

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041723\
 Data File : VW030598.D
 Acq On : 17 Apr 2023 19:00
 Operator : SY/MD
 Sample : 02360-06
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COAN8

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/18/2023
 Supervised By : Mahesh Dadoda 04/18/2023

Quant Time: Apr 18 02:51:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:45:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.555	114	267941	50.000	ug/L	# 0.01
28) Chlorobenzene-d5	8.796	117	278381	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	138217	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	83241	42.379	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.760%		
7) Chloroethane-d5	1.535	69	69725m	42.360	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.720%		
11) 1,1-Dichloroethene-d2	2.063	65	40200	43.156	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.320%		
21) 2-Butanone-d5	3.815	46	96955	89.868	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	89.870%		
24) Chloroform-d	4.262	84	150862	42.381	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.760%		
26) 1,2-Dichloroethane-d4	4.957	65	104190	45.527	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.060%		
32) Benzene-d6	4.985	84	300938	45.723	ug/L	0.02
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.440%		
36) 1,2-Dichloropropane-d6	6.066	67	100403	49.110	ug/L	0.07
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.220%		
41) Toluene-d8	7.262	98	307093	49.695	ug/L	0.01
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.380%		
43) trans-1,3-Dichloroprop...	7.564	79	52135	50.595	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	101.180%		
47) 2-Hexanone-d5	8.037	63	74678	92.723	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	92.720%		
56) 1,1,2,2-Tetrachloroeth...	10.162	84	127567	43.001	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.000%		
66) 1,2-Dichlorobenzene-d4	11.570	152	105961	48.232	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.460%		
Target Compounds						Qvalue
3) Chloromethane	1.217	50	17088	5.655	ug/L	99
6) Bromomethane	1.494	94	3316	3.432	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	177315	85.446	ug/L	99
12) 1,1-Dichloroethene	2.072	96	56227	29.969	ug/L	83
13) Acetone	2.134	43	26168	15.675	ug/L	91
20) cis-1,2-Dichloroethene	3.828	96	24899	12.085	ug/L	95
25) Chloroform	4.291	83	27424	6.861	ug/L	98
30) 1,1,1-Trichloroethane	4.535	97	936465	239.403	ug/L	100
31) Carbon tetrachloride	4.760	117	51111	14.614	ug/L	99
33) Benzene	5.043	78	42646	5.045	ug/L	100
34) Trichloroethene	5.847	95	95191236m	43291.278	ug/L	
38) Bromodichloromethane	6.461	83	13272	4.152	ug/L	# 92
40) 4-Methyl-2-pentanone	7.175	43	3729409	1173.371	ug/L	99
42) Toluene	7.333	91	2076850	229.370	ug/L	99
45) 1,1,2-Trichloroethane	7.780	97	175107	76.749	ug/L	99
46) Tetrachloroethene	7.918	164	36900	19.172	ug/L	99
52) Ethylbenzene	8.960	91	20117	2.007	ug/L	97
53) m,p-Xylene	9.085	106	8460	2.234	ug/L	93
54) o-Xylene	9.490	106	2496	0.674	ug/L	81

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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AN8

Manual Integrations
APPROVED

Reviewed By : John Carlone 04/18/2023
Supervised By : Mahesh Dadoda 04/18/2023

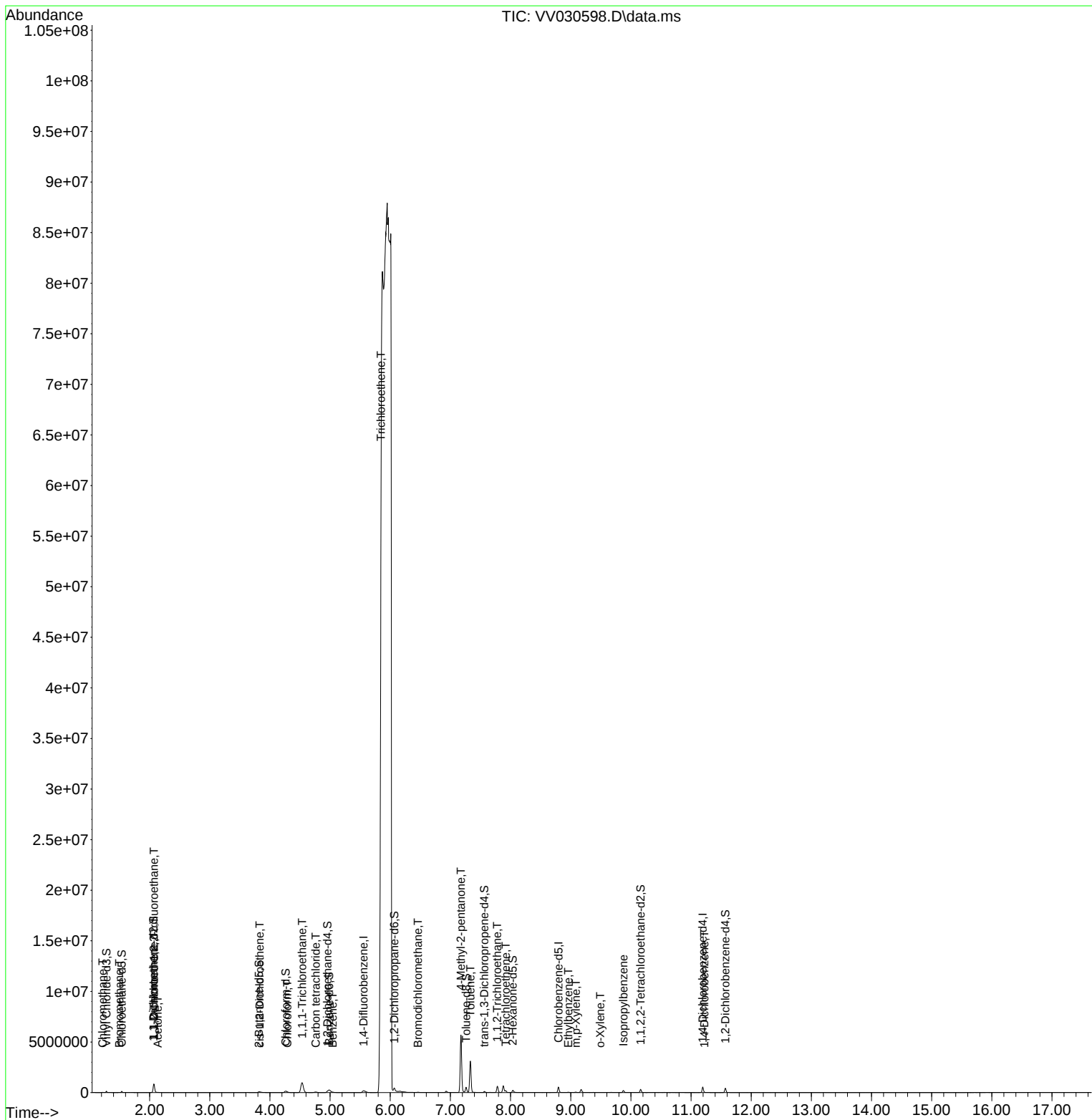
Quant Time: Apr 18 02:51:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 18 02:45:56 2023
Response via : Initial Calibration

