

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
 Data File : VU047656.D
 Acq On : 25 Mar 2022 00:32
 Operator : SY/MD
 Sample : N2081-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y2

Manual Integrations
 APPROVED

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

Quant Time: Mar 25 05:30:27 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

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	310569	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	317829	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	167794	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	97985	43.508	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.020%		
7) Chloroethane-d5	1.919	69	77341	43.552	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.100%		
11) 1,1-Dichloroethene-d2	2.572	63	157195	38.150	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.300%		
21) 2-Butanone-d5	4.649	46	206171	106.655	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	106.660%		
24) Chloroform-d	5.067	84	191180	46.394	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.780%		
26) 1,2-Dichloroethane-d4	5.703	65	121530	48.085	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.180%		
32) Benzene-d6	5.729	84	389239	48.670	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.340%		
36) 1,2-Dichloropropane-d6	6.694	67	122517	49.883	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.760%		
41) Toluene-d8	7.899	98	364640	46.797	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.600%		
43) trans-1,3-Dichloroprop...	8.179	79	58598	47.093	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.180%		
47) 2-Hexanone-d5	8.636	63	147430	102.539	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	102.540%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	194201	46.073	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.140%		
66) 1,2-Dichlorobenzene-d4	12.192	152	160854	53.884	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.760%		
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	83337	29.675	ug/L	99
8) Chloroethane	1.938	64	609157	345.535	ug/L	99
9) Trichlorofluoromethane	2.144	101	4515	1.140	ug/L	91
12) 1,1-Dichloroethene	2.584	96	32180m	15.105	ug/L	
17) trans-1,2-Dichloroethene	3.359	96	12597	5.482	ug/L	98
19) 1,1-Dichloroethane	3.874	63	1376863	347.435	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	1117663	443.673	ug/L	95
27) 1,2-Dichloroethane	5.797	62	4854	1.473	ug/L #	93
30) 1,1,1-Trichloroethane	5.321	97	3014122	836.361	ug/L	100
33) Benzene	5.777	78	9493	1.032	ug/L	100
34) Trichloroethene	6.546	95	21638	8.971	ug/L	96
35) Methylcyclohexane	6.764	83	3388	0.923	ug/L #	91
42) Toluene	7.970	91	186699	18.496	ug/L	98
46) Tetrachloroethene	8.552	164	41777	19.275	ug/L	98
52) Ethylbenzene	9.571	91	55602	5.239	ug/L	100
53) m,p-Xylene	9.690	106	50464	12.117	ug/L	99
54) o-Xylene	10.102	106	30030	7.347	ug/L	99
61) Isopropylbenzene	10.484	105	10313	1.137	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	30505	6.200	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.468	105	152845	20.451	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	8884	1.762	ug/L #	91

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

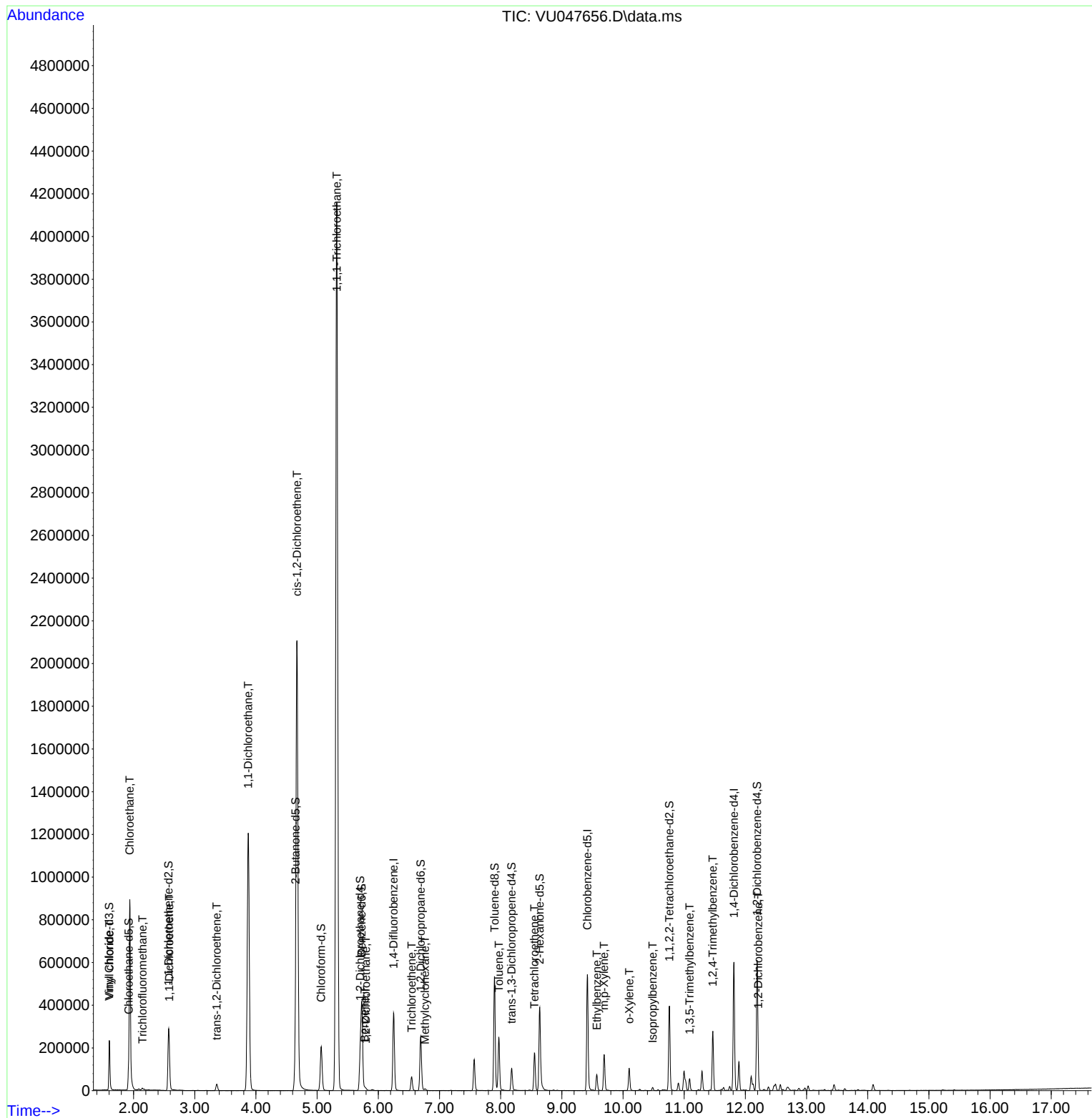
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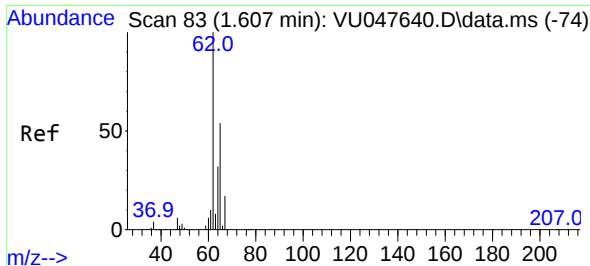
Instrument :
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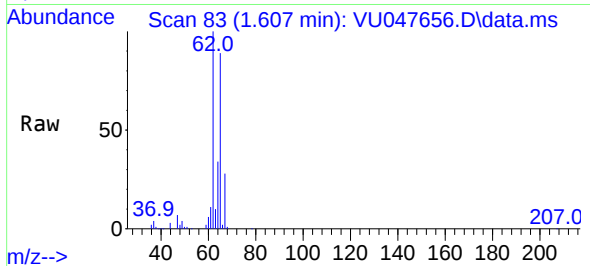
Reviewed By :John Carlone 03/25/2022
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#5
 Vinyl chloride
 Concen: 29.675 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU047656.D
 Acq: 25 Mar 2022 00:32

