

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
 Data File : VU047644.D
 Acq On : 24 Mar 2022 20:00
 Operator : SY/MD
 Sample : N2081-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X2

Quant Time: Mar 24 23:49:16 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	70136	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	75481	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	43606	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	33708	66.276	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	132.560%	
7) Chloroethane-d5	1.919	69	26351	65.708	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	131.420%#	
11) 1,1-Dichloroethene-d2	2.572	63	48400	52.013	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	104.020%	
21) 2-Butanone-d5	4.645	46	61702	141.342	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	141.340%#	
24) Chloroform-d	5.067	84	61804	66.413	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	132.820%#	
26) 1,2-Dichloroethane-d4	5.703	65	39993	70.070	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	140.140%#	
32) Benzene-d6	5.729	84	125028	65.828	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	131.660%#	
36) 1,2-Dichloropropane-d6	6.694	67	38857	66.616	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	133.240%#	
41) Toluene-d8	7.899	98	109168	58.994	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	117.980%	
43) trans-1,3-Dichloroprop...	8.182	79	17633	59.670	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	119.340%	
47) 2-Hexanone-d5	8.639	63	38639	113.158	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	113.160%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	62411	62.346	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	124.700%#	
66) 1,2-Dichlorobenzene-d4	12.195	152	51446	66.314	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	132.620%#	
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	7390	11.652	ug/L	91
8) Chloroethane	1.938	64	30609	76.883	ug/L	97
9) Trichlorofluoromethane	2.147	101	1039	1.162	ug/L	96
12) 1,1-Dichloroethene	2.588	96	7868	16.354	ug/L #	30
13) Acetone	2.662	43	3233m	7.958	ug/L	
14) Carbon disulfide	2.800	76	1557	1.024	ug/L #	81
17) trans-1,2-Dichloroethene	3.362	96	2131	4.107	ug/L	91
18) Methyl tert-butyl Ether	3.369	73	1936	1.322	ug/L	92
19) 1,1-Dichloroethane	3.877	63	209051	233.589	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	139286	244.837	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	766318	895.361	ug/L	99
34) Trichloroethene	6.542	95	5713	9.974	ug/L	97
35) Methylcyclohexane	6.768	83	1396	1.602	ug/L #	86
42) Toluene	7.973	91	2852	1.190	ug/L	91
46) Tetrachloroethene	8.555	164	24337	47.281	ug/L	94
62) 1,3,5-Trimethylbenzene	11.089	105	1237	0.967	ug/L	95
63) 1,2,4-Trimethylbenzene	11.468	105	2926	1.506	ug/L	90

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

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

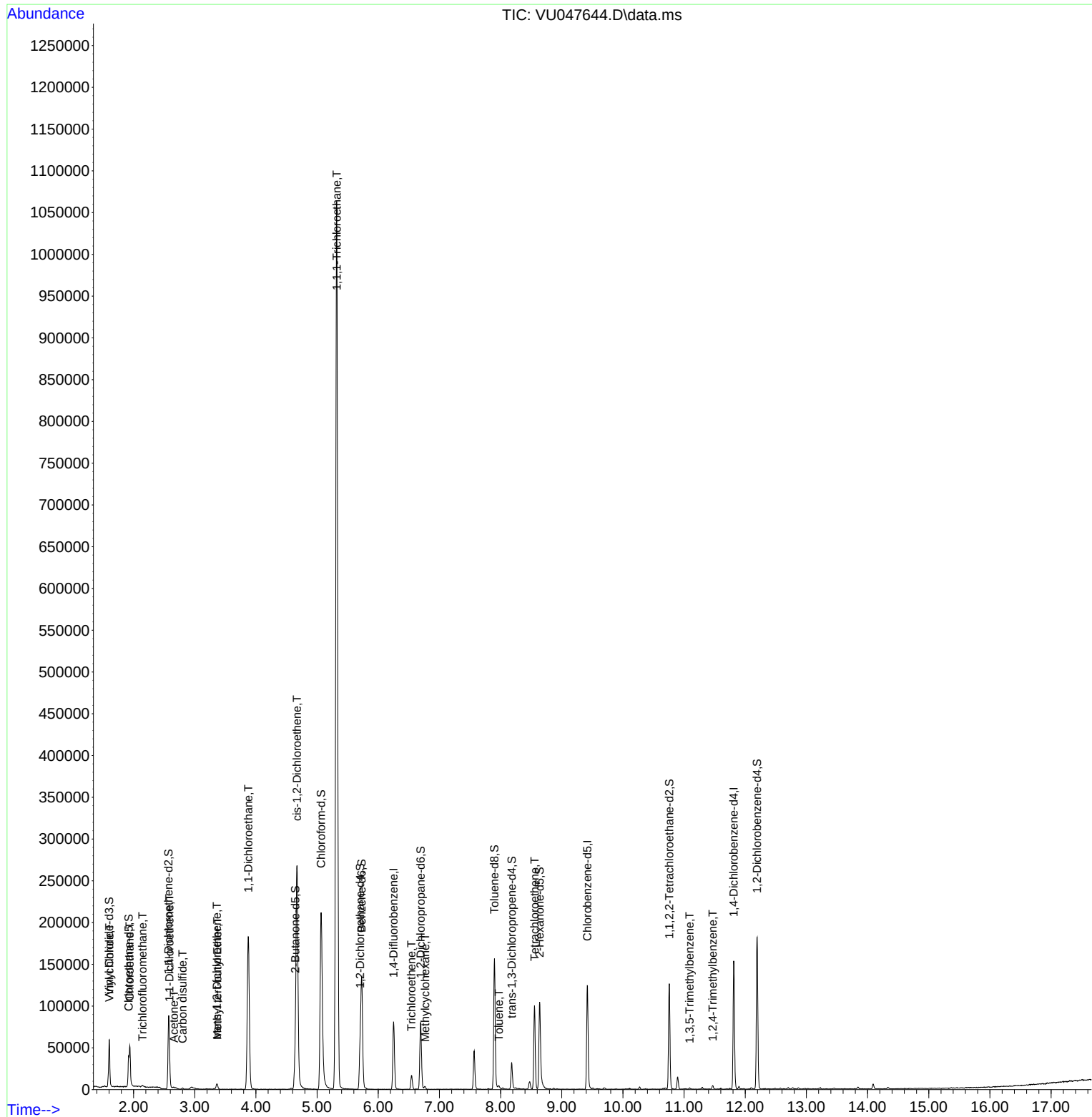
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
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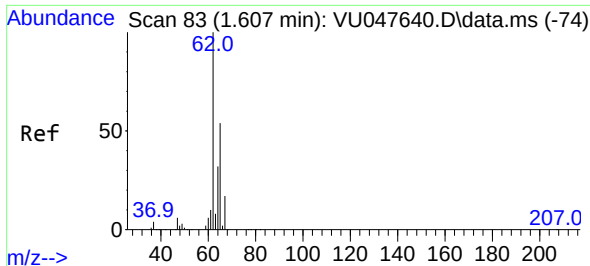
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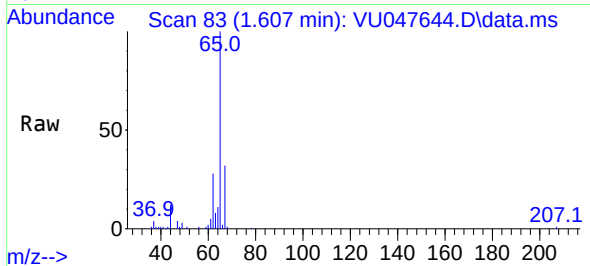
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Quant Title : VOC Analysis
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#5
 Vinyl chloride
 Concen: 11.652 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU047644.D
 Acq: 24 Mar 2022 20:00