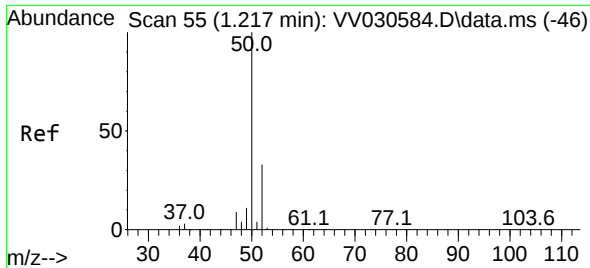
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	9.876	105	103739	12.035	ug/L	99
65) 1,4-Dichlorobenzene	11.220	146	6960	1.529	ug/L	97

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

Manual Integrations

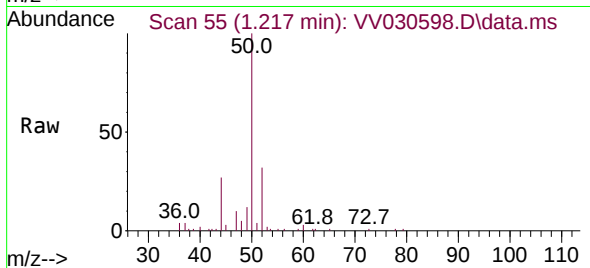
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 18 02:45:56 2023
Response via : Initial Calibration





#3
Chloromethane
Concen: 5.655 ug/L
RT: 1.217 min Scan# 50
Delta R.T. -0.000 min
Lab File: VV030598.D
Acq: 17 Apr 2023 19:00

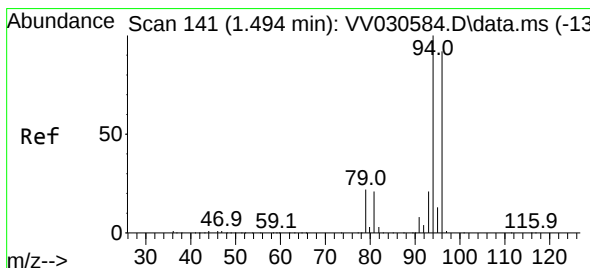
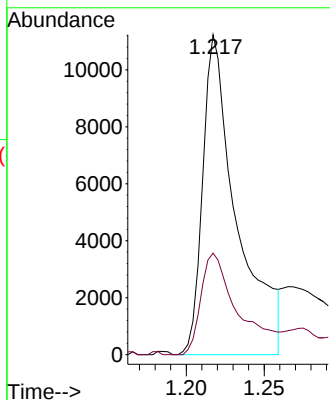
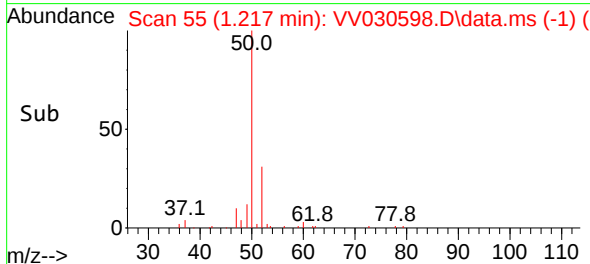
Instrument :
MSVOA_V
ClientSampleId :
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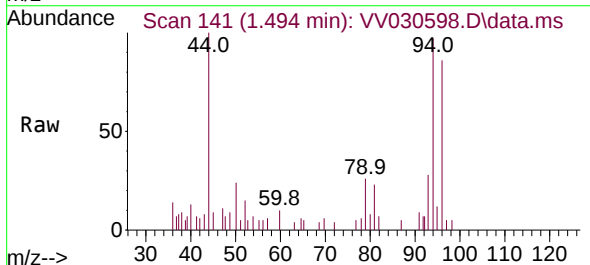
Tgt Ion: 50 Resp: 17088
Ion Ratio Lower Upper
50 100
52 31.8 22.5 41.9

Manual Integrations
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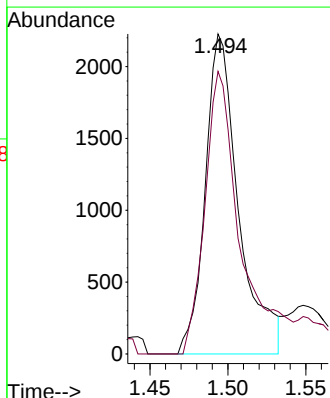
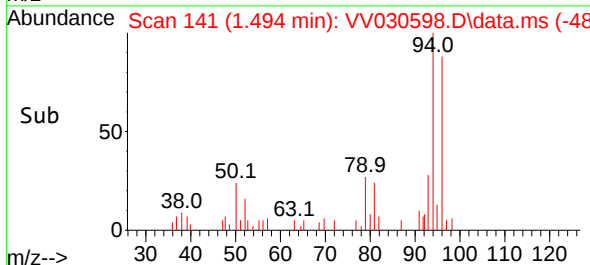
Reviewed By :John Carlone 04/18/2023
Supervised By :Mahesh Dadoda 04/18/2023

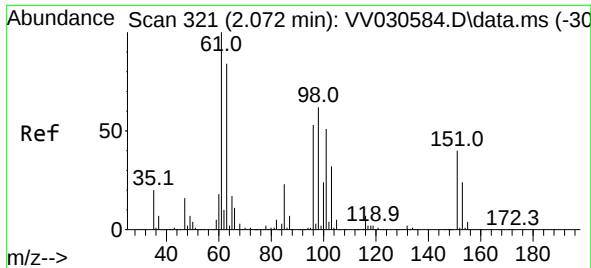


#6
Bromomethane
Concen: 3.432 ug/L
RT: 1.494 min Scan# 141
Delta R.T. -0.000 min
Lab File: VV030598.D
Acq: 17 Apr 2023 19:00



Tgt Ion: 94 Resp: 3316
Ion Ratio Lower Upper
94 100
96 88.3 66.3 123.1





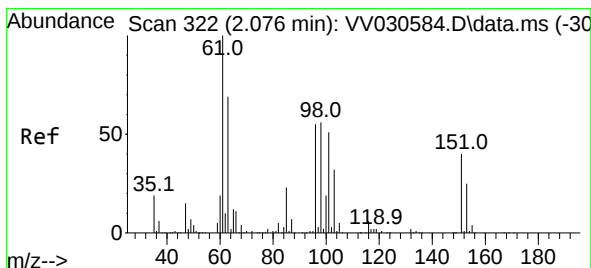
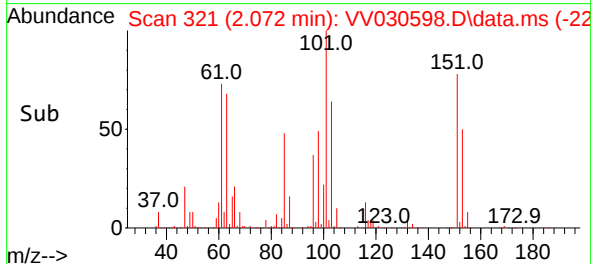
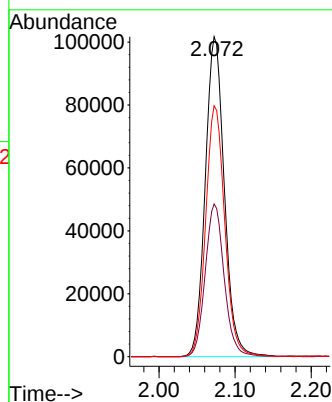
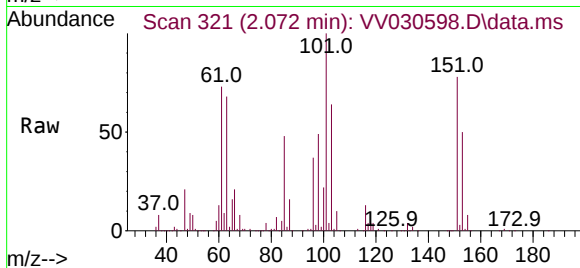
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 85.446 ug/L
RT: 2.072 min Scan# 321
Delta R.T. -0.000 min
Lab File: VV030598.D
Acq: 17 Apr 2023 19:00

