

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014367.D
 Acq On : 22 Jun 2023 07:18
 Operator : KP/MD
 Sample : 03362-06
 Misc : 14.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-32-37-SB-32-GRAB-5

Quant Time: Jun 22 07:31:36 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)

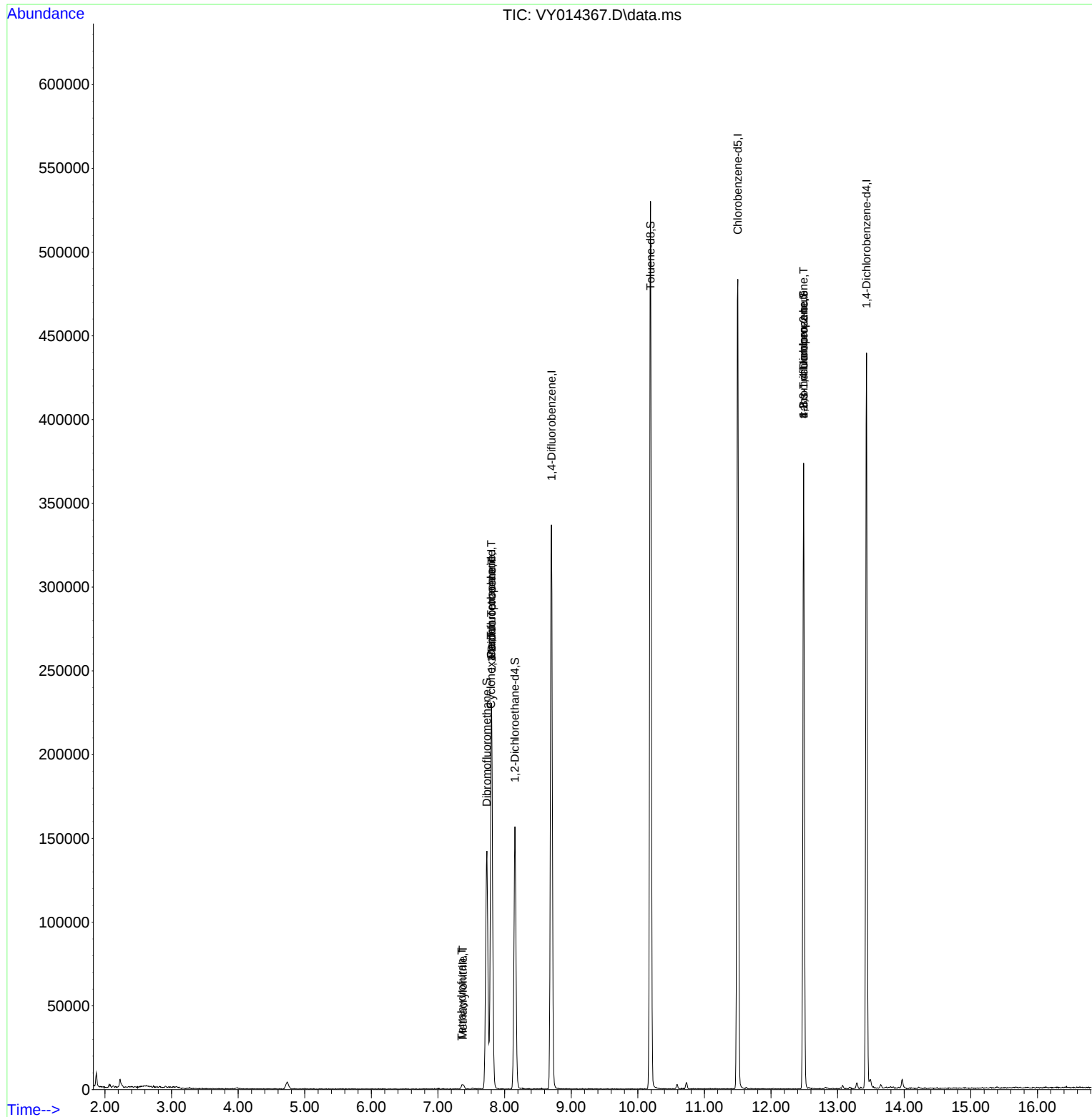
Internal Standards						
1) Pentafluorobenzene	7.801	168	178374	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	282687	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	265841	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	112952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	129614	52.182	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.360%
35) Dibromofluoromethane	7.734	113	96903	48.337	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.680%
50) Toluene-d8	10.191	98	343694	45.857	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.720%
62) 4-Bromofluorobenzene	12.489	95	103021	38.694	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.380%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	60	Below Cal	#	89
20) Methylene Chloride	4.741	84	3163	Below Cal	#	76
29) Tetrahydrofuran	7.356	42	1057	1.809	ug/l #	1
31) Cyclohexane	7.795	56	3695	1.110	ug/l #	25
36) 1,1-Dichloropropene	7.807	75	13855	4.433	ug/l #	51
38) Carbon Tetrachloride	7.801	117	17735	4.917	ug/l #	16
41) Methacrylonitrile	7.374	41	1466	1.332	ug/l #	46
76) 1,2,3-Trichloropropane	12.489	75	56080	37.843	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	56080	81.802	ug/l #	11

