

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
 Data File : VU047659.D
 Acq On : 25 Mar 2022 01:40
 Operator : SY/MD
 Sample : N2081-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y5

Quant Time: Mar 25 05:31:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 24 23:34:42 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/29/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	347760	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	352887	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	202263	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	97202	38.544	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	77.080%		
7) Chloroethane-d5	1.919	69	78887	39.672	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	79.340%		
11) 1,1-Dichloroethene-d2	2.572	63	167268	36.253	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.500%		
21) 2-Butanone-d5	4.642	46	210843	97.408	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.410%		
24) Chloroform-d	5.067	84	188185	40.783	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.560%		
26) 1,2-Dichloroethane-d4	5.703	65	120986	42.751	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.500%		
32) Benzene-d6	5.729	84	387977	43.693	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.380%		
36) 1,2-Dichloropropane-d6	6.694	67	122196	44.809	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.620%		
41) Toluene-d8	7.899	98	367166	42.440	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.880%		
43) trans-1,3-Dichloroprop...	8.182	79	58213	42.136	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.280%		
47) 2-Hexanone-d5	8.636	63	147782	92.572	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	92.570%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	197249	42.147	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.300%		
66) 1,2-Dichlorobenzene-d4	12.192	152	167439	46.531	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.060%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	90566	28.800	ug/L	99
8) Chloroethane	1.938	64	141068	71.461	ug/L	98
9) Trichlorofluoromethane	2.144	101	3797	0.856	ug/L	98
12) 1,1-Dichloroethene	2.584	96	59890	25.106	ug/L	86
13) Acetone	2.662	43	6801m	3.376	ug/L	
17) trans-1,2-Dichloroethene	3.359	96	25031	9.728	ug/L	94
19) 1,1-Dichloroethane	3.874	63	2115521	476.737	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	4403928	1561.243	ug/L	94
27) 1,2-Dichloroethane	5.797	62	17873	4.842	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	2154183	538.361	ug/L	100
33) Benzene	5.777	78	15116	1.480	ug/L	100
34) Trichloroethene	6.546	95	29728	11.101	ug/L	99
35) Methylcyclohexane	6.764	83	6645	1.631	ug/L	97
40) 4-Methyl-2-pentanone	7.796	43	12129	2.955	ug/L	99
42) Toluene	7.970	91	129108	11.520	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	3279	1.191	ug/L	93
46) Tetrachloroethene	8.555	164	60157	24.998	ug/L	98
52) Ethylbenzene	9.571	91	24361	2.067	ug/L	98
53) m,p-Xylene	9.694	106	23735	5.133	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.102	106	103558	22.819	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	211173	35.605	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	130665	14.504	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	5800	0.954	ug/L #	92

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

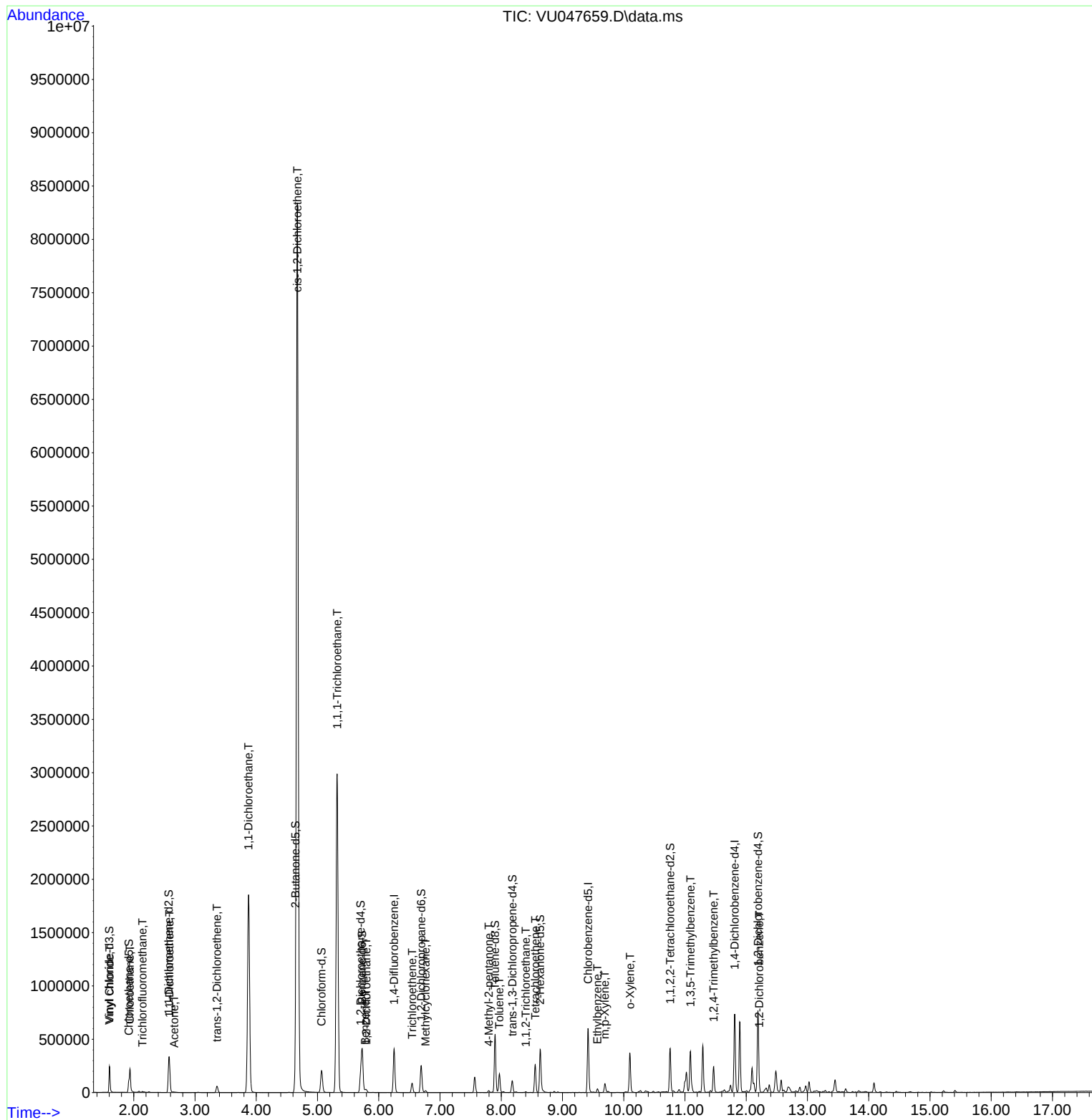
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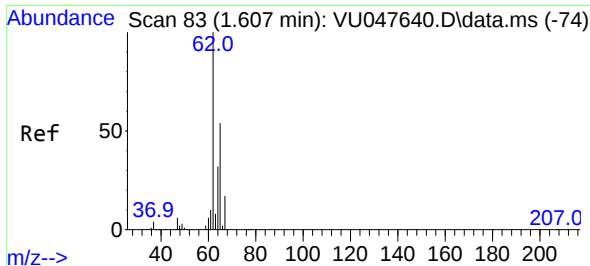
Instrument :
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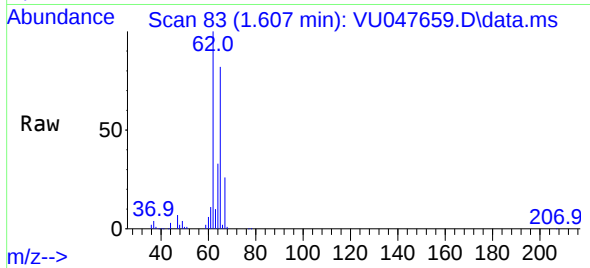
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Quant Title : VOC Analysis
QLast Update : Thu Mar 24 23:34:42 2022
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#5
 Vinyl chloride
 Concen: 28.800 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU047659.D
 Acq: 25 Mar 2022 01:40

