

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014362.D
 Acq On : 22 Jun 2023 05:21
 Operator : KP/MD
 Sample : 03330-11
 Misc : 4.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-MC01-GRAB-6

Quant Time: Jun 22 07:30:49 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)

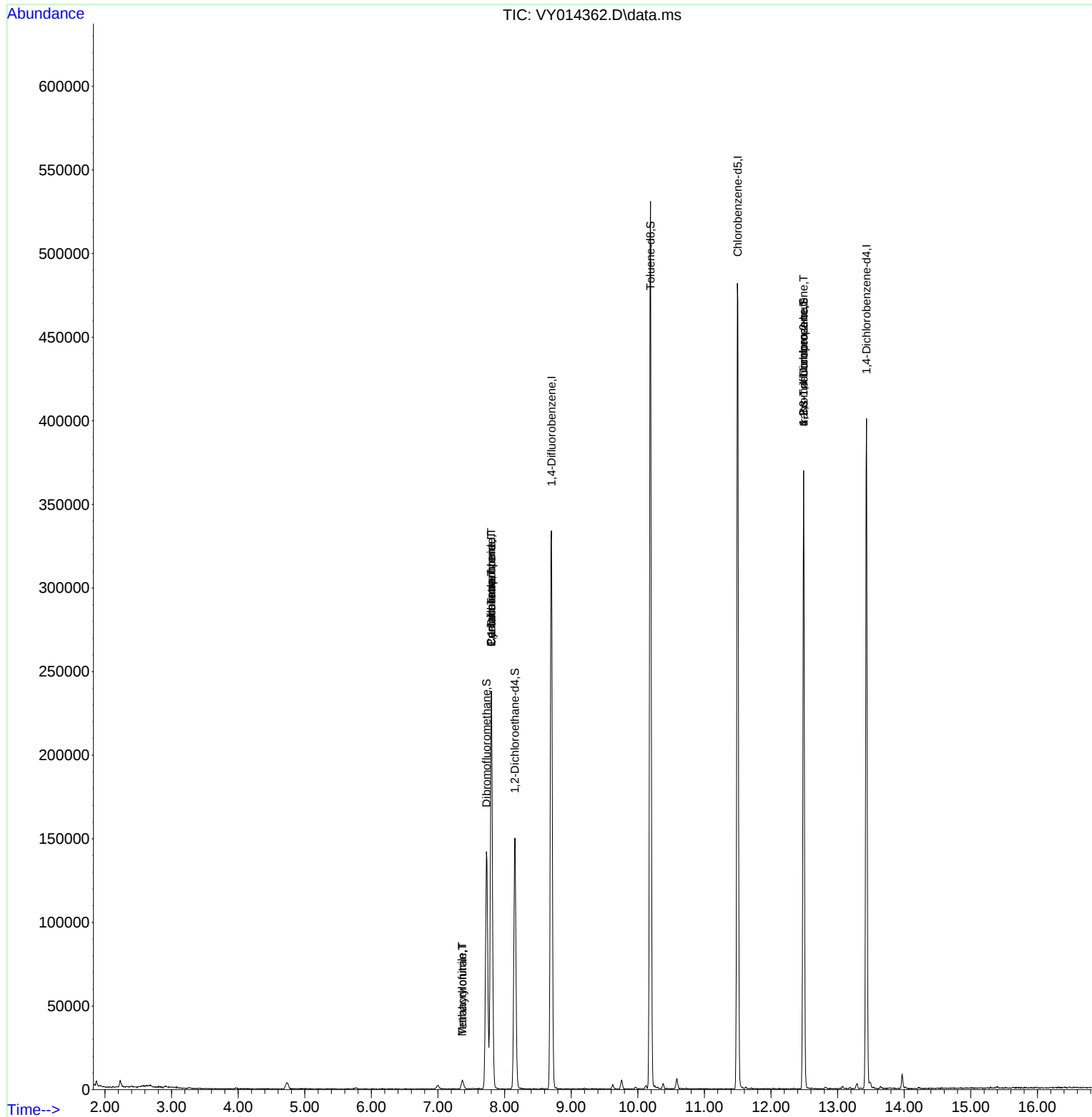
Internal Standards						
1) Pentafluorobenzene	7.801	168	185574	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	289926	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.501	117	262612	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	103330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	127539	49.354	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.700%		
35) Dibromofluoromethane	7.728	113	95167	46.285	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.580%		
50) Toluene-d8	10.191	98	347619	45.222	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.440%		
62) 4-Bromofluorobenzene	12.489	95	98995	36.254	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	72.500%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	264	Below Cal	#	89
20) Methylene Chloride	4.722	84	2552	Below Cal	#	77
29) Tetrahydrofuran	7.368	42	4060	6.677	ug/l	94
31) Cyclohexane	7.801	56	4114	1.188	ug/l	# 19
36) 1,1-Dichloropropene	7.801	75	13388	4.177	ug/l	# 50
38) Carbon Tetrachloride	7.801	117	18068	4.884	ug/l	# 17
41) Methacrylonitrile	7.362	41	2574	2.280	ug/l	# 41
76) 1,2,3-Trichloropropane	12.489	75	55798	41.159	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.489	75	55798	88.970	ug/l	# 11