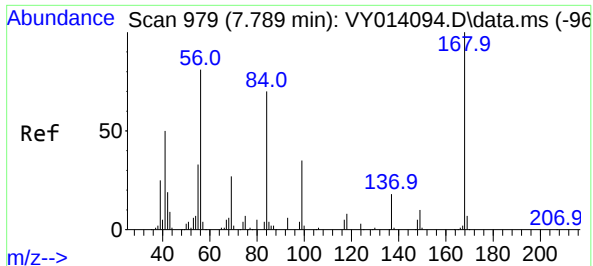
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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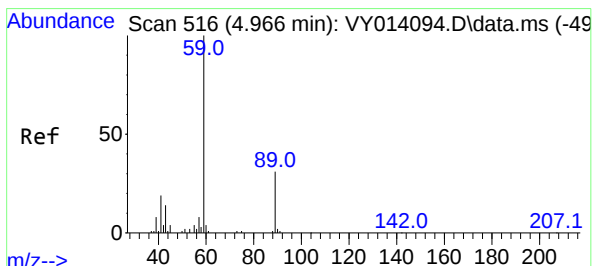
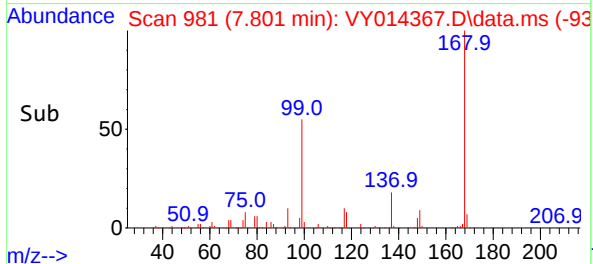
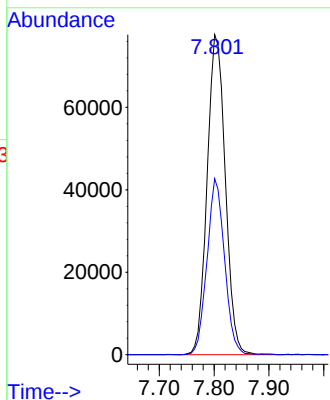
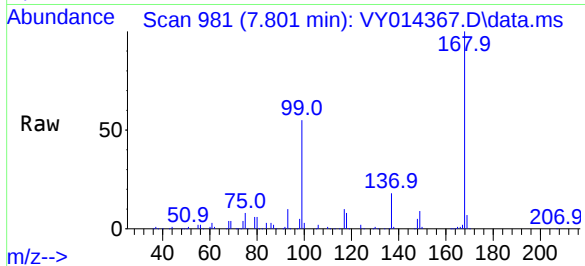




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014367.D
Acq: 22 Jun 2023 07:18

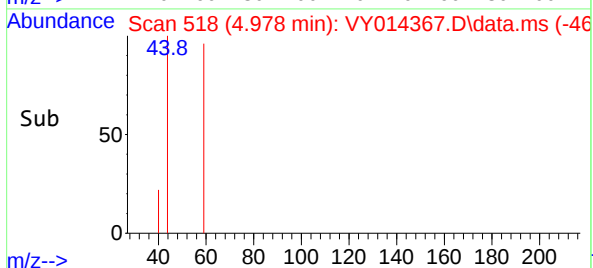
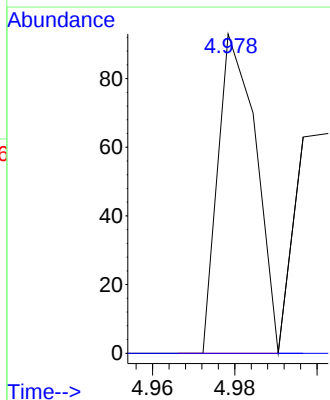
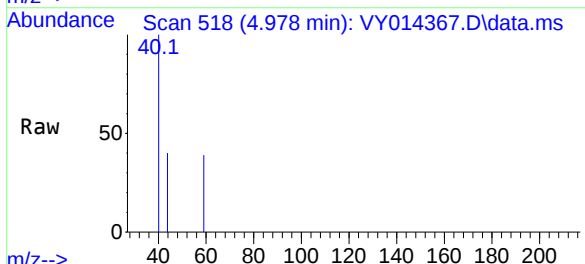
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-32-37-SB-32-GRAB-5

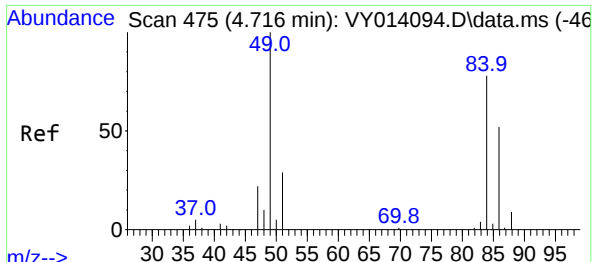
Tgt Ion:168 Resp: 178374
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.978 min Scan# 518
Delta R.T. 0.012 min
Lab File: VY014367.D
Acq: 22 Jun 2023 07:18