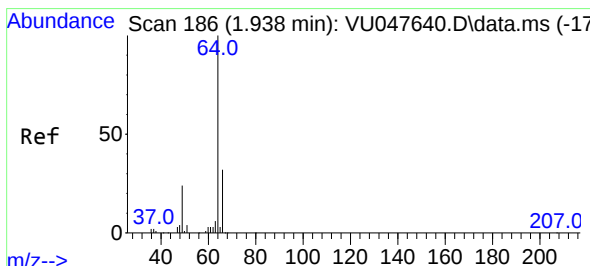
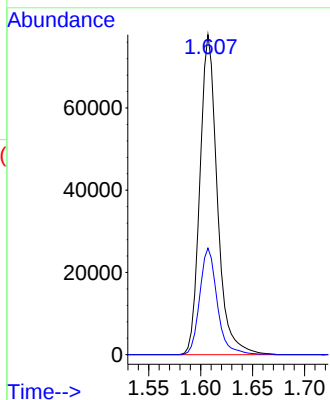
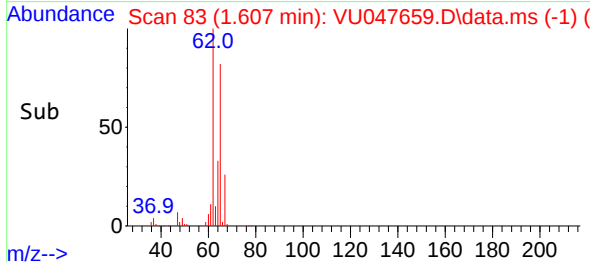
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y5



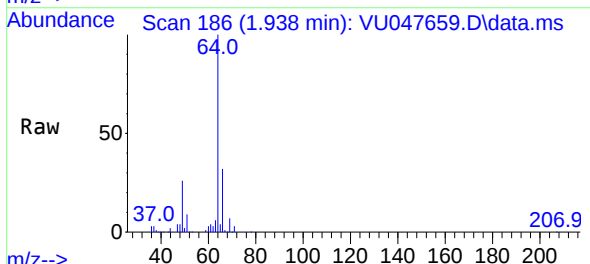
Tgt Ion: 62 Resp: 90560
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.7 43.9

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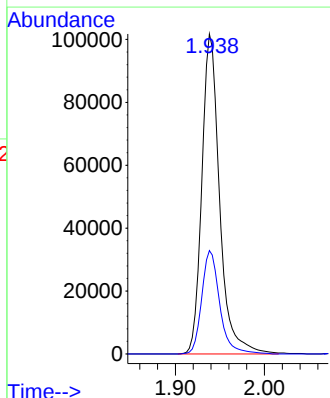
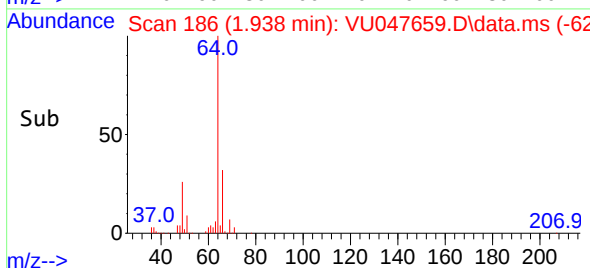
Reviewed By :John Carlone 03/25/2022
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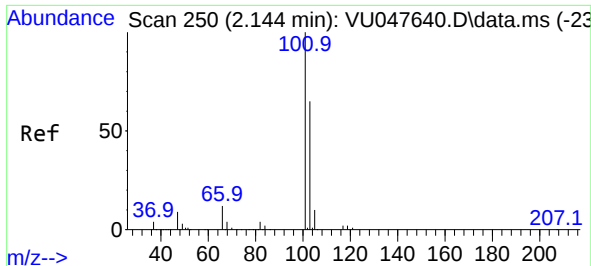


#8
 Chloroethane
 Concen: 71.461 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU047659.D
 Acq: 25 Mar 2022 01:40



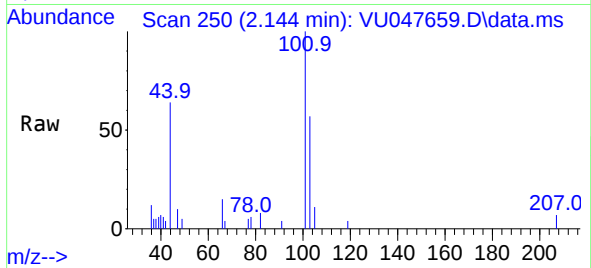
Tgt Ion: 64 Resp: 141068
 Ion Ratio Lower Upper
 64 100
 66 32.3 23.3 43.3





#9
Trichlorofluoromethane
Concen: 0.856 ug/L
RT: 2.144 min Scan# 210
Delta R.T. 0.000 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40

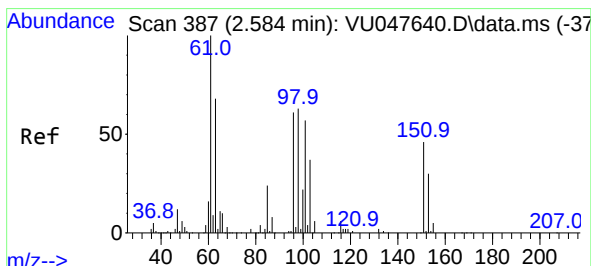
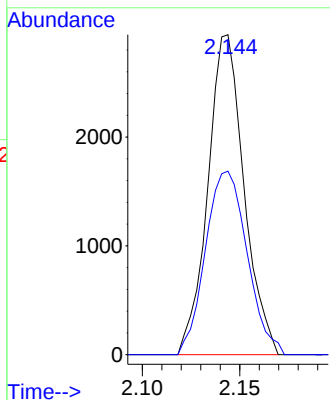
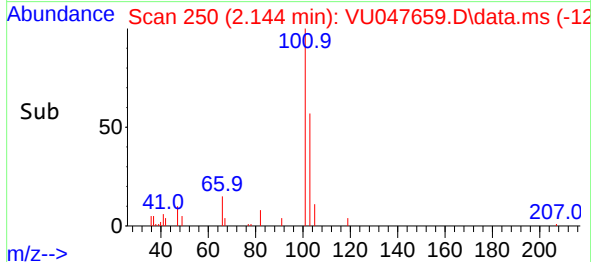
Instrument :
MSVOA_U
ClientSampleId :
EW5Y5



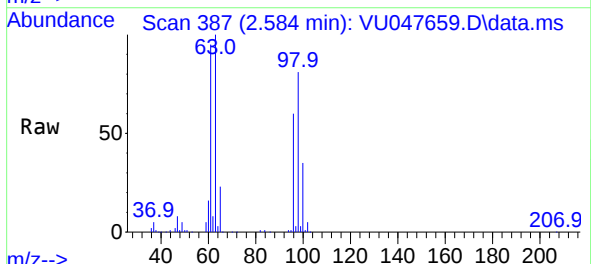
Tgt Ion:101 Resp: 379
Ion Ratio Lower Upper
101 100
103 66.1 51.4 77.2