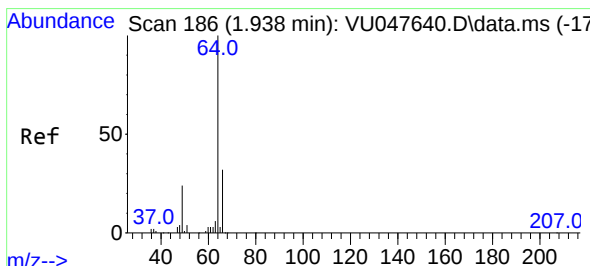
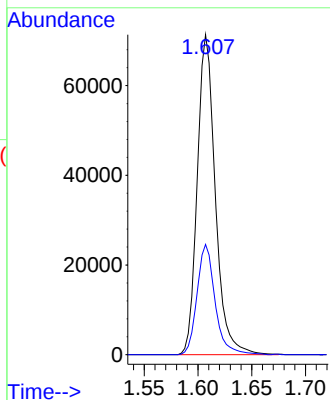
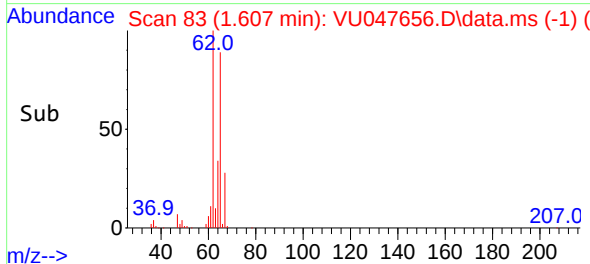
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y2



Tgt Ion: 62 Resp: 8333
 Ion Ratio Lower Upper
 62 100
 64 34.5 23.7 43.9

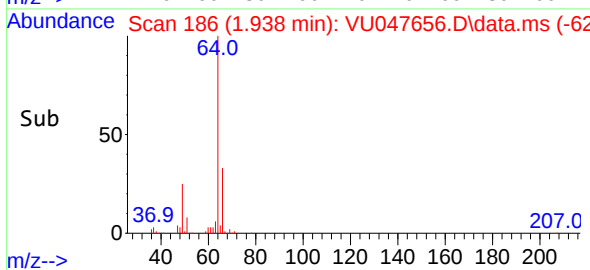
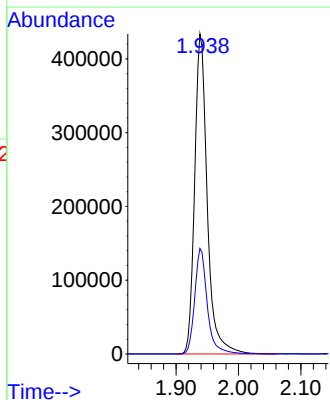
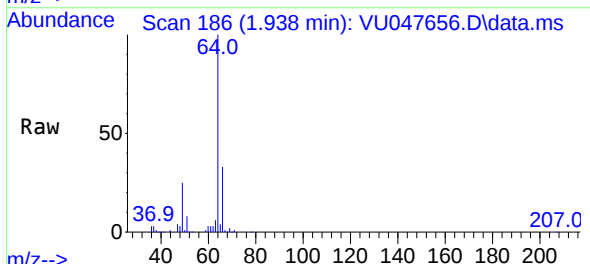
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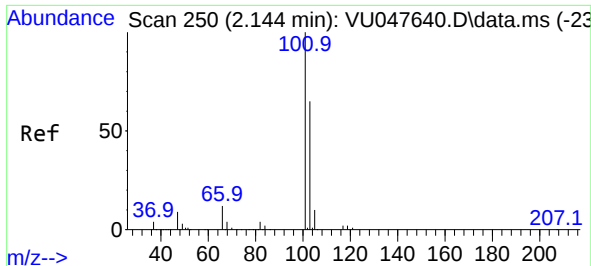
Reviewed By :John Carlone 03/25/2022
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#8
 Chloroethane
 Concen: 345.535 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU047656.D
 Acq: 25 Mar 2022 00:32

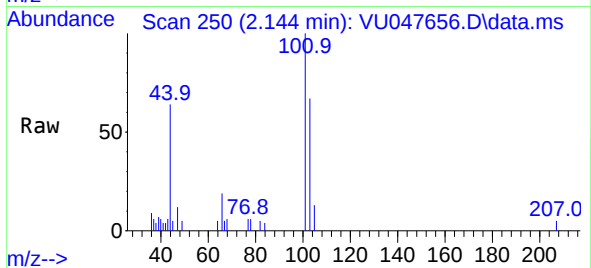
Tgt Ion: 64 Resp: 609157
 Ion Ratio Lower Upper
 64 100
 66 33.0 23.3 43.3





#9
Trichlorofluoromethane
Concen: 1.140 ug/L
RT: 2.144 min Scan# 210
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

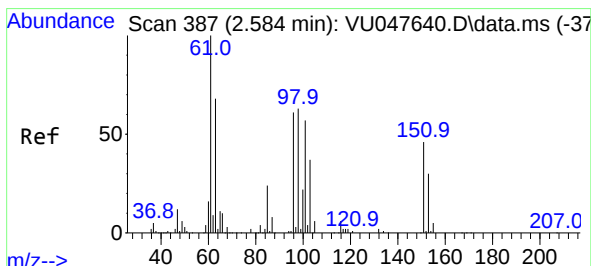
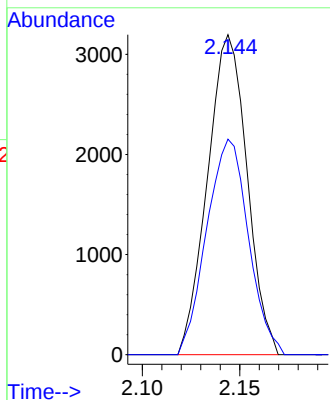
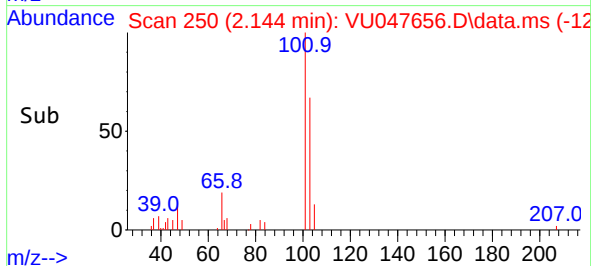
Instrument :
MSVOA_U
ClientSampleId :
EW5Y2