Tgt Ion: 59 Resp: 60
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



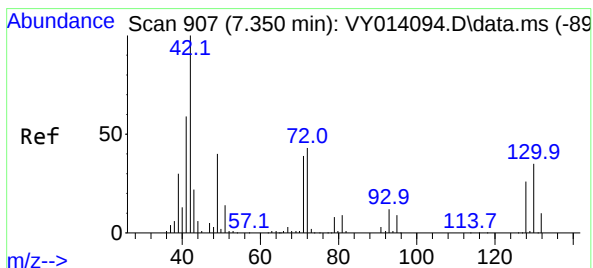
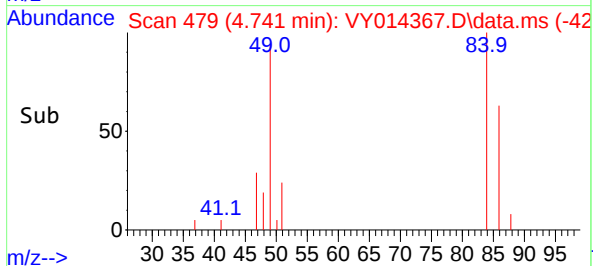
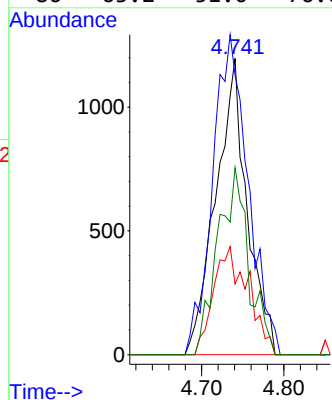
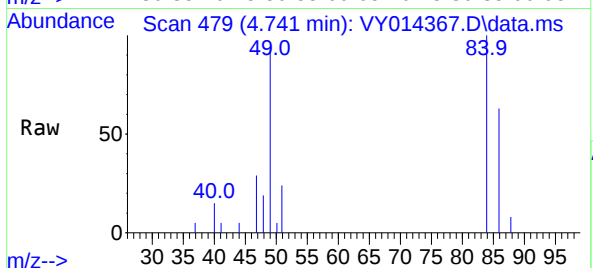


#20
Methylene Chloride
Concen: Below Cal
RT: 4.741 min Scan# 41
Delta R.T. 0.025 min
Lab File: VY014367.D
Acq: 22 Jun 2023 07:18

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-32-37-SB-32-GRAB-5

Tgt Ion: 84 Resp: 3163

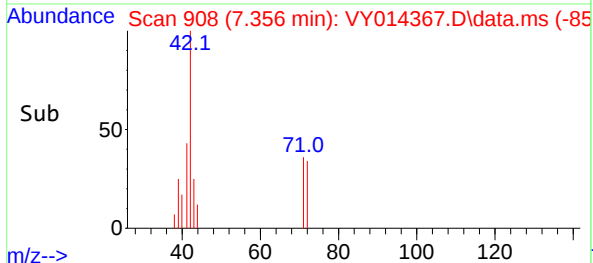
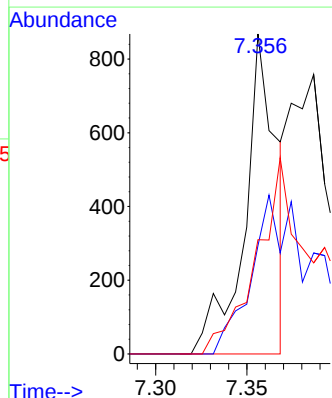
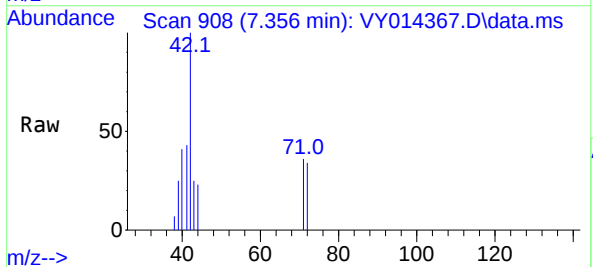
Ion	Ratio	Lower	Upper
84	100		
49	94.2	106.9	160.3#
51	23.8	33.2	49.8#
86	63.2	51.0	76.6

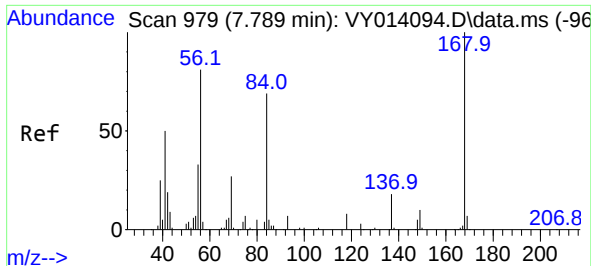


#29
Tetrahydrofuran
Concen: 1.809 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY014367.D
Acq: 22 Jun 2023 07:18

Tgt Ion: 42 Resp: 1057

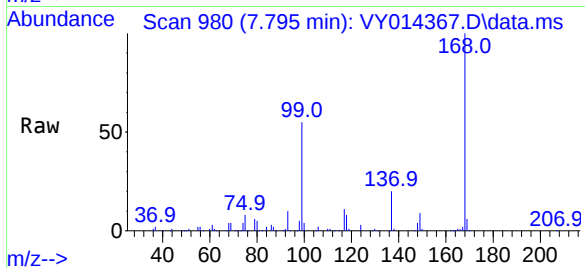
Ion	Ratio	Lower	Upper
42	100		
72	98.0	32.8	49.2#
71	109.3	31.0	46.4#