Instrument :
MSVOA_V
ClientSampleId :
COAN8

Tgt Ion:101 Resp: 177315
Ion Ratio Lower Upper
101 100
85 47.6 37.5 56.3
151 78.4 63.5 95.3

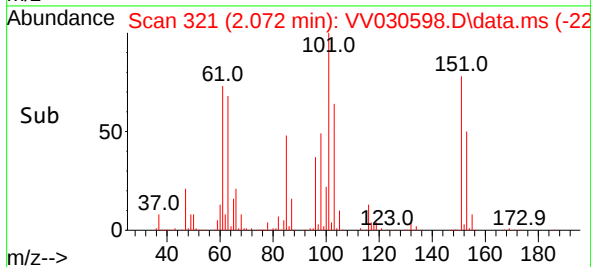
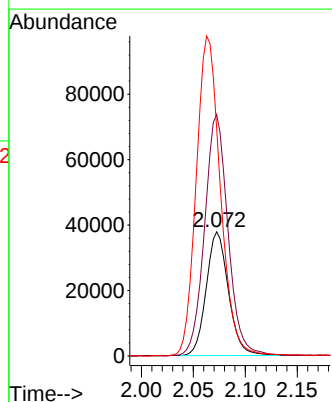
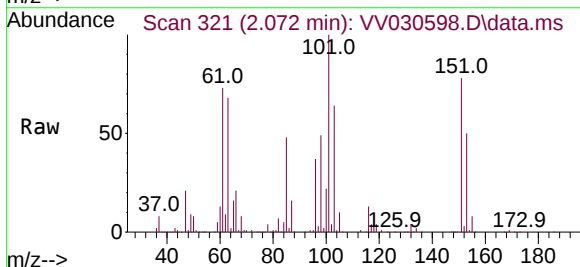
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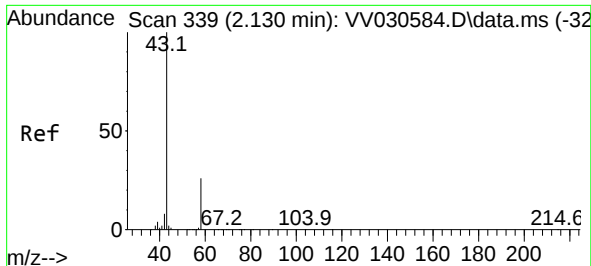
Reviewed By :John Carlone 04/18/2023
Supervised By :Mahesh Dadoda 04/18/2023



#12
1,1-Dichloroethene
Concen: 29.969 ug/L
RT: 2.072 min Scan# 321
Delta R.T. -0.003 min
Lab File: VV030598.D
Acq: 17 Apr 2023 19:00

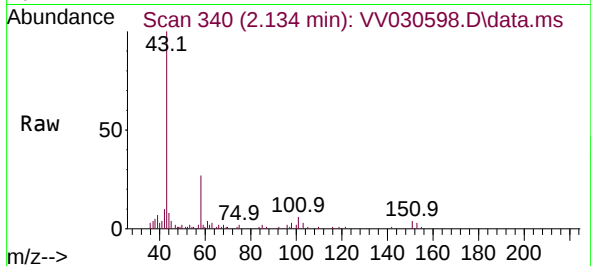
Tgt Ion: 96 Resp: 56227
Ion Ratio Lower Upper
96 100
61 194.4 131.9 245.0
63 183.3 99.8 185.3





#13
Acetone
Concen: 15.675 ug/L
RT: 2.134 min Scan# 341
Delta R.T. 0.003 min
Lab File: VV030598.D
Acq: 17 Apr 2023 19:00

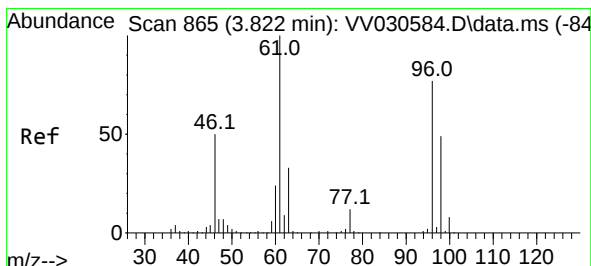
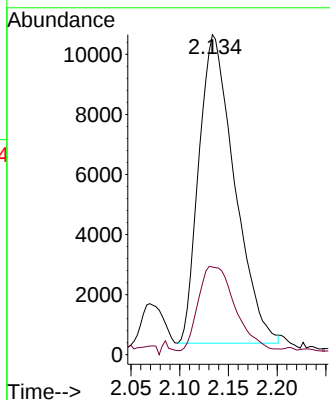
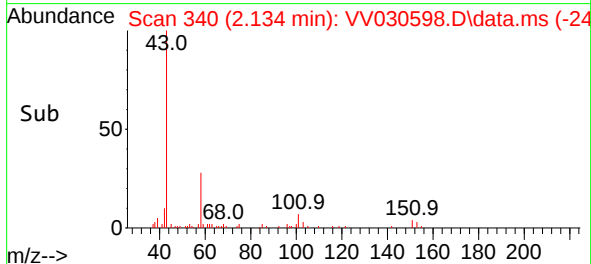
Instrument :
MSVOA_V
ClientSampleId :
COAN8



Tgt Ion: 43 Resp: 26168
Ion Ratio Lower Upper
43 100
58 31.1 0.0 52.8

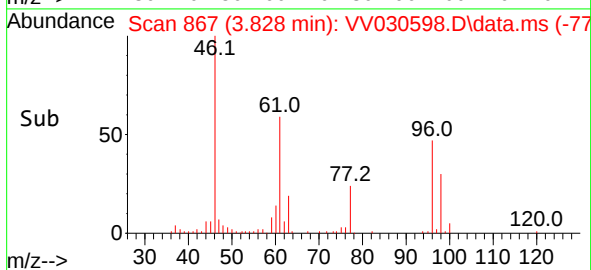
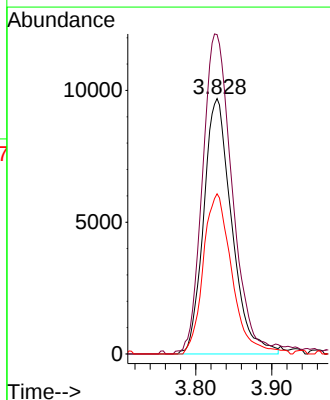
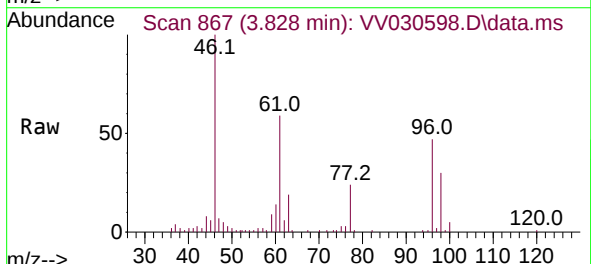
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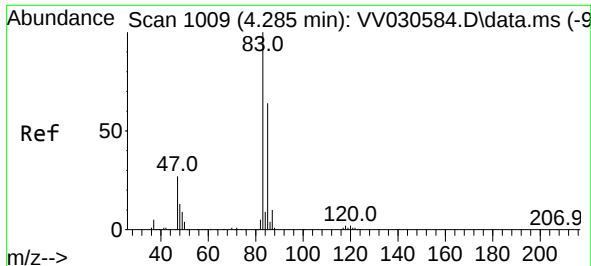
Reviewed By :John Carlone 04/18/2023
Supervised By :Mahesh Dadoda 04/18/2023



