

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014217.D
 Acq On : 16 Jun 2023 20:42
 Operator : KP/MD
 Sample : 03224-17RE
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-15-GRAB-7RE

Quant Time: Jun 17 04:32:26 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

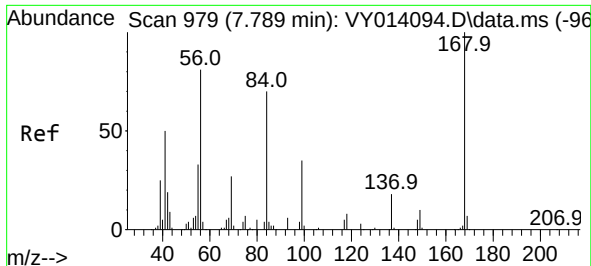
Manual Integrations
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Reviewed By :John Carlone 06/19/2023
 Supervised By :Mahesh Dadoda 06/19/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

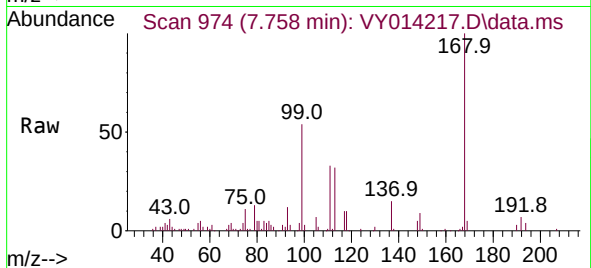
Internal Standards						
1) Pentafluorobenzene	7.758	168	58250	50.000	ug/l	-0.03
34) 1,4-Difluorobenzene	8.685	114	112381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.526	117	98236	50.000	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	13.440	152	18843	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.191	65	78854m	97.214	ug/l	0.05
Spiked Amount 50.000	Range 50 - 163		Recovery = 194.420%#			
35) Dibromofluoromethane	7.740	113	57768m	72.484	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 144.960%			
50) Toluene-d8	10.179	98	284172m	95.373	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 190.740%#			
62) 4-Bromofluorobenzene	12.501	95	25762	24.340	ug/l	0.02
Spiked Amount 50.000	Range 30 - 143		Recovery = 48.680%			
Target Compounds					Qvalue	
3) Chloromethane	2.101	50	8622	10.474	ug/l	93
30) Chloroform	7.515	83	24924m	17.653	ug/l	
39) Methylcyclohexane	9.264	83	180194m	130.711	ug/l	
40) Benzene	8.142	78	29539	7.995	ug/l	92
44) Trichloroethene	8.929	130	4910m	4.974	ug/l	
52) Toluene	10.246	92	100835m	44.026	ug/l	
64) Tetrachloroethene	10.721	164	65474m	78.194	ug/l	
67) Ethyl Benzene	11.617	91	51129	12.375	ug/l	99
68) m/p-Xylenes	11.727	106	69147	43.510	ug/l	96
69) o-Xylene	12.050	106	26565	17.680	ug/l	98
73) Isopropylbenzene	12.349	105	33579	23.360	ug/l	91
78) n-propylbenzene	12.684	91	37790	21.524	ug/l	95
80) 1,3,5-Trimethylbenzene	12.825	105	23529	19.117	ug/l	100
84) 1,2,4-Trimethylbenzene	13.129	105	40768	33.461	ug/l	96
85) sec-Butylbenzene	13.264	105	12476	8.204	ug/l #	65
86) p-Isopropyltoluene	13.379	119	14350	11.026	ug/l	95
89) n-Butylbenzene	13.702	91	9315	7.717	ug/l #	76

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.758 min Scan# 91
Delta R.T. -0.031 min
Lab File: VY014217.D
Acq: 16 Jun 2023 20:42

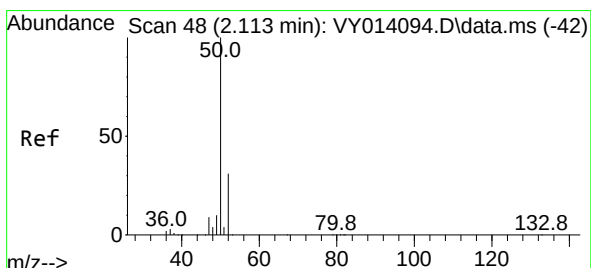
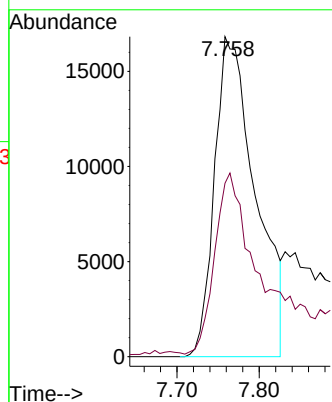
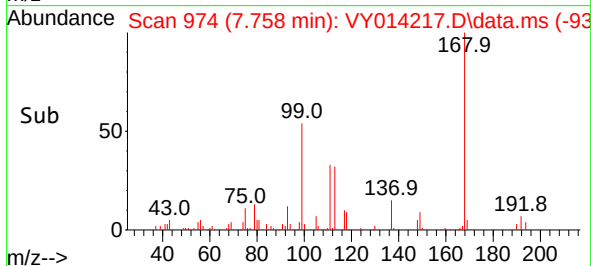
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-15-GRAB-7RE



Tgt Ion:168 Resp: 58250
Ion Ratio Lower Upper
168 100
99 53.0 43.4 65.0

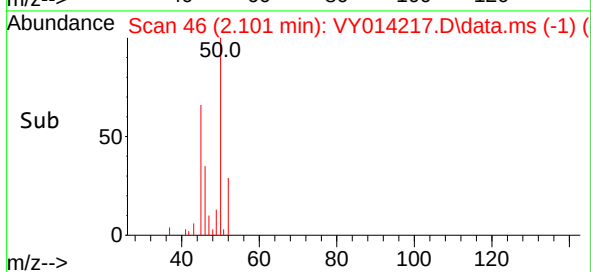
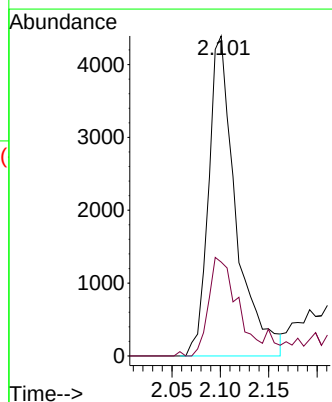
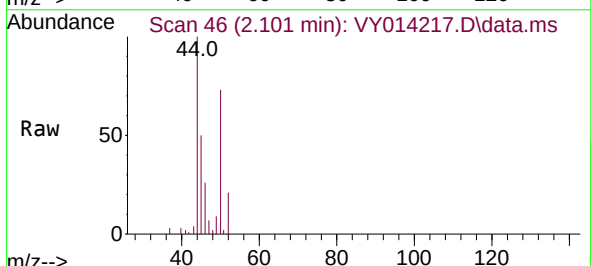
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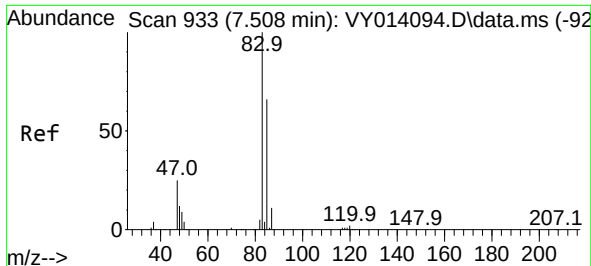
Reviewed By :John Carlone 06/19/2023
Supervised By :Mahesh Dadoda 06/19/2023



#3
Chloromethane
Concen: 10.474 ug/l
RT: 2.101 min Scan# 46
Delta R.T. -0.012 min
Lab File: VY014217.D
Acq: 16 Jun 2023 20:42