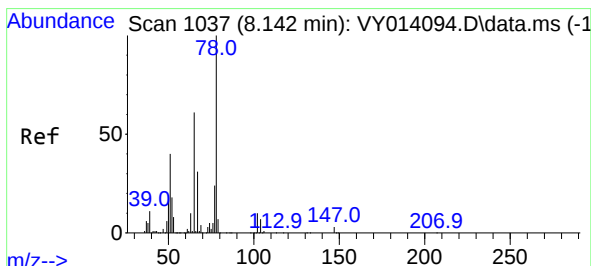
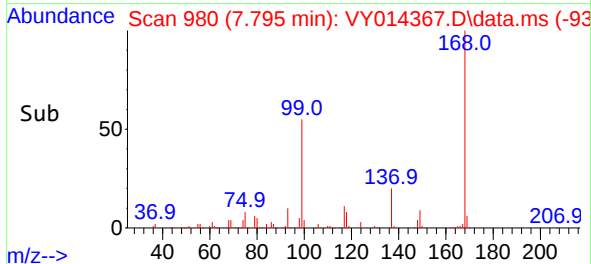
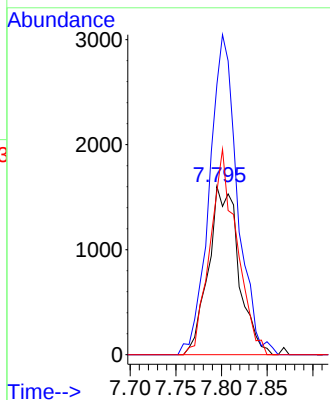


#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014367.D
Acq: 22 Jun 2023 07:18

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-32-37-SB-32-GRAB-5

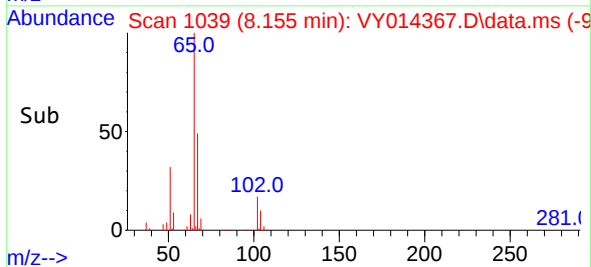
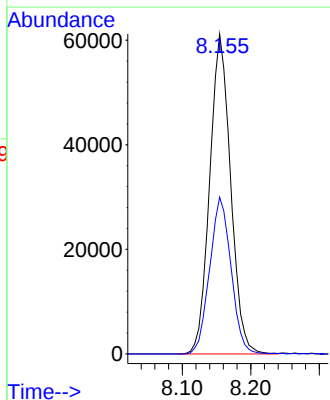
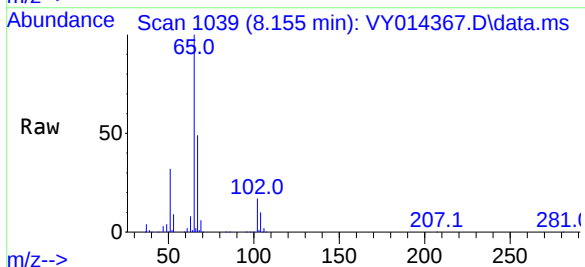


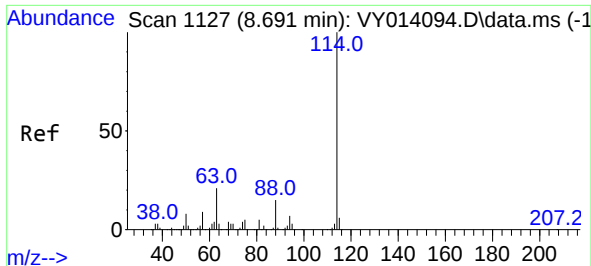
Tgt Ion: 56 Resp: 3695
Ion Ratio Lower Upper
56 100
69 160.8 27.8 41.6#
84 97.1 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 52.182 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014367.D
Acq: 22 Jun 2023 07:18

Tgt Ion: 65 Resp: 129614
Ion Ratio Lower Upper
65 100
67 50.1 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: VY014367.D

Acq: 22 Jun 2023 07:18

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-32-37-SB-32-GRAB-5

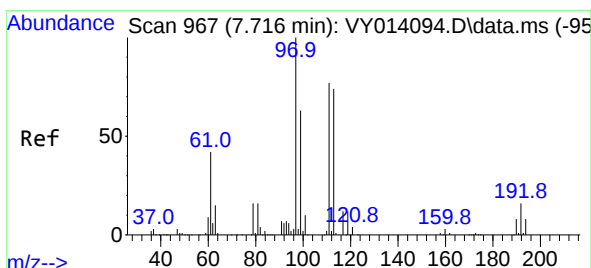
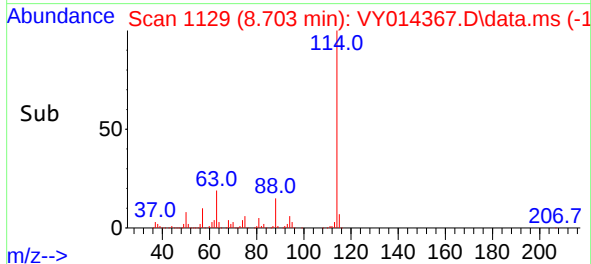
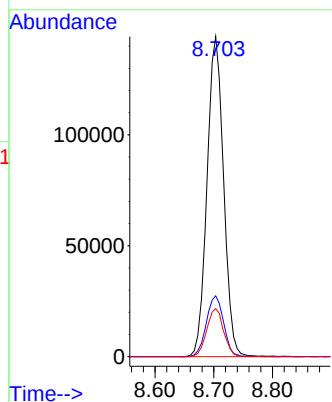
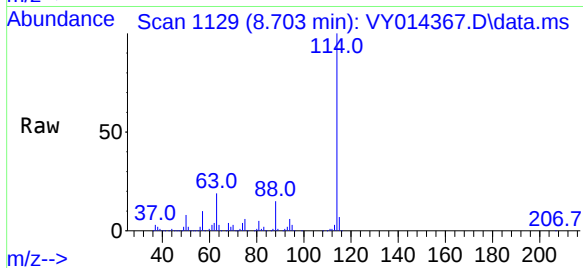
Tgt Ion:114 Resp: 282687