#20
cis-1,2-Dichloroethene
Concen: 12.085 ug/L
RT: 3.828 min Scan# 867
Delta R.T. 0.006 min
Lab File: VV030598.D
Acq: 17 Apr 2023 19:00

Tgt Ion: 96 Resp: 24899
Ion Ratio Lower Upper
96 100
61 125.1 92.3 171.3
98 62.7 45.9 85.3





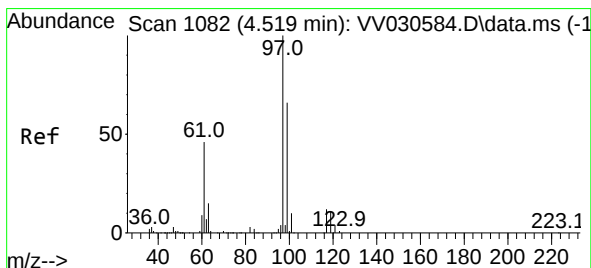
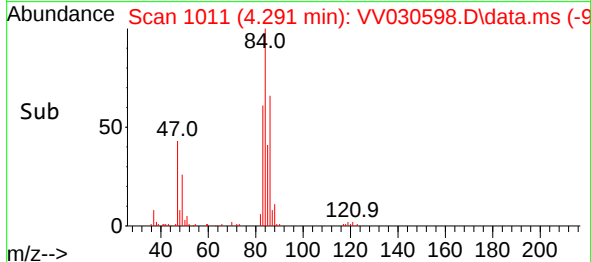
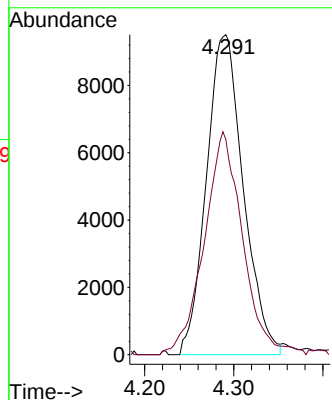
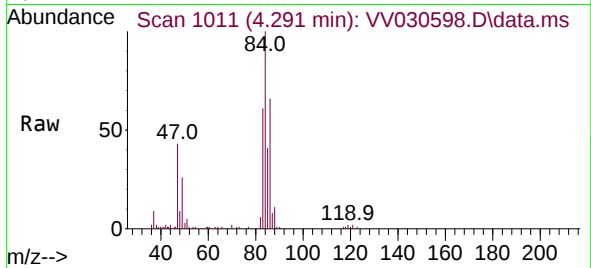
#25
Chloroform
Concen: 6.861 ug/L
RT: 4.291 min Scan# 1011
Delta R.T. 0.006 min
Lab File: VV030598.D
Acq: 17 Apr 2023 19:00

Instrument :
MSVOA_V
ClientSampleId :
COAN8

Tgt Ion: 83 Resp: 27424
Ion Ratio Lower Upper
83 100
85 67.3 45.8 85.2

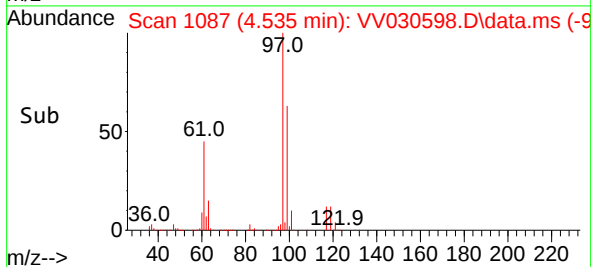
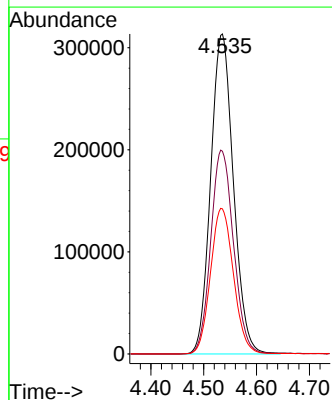
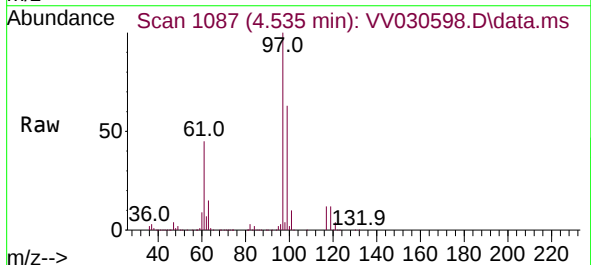
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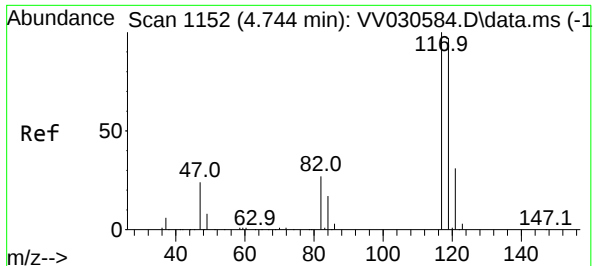
Reviewed By :John Carlone 04/18/2023
Supervised By :Mahesh Dadoda 04/18/2023



#30
1,1,1-Trichloroethane
Concen: 239.403 ug/L
RT: 4.535 min Scan# 1087
Delta R.T. 0.016 min
Lab File: VV030598.D
Acq: 17 Apr 2023 19:00

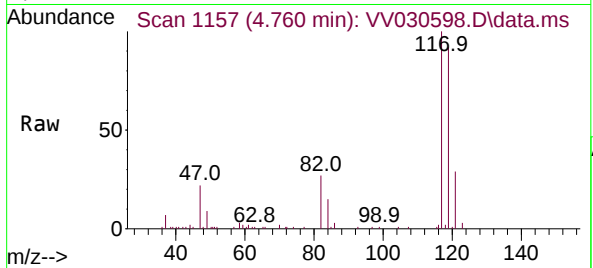
Tgt Ion: 97 Resp: 936465
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.0
61 46.1 37.0 55.6





#31
Carbon tetrachloride
Concen: 14.614 ug/L
RT: 4.760 min Scan# 1152
Delta R.T. 0.016 min
Lab File: VV030598.D
Acq: 17 Apr 2023 19:00

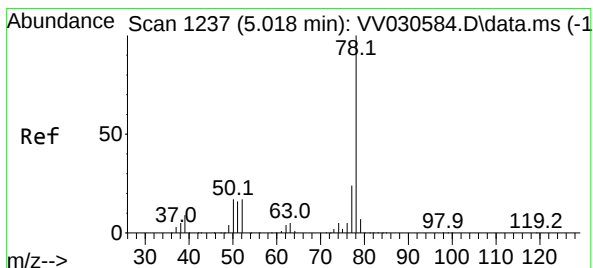
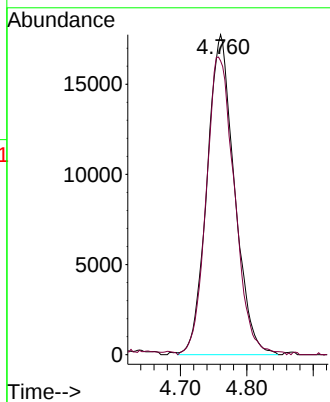
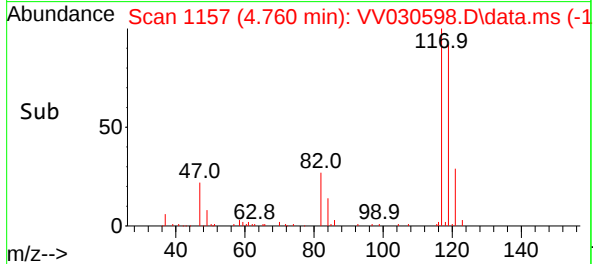
Instrument :
MSVOA_V
ClientSampleId :
COAN8