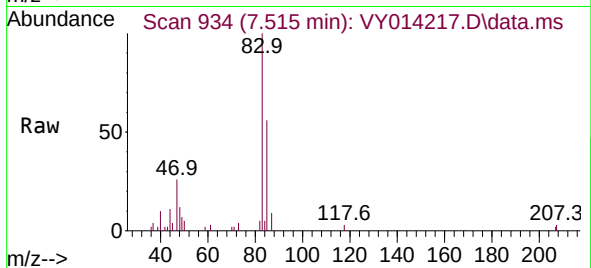
Tgt Ion: 50 Resp: 8622
Ion Ratio Lower Upper
50 100
52 28.0 25.4 38.2





#30
Chloroform
Concen: 17.653 ug/l m
RT: 7.515 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY014217.D
Acq: 16 Jun 2023 20:42

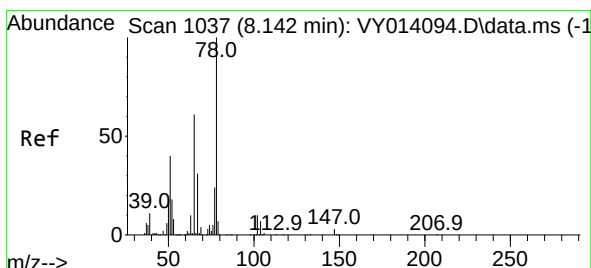
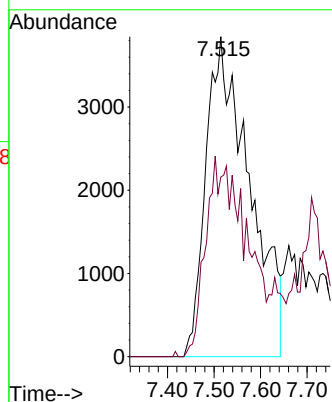
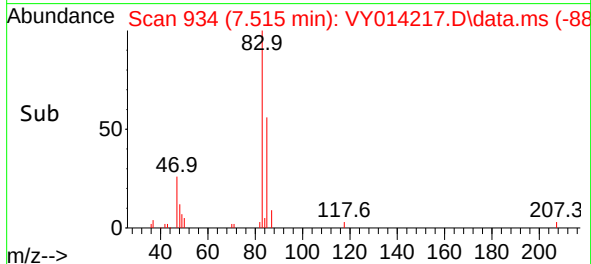
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-15-GRAB-7RE



Tgt Ion: 83 Resp: 24924
Ion Ratio Lower Upper
83 100
85 56.1 49.7 74.5

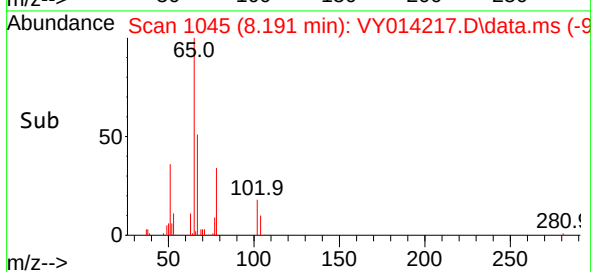
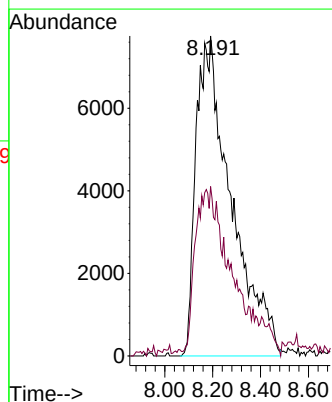
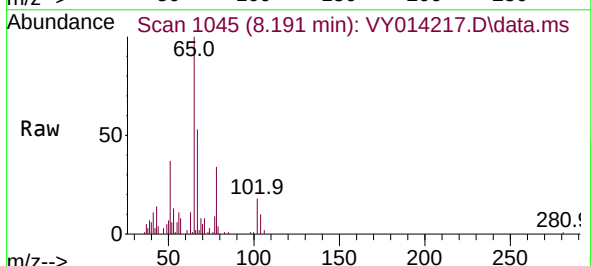
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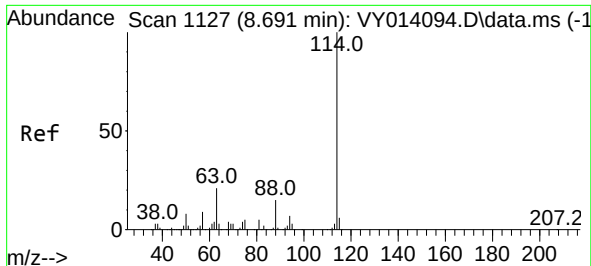
Reviewed By :John Carlone 06/19/2023
Supervised By :Mahesh Dadoda 06/19/2023



#33
1,2-Dichloroethane-d4
Concen: 97.214 ug/l m
RT: 8.191 min Scan# 1045
Delta R.T. 0.049 min
Lab File: VY014217.D
Acq: 16 Jun 2023 20:42

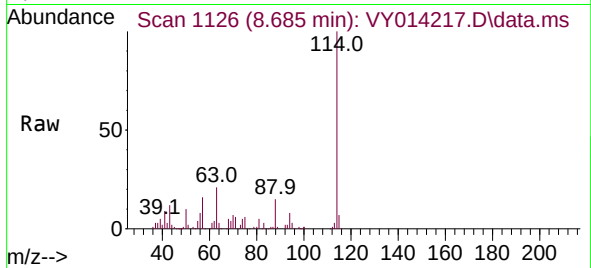
Tgt Ion: 65 Resp: 78854
Ion Ratio Lower Upper
65 100
67 19.9 0.0 101.8





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY014217.D
Acq: 16 Jun 2023 20:42

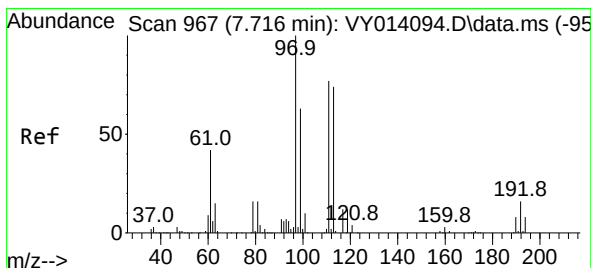
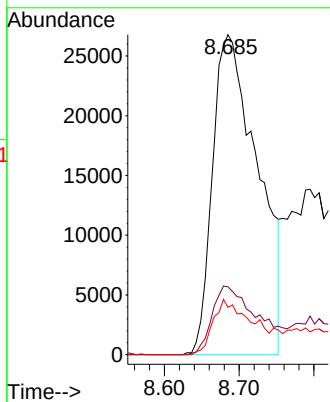
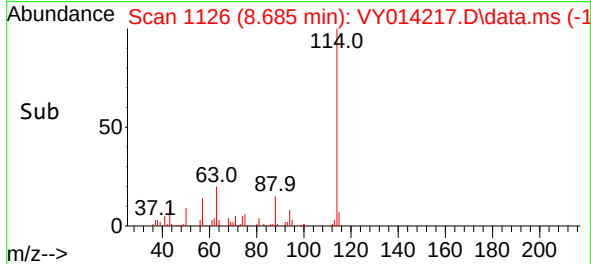
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-15-GRAB-7RE



Tgt Ion:114 Resp: 11238
Ion Ratio Lower Upper
114 100
63 21.2 0.0 42.4
88 14.8 0.0 30.6