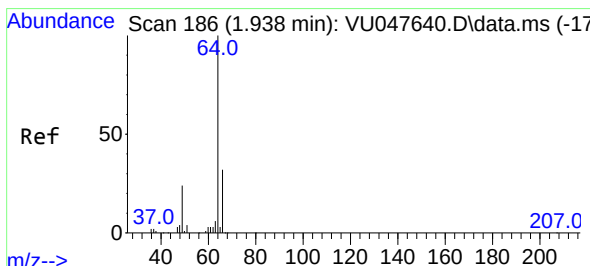
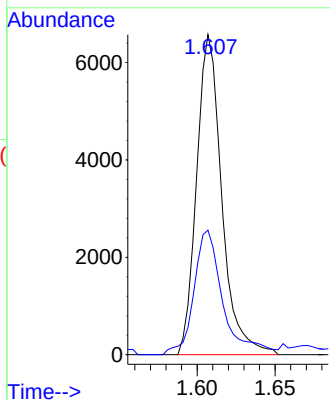
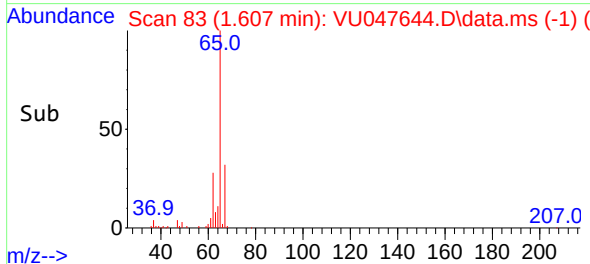
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X2



Tgt Ion: 62 Resp: 7390
 Ion Ratio Lower Upper
 62 100
 64 38.9 23.7 43.9

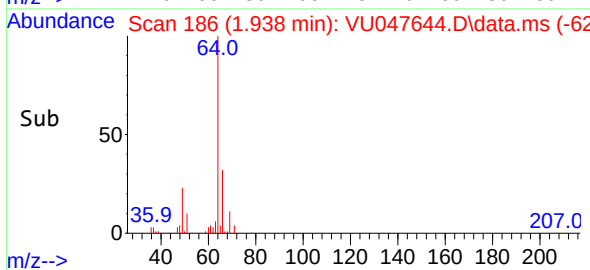
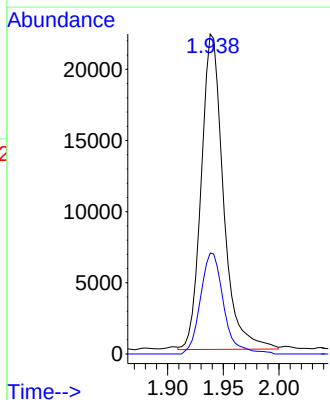
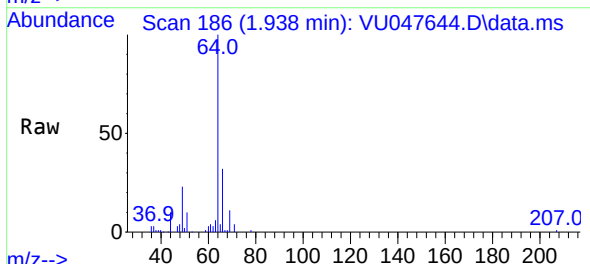
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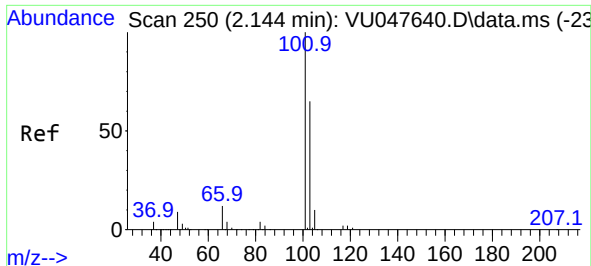
Reviewed By :John Carlone 03/25/2022
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#8
 Chloroethane
 Concen: 76.883 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU047644.D
 Acq: 24 Mar 2022 20:00