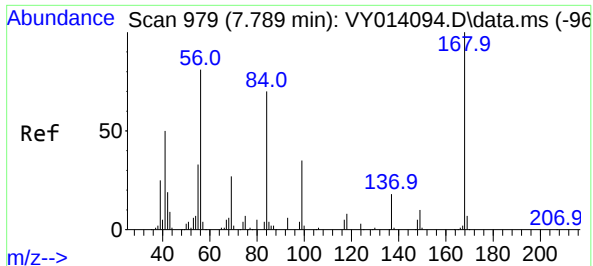
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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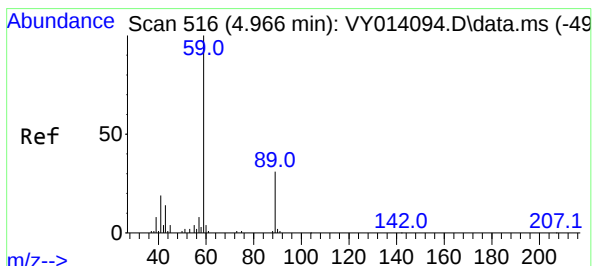
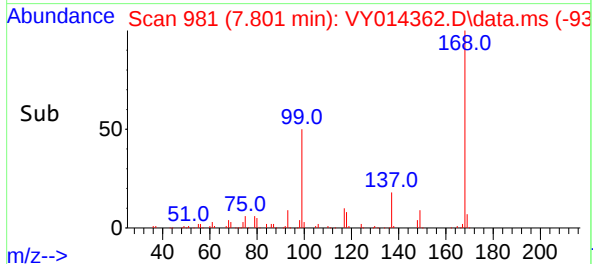
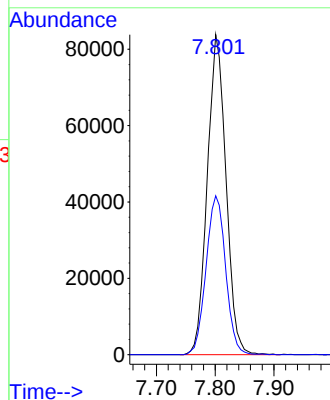
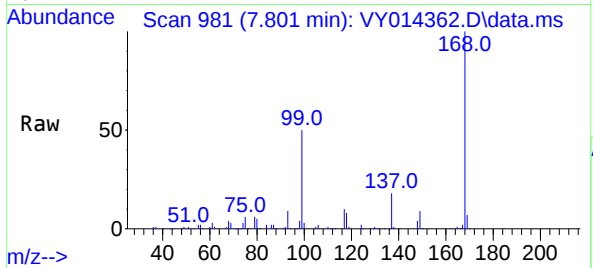




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014362.D
Acq: 22 Jun 2023 05:21

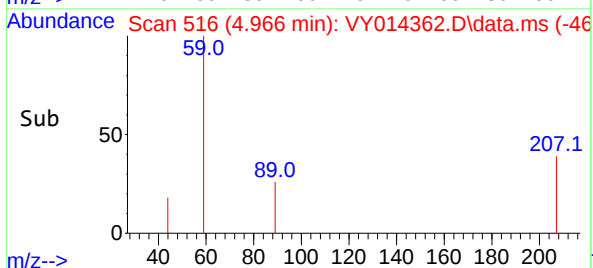
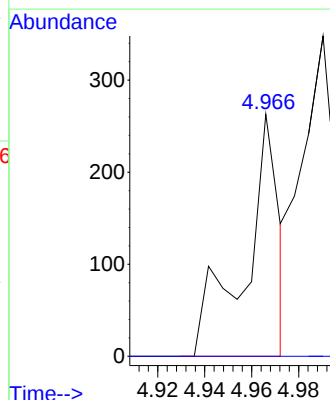
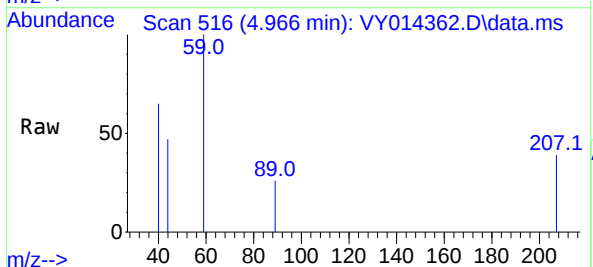
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-6

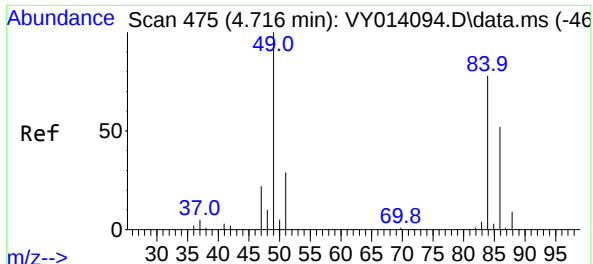
Tgt Ion:168 Resp: 185574
Ion Ratio Lower Upper
168 100
99 49.7 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY014362.D
Acq: 22 Jun 2023 05:21