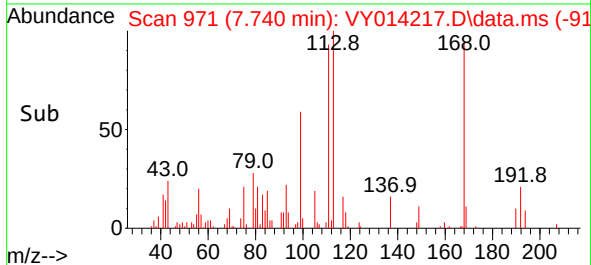
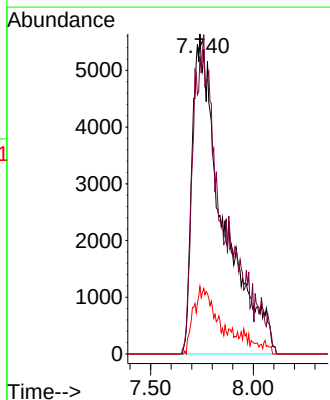
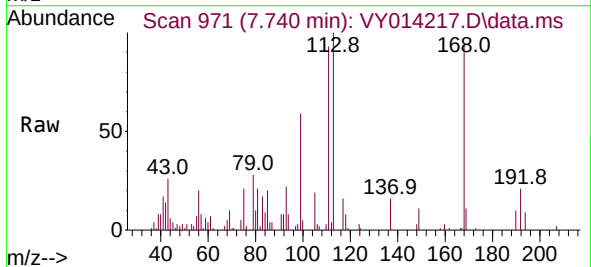
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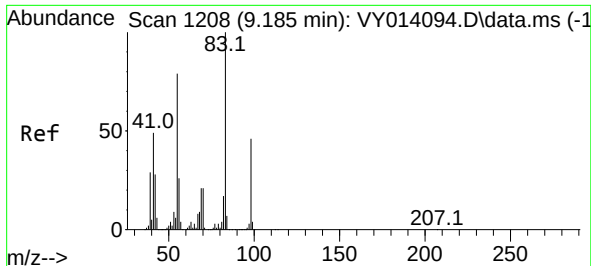
Reviewed By :John Carlone 06/19/2023
Supervised By :Mahesh Dadoda 06/19/2023



#35
Dibromofluoromethane
Concen: 72.484 ug/l m
RT: 7.740 min Scan# 971
Delta R.T. 0.024 min
Lab File: VY014217.D
Acq: 16 Jun 2023 20:42

Tgt Ion:113 Resp: 57768
Ion Ratio Lower Upper
113 100
111 0.0 81.3 121.9#
192 0.8 16.9 25.3#





#39

Methylcyclohexane

Concen: 130.711 ug/l m

RT: 9.264 min Scan# 1

Delta R.T. 0.079 min

Lab File: VY014217.D

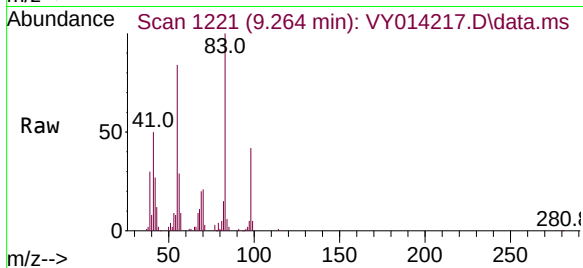
Acq: 16 Jun 2023 20:42

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-15-GRAB-7RE



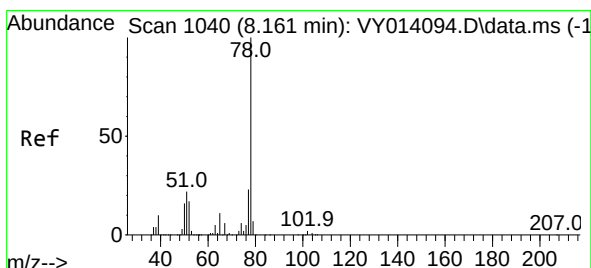
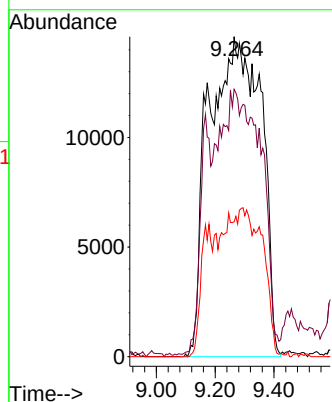
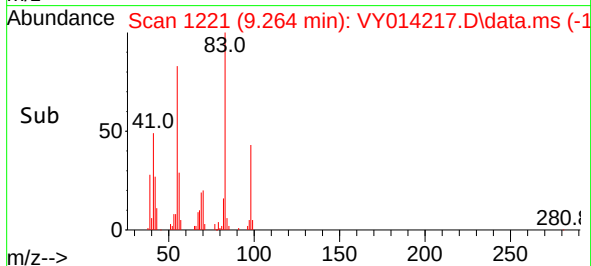
Tgt Ion:	83	Resp:	180194
Ion	Ratio	Lower	Upper
83	100		
55	83.6	63.0	94.4
98	42.1	37.4	56.2

Manual Integrations

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Supervised By :Mahesh Dadoda 06/19/2023



#40

Benzene

Concen: 7.995 ug/l

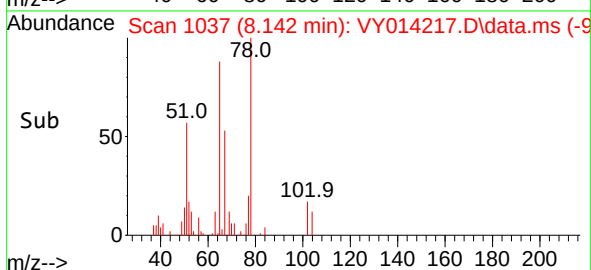
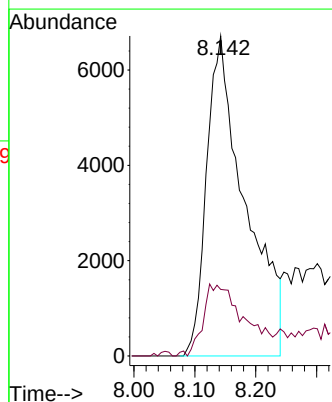
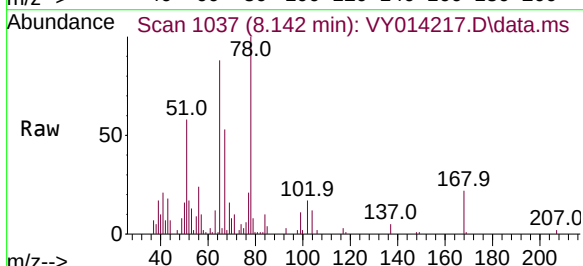
RT: 8.142 min Scan# 1037