Tgt Ion:117 Resp: 5111
Ion Ratio Lower Upper
117 100
119 95.6 75.9 113.9

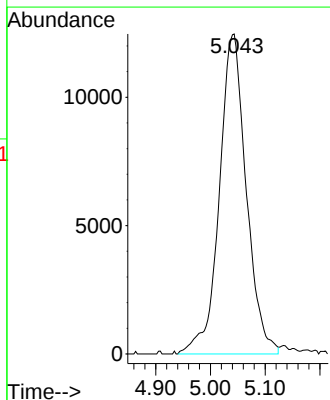
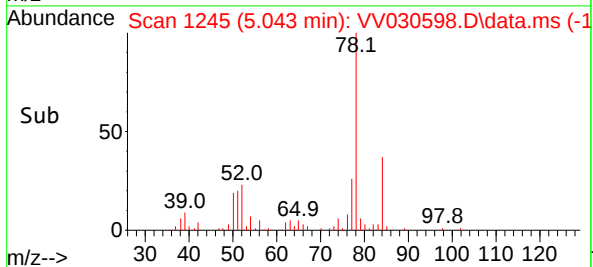
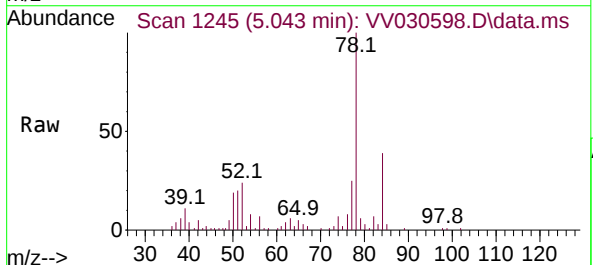
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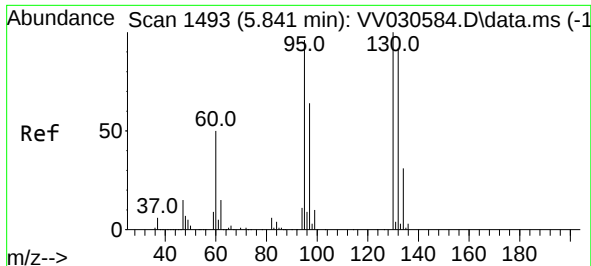
Reviewed By :John Carlone 04/18/2023
Supervised By :Mahesh Dadoda 04/18/2023



#33
Benzene
Concen: 5.045 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. 0.026 min
Lab File: VV030598.D
Acq: 17 Apr 2023 19:00

Tgt Ion: 78 Resp: 42646





#34

Trichloroethene

Concen: 43291.278 ug/L m

RT: 5.847 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VV030598.D

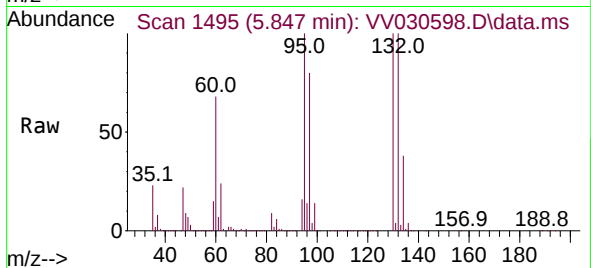
Acq: 17 Apr 2023 19:00

Instrument :

MSVOA_V

ClientSampleId :

COAN8



Tgt Ion: 95 Resp: 95191230

Ion Ratio Lower Upper

95 100

97 80.4 45.8 85.2

132 100.0 70.6 131.2

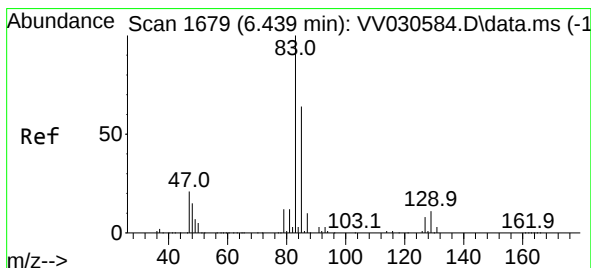
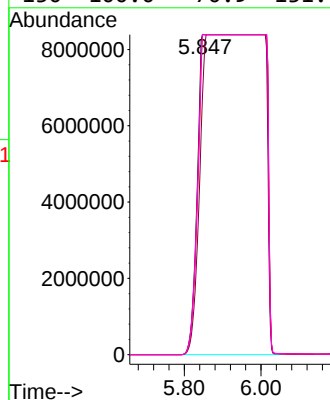
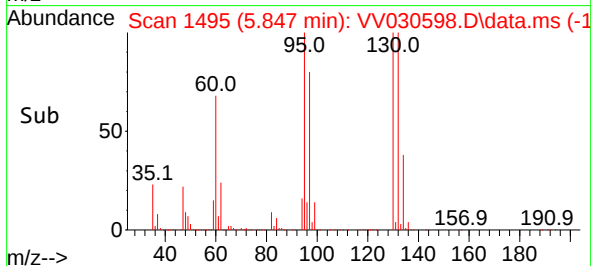
130 100.0 70.9 131.7

Manual Integrations

APPROVED

Reviewed By : John Carlone 04/18/2023

Supervised By : Mahesh Dadoda 04/18/2023



#38

Bromodichloromethane

Concen: 4.152 ug/L

RT: 6.461 min Scan# 1686

Delta R.T. 0.022 min

Lab File: VV030598.D

Acq: 17 Apr 2023 19:00

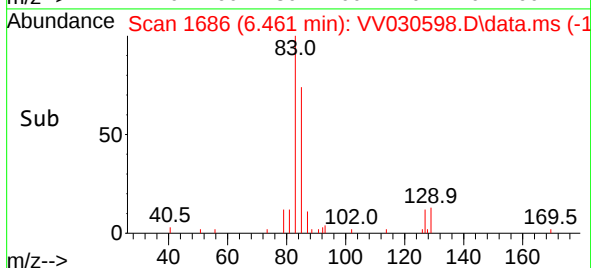
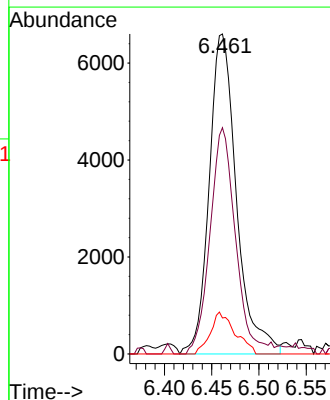
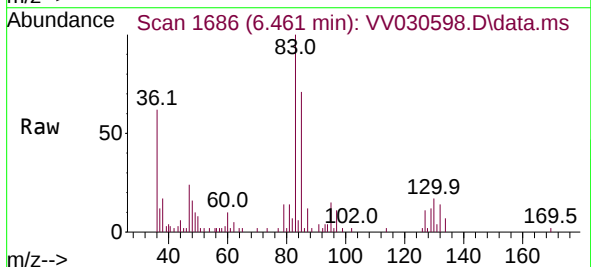
Tgt Ion: 83 Resp: 13272