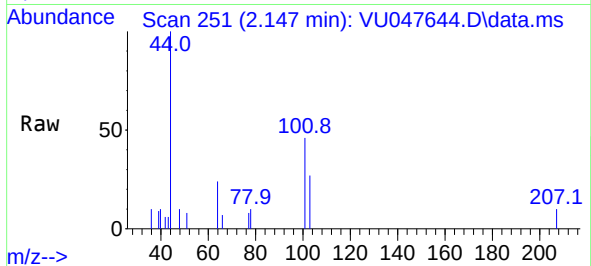
Tgt Ion: 64 Resp: 30609
 Ion Ratio Lower Upper
 64 100
 66 31.6 23.3 43.3





#9
 Trichlorofluoromethane
 Concen: 1.162 ug/L
 RT: 2.147 min Scan# 210
 Delta R.T. 0.003 min
 Lab File: VU047644.D
 Acq: 24 Mar 2022 20:00

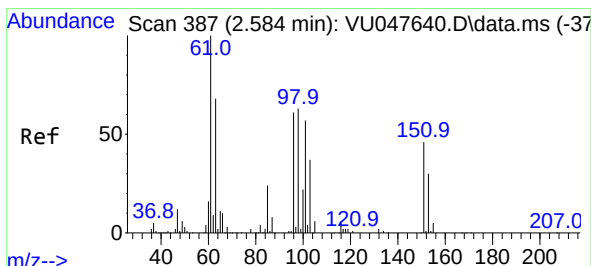
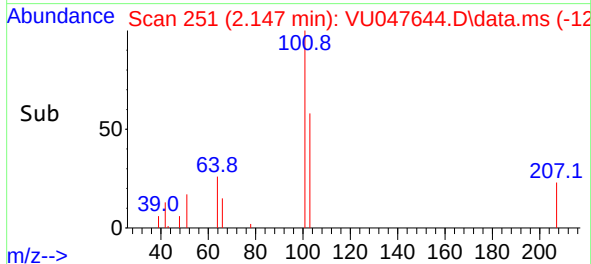
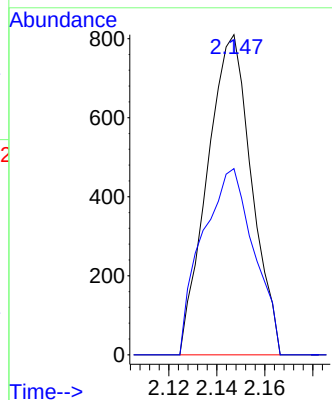
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X2



Tgt Ion:101 Resp: 1039
 Ion Ratio Lower Upper
 101 100
 103 67.8 51.4 77.2

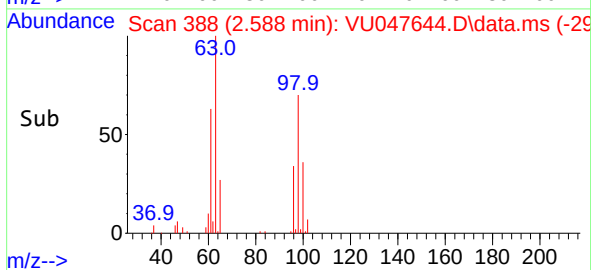
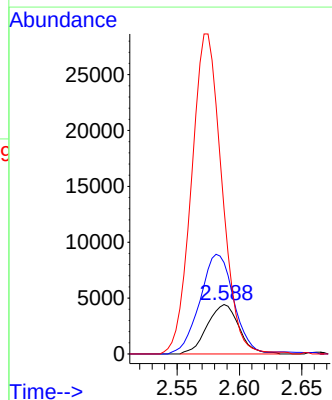
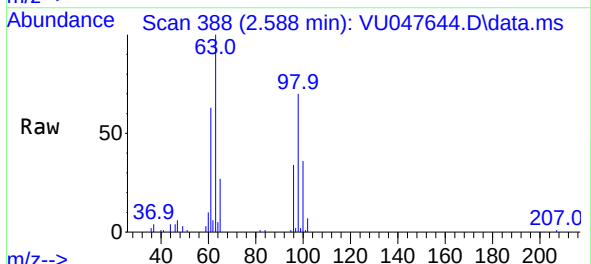
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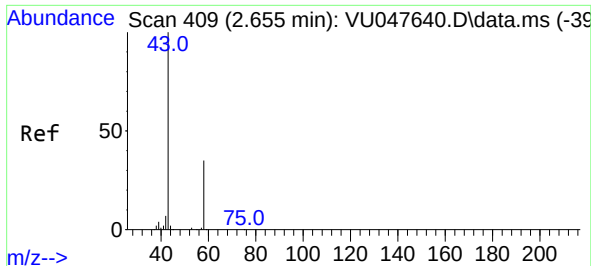
Reviewed By :John Carlone 03/25/2022
 Supervised By :Mahesh Dadoda 03/29/2022



#12
 1,1-Dichloroethene
 Concen: 16.354 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.003 min
 Lab File: VU047644.D
 Acq: 24 Mar 2022 20:00

Tgt Ion: 96 Resp: 7868
 Ion Ratio Lower Upper
 96 100
 61 184.9 113.1 210.1
 63 293.8 94.8 176.0#





#13

Acetone

Concen: 7.958 ug/L m

RT: 2.662 min Scan# 411

Delta R.T. 0.006 min

Lab File: VU047644.D

Acq: 24 Mar 2022 20:00

Instrument :

MSVOA_U

ClientSampleId :