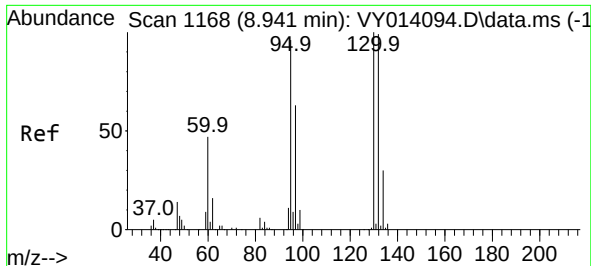
Delta R.T. -0.019 min

Lab File: VY014217.D

Acq: 16 Jun 2023 20:42

Tgt Ion:	78	Resp:	29539
Ion	Ratio	Lower	Upper
78	100		
77	19.6	19.0	28.6





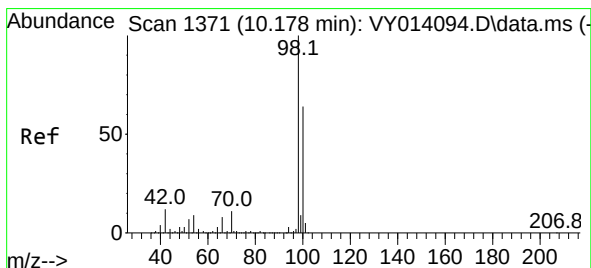
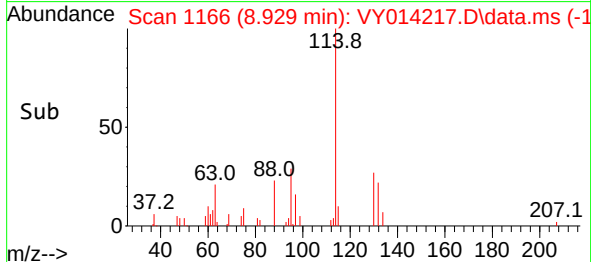
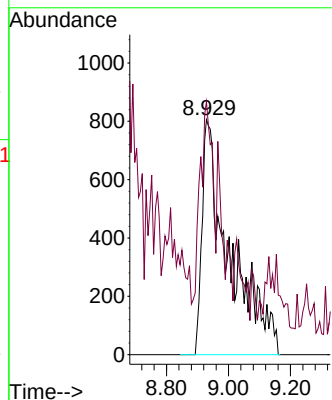
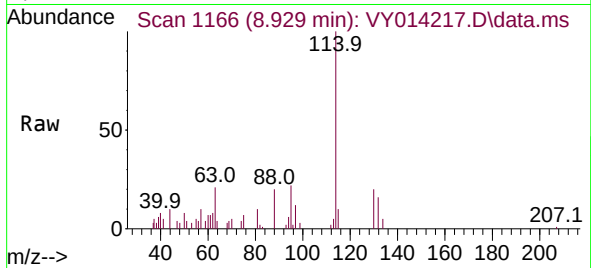
#44
Trichloroethene
Concen: 4.974 ug/l m
RT: 8.929 min Scan# 1166
Delta R.T. -0.012 min
Lab File: VY014217.D
Acq: 16 Jun 2023 20:42

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-15-GRAB-7RE

Tgt Ion:130 Resp: 4910
Ion Ratio Lower Upper
130 100
95 107.7 0.0 196.0

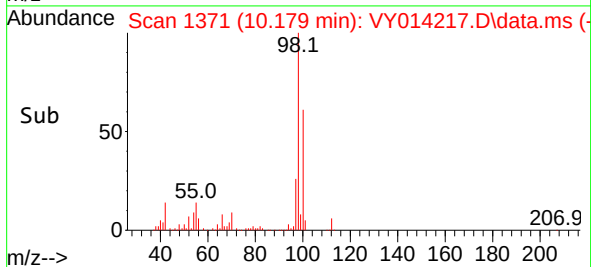
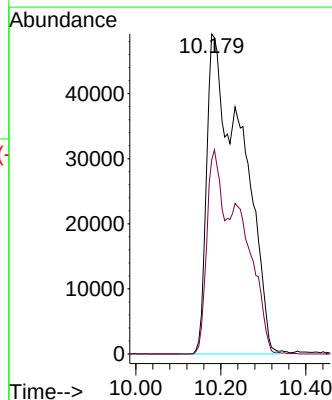
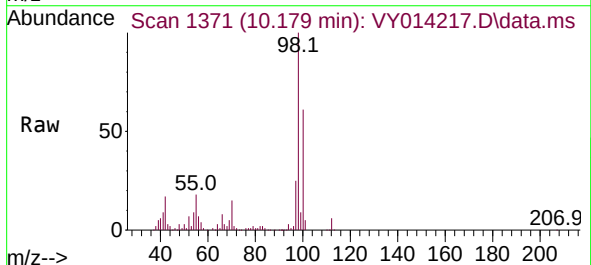
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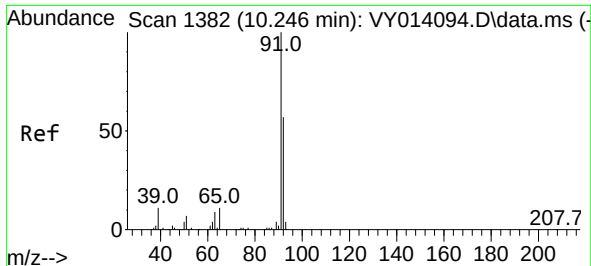
Reviewed By :John Carlone 06/19/2023
Supervised By :Mahesh Dadoda 06/19/2023



#50
Toluene-d8
Concen: 95.373 ug/l m
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014217.D
Acq: 16 Jun 2023 20:42

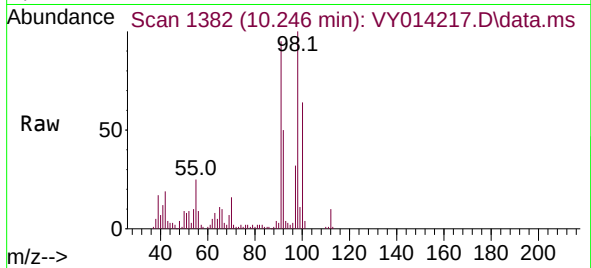
Tgt Ion: 98 Resp: 284172
Ion Ratio Lower Upper
98 100
100 33.4 50.1 75.1#





#52
Toluene
Concen: 44.026 ug/l m
RT: 10.246 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY014217.D
Acq: 16 Jun 2023 20:42

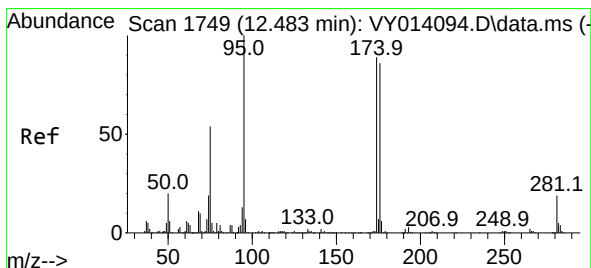
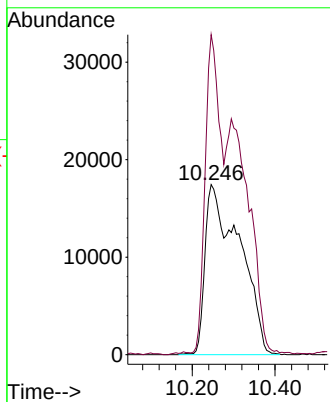
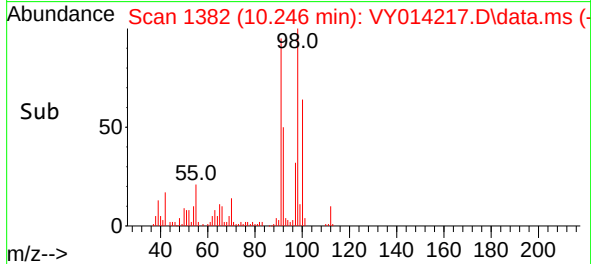
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-15-GRAB-7RE



Tgt Ion: 92 Resp: 10083
Ion Ratio Lower Upper
92 100
91 84.0 143.8 215.6

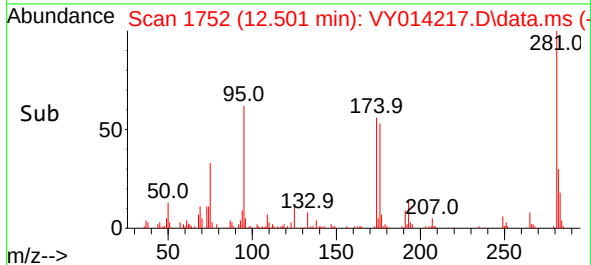
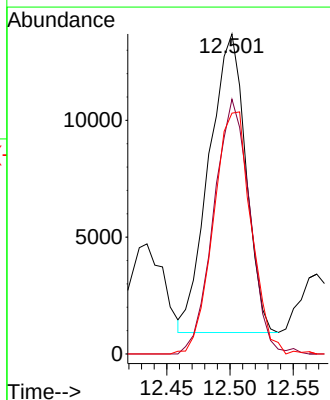
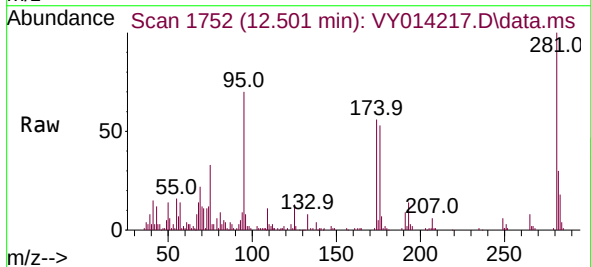
Manual Integrations
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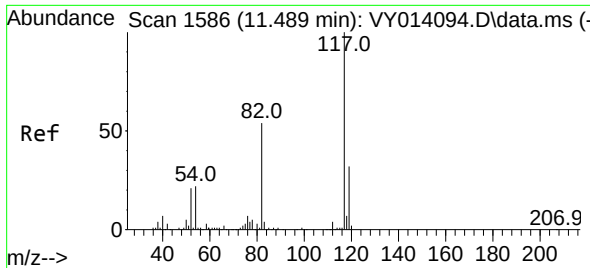
Reviewed By :John Carlone 06/19/2023
Supervised By :Mahesh Dadoda 06/19/2023