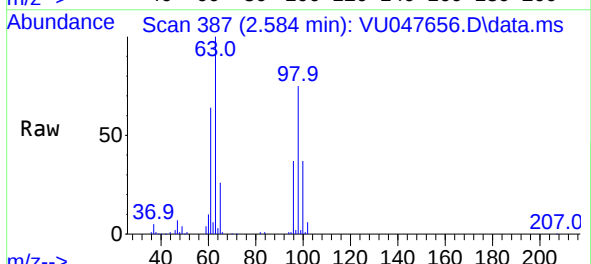
Tgt Ion:101 Resp: 451
Ion Ratio Lower Upper
101 100
103 71.0 51.4 77.2

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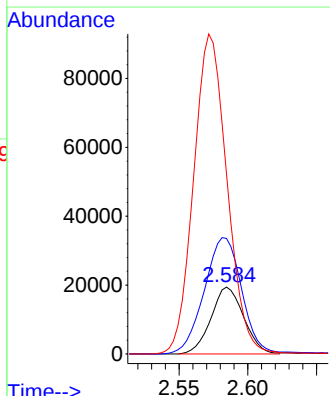
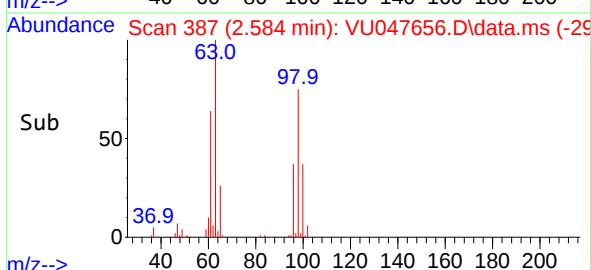
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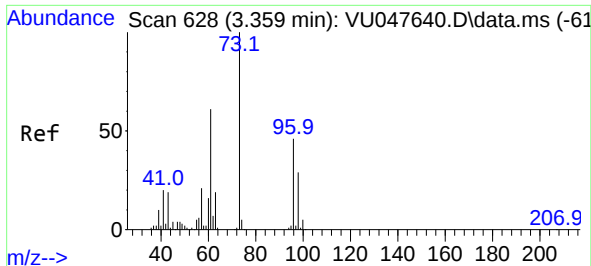


#12
1,1-Dichloroethene
Concen: 15.105 ug/L m
RT: 2.584 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32



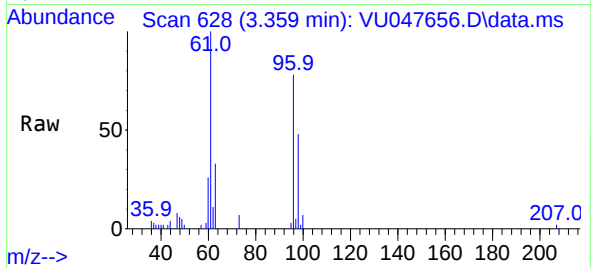
Tgt Ion: 96 Resp: 32180
Ion Ratio Lower Upper
96 100
61 172.6 113.1 210.1
63 268.9 94.8 176.0#





#17
trans-1,2-Dichloroethene
Concen: 5.482 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

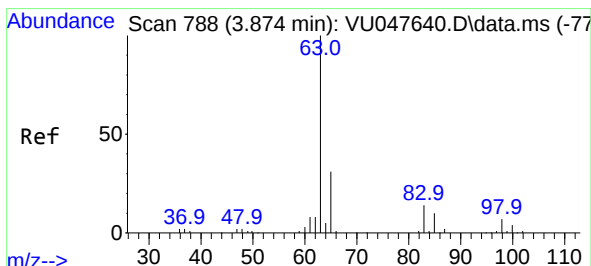
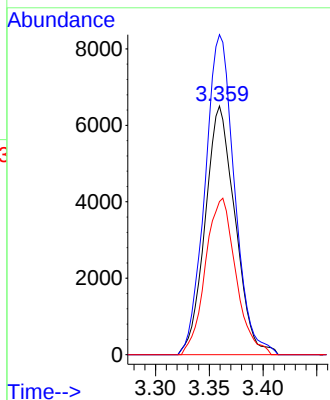
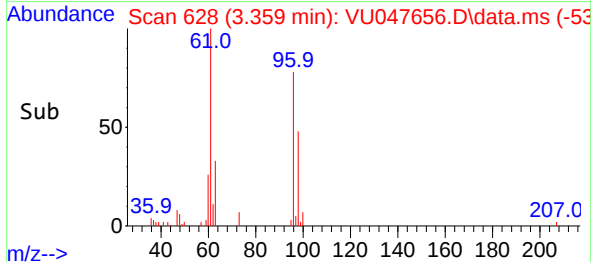
Instrument :
MSVOA_U
ClientSampleId :
EW5Y2



Tgt Ion: 96 Resp: 1259
Ion Ratio Lower Upper
96 100
61 128.7 88.4 164.2
98 61.6 43.3 80.5

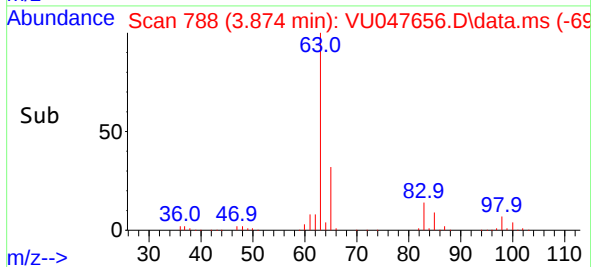
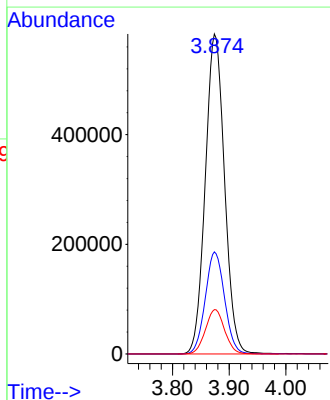
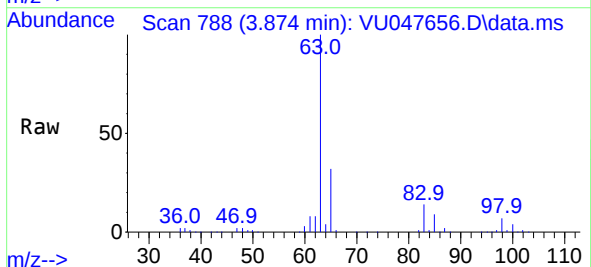
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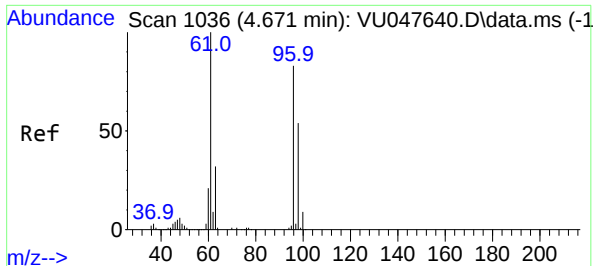
Reviewed By :John Carlone 03/25/2022
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#19
1,1-Dichloroethane
Concen: 347.435 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

