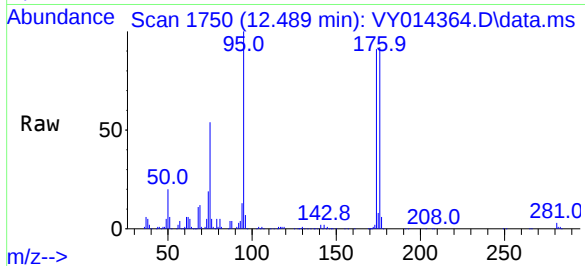




#62
4-Bromofluorobenzene
Concen: 37.371 ug/l
RT: 12.489 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014364.D
Acq: 22 Jun 2023 06:08

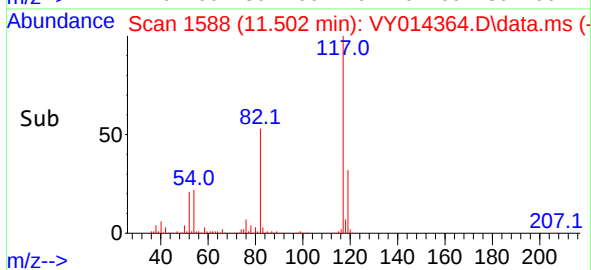
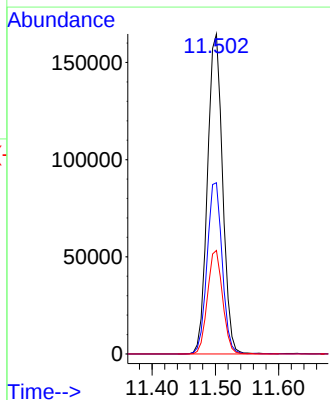
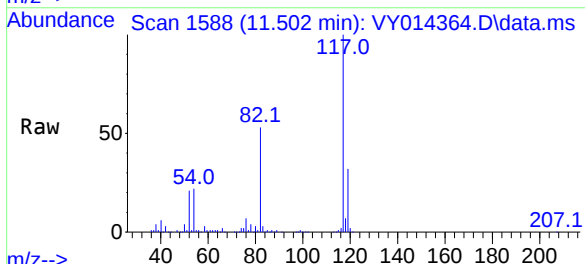
Instrument :
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TOTAL-VOC-MC02-GRAB-6

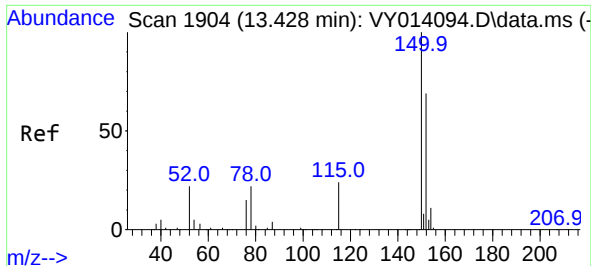
Tgt Ion: 95 Resp: 104693
Ion Ratio Lower Upper
95 100
174 96.5 0.0 178.2
176 94.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.013 min
Lab File: VY014364.D
Acq: 22 Jun 2023 06:08

Tgt Ion: 117 Resp: 273462
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 32.4 26.3 39.5