#62
4-Bromofluorobenzene
Concen: 24.340 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.018 min
Lab File: VY014217.D
Acq: 16 Jun 2023 20:42

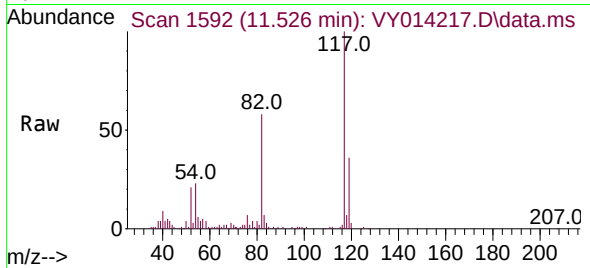
Tgt Ion: 95 Resp: 25762
Ion Ratio Lower Upper
95 100
174 83.8 0.0 178.2
176 83.4 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.526 min Scan# 11526
Delta R.T. 0.037 min
Lab File: VY014217.D
Acq: 16 Jun 2023 20:42

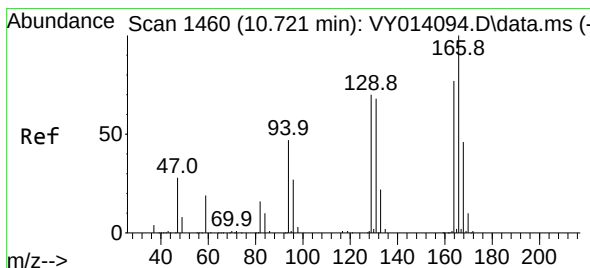
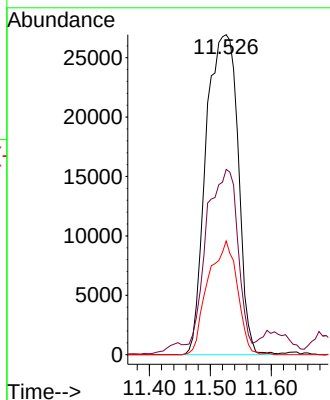
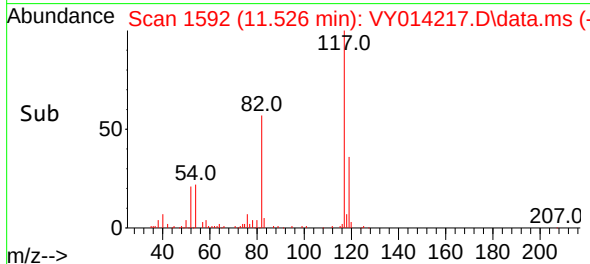
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-15-GRAB-7RE



Tgt Ion:117 Resp: 98230
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 35.5 26.3 39.5

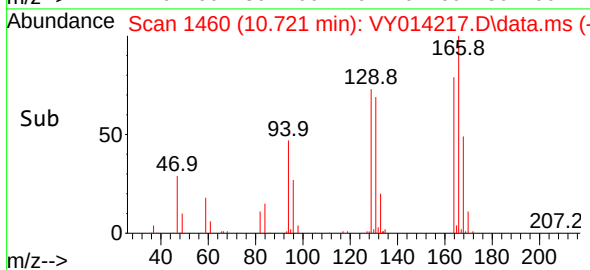
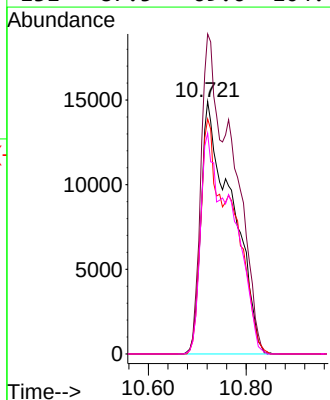
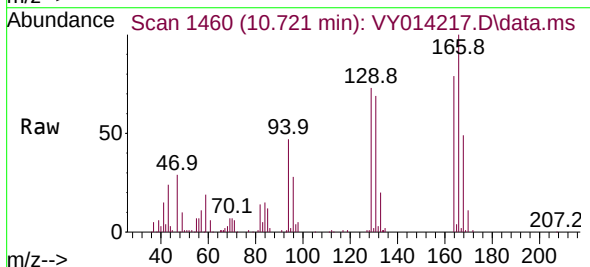
Manual Integrations
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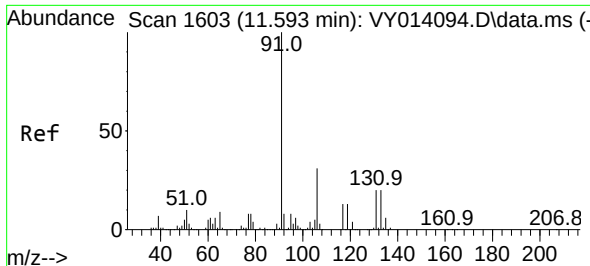
Reviewed By :John Carlone 06/19/2023
Supervised By :Mahesh Dadoda 06/19/2023



#64
Tetrachloroethene
Concen: 78.194 ug/l m
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY014217.D
Acq: 16 Jun 2023 20:42

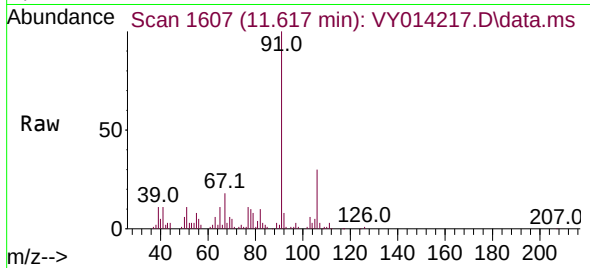
Tgt Ion:164 Resp: 65474
Ion Ratio Lower Upper
164 100
166 126.8 103.0 154.6
129 93.1 77.2 115.8
131 87.5 69.6 104.4





#67
Ethyl Benzene
Concen: 12.375 ug/l
RT: 11.617 min Scan# 1607
Delta R.T. 0.024 min
Lab File: VY014217.D
Acq: 16 Jun 2023 20:42

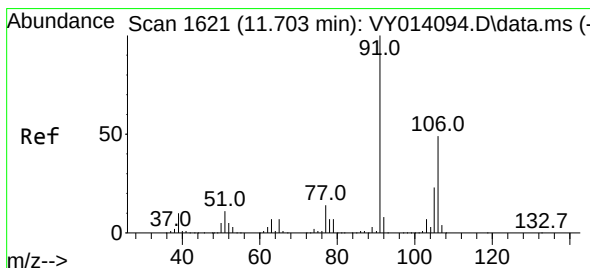
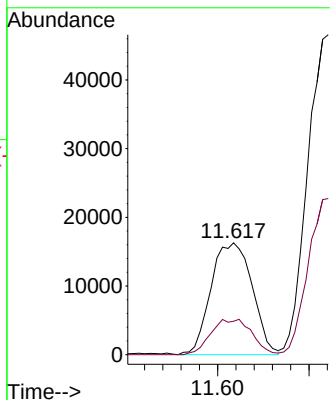
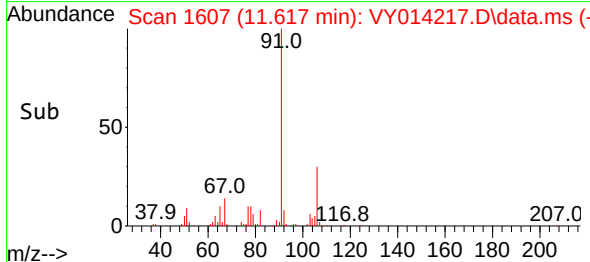
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-15-GRAB-7RE