Tgt Ion: 59 Resp: 264
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



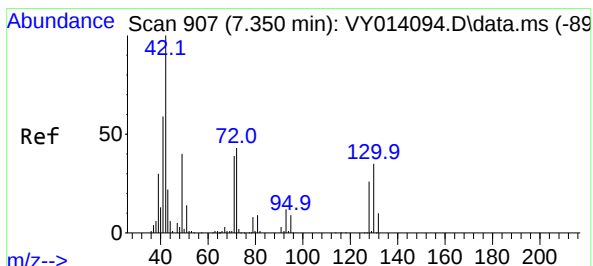
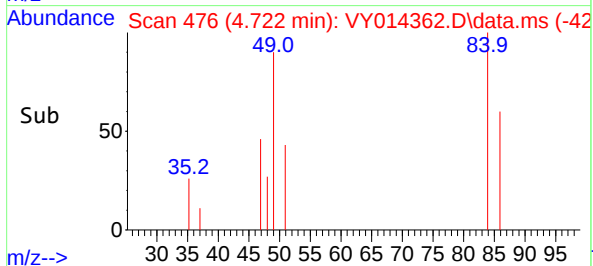
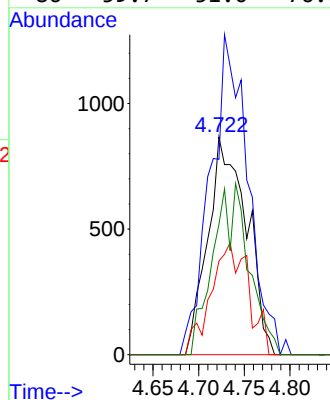
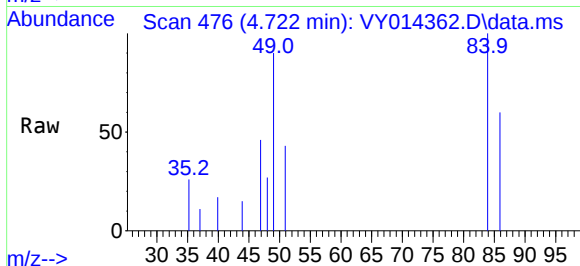


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014362.D
Acq: 22 Jun 2023 05:21

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-6

Tgt Ion: 84 Resp: 2552

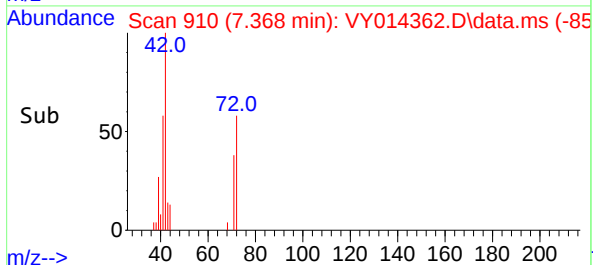
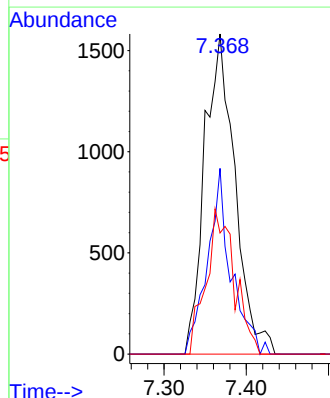
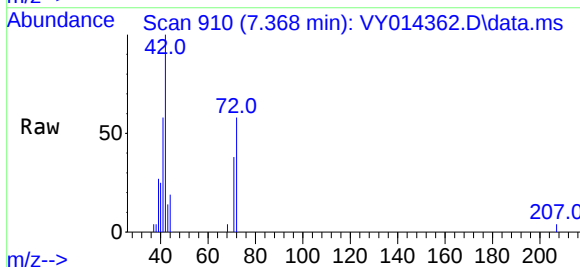
Ion	Ratio	Lower	Upper
84	100		
49	89.7	106.9	160.3#
51	43.0	33.2	49.8
86	59.7	51.0	76.6

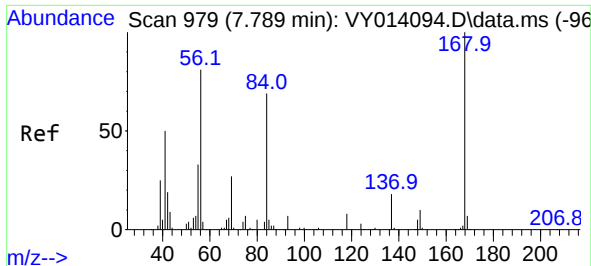


#29
Tetrahydrofuran
Concen: 6.677 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.018 min
Lab File: VY014362.D
Acq: 22 Jun 2023 05:21

Tgt Ion: 42 Resp: 4060

Ion	Ratio	Lower	Upper
42	100		
72	45.3	32.8	49.2
71	42.2	31.0	46.4

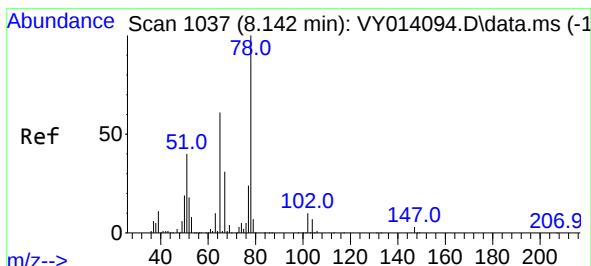
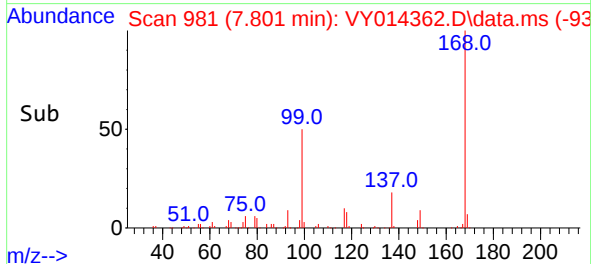
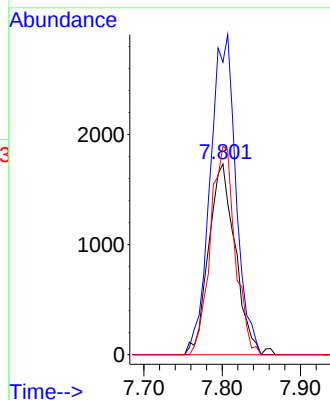
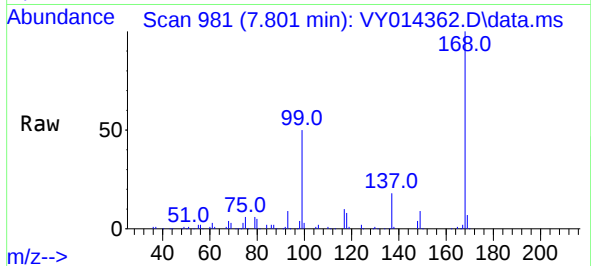