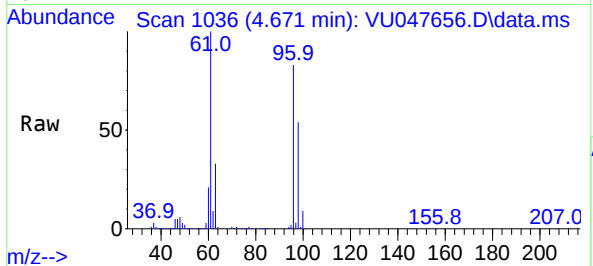
Tgt Ion: 63 Resp: 1376863
Ion Ratio Lower Upper
63 100
65 31.9 22.0 41.0
83 13.9 9.7 18.1





#20
cis-1,2-Dichloroethene
Concen: 443.673 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

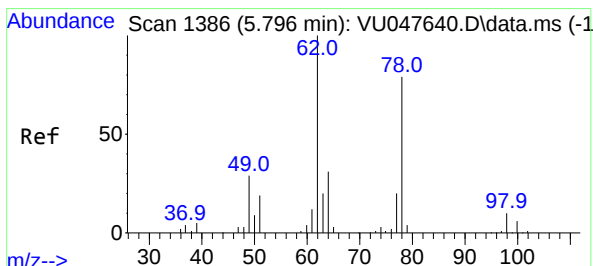
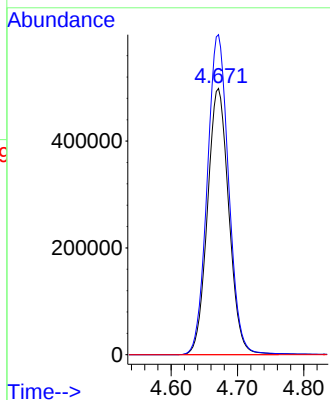
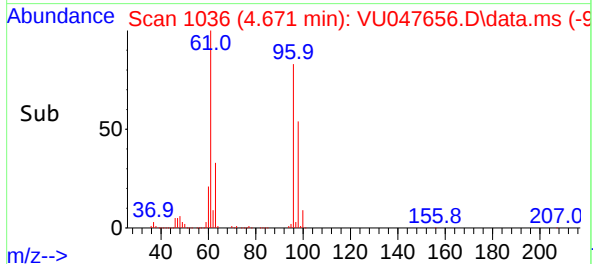
Instrument :
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ClientSampleId :
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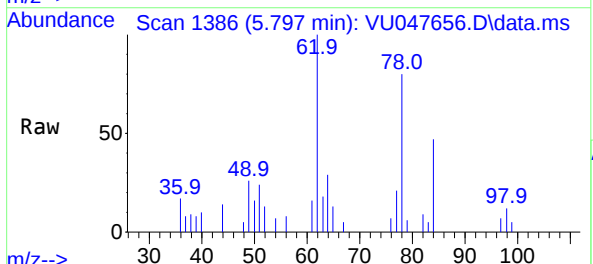
Tgt Ion: 96 Resp: 111766
Ion Ratio Lower Upper
96 100
61 120.2 80.7 149.9
68 0.0 0.0 0.0

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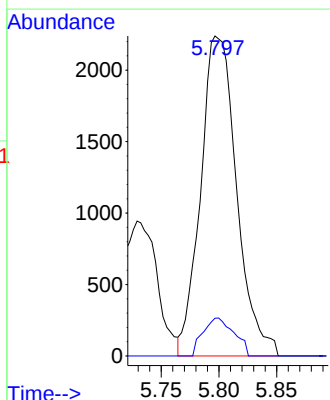
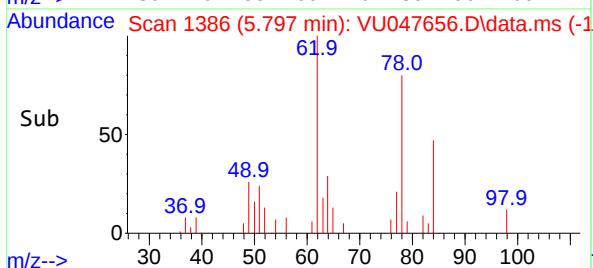
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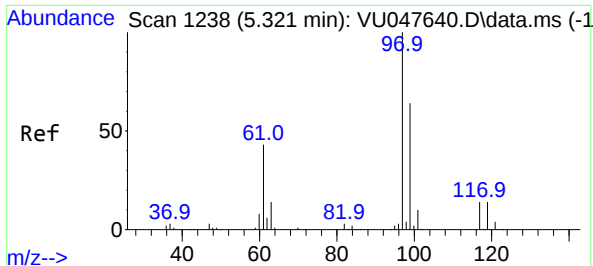


#27
1,2-Dichloroethane
Concen: 1.473 ug/L
RT: 5.797 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32



Tgt Ion: 62 Resp: 4854
Ion Ratio Lower Upper
62 100
98 11.8 7.4 11.0#





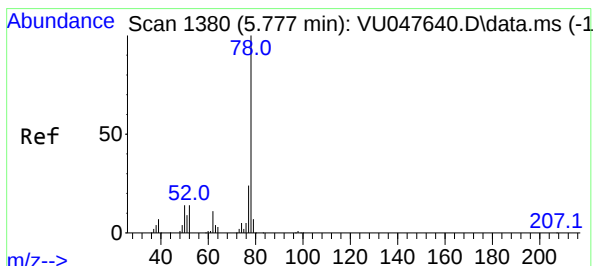
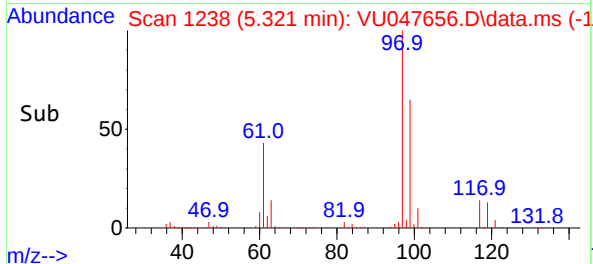
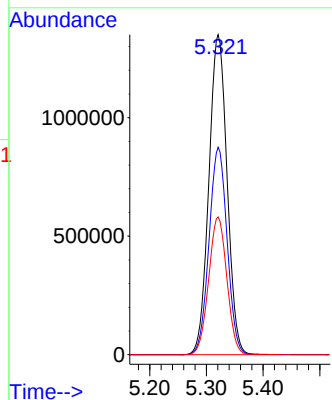
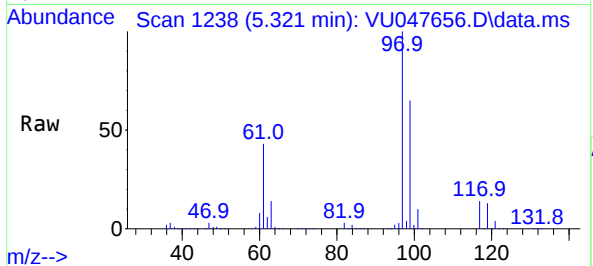
#30
1,1,1-Trichloroethane
Concen: 836.361 ug/L
RT: 5.321 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