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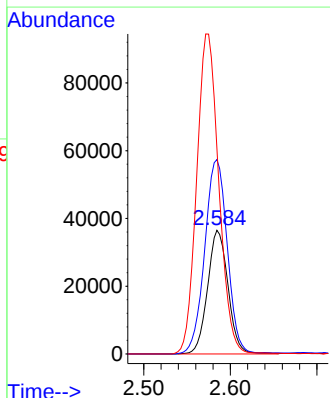
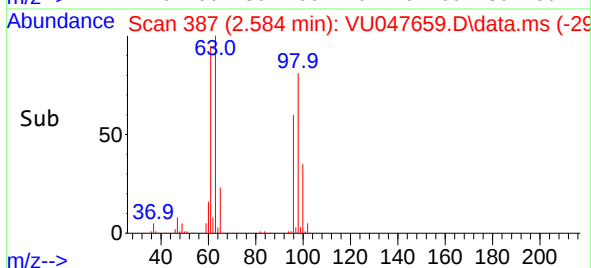
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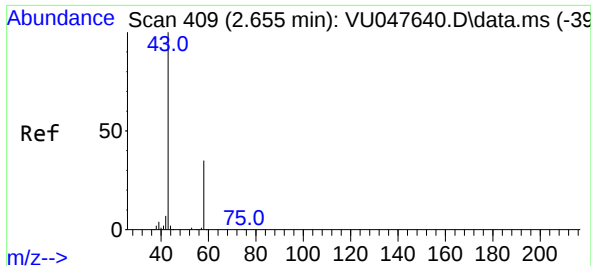


#12
1,1-Dichloroethene
Concen: 25.106 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40



Tgt Ion: 96 Resp: 59890
Ion Ratio Lower Upper
96 100
61 157.1 113.1 210.1
63 166.1 94.8 176.0





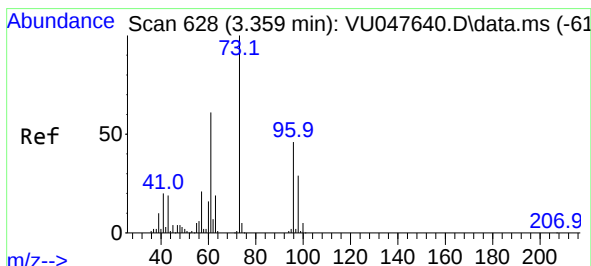
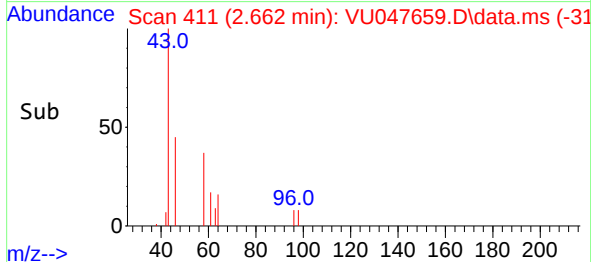
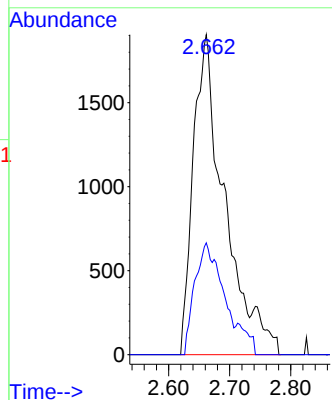
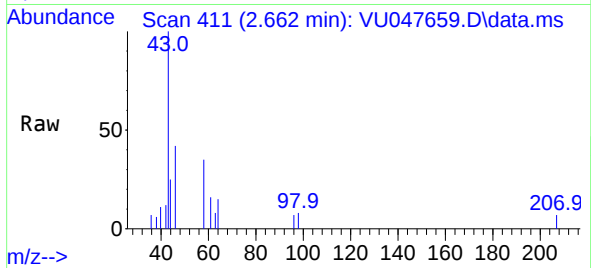
#13
Acetone
Concen: 3.376 ug/L m
RT: 2.662 min Scan# 411
Delta R.T. 0.007 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40

Instrument :
MSVOA_U
ClientSampleId :
EW5Y5

Tgt Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
58 18.5 0.0 70.0

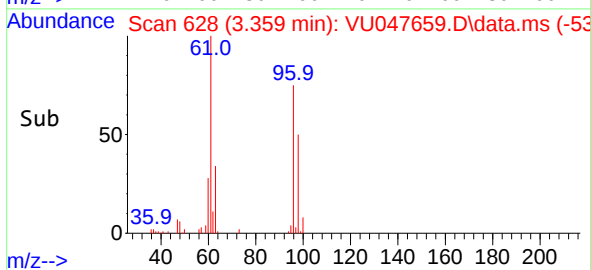
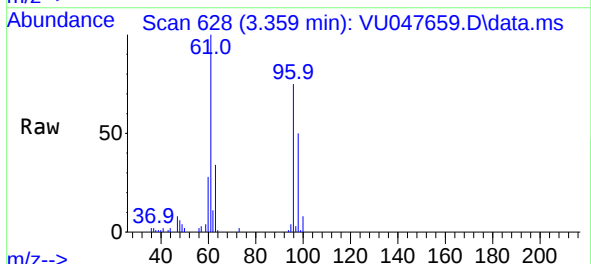
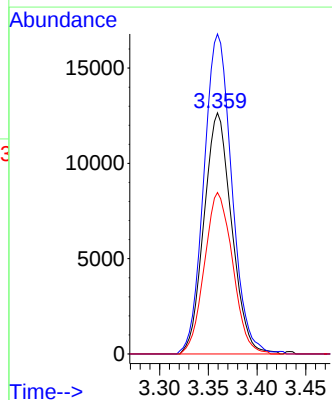
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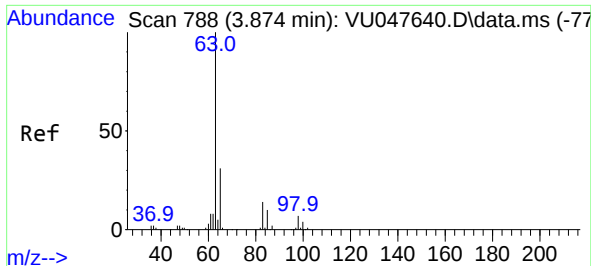
Reviewed By :John Carlone 03/25/2022
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#17
trans-1,2-Dichloroethene
Concen: 9.728 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40

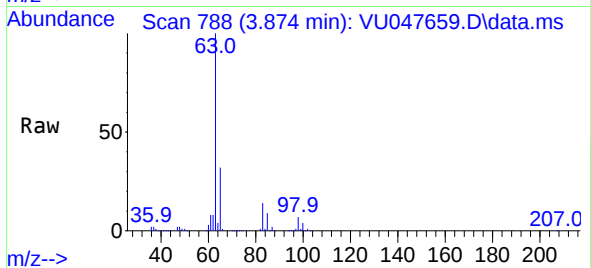
Tgt Ion: 96 Resp: 25031
Ion Ratio Lower Upper
96 100
61 132.7 88.4 164.2
98 67.0 43.3 80.5





#19
1,1-Dichloroethane
Concen: 476.737 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.000 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40