#31
Cyclohexane
Concen: 1.188 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY014362.D
Acq: 22 Jun 2023 05:21

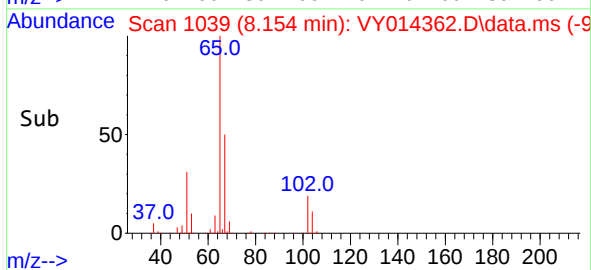
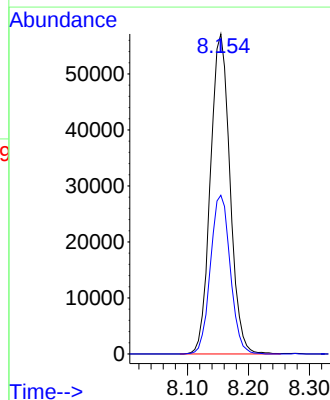
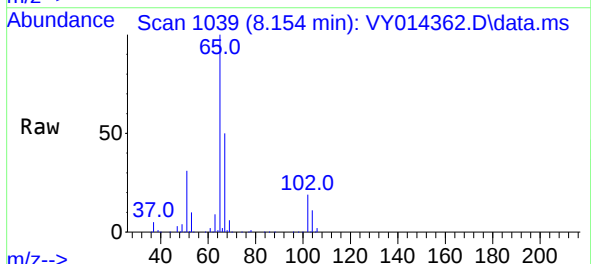
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-6

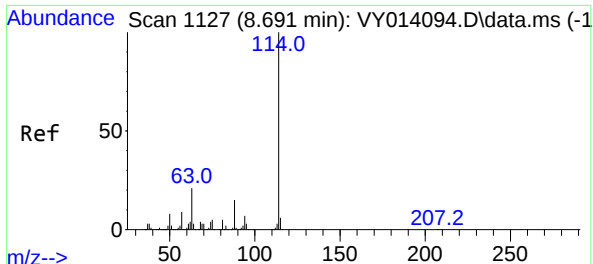
Tgt Ion: 56 Resp: 4114
Ion Ratio Lower Upper
56 100
69 153.3 27.8 41.6#
84 109.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.354 ug/l
RT: 8.154 min Scan# 1039
Delta R.T. 0.012 min
Lab File: VY014362.D
Acq: 22 Jun 2023 05:21

Tgt Ion: 65 Resp: 127539
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: VY014362.D

Acq: 22 Jun 2023 05:21

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-MC01-GRAB-6

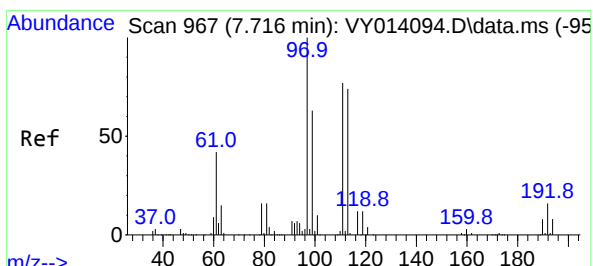
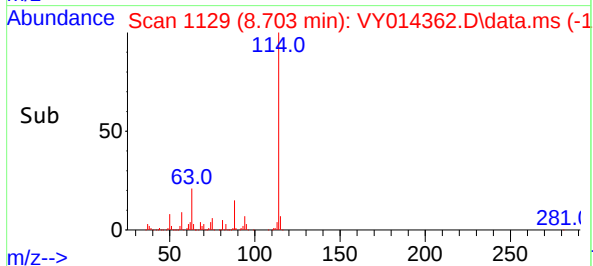
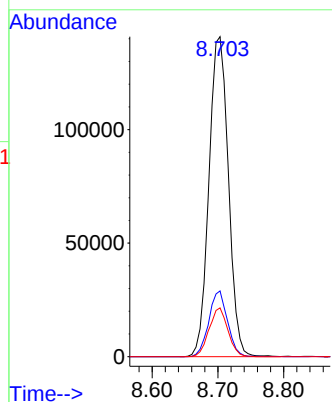
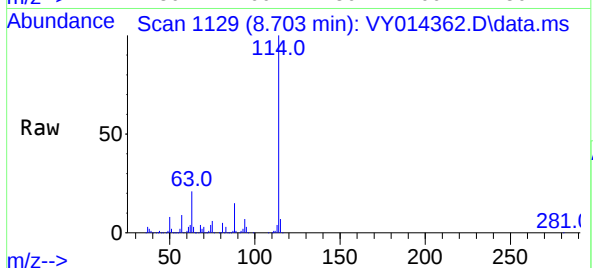
Tgt Ion:114 Resp: 289926