Instrument :
MSVOA_U
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Tgt Ion: 97 Resp: 301412
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 43.1 34.2 51.4

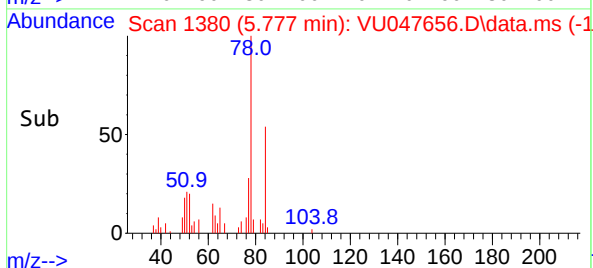
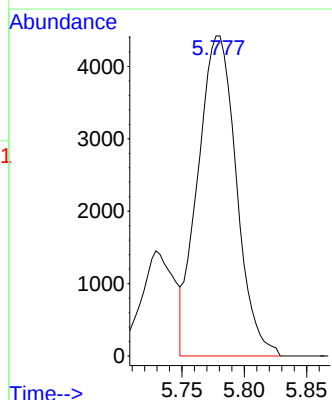
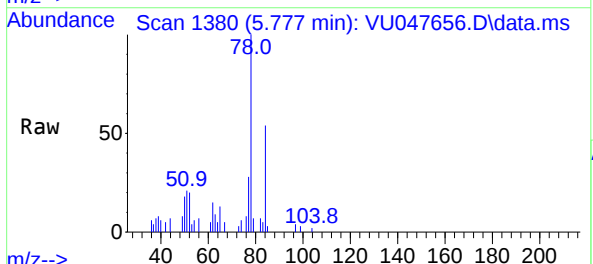
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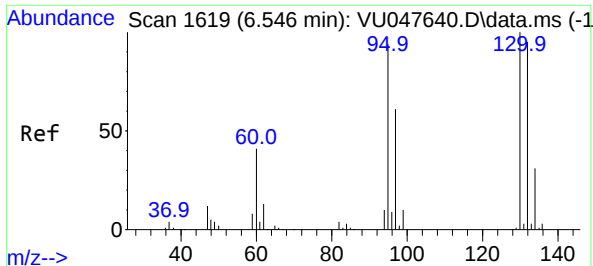
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/29/2022



#33
Benzene
Concen: 1.032 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

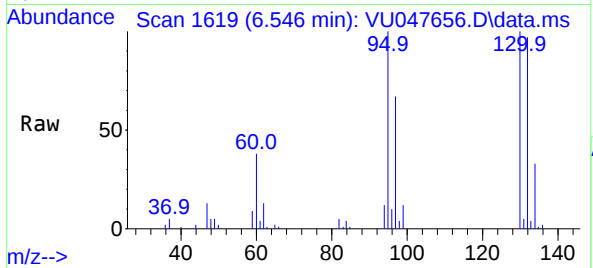
Tgt Ion: 78 Resp: 9493





#34
Trichloroethene
Concen: 8.971 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

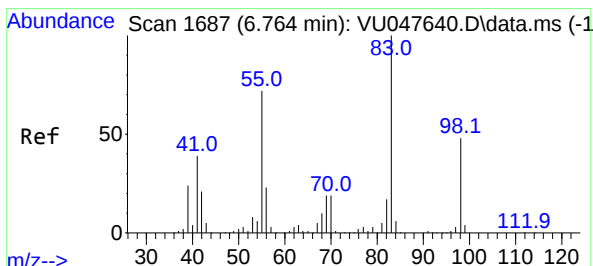
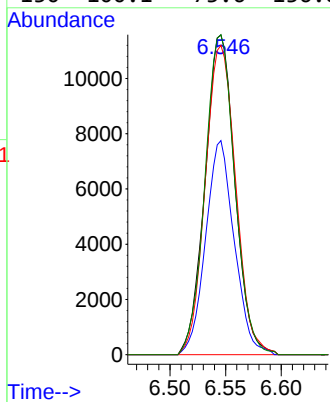
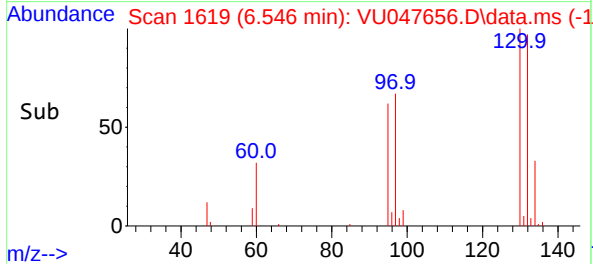
Instrument :
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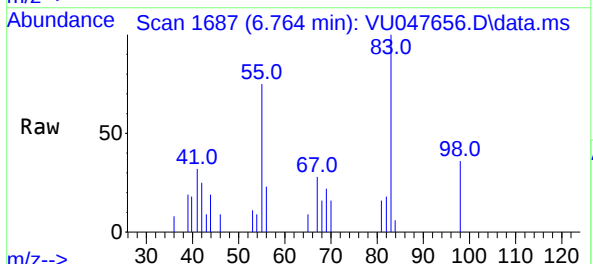
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Ion Ratio Lower Upper
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97 67.0 44.7 82.9
132 96.7 70.4 130.8
130 100.1 73.6 136.8

Manual Integrations
APPROVED

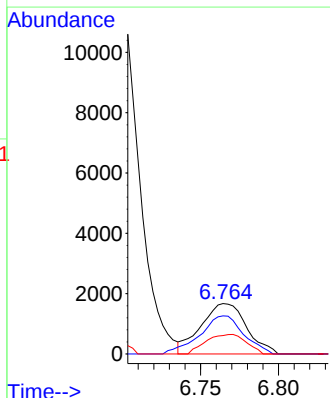
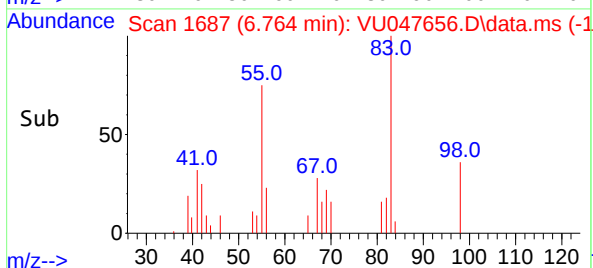
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/29/2022