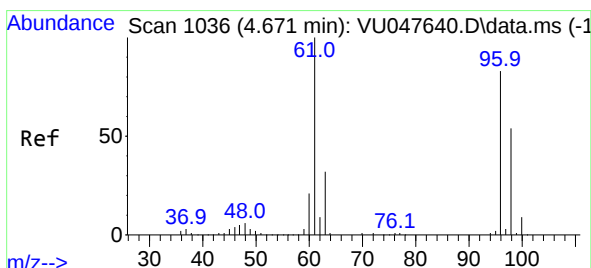
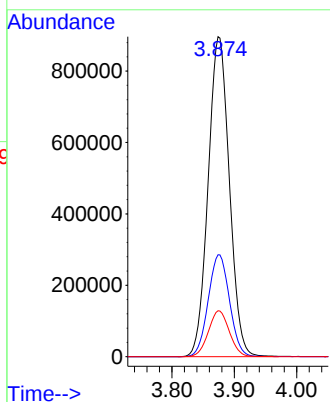
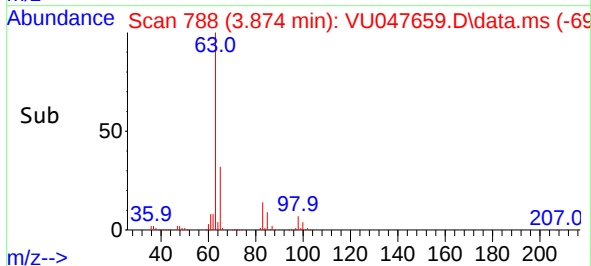
Instrument :
MSVOA_U
ClientSampleId :
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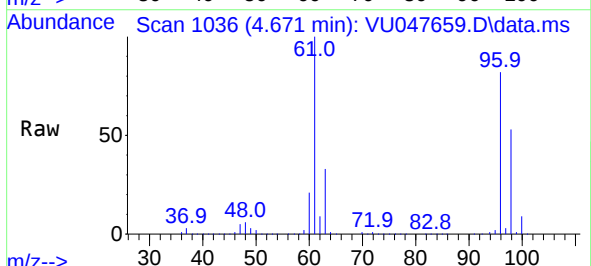
Tgt Ion: 63 Resp: 211520
Ion Ratio Lower Upper
63 100
65 31.8 22.0 41.0
83 14.4 9.7 18.1

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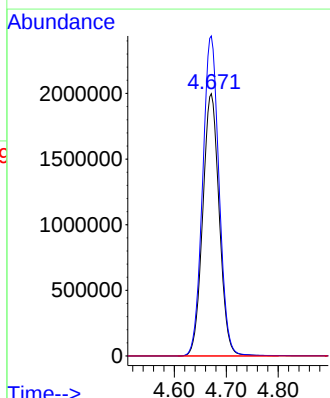
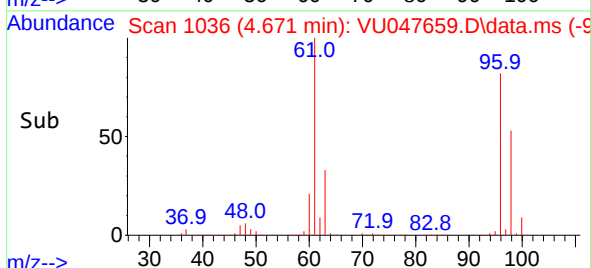
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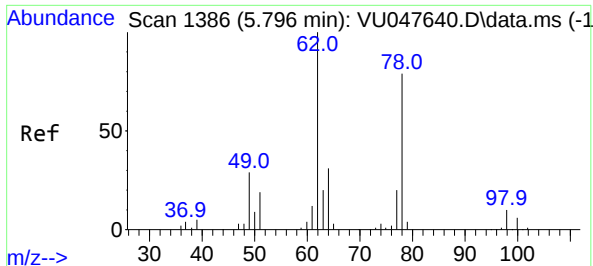


#20
cis-1,2-Dichloroethene
Concen: 1561.243 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40



Tgt Ion: 96 Resp: 4403928
Ion Ratio Lower Upper
96 100
61 122.0 80.7 149.9
68 0.0 0.0 0.0





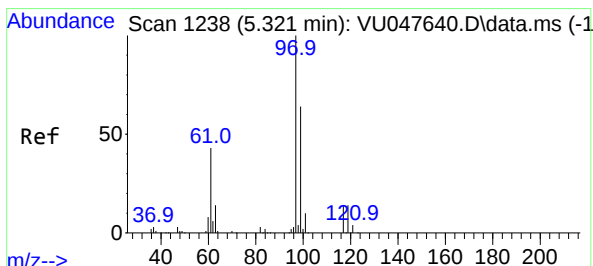
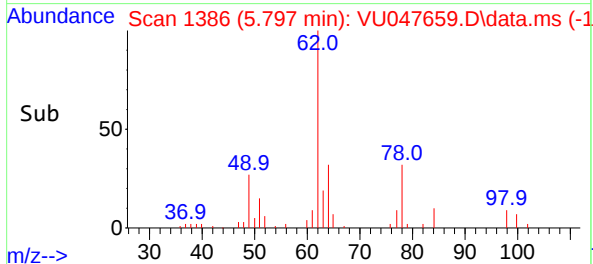
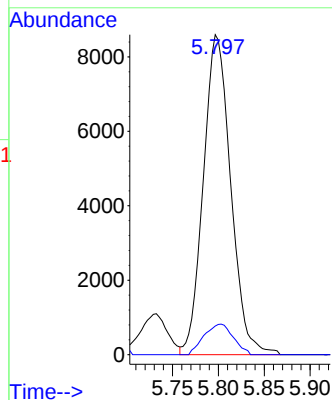
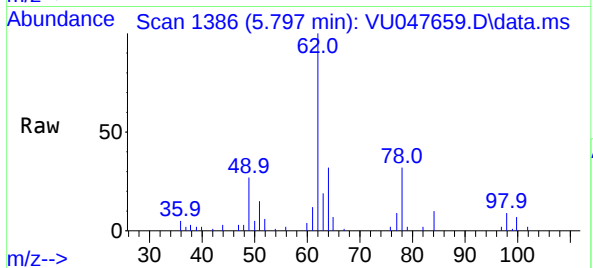
#27
1,2-Dichloroethane
Concen: 4.842 ug/L
RT: 5.797 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VU047659.D
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Tgt Ion: 62 Resp: 1787
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.0

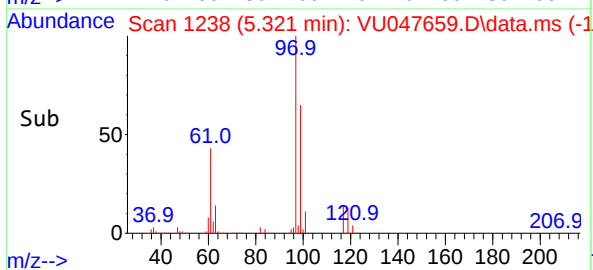
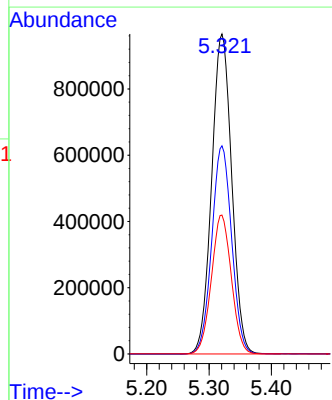
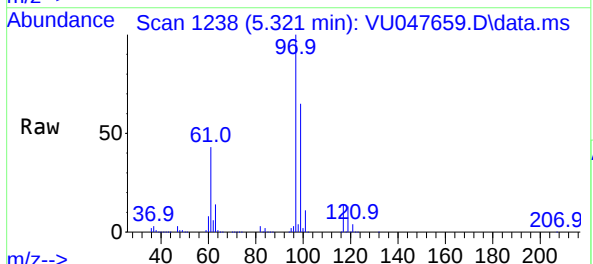
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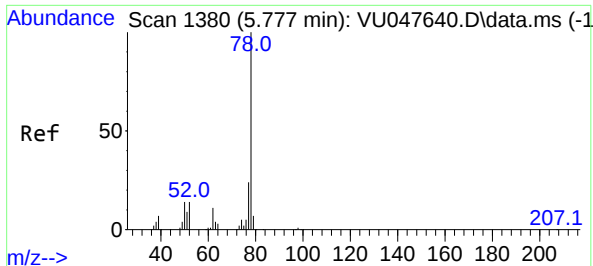
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/29/2022