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.337 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.018 min

Lab File: VY014367.D

Acq: 22 Jun 2023 07:18

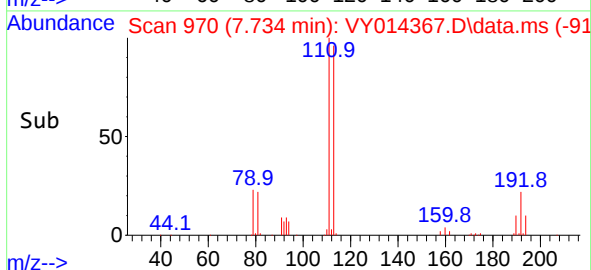
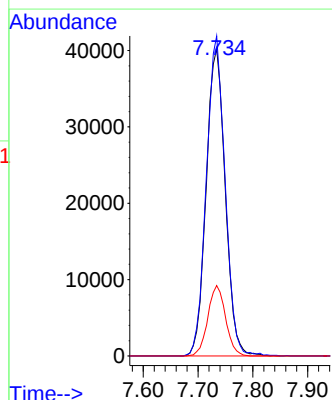
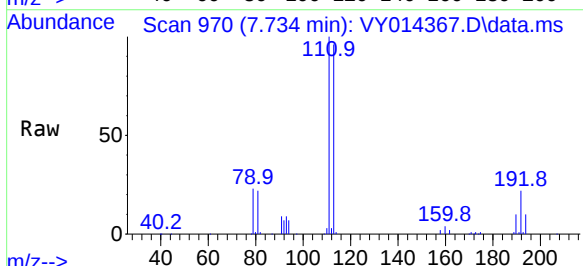
Tgt Ion:113 Resp: 96903

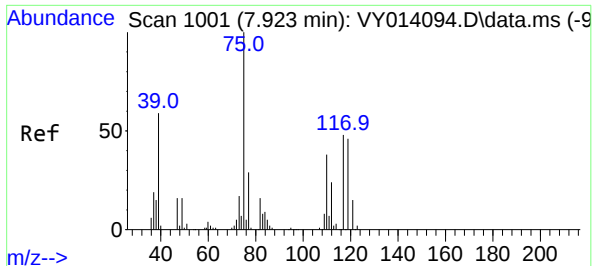
Ion Ratio Lower Upper

113 100

111 102.6 81.3 121.9

192 21.4 16.9 25.3

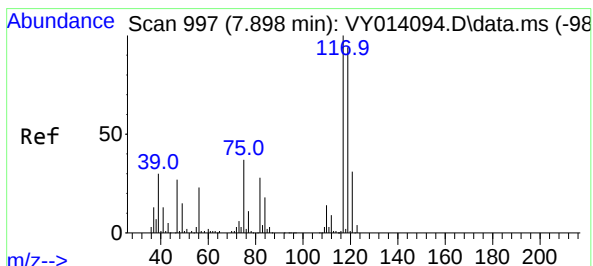
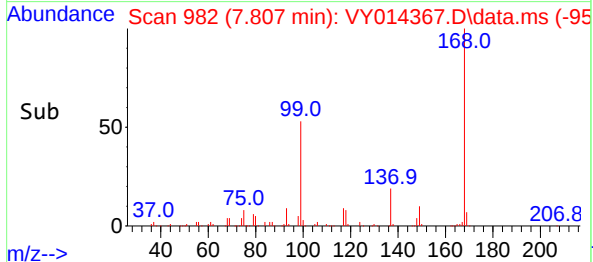
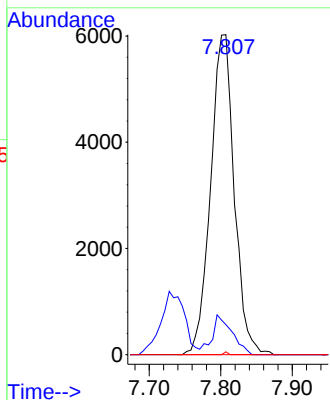
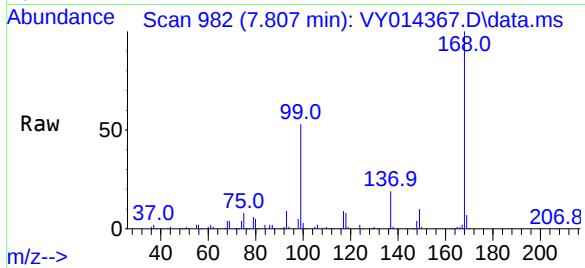




#36
1,1-Dichloropropene
Concen: 4.433 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014367.D
Acq: 22 Jun 2023 07:18