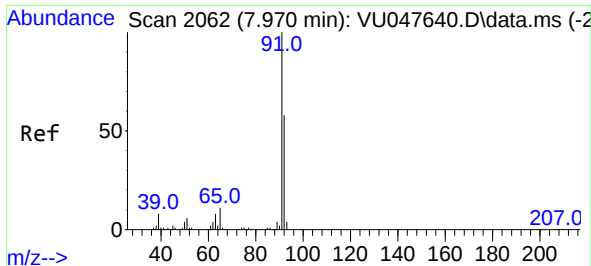


#35
Methylcyclohexane
Concen: 0.923 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32



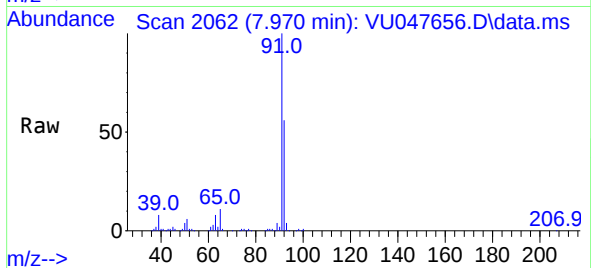
Tgt Ion: 83 Resp: 3388
Ion Ratio Lower Upper
83 100
55 72.7 56.8 85.2
98 34.4 38.1 57.1#





#42
Toluene
Concen: 18.496 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

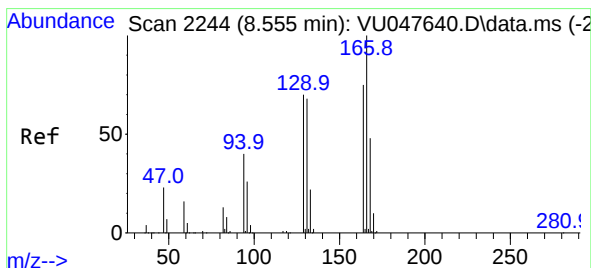
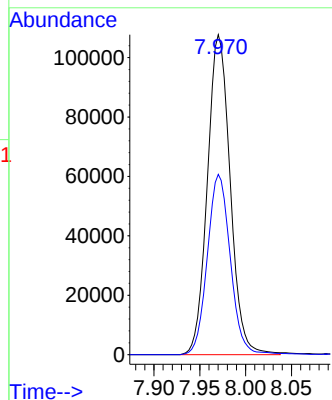
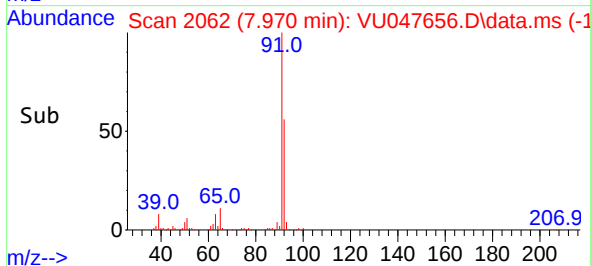
Instrument :
MSVOA_U
ClientSampleId :
EW5Y2



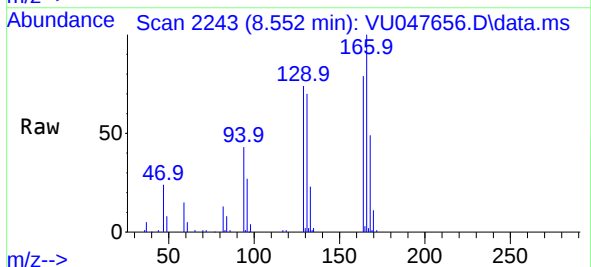
Tgt Ion: 91 Resp: 186699
Ion Ratio Lower Upper
91 100
92 56.3 40.4 75.0

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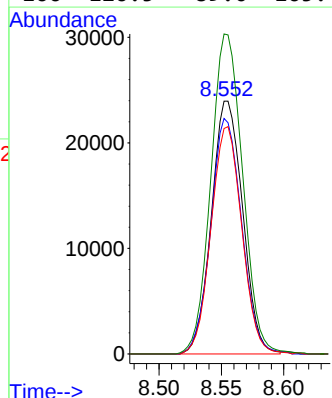
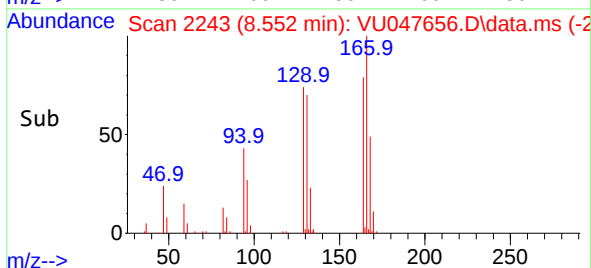
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/29/2022

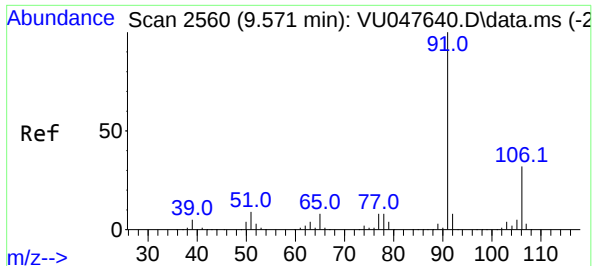


#46
Tetrachloroethene
Concen: 19.275 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32



Tgt Ion:164 Resp: 41777
Ion Ratio Lower Upper
164 100
129 93.1 62.4 116.0
131 89.1 60.7 112.7
166 126.5 89.0 165.4





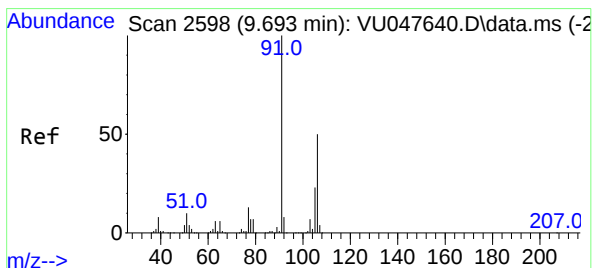
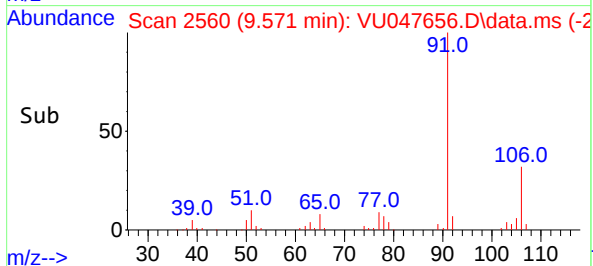
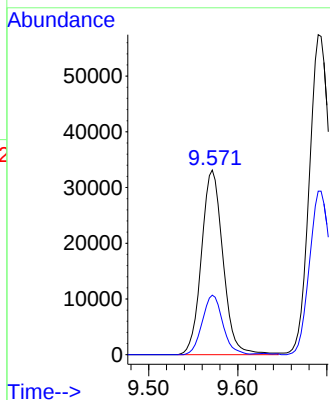
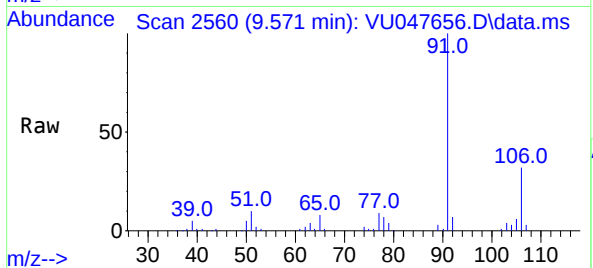
#52
Ethylbenzene
Concen: 5.239 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