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.285 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014362.D

Acq: 22 Jun 2023 05:21

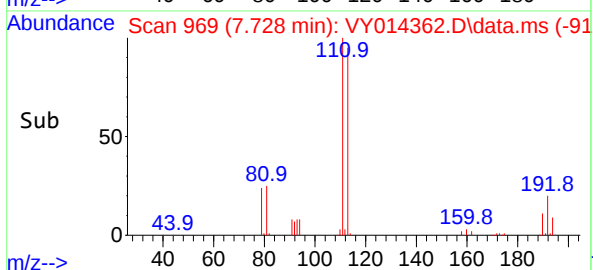
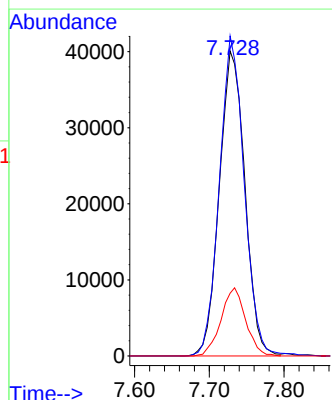
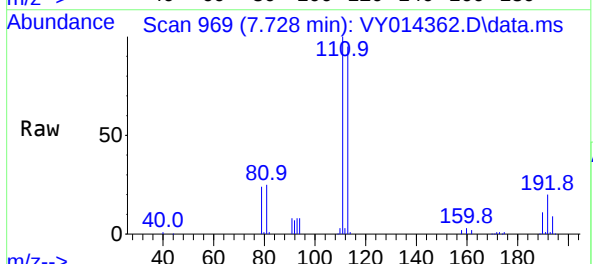
Tgt Ion:113 Resp: 95167

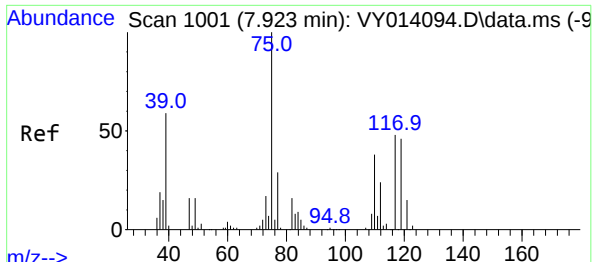
Ion Ratio Lower Upper

113 100

111 102.3 81.3 121.9

192 21.7 16.9 25.3

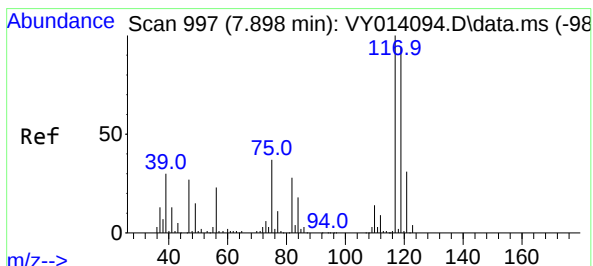
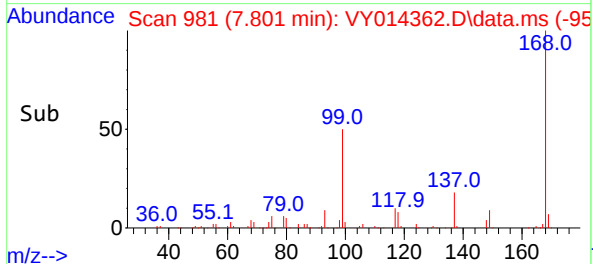
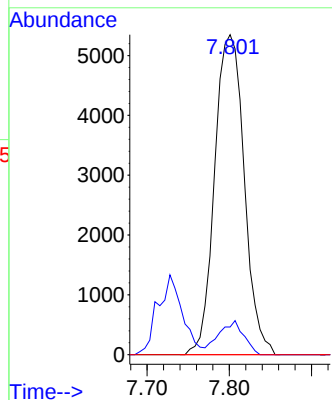
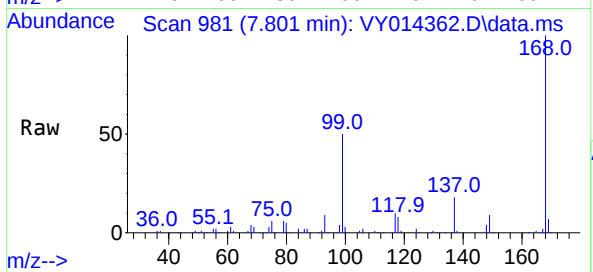




#36
1,1-Dichloropropene
Concen: 4.177 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY014362.D
Acq: 22 Jun 2023 05:21