#30
1,1,1-Trichloroethane
Concen: 538.361 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40

Tgt Ion: 97 Resp: 2154183
Ion Ratio Lower Upper
97 100
99 64.7 51.6 77.4
61 43.2 34.2 51.4





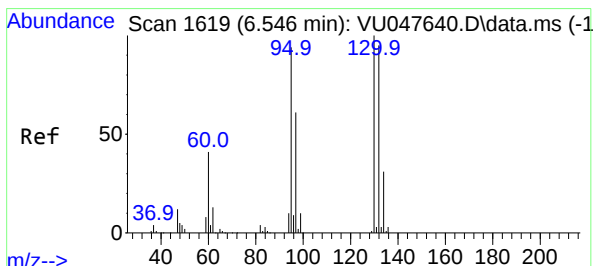
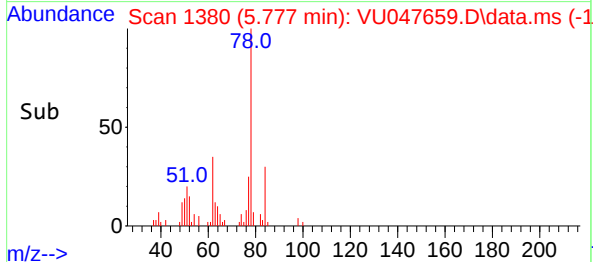
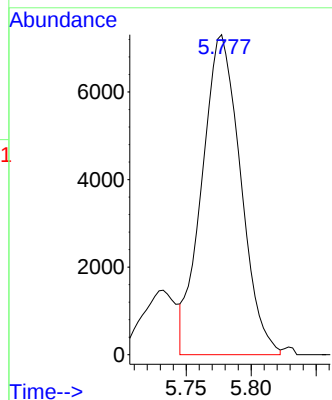
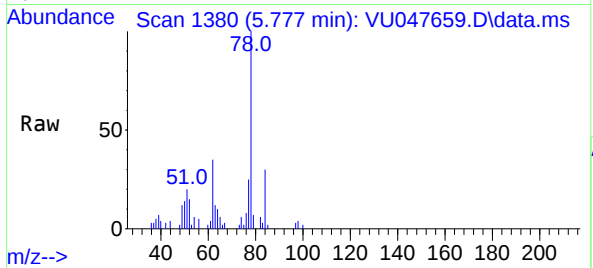
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Benzene
Concen: 1.480 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU047659.D
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Tgt Ion: 78 Resp: 15110

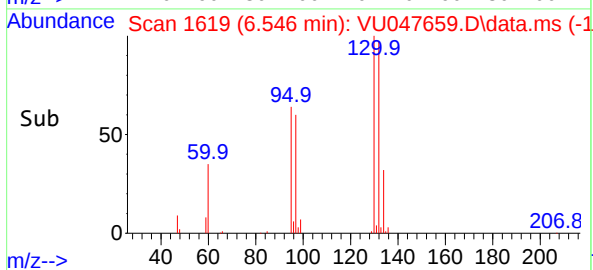
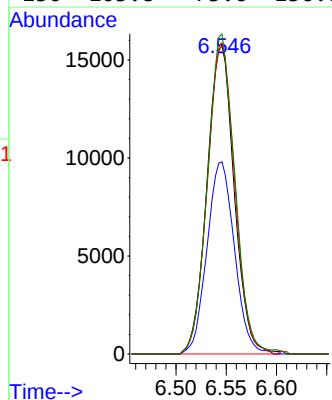
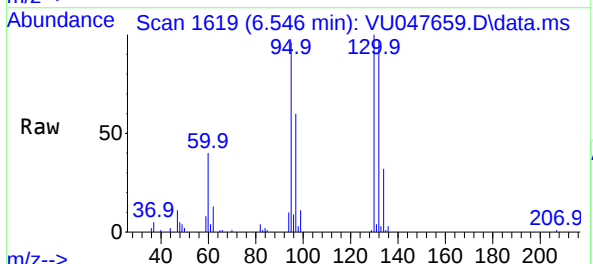
Manual Integrations
APPROVED

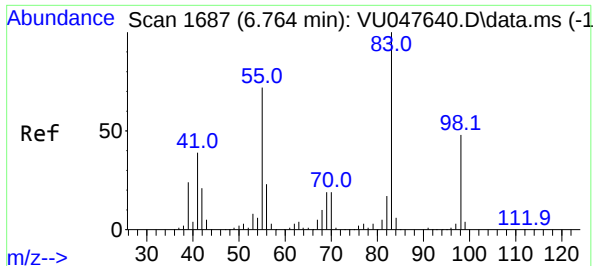
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/29/2022



#34
Trichloroethene
Concen: 11.101 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40

Tgt Ion: 95 Resp: 29728
Ion Ratio Lower Upper
95 100
97 62.3 44.7 82.9
132 100.9 70.4 130.8
130 103.8 73.6 136.8





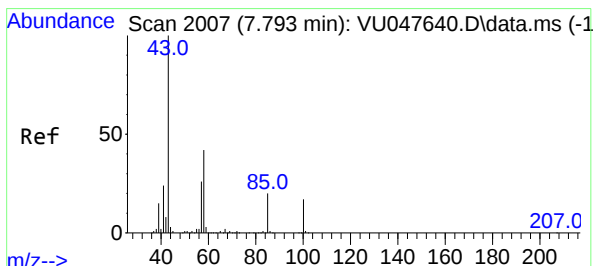
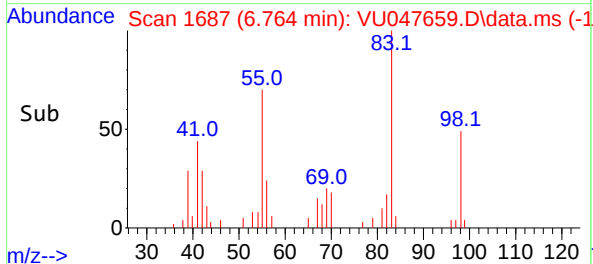
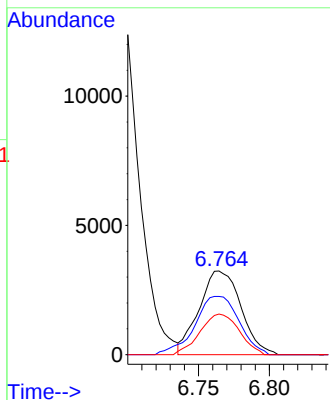
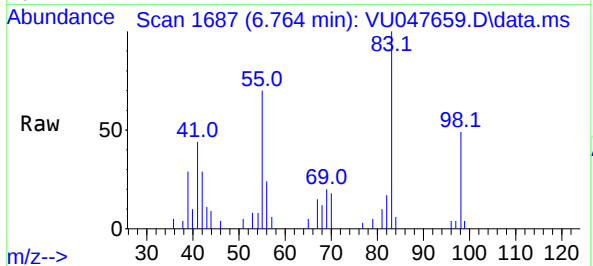
#35
Methylcyclohexane
Concen: 1.631 ug/L
RT: 6.764 min Scan# 10
Delta R.T. 0.000 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40