Instrument :
MSVOA_U
ClientSampleId :
EW5Y2

Tgt Ion: 91 Resp: 5560
Ion Ratio Lower Upper
91 100
106 32.2 22.4 41.6

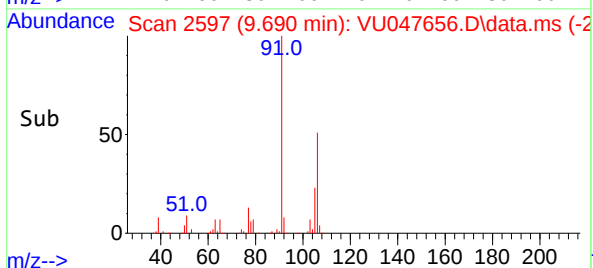
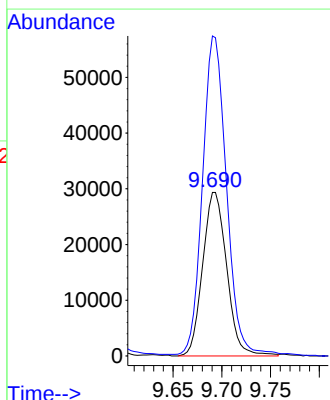
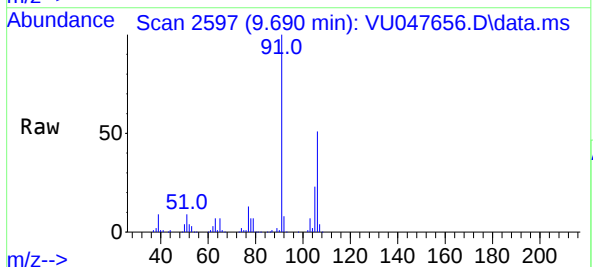
Manual Integrations
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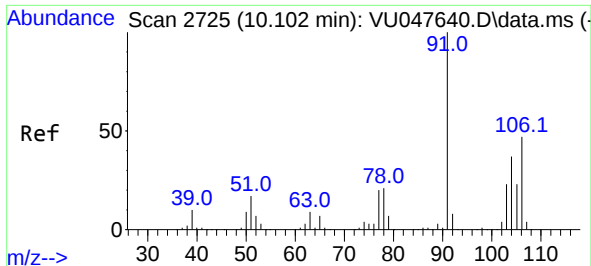
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/29/2022



#53
m,p-Xylene
Concen: 12.117 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

Tgt Ion:106 Resp: 50464
Ion Ratio Lower Upper
106 100
91 195.6 137.7 255.7





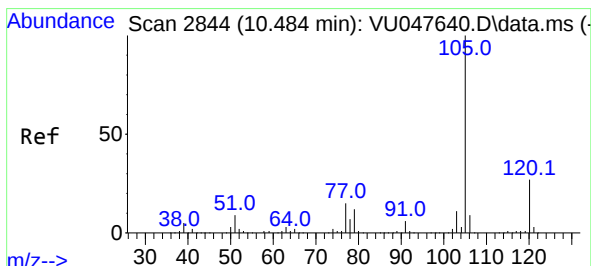
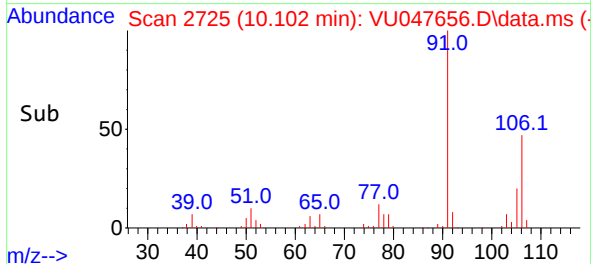
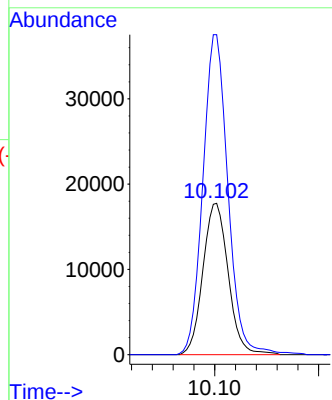
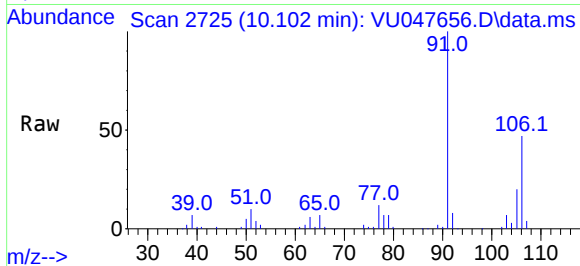
#54
o-Xylene
Concen: 7.347 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