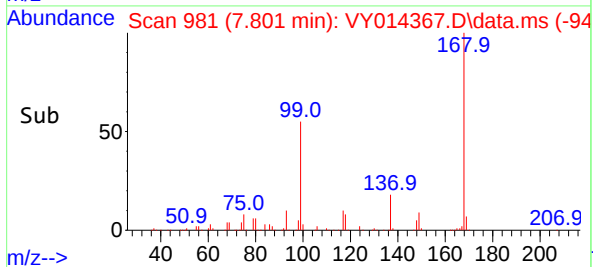
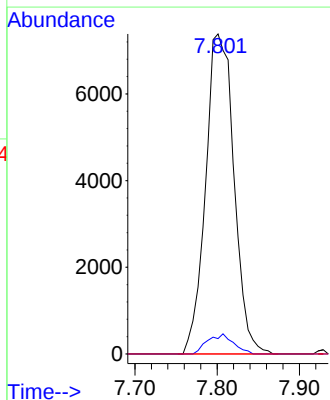
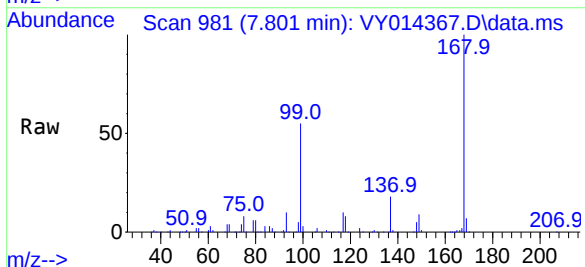
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-32-37-SB-32-GRAB-5

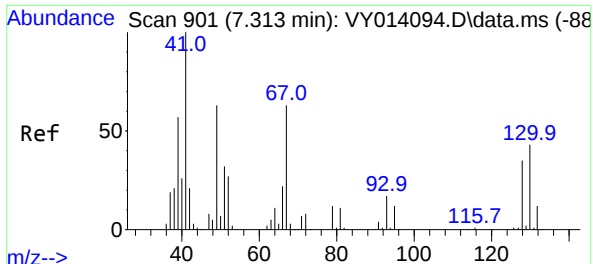
Tgt Ion:	75	Resp:	13855
Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.8	53.5#
77	0.1	24.4	36.6#



#38
Carbon Tetrachloride
Concen: 4.917 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.097 min
Lab File: VY014367.D
Acq: 22 Jun 2023 07:18

Tgt Ion:	117	Resp:	17735
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.4	114.6#
121	0.0	25.8	38.6#

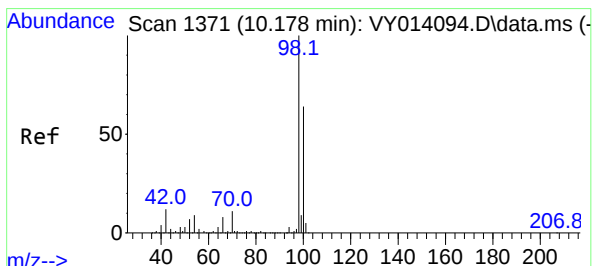
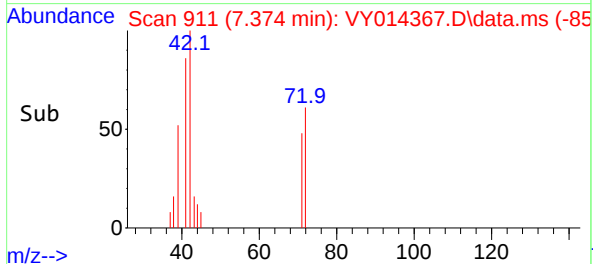
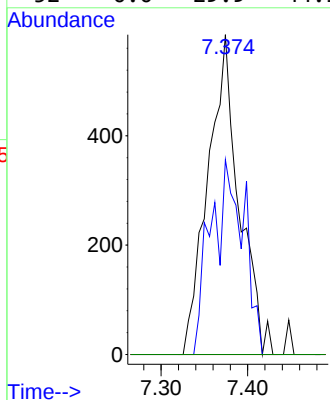
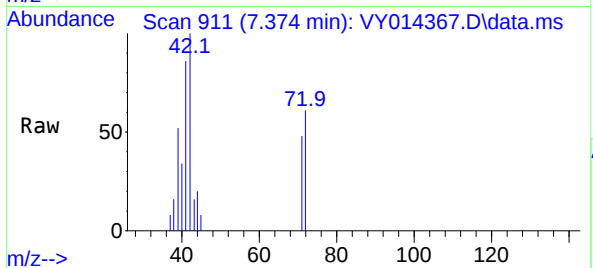




#41
Methacrylonitrile
Concen: 1.332 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.061 min
Lab File: VY014367.D
Acq: 22 Jun 2023 07:18