EW5X2

Tgt Ion: 43 Resp: 323

Ion Ratio Lower Upper

43 100

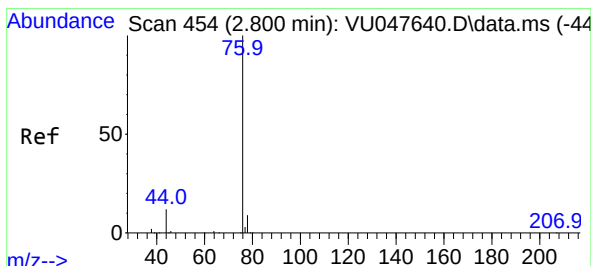
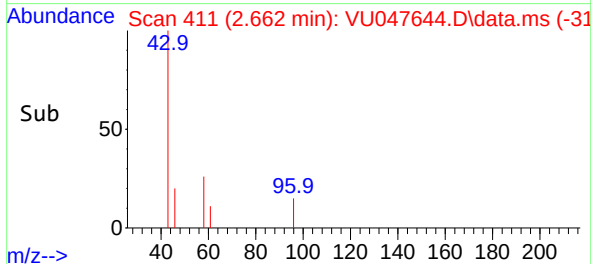
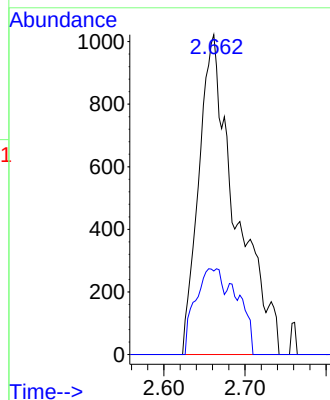
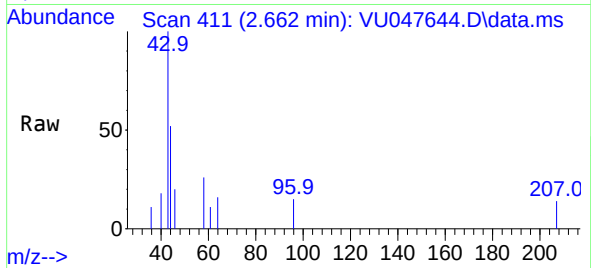
58 13.9 0.0 70.0

Manual Integrations

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Reviewed By :John Carlone 03/25/2022

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#14

Carbon disulfide

Concen: 1.024 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU047644.D

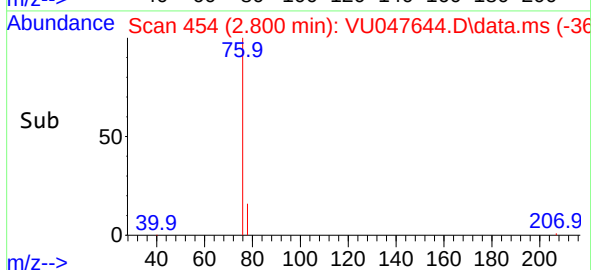
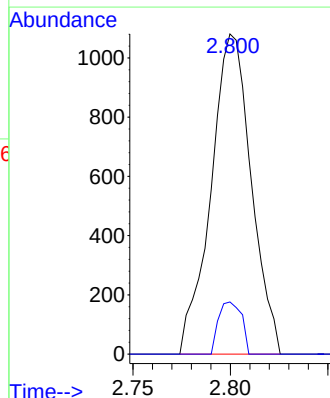
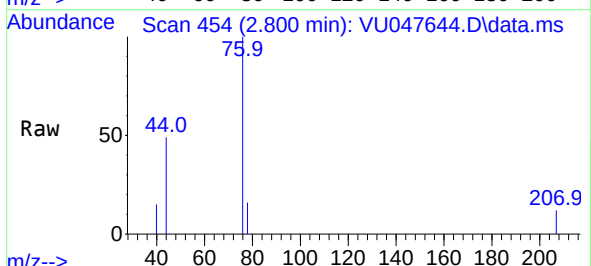
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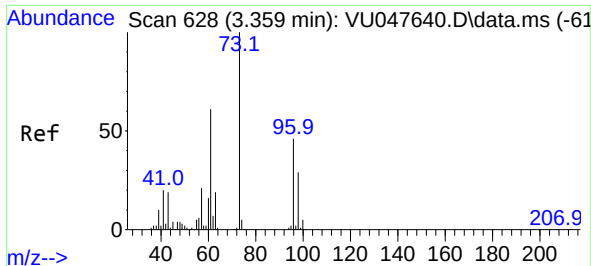
Tgt Ion: 76 Resp: 1557

Ion Ratio Lower Upper

76 100

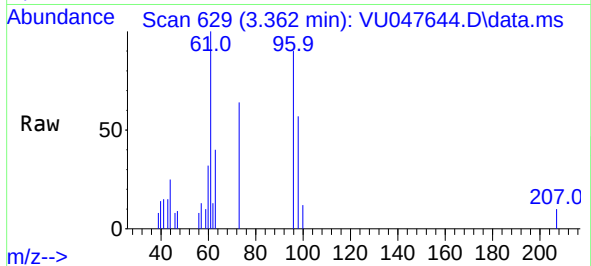
78 16.3 7.4 11.0#





#17
trans-1,2-Dichloroethene
Concen: 4.107 ug/L
RT: 3.362 min Scan# 611
Delta R.T. 0.003 min
Lab File: VU047644.D
Acq: 24 Mar 2022 20:00

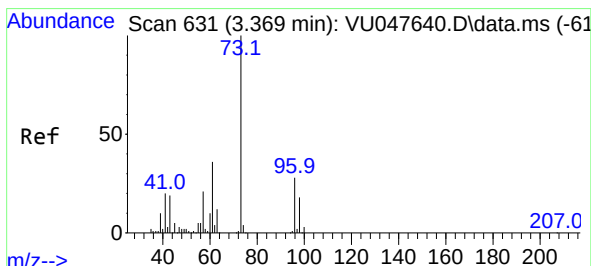
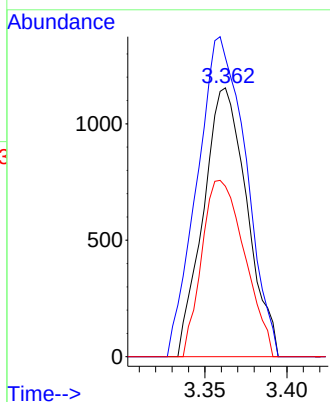
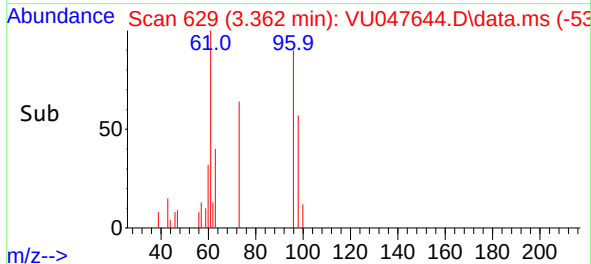
Instrument :
MSVOA_U
ClientSampleId :
EW5X2