Instrument :
MSVOA_U
ClientSampleId :
EW5Y5

Tgt Ion: 83 Resp: 664
Ion Ratio Lower Upper
83 100
55 73.6 56.8 85.2
98 45.5 38.1 57.1

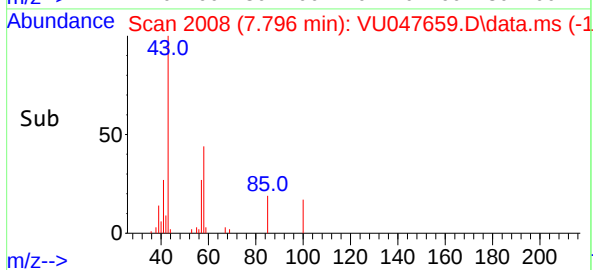
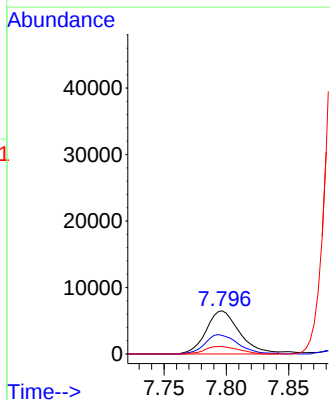
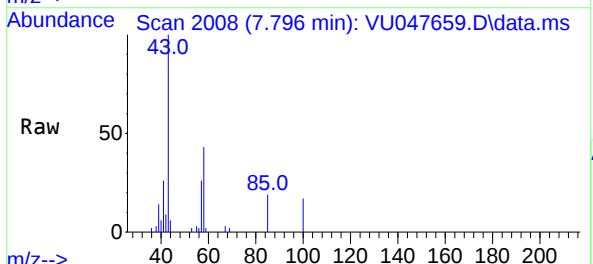
Manual Integrations
APPROVED

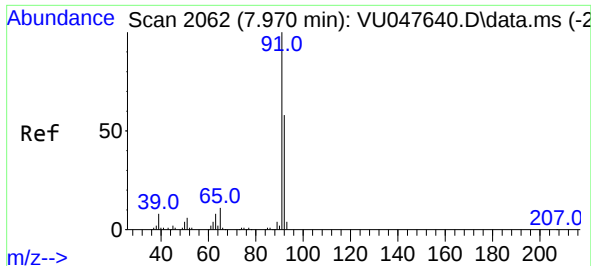
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/29/2022



#40
4-Methyl-2-pentanone
Concen: 2.955 ug/L
RT: 7.796 min Scan# 2008
Delta R.T. 0.003 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40

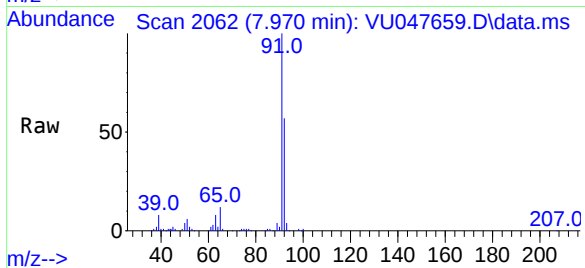
Tgt Ion: 43 Resp: 12129
Ion Ratio Lower Upper
43 100
58 44.0 34.7 52.1
100 17.4 14.2 21.2





#42
Toluene
Concen: 11.520 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40

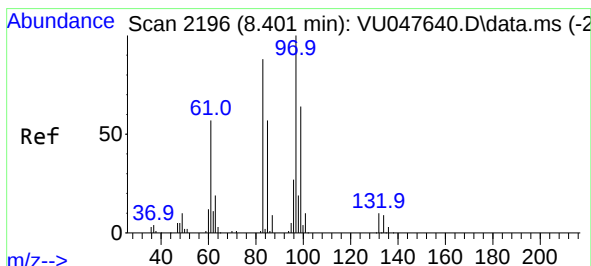
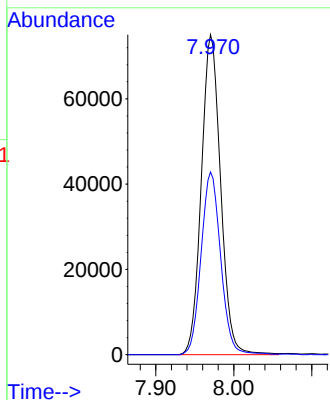
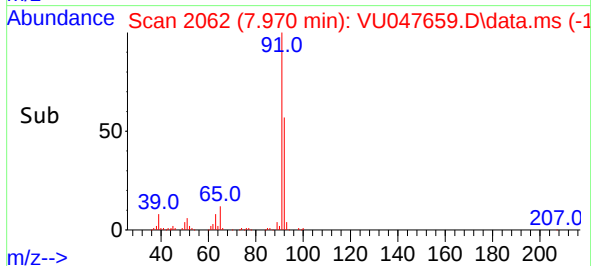
Instrument :
MSVOA_U
ClientSampleId :
EW5Y5



Tgt Ion: 91 Resp: 129108
Ion Ratio Lower Upper
91 100
92 57.1 40.4 75.0

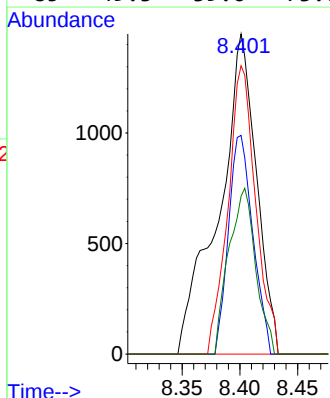
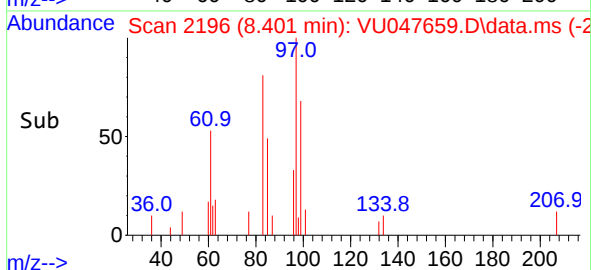
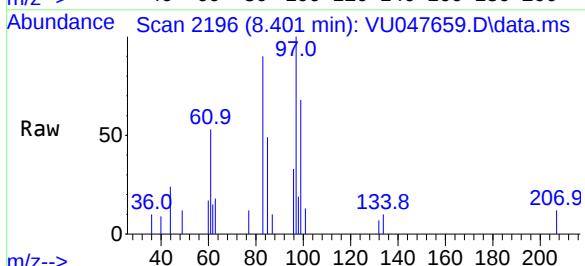
Manual Integrations
APPROVED

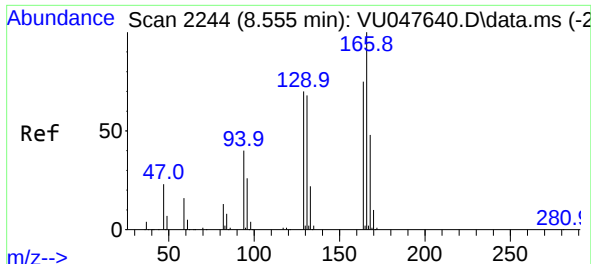
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/29/2022



#45
1,1,2-Trichloroethane
Concen: 1.191 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40