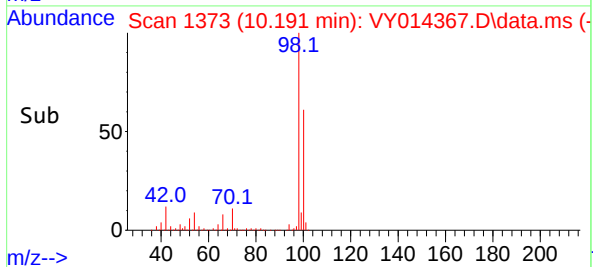
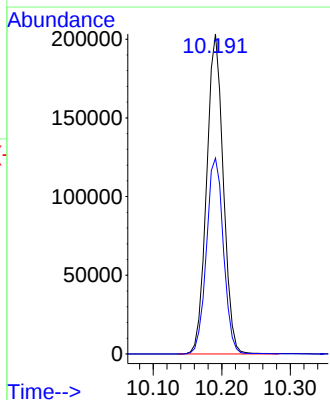
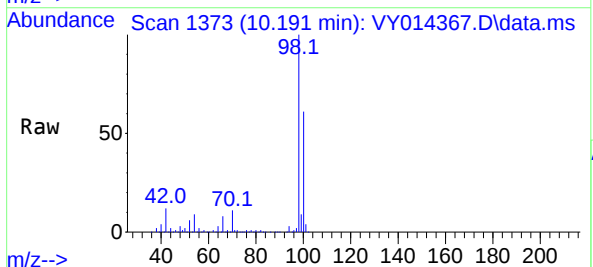
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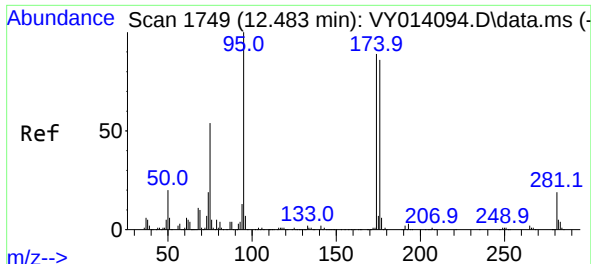
Tgt Ion: 41	Resp: 1466
Ion Ratio	Lower Upper
41 100	
39 64.3	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 45.857 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014367.D
Acq: 22 Jun 2023 07:18

Tgt Ion: 98	Resp: 343694
Ion Ratio	Lower Upper
98 100	
100 62.4	50.1 75.1

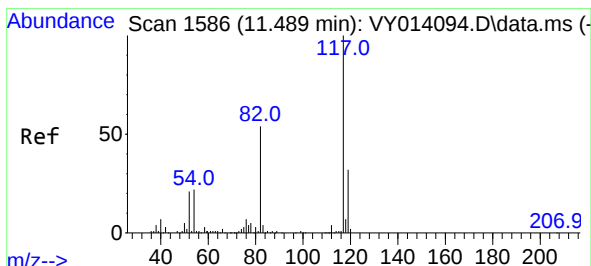
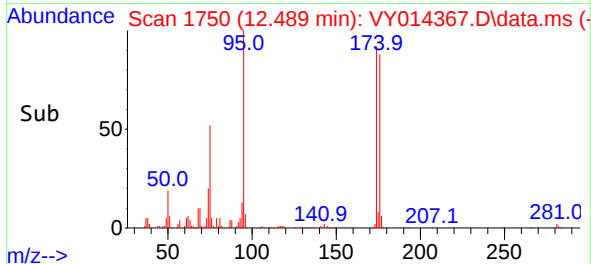
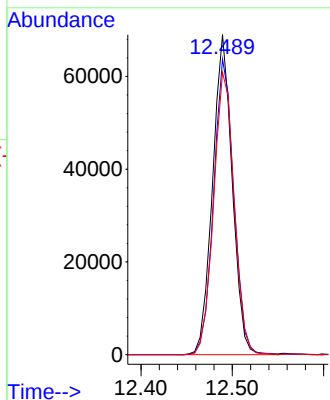
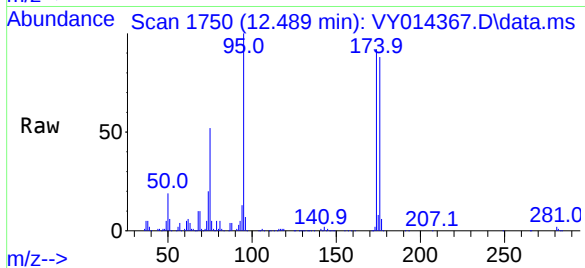




#62
4-Bromofluorobenzene
Concen: 38.694 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014367.D
Acq: 22 Jun 2023 07:18

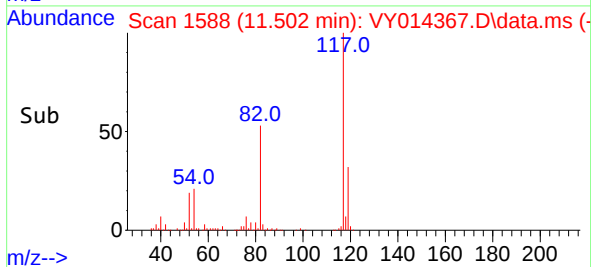
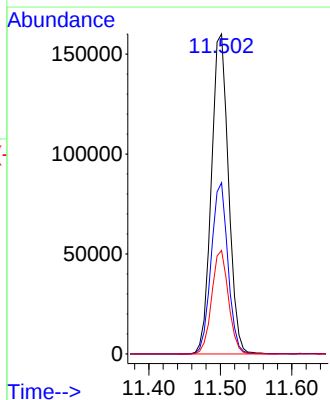
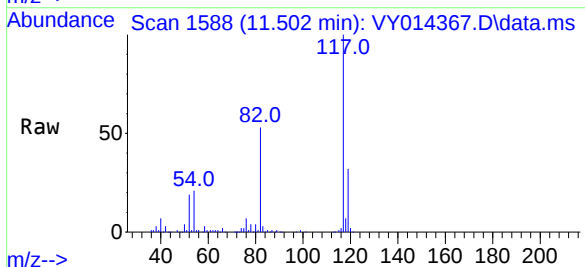
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-32-37-SB-32-GRAB-5