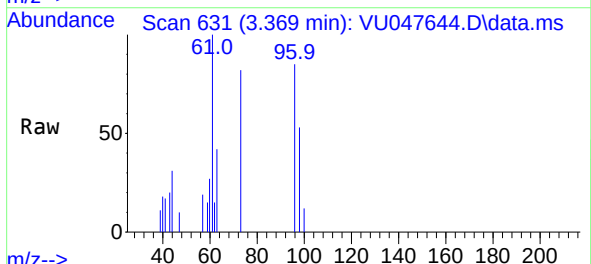
Tgt Ion: 96 Resp: 213
Ion Ratio Lower Upper
96 100
61 111.3 88.4 164.2
98 63.4 43.3 80.5

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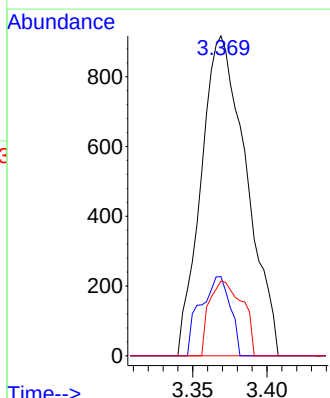
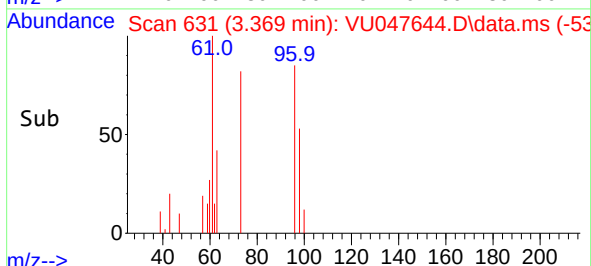
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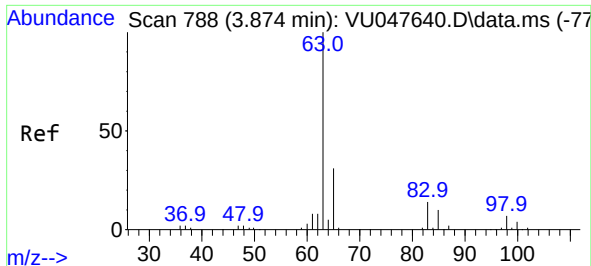


#18
Methyl tert-butyl Ether
Concen: 1.322 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.000 min
Lab File: VU047644.D
Acq: 24 Mar 2022 20:00



Tgt Ion: 73 Resp: 1936
Ion Ratio Lower Upper
73 100
43 16.3 15.3 22.9
57 17.1 17.0 25.6





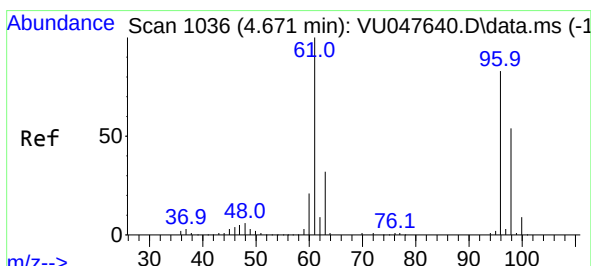
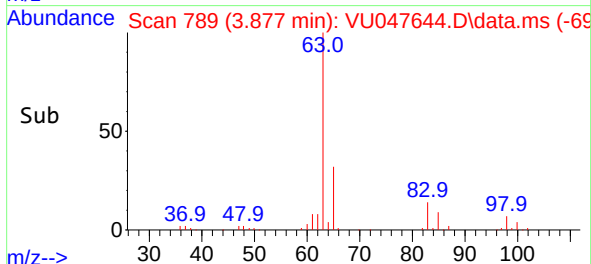
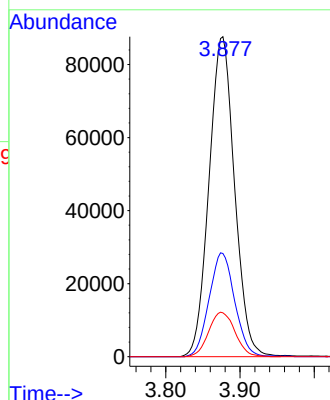
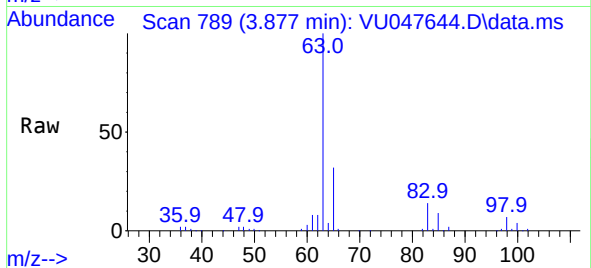
#19
1,1-Dichloroethane
Concen: 233.589 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.003 min
Lab File: VU047644.D
Acq: 24 Mar 2022 20:00

Instrument :
MSVOA_U
ClientSampleId :
EW5X2

Tgt Ion: 63 Resp: 20905
Ion Ratio Lower Upper
63 100
65 32.3 22.0 41.0
83 13.7 9.7 18.1