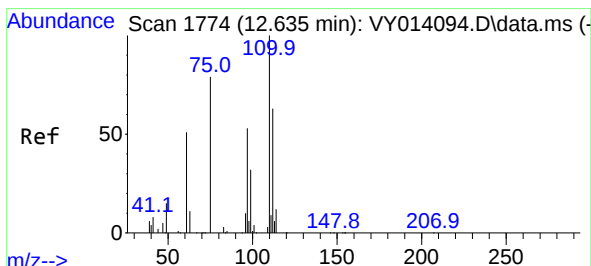
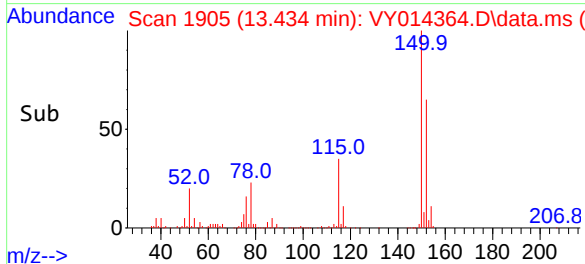
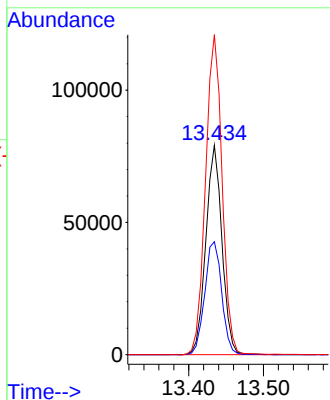
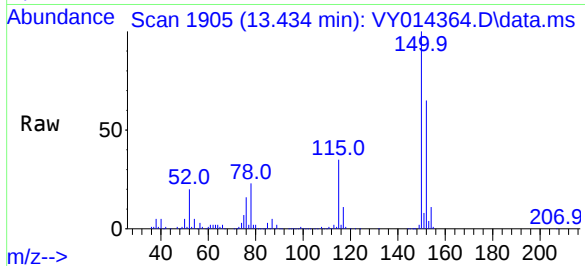




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014364.D
Acq: 22 Jun 2023 06:08

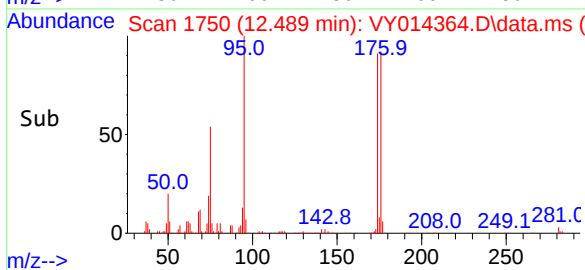
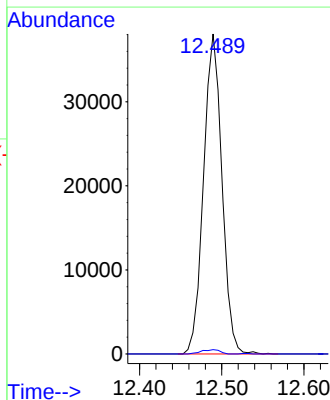
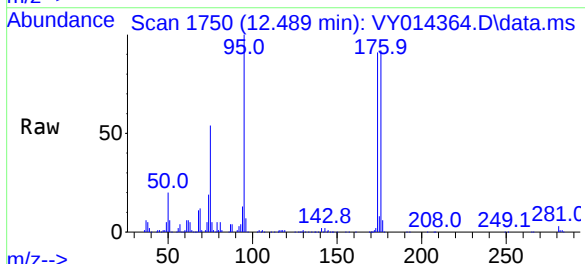
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC02-GRAB-6

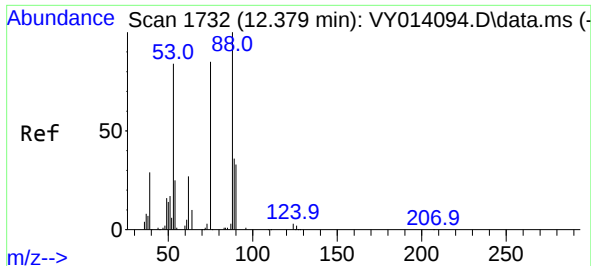
Tgt Ion:152 Resp: 118615
Ion Ratio Lower Upper
152 100
115 56.7 28.8 86.5
150 156.8 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 38.024 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014364.D
Acq: 22 Jun 2023 06:08

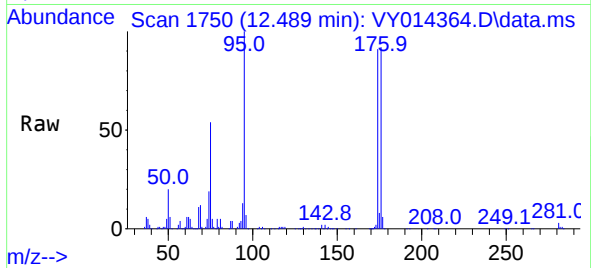
Tgt Ion: 75 Resp: 59173
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.193 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014364.D
 Acq: 22 Jun 2023 06:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-MC02-GRAB-6



Tgt Ion: 75 Resp: 59173
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