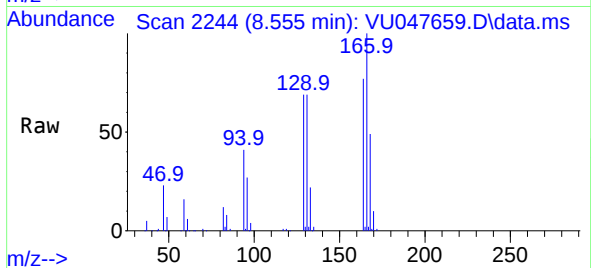
Tgt Ion: 97 Resp: 3279
Ion Ratio Lower Upper
97 100
99 68.3 43.3 80.3
83 90.1 61.0 113.4
85 49.3 39.6 73.6





#46
Tetrachloroethene
Concen: 24.998 ug/L
RT: 8.555 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40

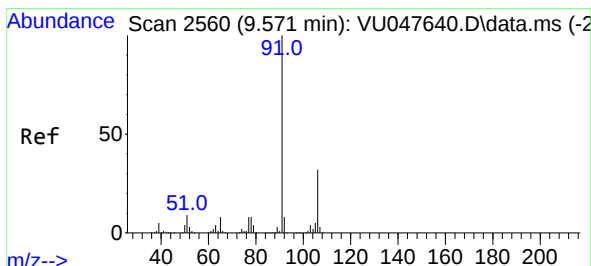
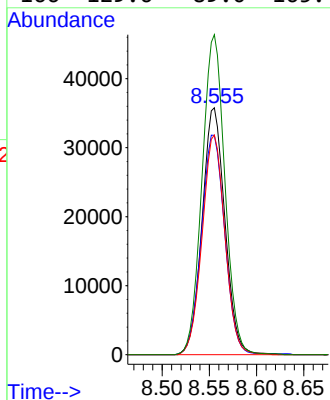
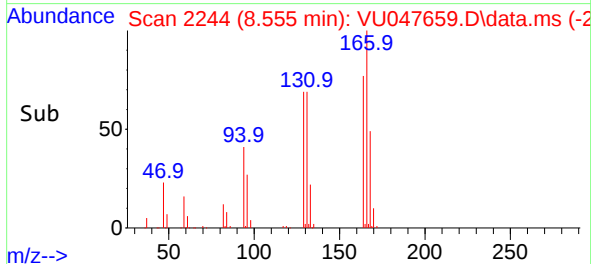
Instrument :
MSVOA_U
ClientSampleId :
EW5Y5



Tgt Ion:164 Resp: 6015
Ion Ratio Lower Upper
164 100
129 88.8 62.4 116.0
131 89.0 60.7 112.7
166 129.6 89.0 165.4

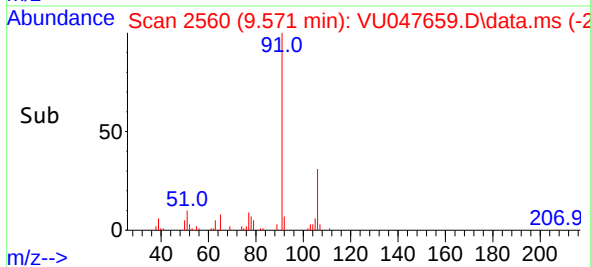
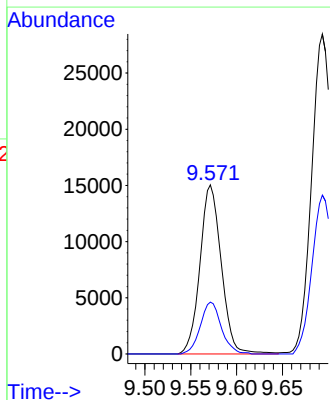
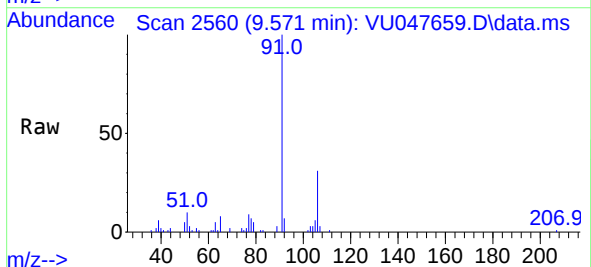
Manual Integrations
APPROVED

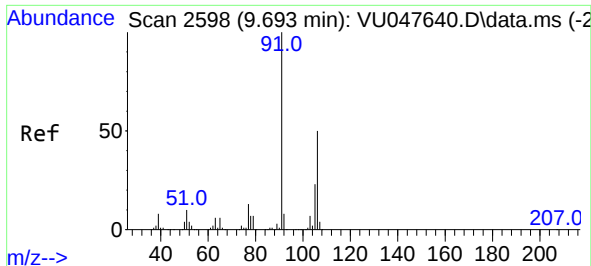
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/29/2022



#52
Ethylbenzene
Concen: 2.067 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40

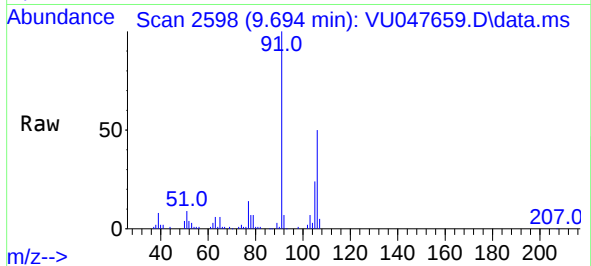
Tgt Ion: 91 Resp: 24361
Ion Ratio Lower Upper
91 100
106 30.6 22.4 41.6





#53
m,p-Xylene
Concen: 5.133 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40

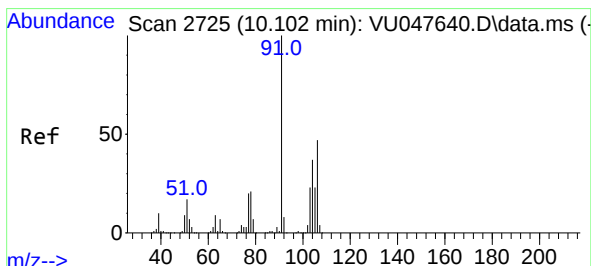
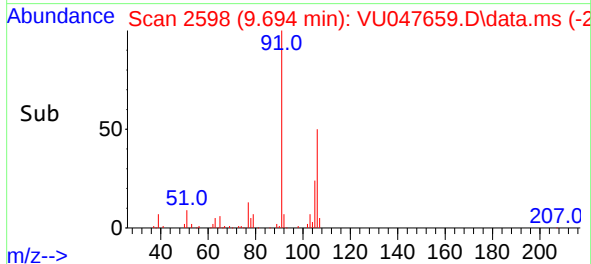
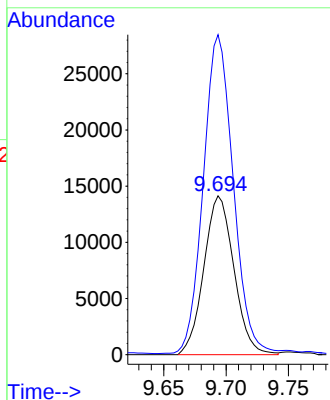
Instrument :
MSVOA_U
ClientSampleId :
EW5Y5