Instrument :
MSVOA_U
ClientSampleId :
EW5Y2

Tgt Ion:106 Resp: 30030
Ion Ratio Lower Upper
106 100
91 211.4 146.7 272.5

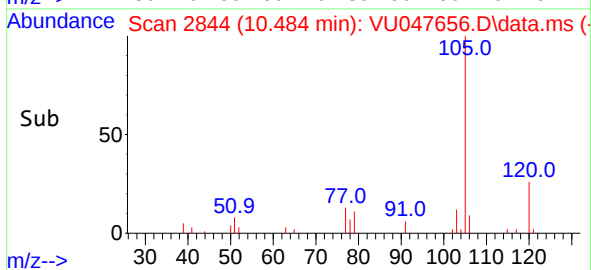
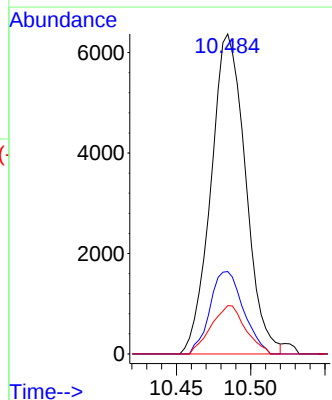
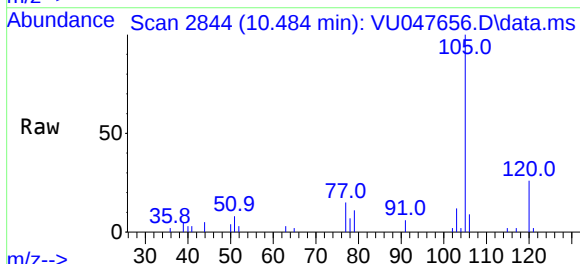
Manual Integrations
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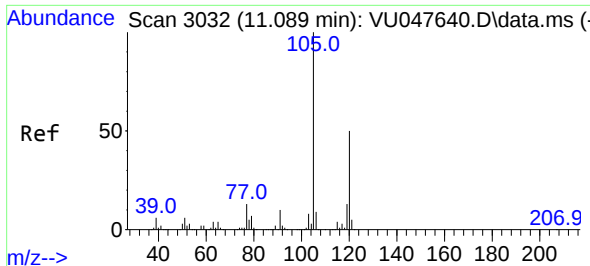
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/29/2022



#61
Isopropylbenzene
Concen: 1.137 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

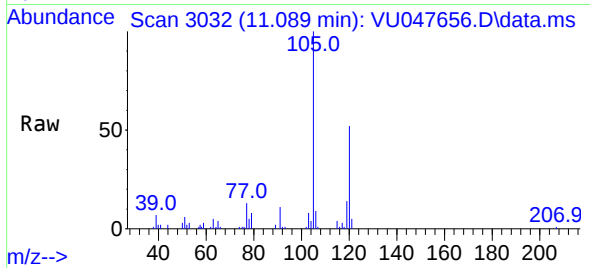
Tgt Ion:105 Resp: 10313
Ion Ratio Lower Upper
105 100
120 24.9 21.9 32.9
77 15.0 12.1 18.1





#62
1,3,5-Trimethylbenzene
Concen: 6.200 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

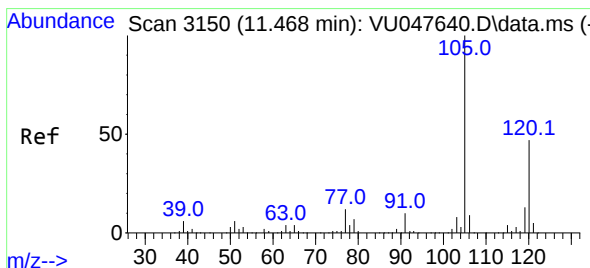
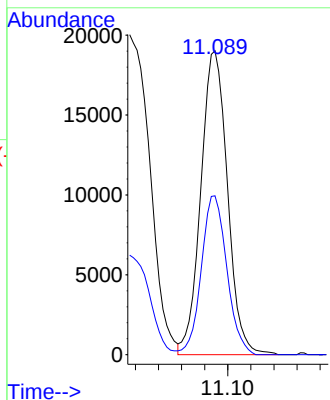
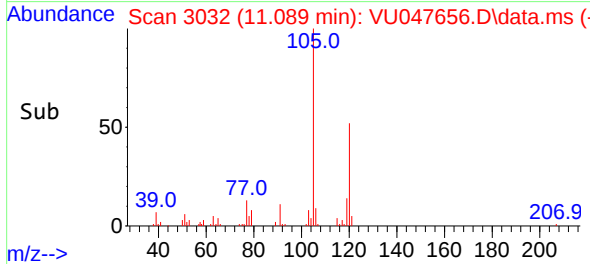
Instrument :
MSVOA_U
ClientSampleId :
EW5Y2



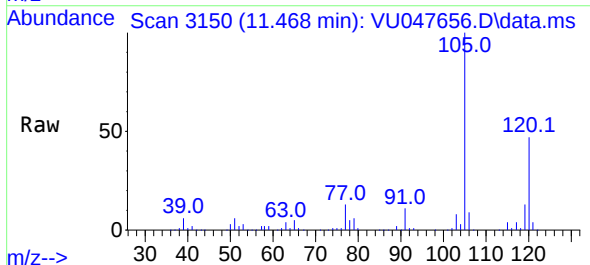
Tgt Ion:105 Resp: 3050
Ion Ratio Lower Upper
105 100
120 50.2 40.8 61.2

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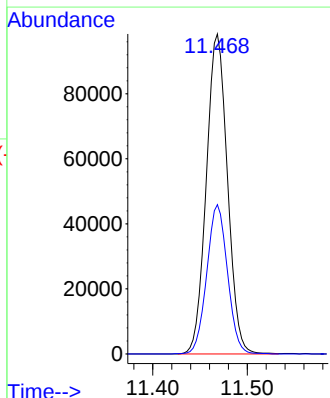
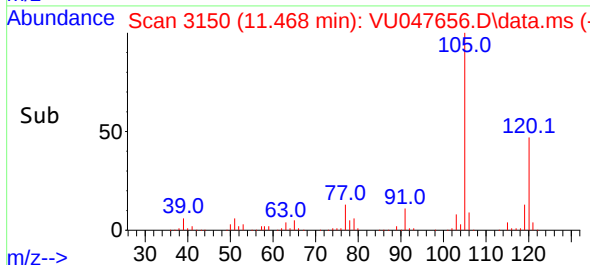
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/29/2022

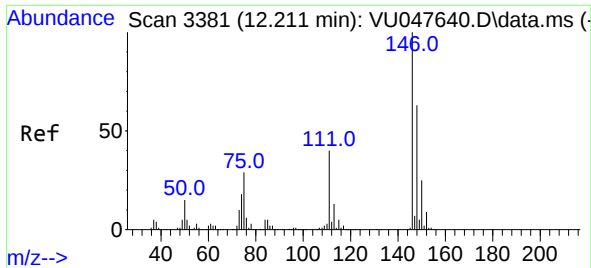


#63
1,2,4-Trimethylbenzene
Concen: 20.451 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32



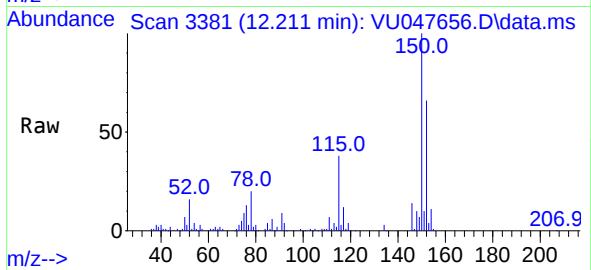
Tgt Ion:105 Resp: 152845
Ion Ratio Lower Upper
105 100
120 45.6 37.6 56.4





#67
 1,2-Dichlorobenzene
 Concen: 1.762 ug/L
 RT: 12.211 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU047656.D
 Acq: 25 Mar 2022 00:32

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y2



Tgt Ion:146 Resp: 8884
 Ion Ratio Lower Upper
 146 100
 111 47.5 31.7 47.5
 148 70.0 51.4 77.2

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