Tgt Ion: 91 Resp: 51129
Ion Ratio Lower Upper
91 100
106 29.9 24.6 36.8

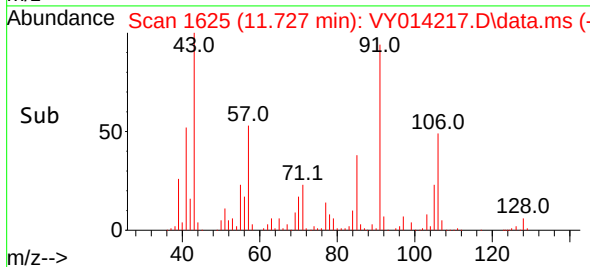
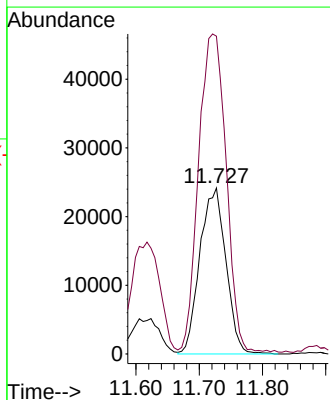
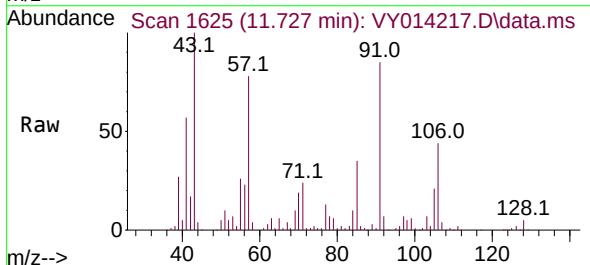
Manual Integrations
APPROVED

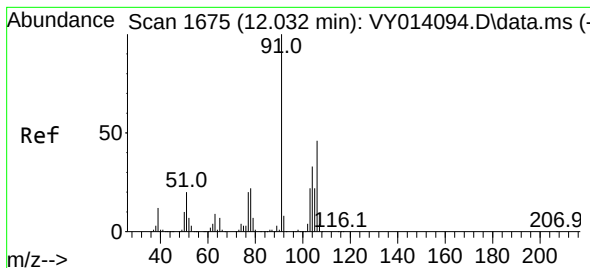
Reviewed By :John Carlone 06/19/2023
Supervised By :Mahesh Dadoda 06/19/2023



#68
m/p-Xylenes
Concen: 43.510 ug/l
RT: 11.727 min Scan# 1625
Delta R.T. 0.024 min
Lab File: VY014217.D
Acq: 16 Jun 2023 20:42

Tgt Ion:106 Resp: 69147
Ion Ratio Lower Upper
106 100
91 202.0 166.1 249.1





#69

o-Xylene

Concen: 17.680 ug/l

RT: 12.050 min Scan# 1

Delta R.T. 0.018 min

Lab File: VY014217.D

Acq: 16 Jun 2023 20:42

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-15-GRAB-7RE

Tgt Ion:106 Resp: 2656

Ion Ratio Lower Upper

106 100

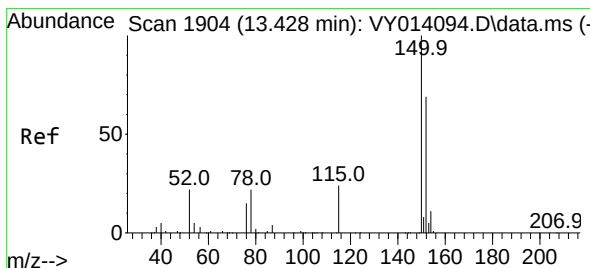
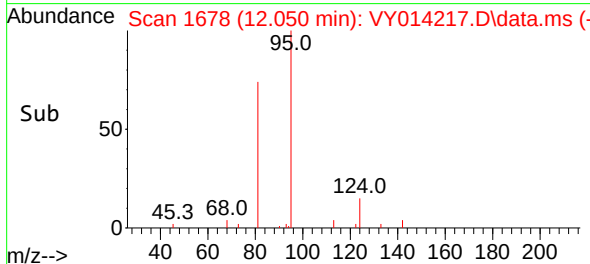
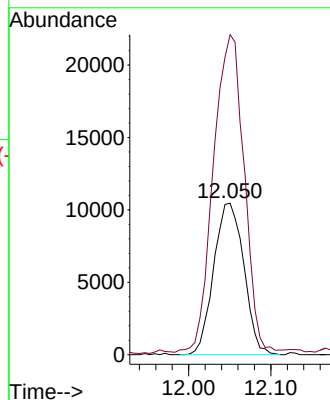
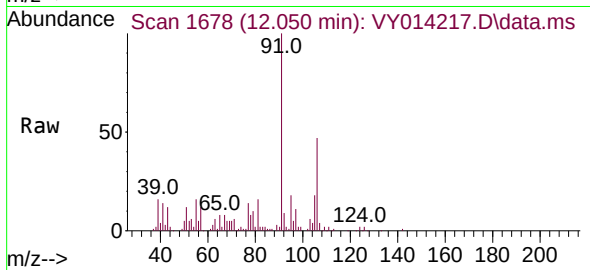
91 213.7 108.1 324.3

Manual Integrations

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Reviewed By :John Carlone 06/19/2023

Supervised By :Mahesh Dadoda 06/19/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.012 min

Lab File: VY014217.D

Acq: 16 Jun 2023 20:42

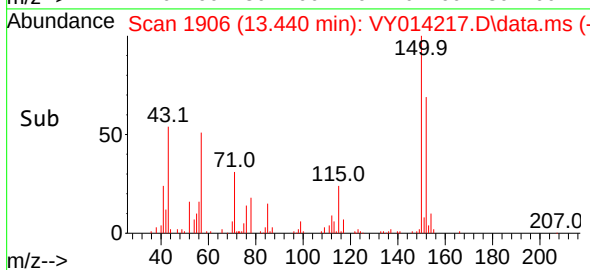
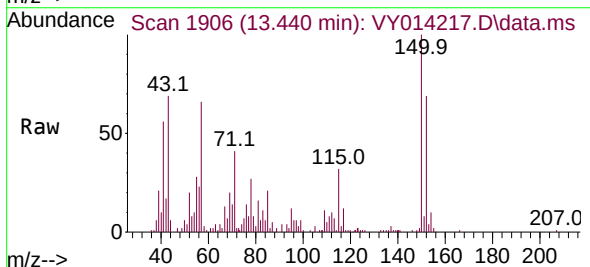
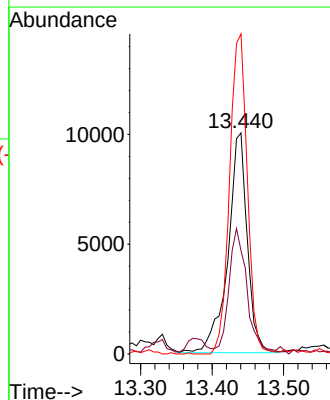
Tgt Ion:152 Resp: 18843