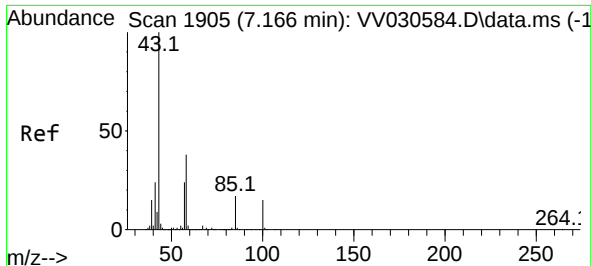
Ion Ratio Lower Upper

83 100

85 70.7 45.4 84.4

127 13.2 7.0 10.4#





#40

4-Methyl-2-pentanone

Concen: 1173.371 ug/L

RT: 7.175 min Scan# 1905

Delta R.T. 0.010 min

Lab File: VV030598.D

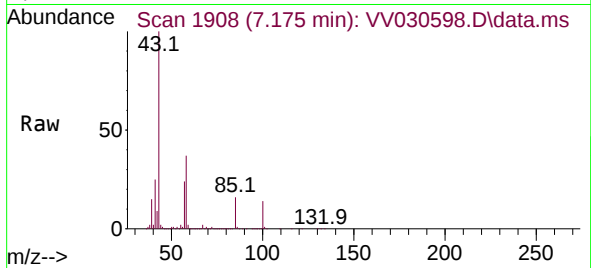
Acq: 17 Apr 2023 19:00

Instrument :

MSVOA_V

ClientSampleId :

COAN8



Tgt Ion: 43 Resp: 3729409

Ion Ratio Lower Upper

43 100

58 36.8 29.2 43.8

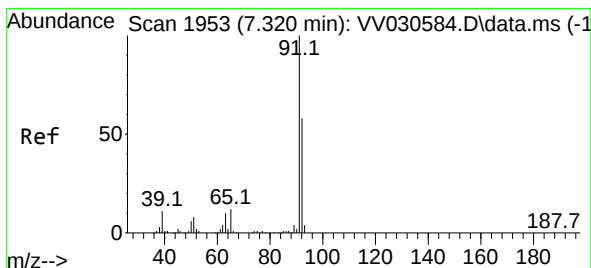
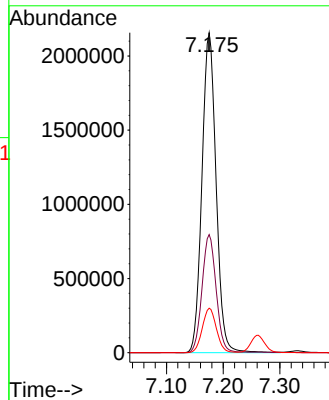
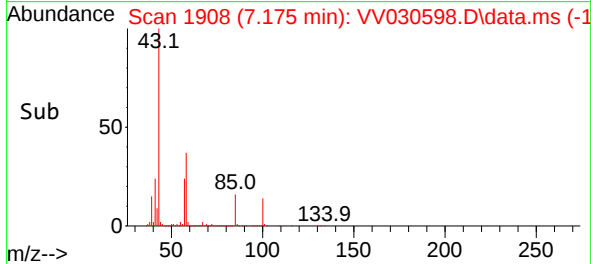
100 13.9 11.3 16.9

Manual Integrations

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Reviewed By :John Carlone 04/18/2023

Supervised By :Mahesh Dadoda 04/18/2023



#42

Toluene

Concen: 229.370 ug/L

RT: 7.333 min Scan# 1957

Delta R.T. 0.013 min

Lab File: VV030598.D

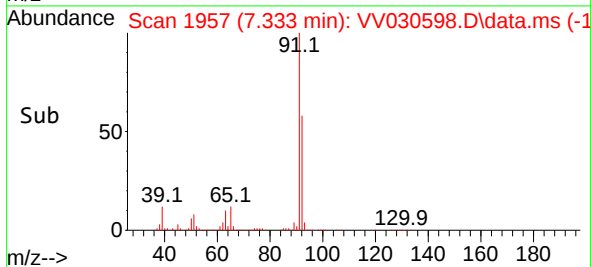
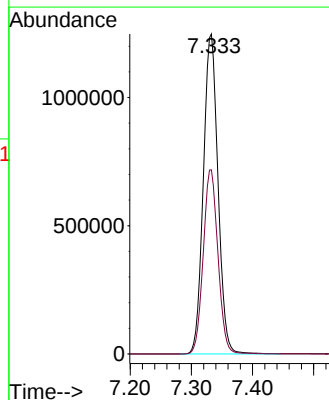
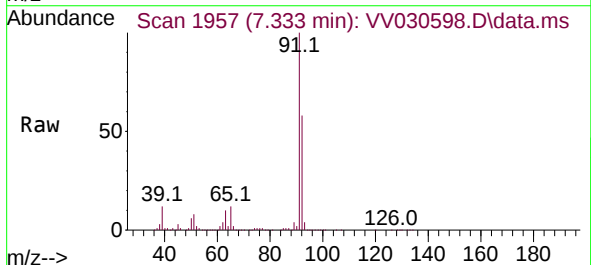
Acq: 17 Apr 2023 19:00

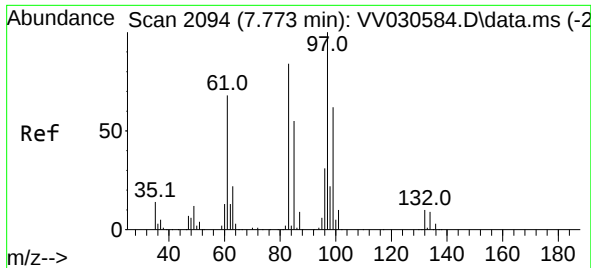
Tgt Ion: 91 Resp: 2076850

Ion Ratio Lower Upper

91 100

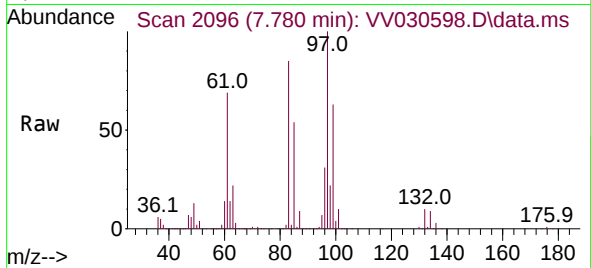
92 57.6 39.8 73.8





#45
1,1,2-Trichloroethane
Concen: 76.749 ug/L
RT: 7.780 min Scan# 2096
Delta R.T. 0.006 min
Lab File: VV030598.D
Acq: 17 Apr 2023 19:00