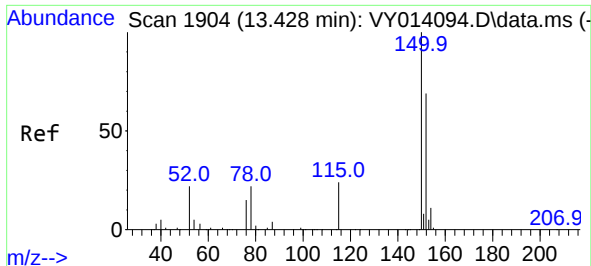
Tgt Ion: 95 Resp: 103021
Ion Ratio Lower Upper
95 100
174 94.5 0.0 178.2
176 92.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.013 min
Lab File: VY014367.D
Acq: 22 Jun 2023 07:18

Tgt Ion: 117 Resp: 265841
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 32.3 26.3 39.5

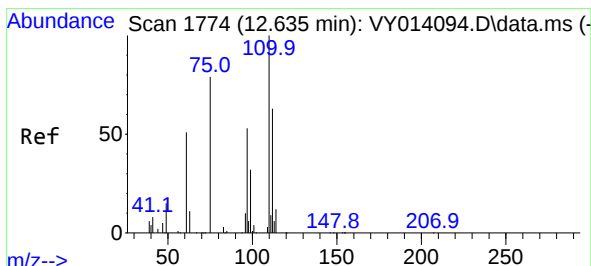
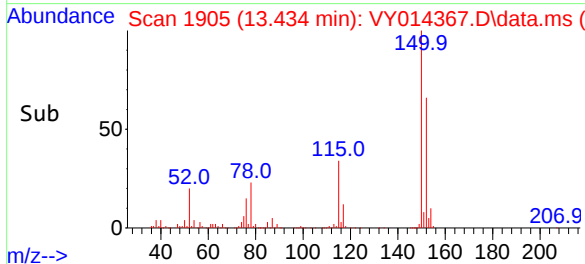
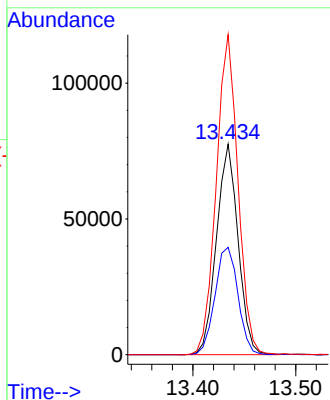
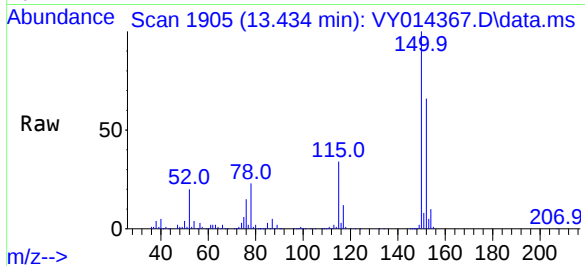




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014367.D
Acq: 22 Jun 2023 07:18

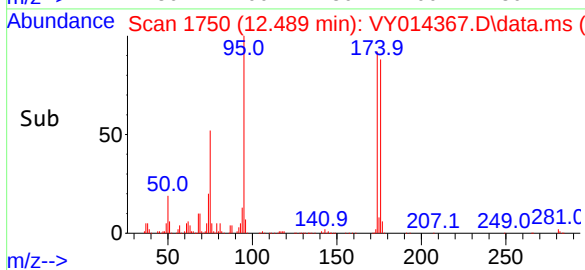
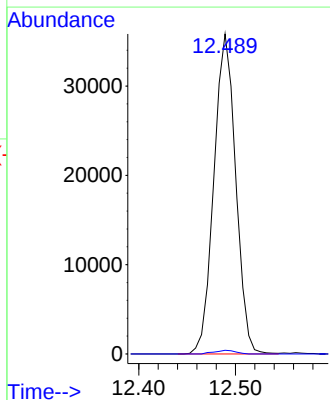
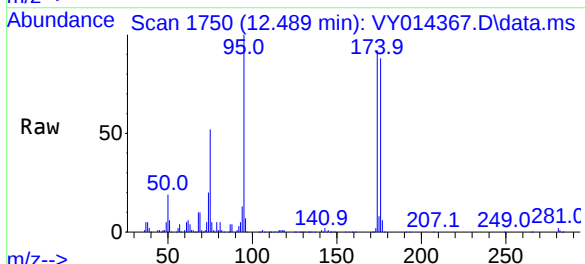
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-32-37-SB-32-GRAB-5

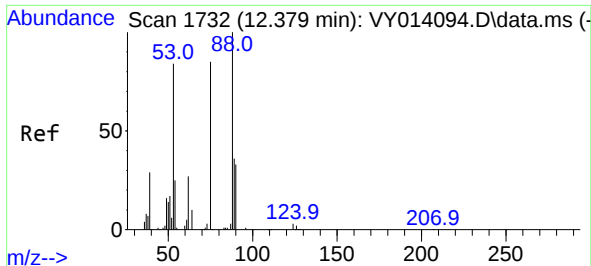
Tgt Ion:152 Resp: 112952
Ion Ratio Lower Upper
152 100
115 54.6 28.8 86.5
150 153.2 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 37.843 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014367.D
Acq: 22 Jun 2023 07:18

Tgt Ion: 75 Resp: 56080
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.802 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014367.D
 Acq: 22 Jun 2023 07:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-32-37-SB-32-GRAB-5

Tgt Ion: 75 Resp: 56080
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