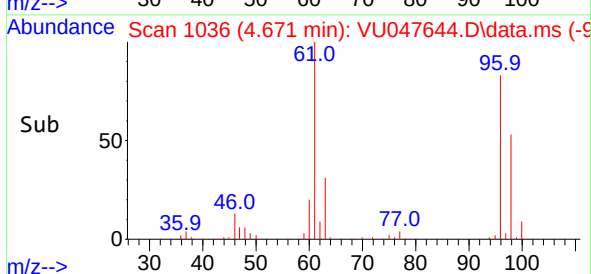
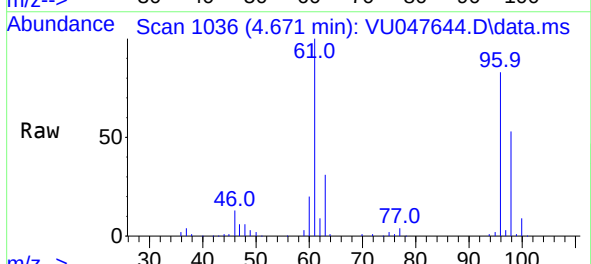
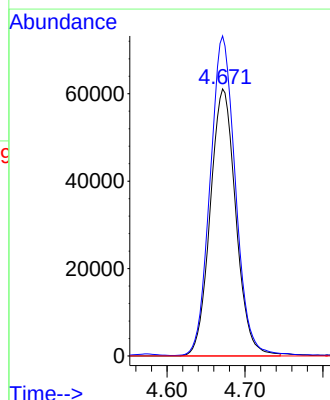
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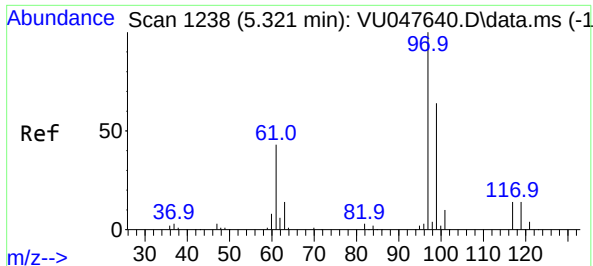
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/29/2022



#20
cis-1,2-Dichloroethene
Concen: 244.837 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU047644.D
Acq: 24 Mar 2022 20:00

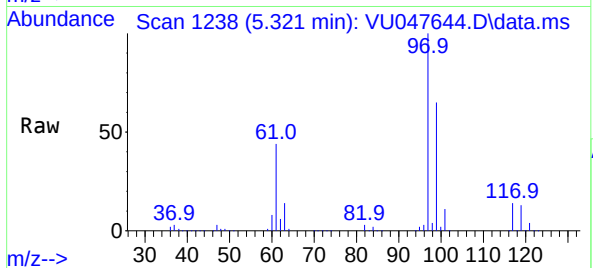
Tgt Ion: 96 Resp: 139286
Ion Ratio Lower Upper
96 100
61 119.9 80.7 149.9
68 0.0 0.0 0.0





#30
1,1,1-Trichloroethane
Concen: 895.361 ug/L
RT: 5.321 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU047644.D
Acq: 24 Mar 2022 20:00

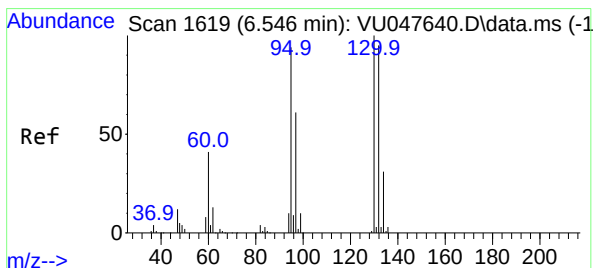
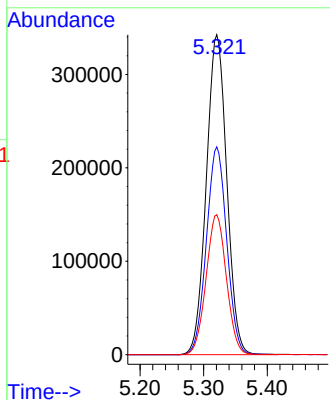
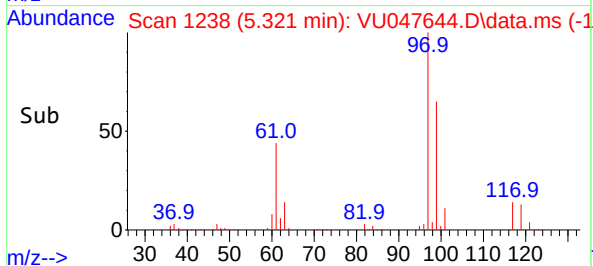
Instrument :
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ClientSampleId :
EW5X2



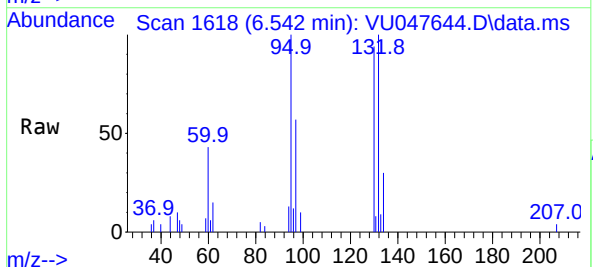
Tgt Ion: 97 Resp: 766318
Ion Ratio Lower Upper
97 100
99 64.7 51.6 77.4
61 43.5 34.2 51.4

Manual Integrations
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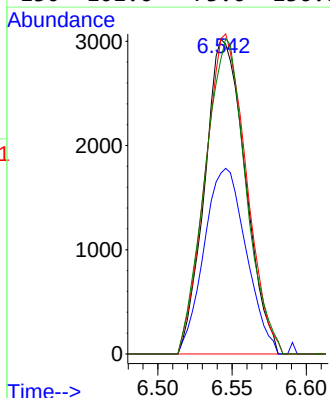
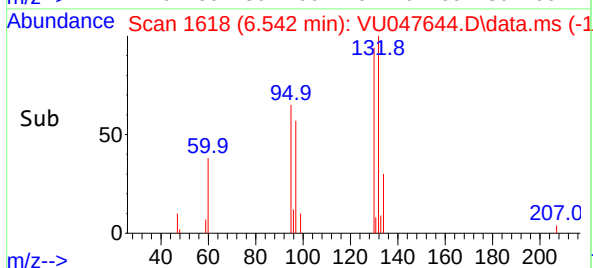
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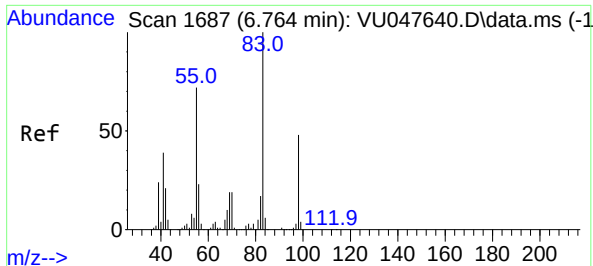