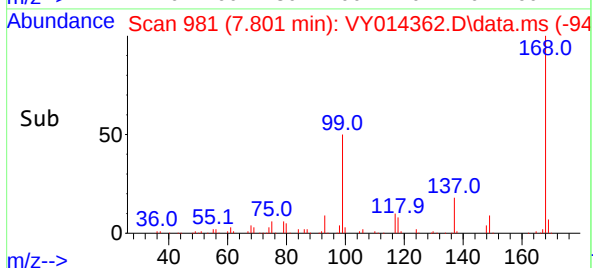
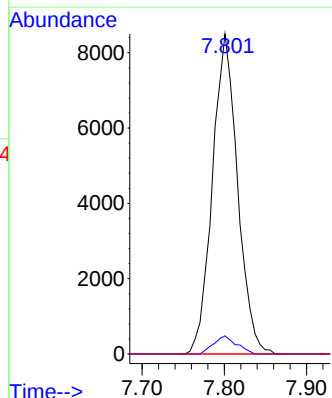
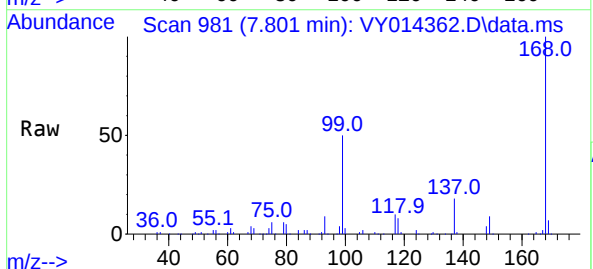
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-6

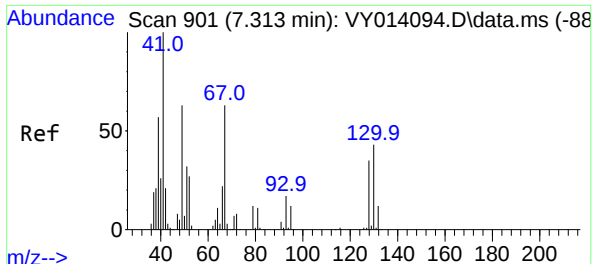
Tgt Ion: 75 Resp: 13388
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.884 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.097 min
Lab File: VY014362.D
Acq: 22 Jun 2023 05:21

Tgt Ion: 117 Resp: 18068
Ion Ratio Lower Upper
117 100
119 5.6 76.4 114.6#
121 0.0 25.8 38.6#

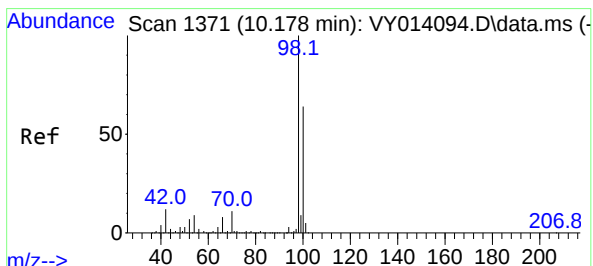
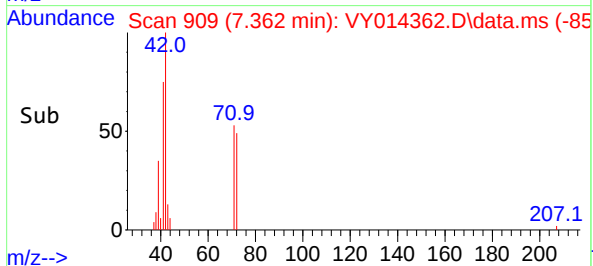
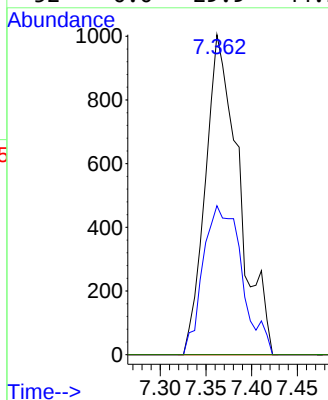
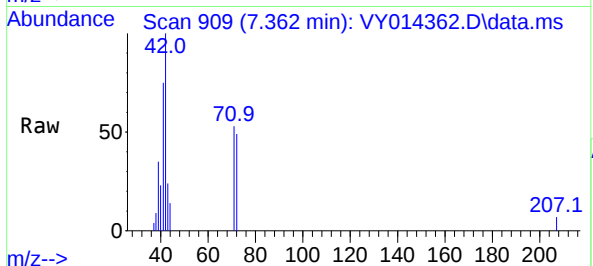




#41
Methacrylonitrile
Concen: 2.280 ug/l
RT: 7.362 min Scan# 901
Delta R.T. 0.049 min
Lab File: VY014362.D
Acq: 22 Jun 2023 05:21

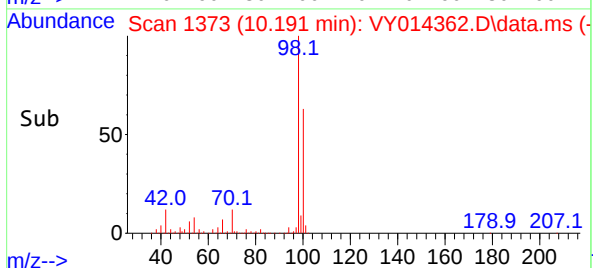
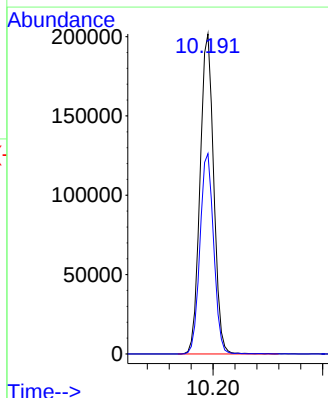
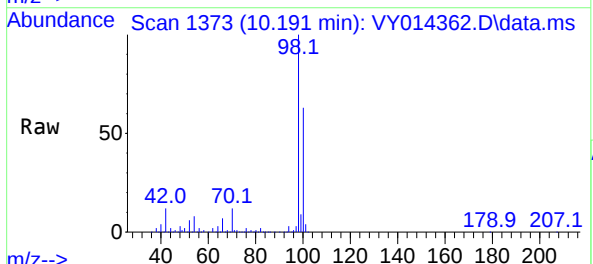
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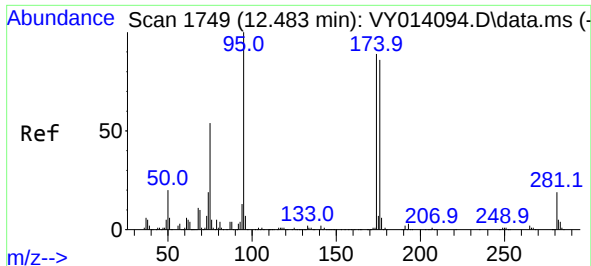
Tgt Ion: 41	Resp: 2574
Ion Ratio	Lower Upper
41 100	
39 53.5	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 45.222 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014362.D
Acq: 22 Jun 2023 05:21