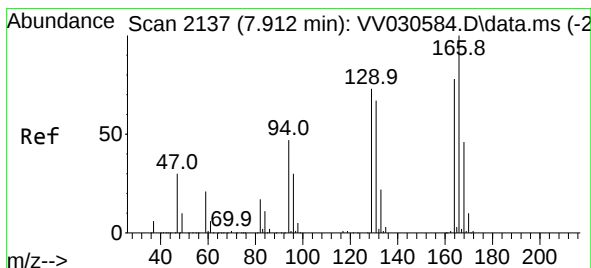
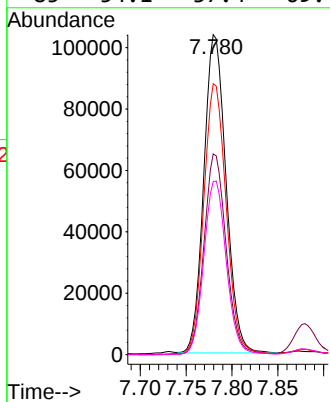
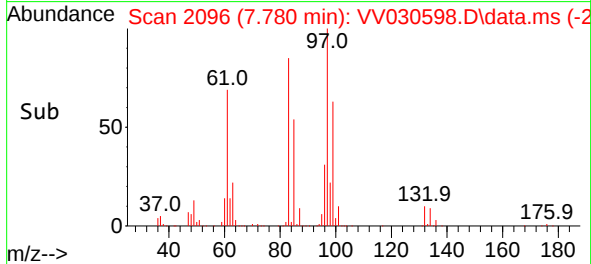
Instrument :
MSVOA_V
ClientSampleId :
COAN8



Tgt Ion:	97	Ratio	100	Lower	Upper
97	100				
99	62.8		43.8	81.4	
83	84.7		59.6	110.6	
85	54.1		37.4	69.4	

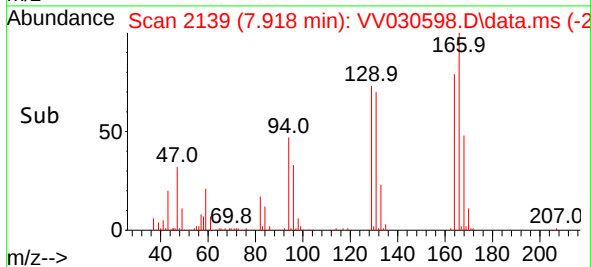
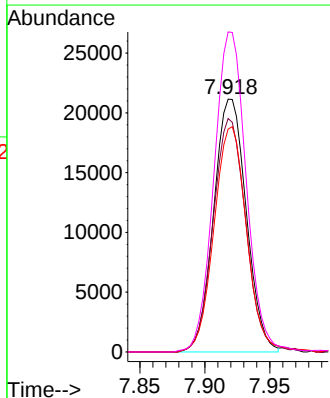
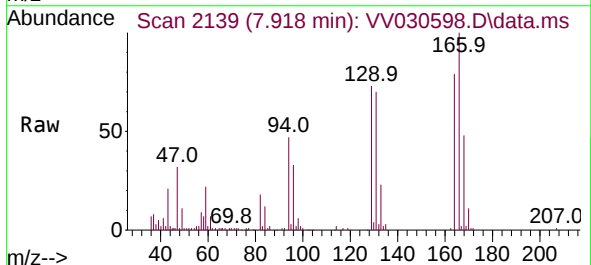
Manual Integrations
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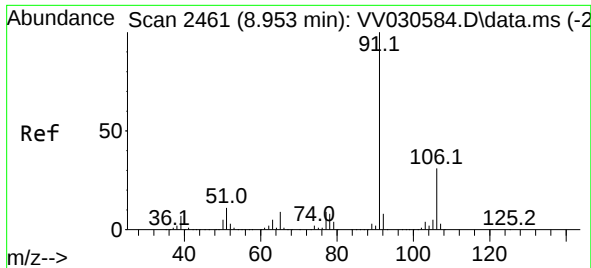
Reviewed By :John Carlone 04/18/2023
Supervised By :Mahesh Dadoda 04/18/2023



#46
Tetrachloroethene
Concen: 19.172 ug/L
RT: 7.918 min Scan# 2139
Delta R.T. 0.006 min
Lab File: VV030598.D
Acq: 17 Apr 2023 19:00

Tgt Ion:	164	Ratio	100	Lower	Upper
164	100				
129	92.4		63.8	118.6	
131	88.2		60.3	111.9	
166	126.6		89.5	166.1	





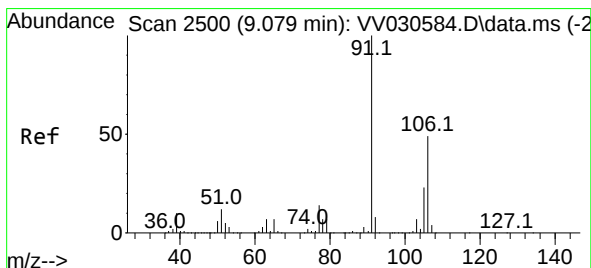
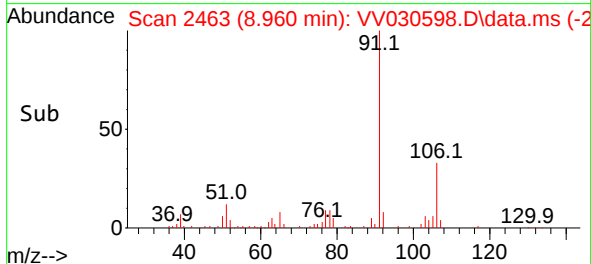
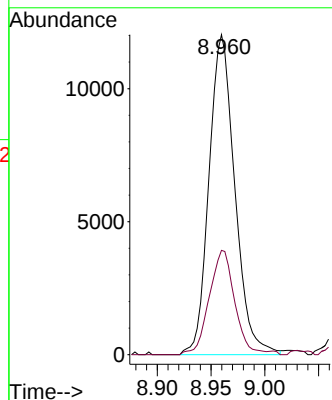
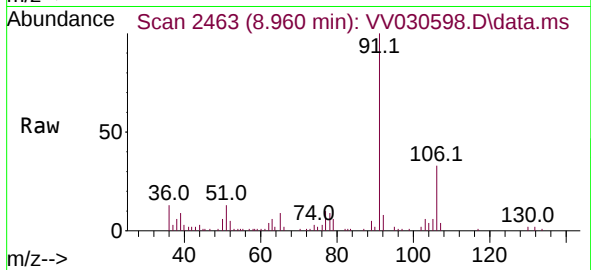
#52
Ethylbenzene
Concen: 2.007 ug/L
RT: 8.960 min Scan# 2461
Delta R.T. 0.006 min
Lab File: VV030598.D
Acq: 17 Apr 2023 19:00

Instrument :
MSVOA_V
ClientSampleId :
COAN8

Tgt Ion: 91 Resp: 2011
Ion Ratio Lower Upper
91 100
106 32.6 21.8 40.4

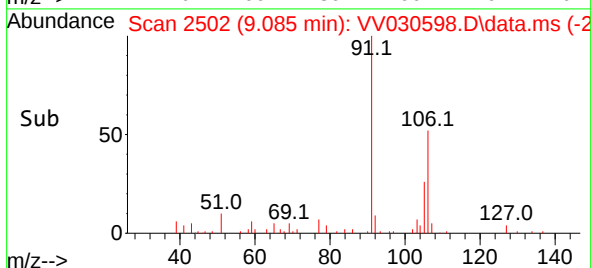
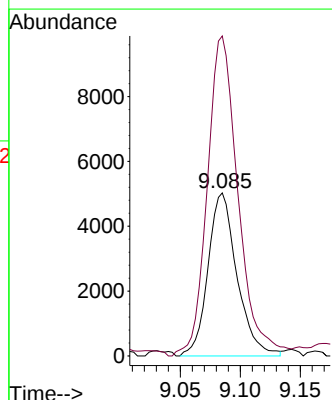
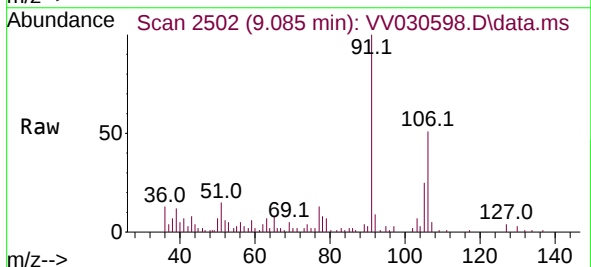
Manual Integrations
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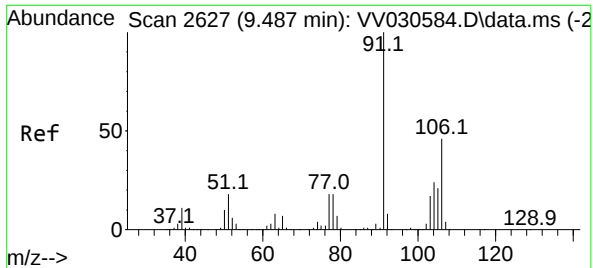
Reviewed By :John Carlone 04/18/2023
Supervised By :Mahesh Dadoda 04/18/2023