#34
Trichloroethene
Concen: 9.974 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU047644.D
Acq: 24 Mar 2022 20:00



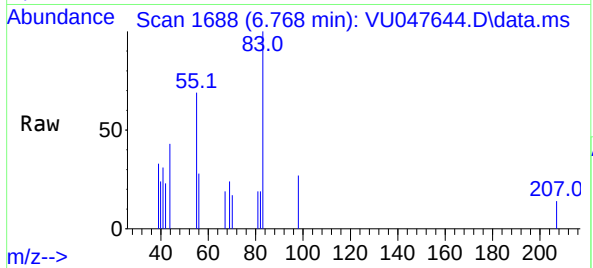
Tgt Ion: 95 Resp: 5713
Ion Ratio Lower Upper
95 100
97 57.4 44.7 82.9
132 100.2 70.4 130.8
130 101.6 73.6 136.8





#35
Methylcyclohexane
Concen: 1.602 ug/L
RT: 6.768 min Scan# 10
Delta R.T. 0.003 min
Lab File: VU047644.D
Acq: 24 Mar 2022 20:00

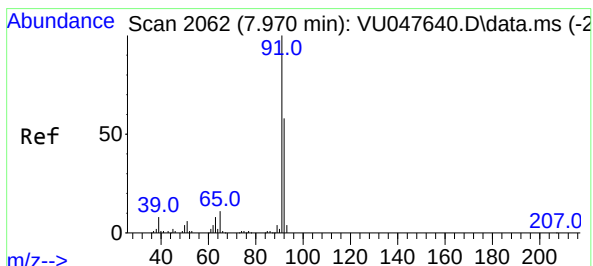
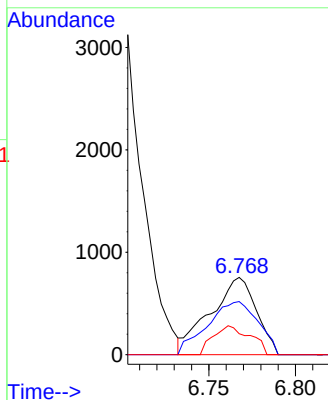
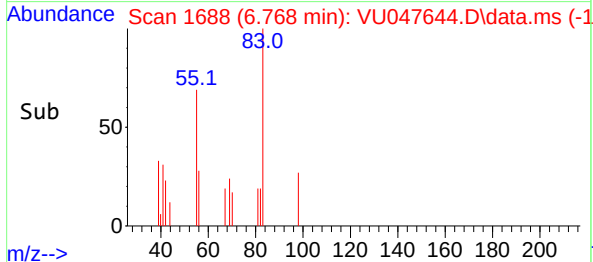
Instrument :
MSVOA_U
ClientSampleId :
EW5X2



Tgt Ion: 83 Resp: 1390
Ion Ratio Lower Upper
83 100
55 75.8 56.8 85.2
98 29.9 38.1 57.1

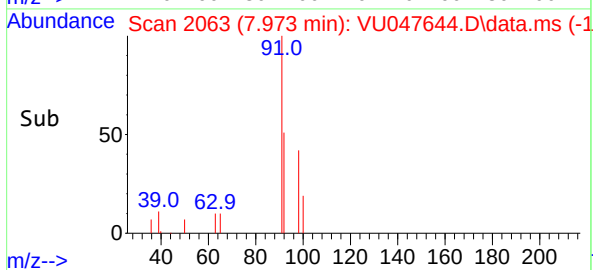
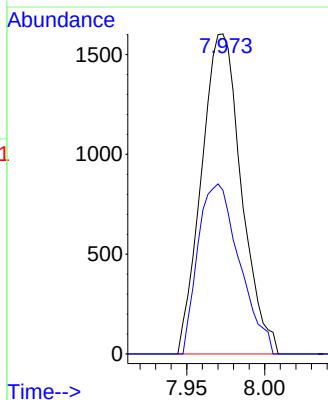
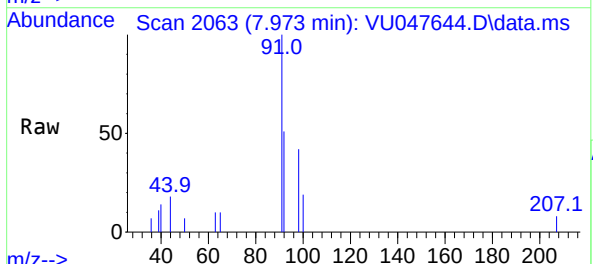
Manual Integrations
APPROVED

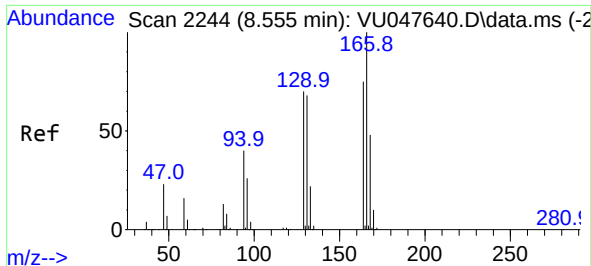
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/29/2022



#42
Toluene
Concen: 1.190 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.003 min
Lab File: VU047644.D
Acq: 24 Mar 2022 20:00