Tgt Ion: 98	Resp: 347619
Ion Ratio	Lower Upper
98 100	
100 62.9	50.1 75.1

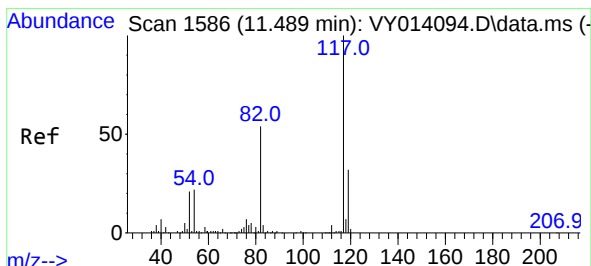
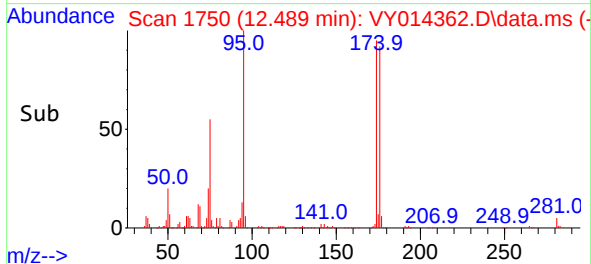
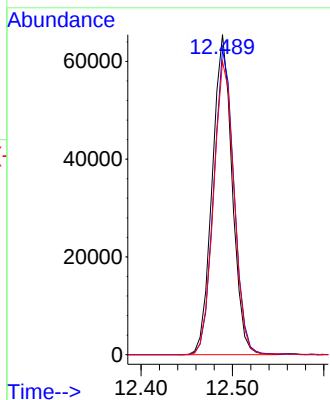
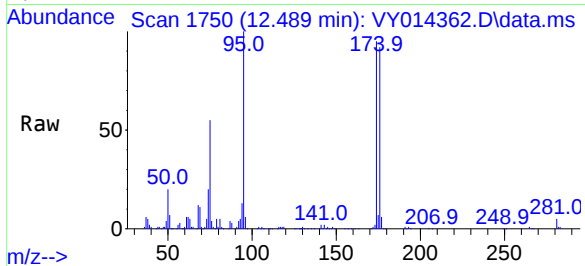




#62
4-Bromofluorobenzene
Concen: 36.254 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014362.D
Acq: 22 Jun 2023 05:21

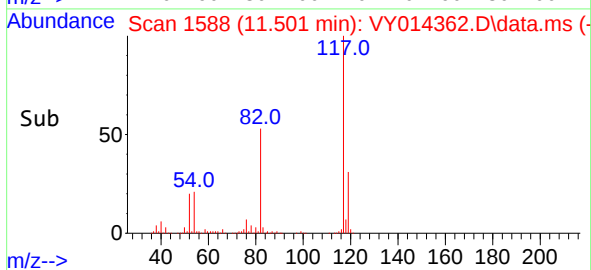
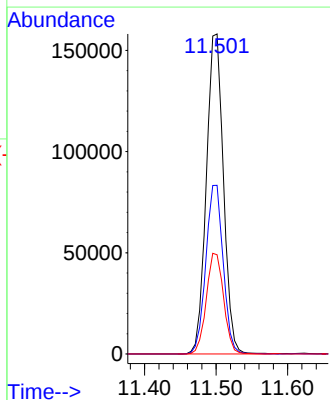
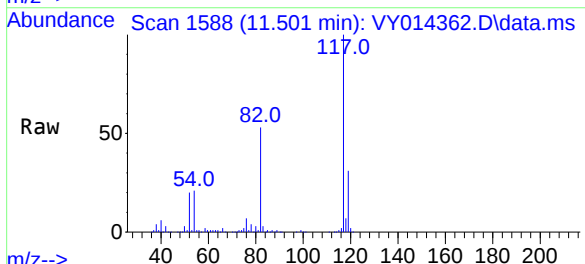
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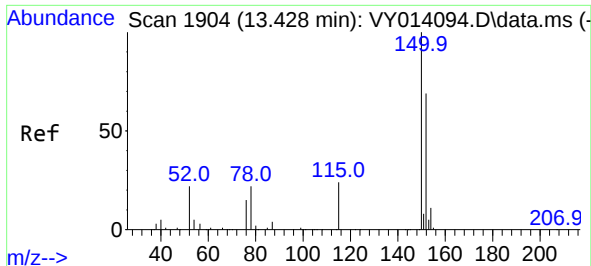
Tgt Ion:	95	Resp:	98995
Ion	Ratio	Lower	Upper
95	100		
174	96.9	0.0	178.2
176	94.6	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.501 min Scan# 1588
Delta R.T. 0.012 min
Lab File: VY014362.D
Acq: 22 Jun 2023 05:21