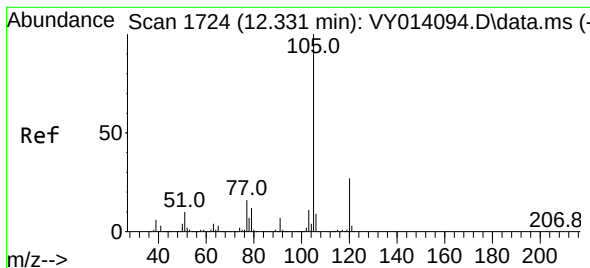
Ion Ratio Lower Upper

152 100

115 51.9 28.8 86.5

150 132.9 0.0 348.8





#73

Isopropylbenzene

Concen: 23.360 ug/l

RT: 12.349 min Scan# 1727

Delta R.T. 0.018 min

Lab File: VY014217.D

Acq: 16 Jun 2023 20:42

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-15-GRAB-7RE

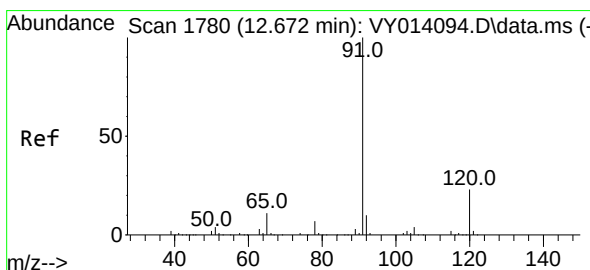
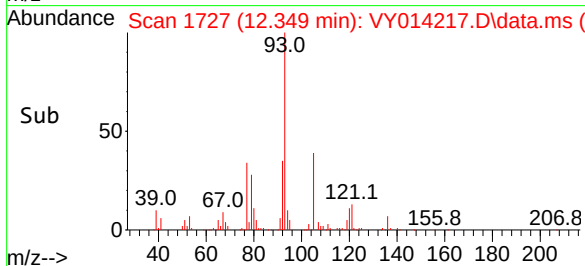
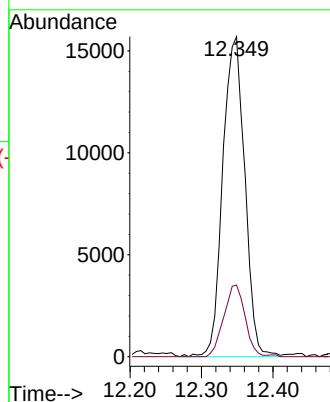
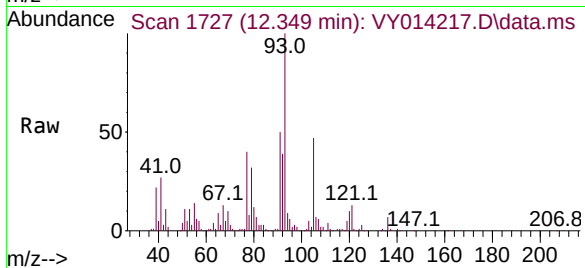
Tgt Ion:105 Resp: 33579
 Ion Ratio Lower Upper
 105 100
 120 21.8 13.3 39.9

Manual Integrations

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Reviewed By :John Carlone 06/19/2023

Supervised By :Mahesh Dadoda 06/19/2023



#78

n-propylbenzene

Concen: 21.524 ug/l

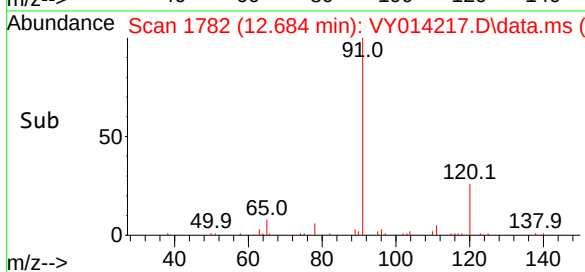
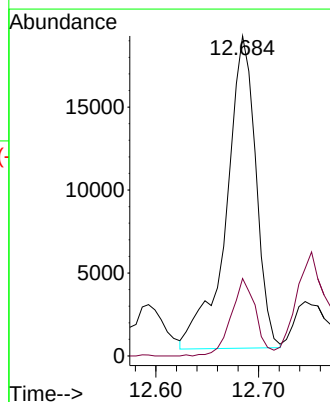
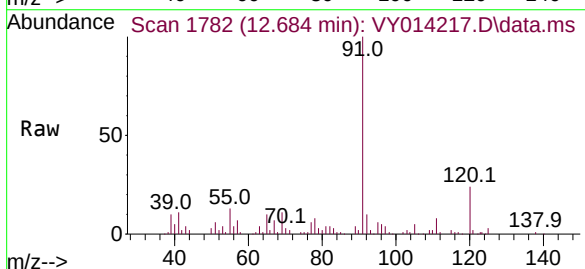
RT: 12.684 min Scan# 1782

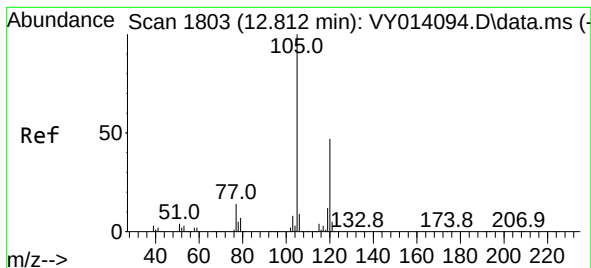
Delta R.T. 0.012 min

Lab File: VY014217.D

Acq: 16 Jun 2023 20:42

Tgt Ion: 91 Resp: 37790
 Ion Ratio Lower Upper
 91 100
 120 20.7 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 19.117 ug/l

RT: 12.825 min Scan# 1805

Delta R.T. 0.013 min

Lab File: VY014217.D

Acq: 16 Jun 2023 20:42

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-15-GRAB-7RE

Tgt Ion:105 Resp: 23529

Ion Ratio Lower Upper

105 100

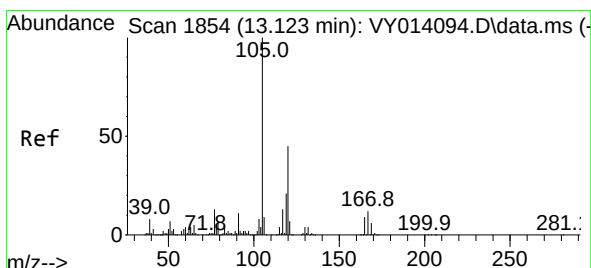
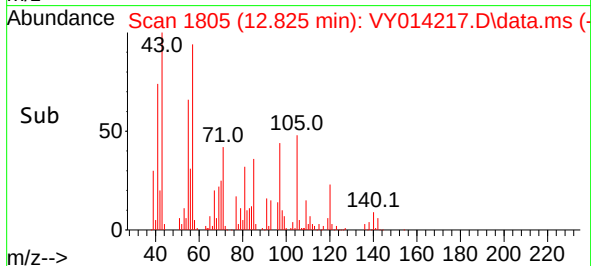
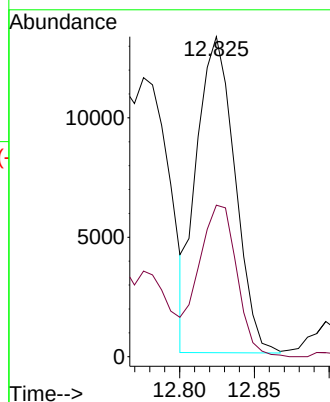
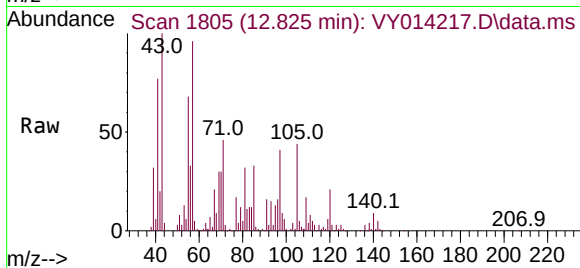
120 47.9 23.9 71.7

Manual Integrations

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Reviewed By :John Carlone 06/19/2023