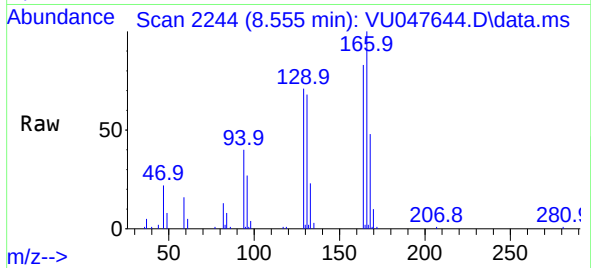
Tgt Ion: 91 Resp: 2852
Ion Ratio Lower Upper
91 100
92 51.1 40.4 75.0





#46
Tetrachloroethene
Concen: 47.281 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU047644.D
Acq: 24 Mar 2022 20:00

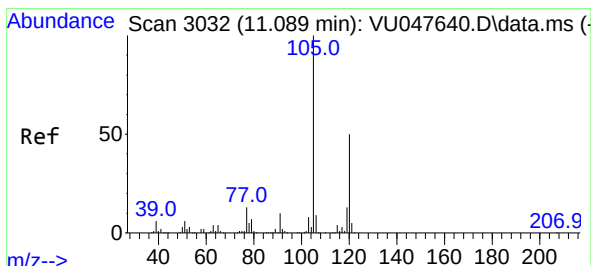
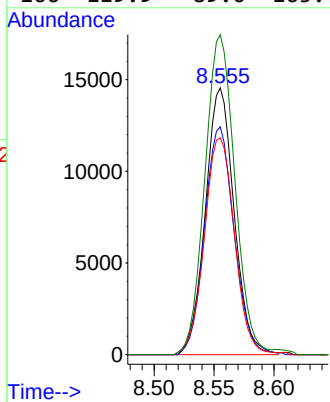
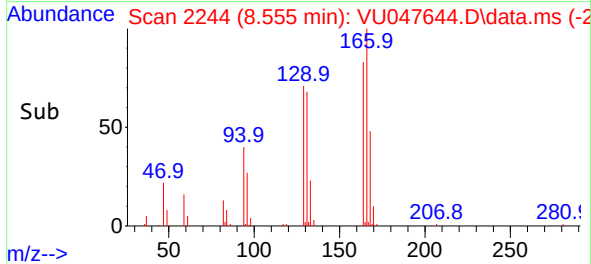
Instrument :
MSVOA_U
ClientSampleId :
EW5X2



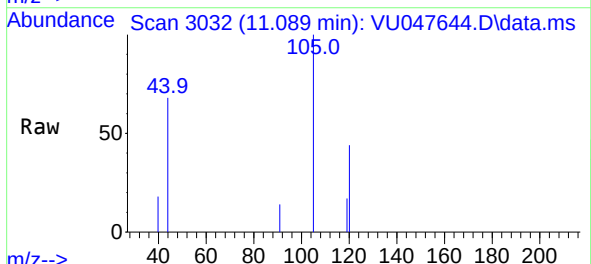
Tgt Ion:164 Resp: 2433
Ion Ratio Lower Upper
164 100
129 85.4 62.4 116.0
131 81.3 60.7 112.7
166 119.9 89.0 165.4

Manual Integrations
APPROVED

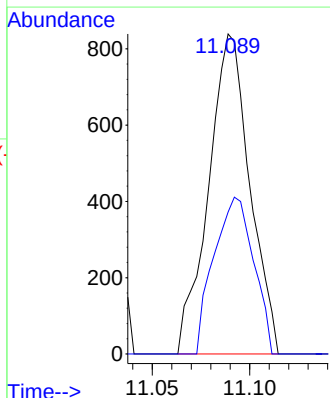
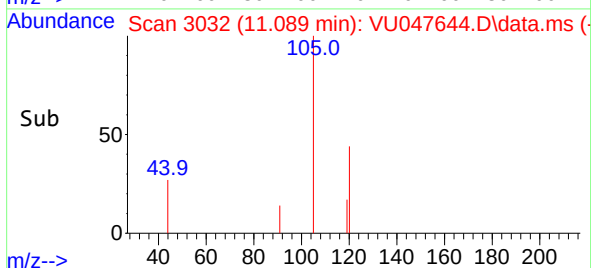
Reviewed By :John Carlone 03/25/2022
Supervised By :Mahesh Dadoda 03/29/2022

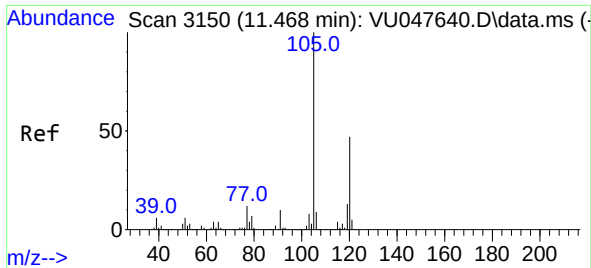


#62
1,3,5-Trimethylbenzene
Concen: 0.967 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU047644.D
Acq: 24 Mar 2022 20:00



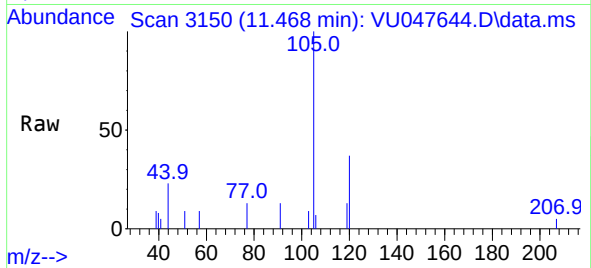
Tgt Ion:105 Resp: 1237
Ion Ratio Lower Upper
105 100
120 47.2 40.8 61.2





#63
 1,2,4-Trimethylbenzene
 Concen: 1.506 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU047644.D
 Acq: 24 Mar 2022 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X2



Tgt Ion:105 Resp: 2920
 Ion Ratio Lower Upper
 105 100
 120 40.0 37.6 56.4

Manual Integrations
 APPROVED

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