Tgt Ion:	117	Resp:	262612
Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.4	65.0
119	31.0	26.3	39.5

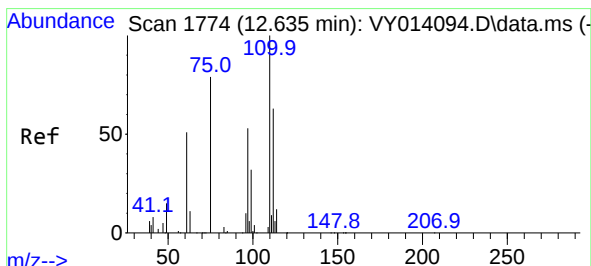
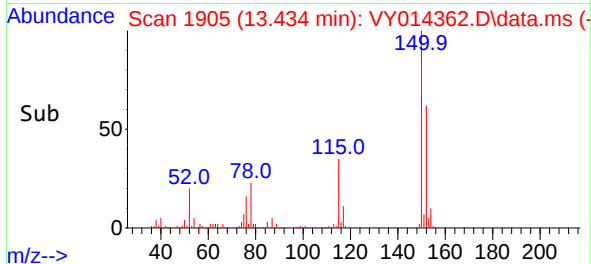
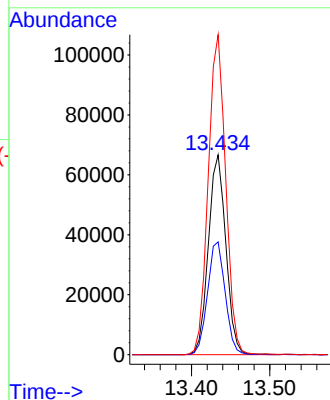
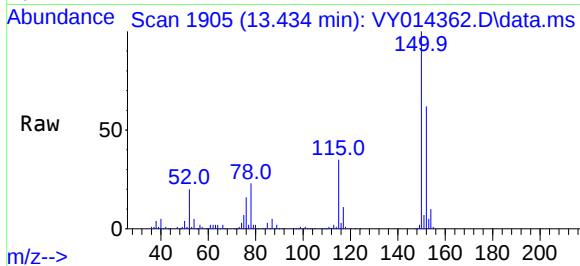




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014362.D
Acq: 22 Jun 2023 05:21

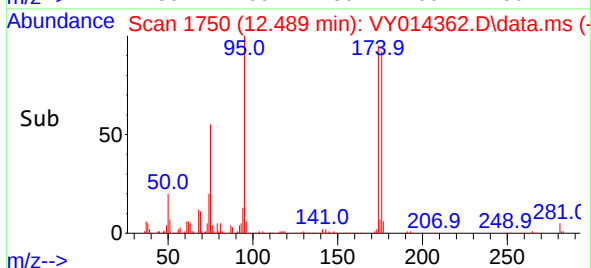
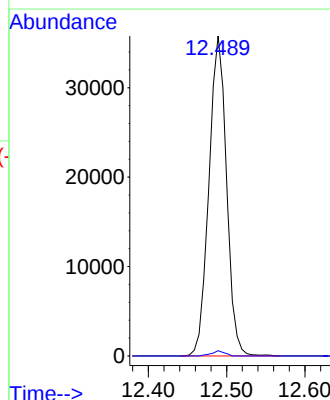
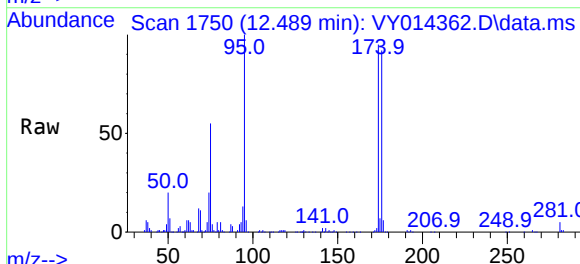
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-6

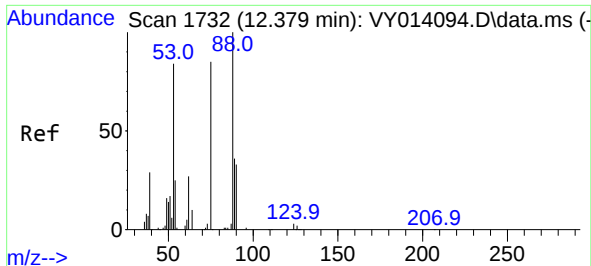
Tgt Ion:152 Resp: 103330
Ion Ratio Lower Upper
152 100
115 57.0 28.8 86.5
150 159.6 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 41.159 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014362.D
Acq: 22 Jun 2023 05:21

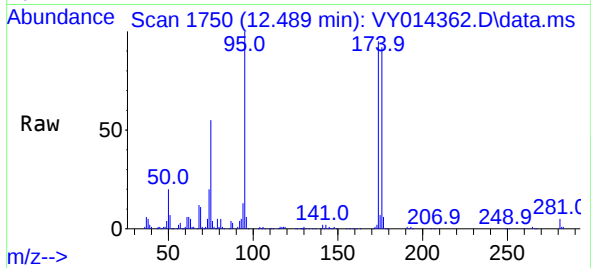
Tgt Ion: 75 Resp: 55798
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 88.970 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY014362.D
Acq: 22 Jun 2023 05:21

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-6



Tgt Ion: 75 Resp: 55798
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#