Tgt Ion:106 Resp: 23735
Ion Ratio Lower Upper
106 100
91 201.4 137.7 255.7

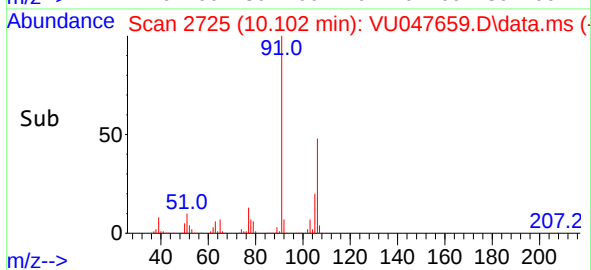
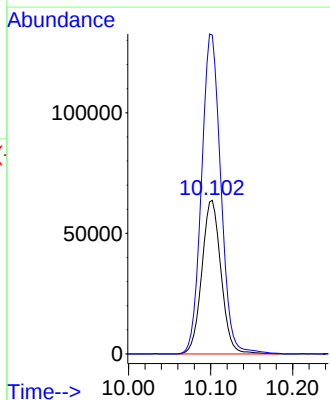
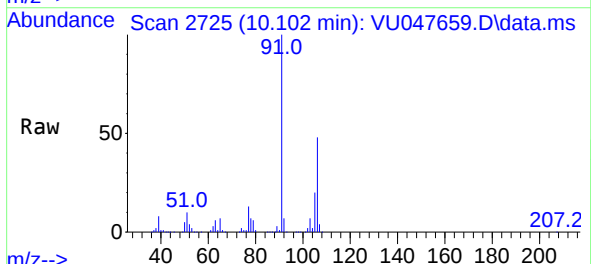
Manual Integrations
APPROVED

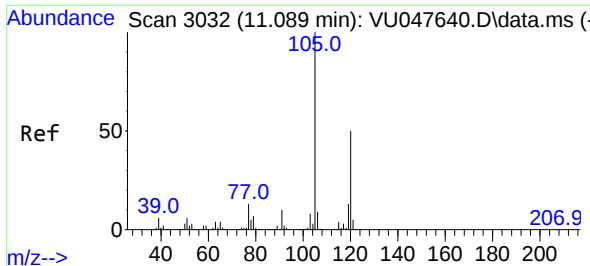
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/29/2022



#54
o-Xylene
Concen: 22.819 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40

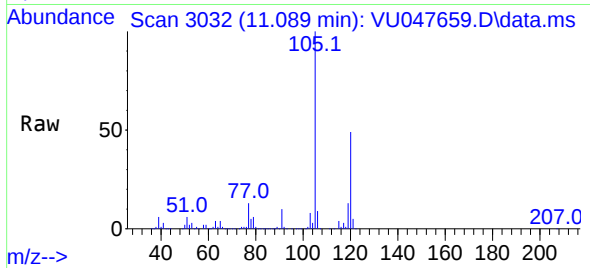
Tgt Ion:106 Resp: 103558
Ion Ratio Lower Upper
106 100
91 207.6 146.7 272.5





#62
1,3,5-Trimethylbenzene
Concen: 35.605 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40

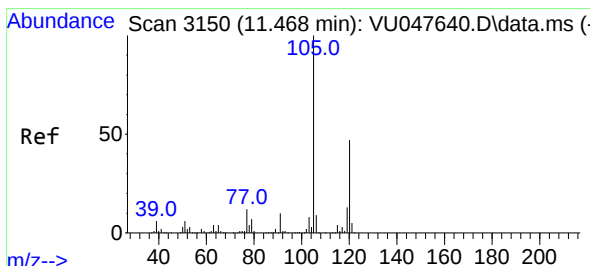
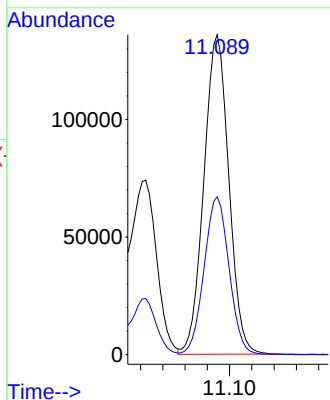
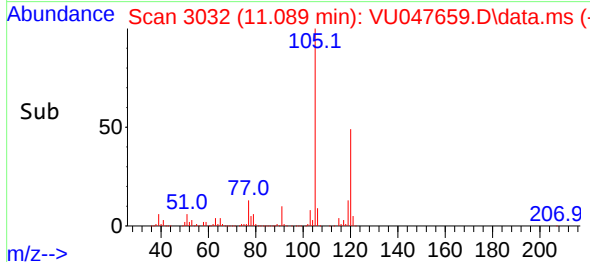
Instrument :
MSVOA_U
ClientSampleId :
EW5Y5



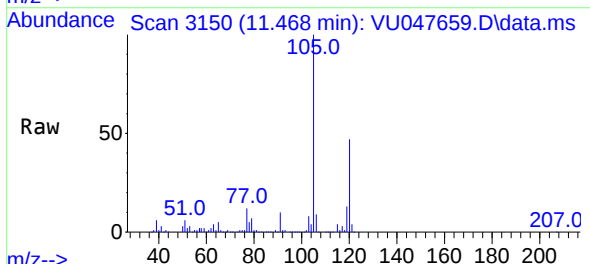
Tgt Ion:105 Resp: 21117
Ion Ratio Lower Upper
105 100
120 49.6 40.8 61.2

Manual Integrations
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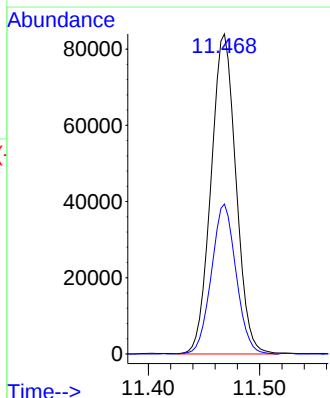
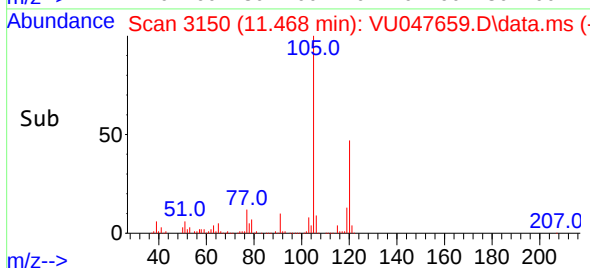
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/29/2022

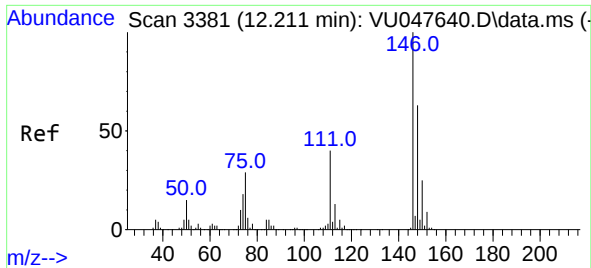


#63
1,2,4-Trimethylbenzene
Concen: 14.504 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40



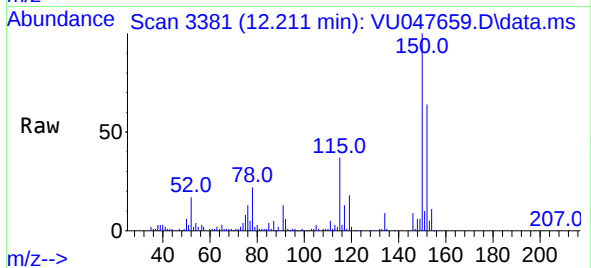
Tgt Ion:105 Resp: 130665
Ion Ratio Lower Upper
105 100
120 46.3 37.6 56.4





#67
1,2-Dichlorobenzene
Concen: 0.954 ug/L
RT: 12.211 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU047659.D
Acq: 25 Mar 2022 01:40

Instrument :
MSVOA_U
ClientSampleId :
EW5Y5



Tgt Ion:146 Resp: 5800
Ion Ratio Lower Upper
146 100
111 51.3 31.7 47.5
148 65.5 51.4 77.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/29/2022