#53
m,p-Xylene
Concen: 2.234 ug/L
RT: 9.085 min Scan# 2502
Delta R.T. 0.006 min
Lab File: VV030598.D
Acq: 17 Apr 2023 19:00

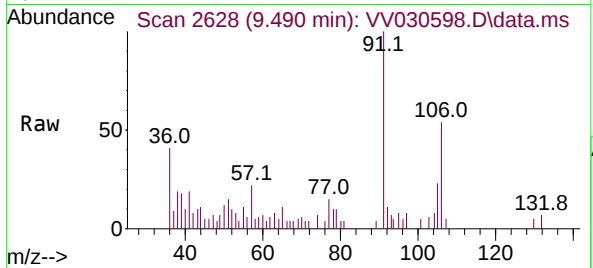
Tgt Ion:106 Resp: 8460
Ion Ratio Lower Upper
106 100
91 196.3 144.7 268.7





#54
o-Xylene
Concen: 0.674 ug/L
RT: 9.490 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV030598.D
Acq: 17 Apr 2023 19:00

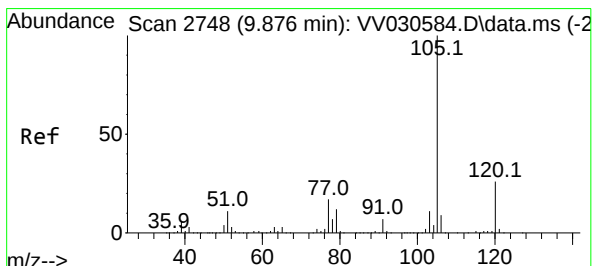
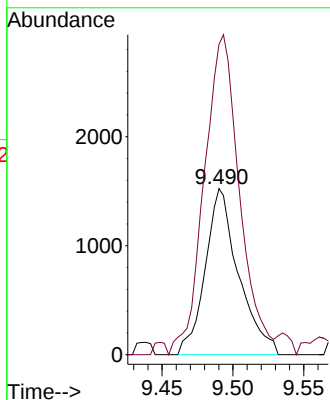
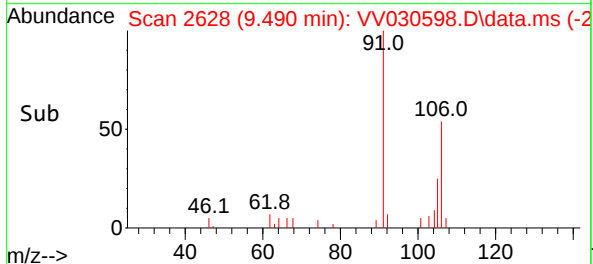
Instrument :
MSVOA_V
ClientSampleId :
COAN8



Tgt Ion:106 Resp: 2490
Ion Ratio Lower Upper
106 100
91 186.9 152.6 283.4

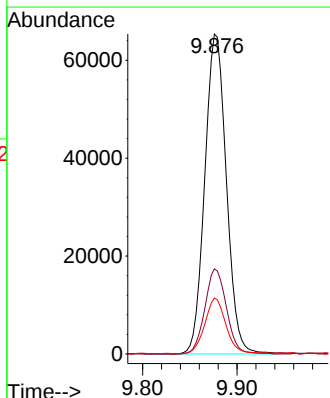
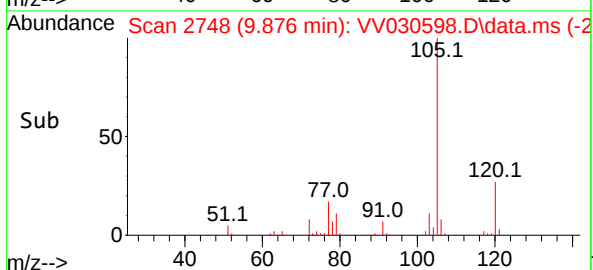
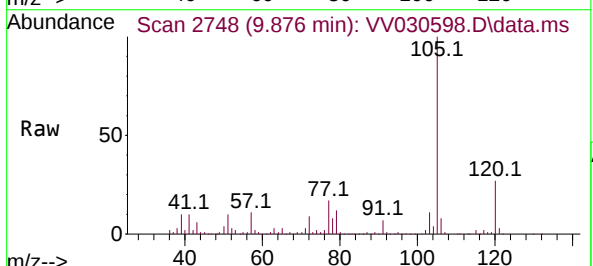
Manual Integrations
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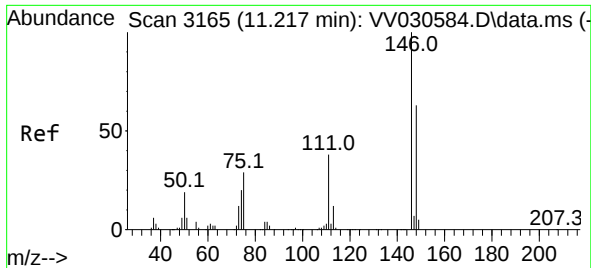
Reviewed By :John Carlone 04/18/2023
Supervised By :Mahesh Dadoda 04/18/2023



#60
Isopropylbenzene
Concen: 12.035 ug/L
RT: 9.876 min Scan# 2748
Delta R.T. -0.000 min
Lab File: VV030598.D
Acq: 17 Apr 2023 19:00

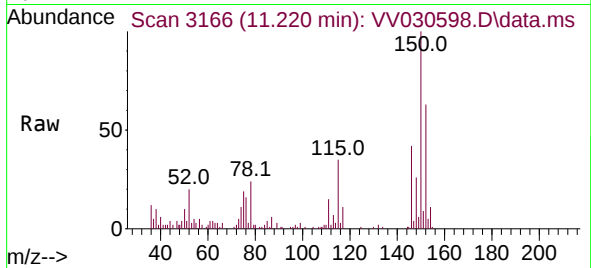
Tgt Ion:105 Resp: 103739
Ion Ratio Lower Upper
105 100
120 26.6 20.9 31.3
77 17.2 13.0 19.6





#65
 1,4-Dichlorobenzene
 Concen: 1.529 ug/L
 RT: 11.220 min Scan# 3166
 Delta R.T. 0.003 min
 Lab File: VV030598.D
 Acq: 17 Apr 2023 19:00

Instrument :
 MSVOA_V
 ClientSampleId :
 COAN8



Tgt Ion:146 Resp: 6960
 Ion Ratio Lower Upper
 146 100
 111 35.8 26.5 49.1
 148 62.1 44.7 83.1

Manual Integrations
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Reviewed By :John Carlone 04/18/2023
 Supervised By :Mahesh Dadoda 04/18/2023