Supervised By :Mahesh Dadoda 06/19/2023



#84

1,2,4-Trimethylbenzene

Concen: 33.461 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. 0.006 min

Lab File: VY014217.D

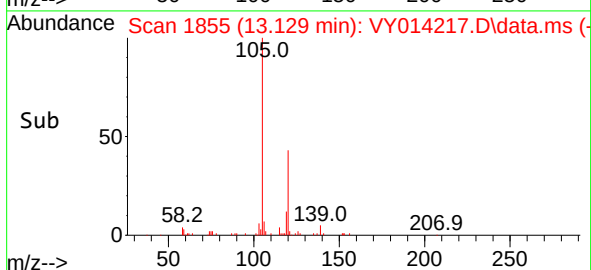
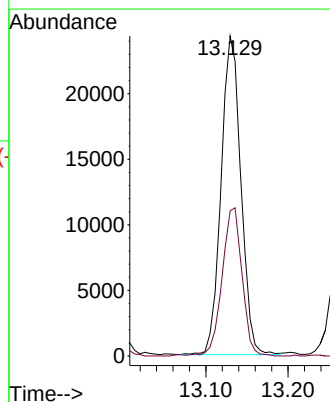
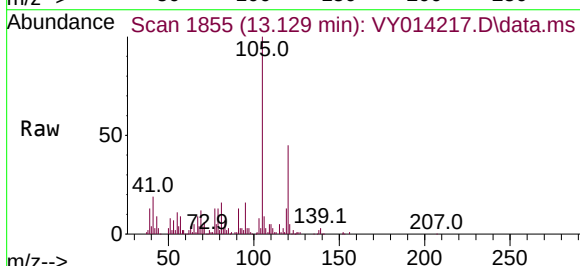
Acq: 16 Jun 2023 20:42

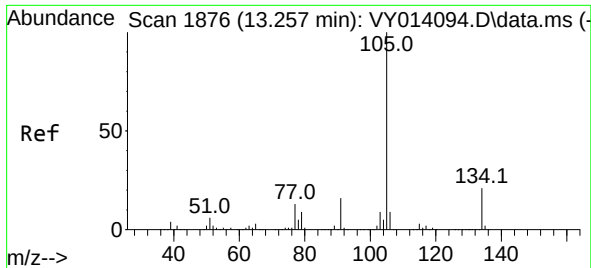
Tgt Ion:105 Resp: 40768

Ion Ratio Lower Upper

105 100

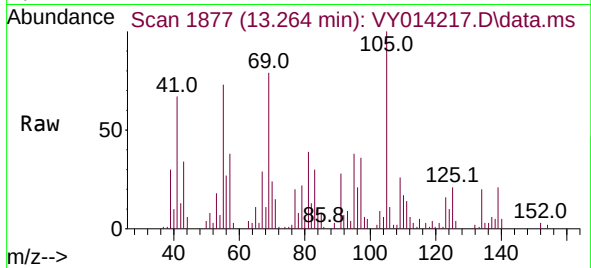
120 46.8 22.2 66.6





#85
 sec-Butylbenzene
 Concen: 8.204 ug/l
 RT: 13.264 min Scan# 1877
 Delta R.T. 0.007 min
 Lab File: VY014217.D
 Acq: 16 Jun 2023 20:42

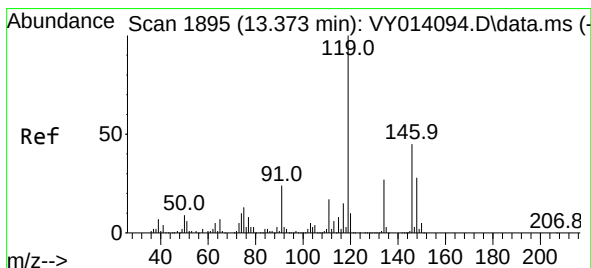
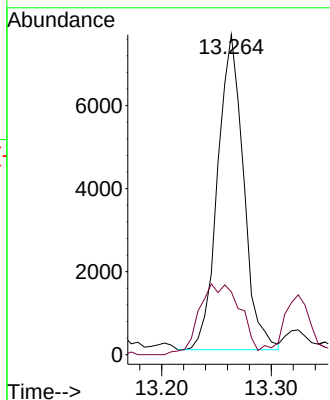
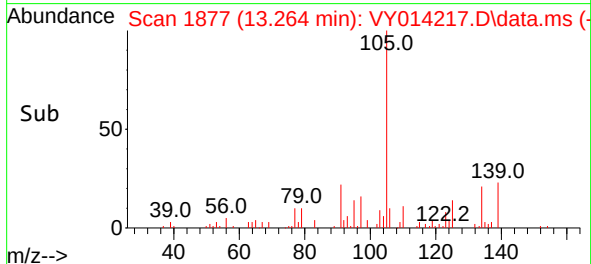
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-15-GRAB-7RE



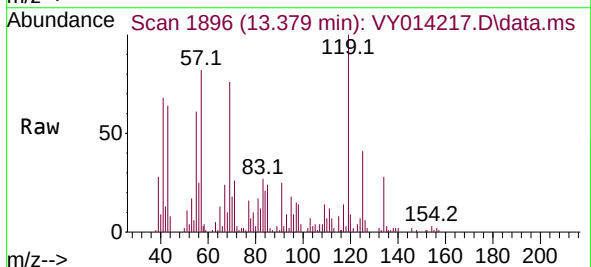
Tgt Ion:105 Resp: 12470
 Ion Ratio Lower Upper
 105 100
 134 36.8 10.2 30.6

Manual Integrations
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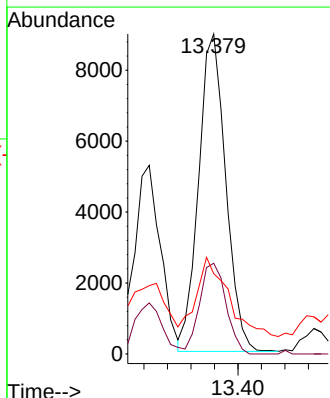
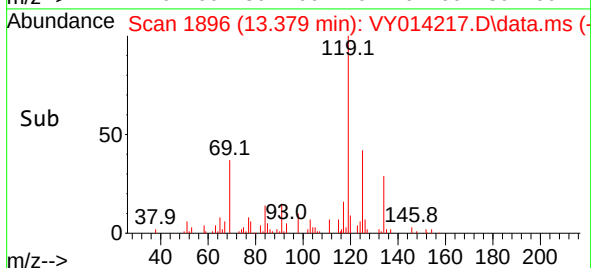
Reviewed By :John Carlone 06/19/2023
 Supervised By :Mahesh Dadoda 06/19/2023

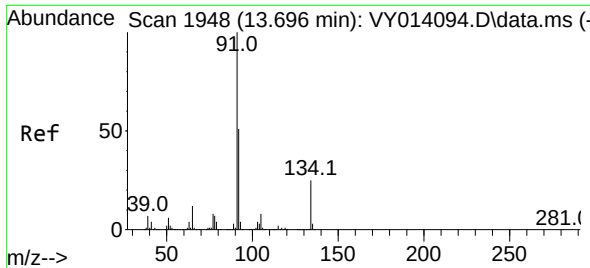


#86
 p-Isopropyltoluene
 Concen: 11.026 ug/l
 RT: 13.379 min Scan# 1896
 Delta R.T. 0.006 min
 Lab File: VY014217.D
 Acq: 16 Jun 2023 20:42



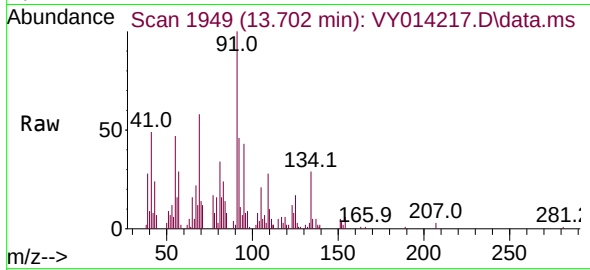
Tgt Ion:119 Resp: 14350
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.3 39.8
 91 29.2 12.4 37.4





#89
n-Butylbenzene
Concen: 7.717 ug/l
RT: 13.702 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY014217.D
Acq: 16 Jun 2023 20:42

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-15-GRAB-7RE



Tgt Ion:	91	Resp:	931
Ion	Ratio	Lower	Upper
91	100		
92	43.1	25.4	76.0
134	0.0	12.6	37.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/19/2023
Supervised By :Mahesh Dadoda 06/19/2023

