

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032522\
 Data File : VU047672.D
 Acq On : 25 Mar 2022 14:44
 Operator : SY/MD
 Sample : N2081-06DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X5DL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 26 02:09:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 26 02:04:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	30788	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	33194	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	20953	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	96817	433.644	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 867.280%#		
7) Chloroethane-d5	1.915	69	84610	480.619	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 961.240%#		
11) 1,1-Dichloroethene-d2	2.568	63	128970	315.732	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 631.460%#		
21) 2-Butanone-d5	4.645	46	176922	923.238	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 923.240%#		
24) Chloroform-d	5.066	84	169114	413.974	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 827.940%#		
26) 1,2-Dichloroethane-d4	5.703	65	113317	452.274	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 904.540%#		
32) Benzene-d6	5.729	84	351394	420.703	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 841.400%#		
36) 1,2-Dichloropropane-d6	6.693	67	108245	421.985	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 843.960%#		
41) Toluene-d8	7.899	98	316006	388.317	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 776.640%#		
43) trans-1,3-Dichloroprop...	8.182	79	52451	403.609	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 807.220%#		
47) 2-Hexanone-d5	8.642	63	123778	824.288	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 824.290%#		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	177258	402.655	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 805.320%#		
66) 1,2-Dichlorobenzene-d4	12.195	152	143290	384.388	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 768.780%#		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	19502	70.051	ug/L	95
8) Chloroethane	1.938	64	6189	35.413	ug/L	95
12) 1,1-Dichloroethene	2.575	96	2109	9.986	ug/L #	1
16) Methylene chloride	3.054	84	628	2.591	ug/L	97
17) trans-1,2-Dichloroethene	3.359	96	810m	3.556	ug/L	
19) 1,1-Dichloroethane	3.870	63	80128	203.960	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	83761	335.405	ug/L	94
30) 1,1,1-Trichloroethane	5.317	97	40416	107.379	ug/L	99
33) Benzene	5.777	78	544	0.566	ug/L	100
34) Trichloroethene	6.546	95	3300	13.101	ug/L	97
35) Methylcyclohexane	6.764	83	1291	3.369	ug/L #	89
42) Toluene	7.973	91	13780	13.071	ug/L	99
46) Tetrachloroethene	8.552	164	6599	29.152	ug/L	98
48) 2-Hexanone	8.697	43	4099	12.344	ug/L #	77
52) Ethylbenzene	9.571	91	14082	12.704	ug/L	99
53) m,p-Xylene	9.697	106	5692	13.087	ug/L	85
54) o-Xylene	10.105	106	6357	14.891	ug/L	90
61) Isopropylbenzene	10.484	105	4364	3.854	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	35103	57.133	ug/L	99

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QLast Update : Sat Mar 26 02:04:39 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.468	105	155930	167.077	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	853	1.354	ug/L #	26

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

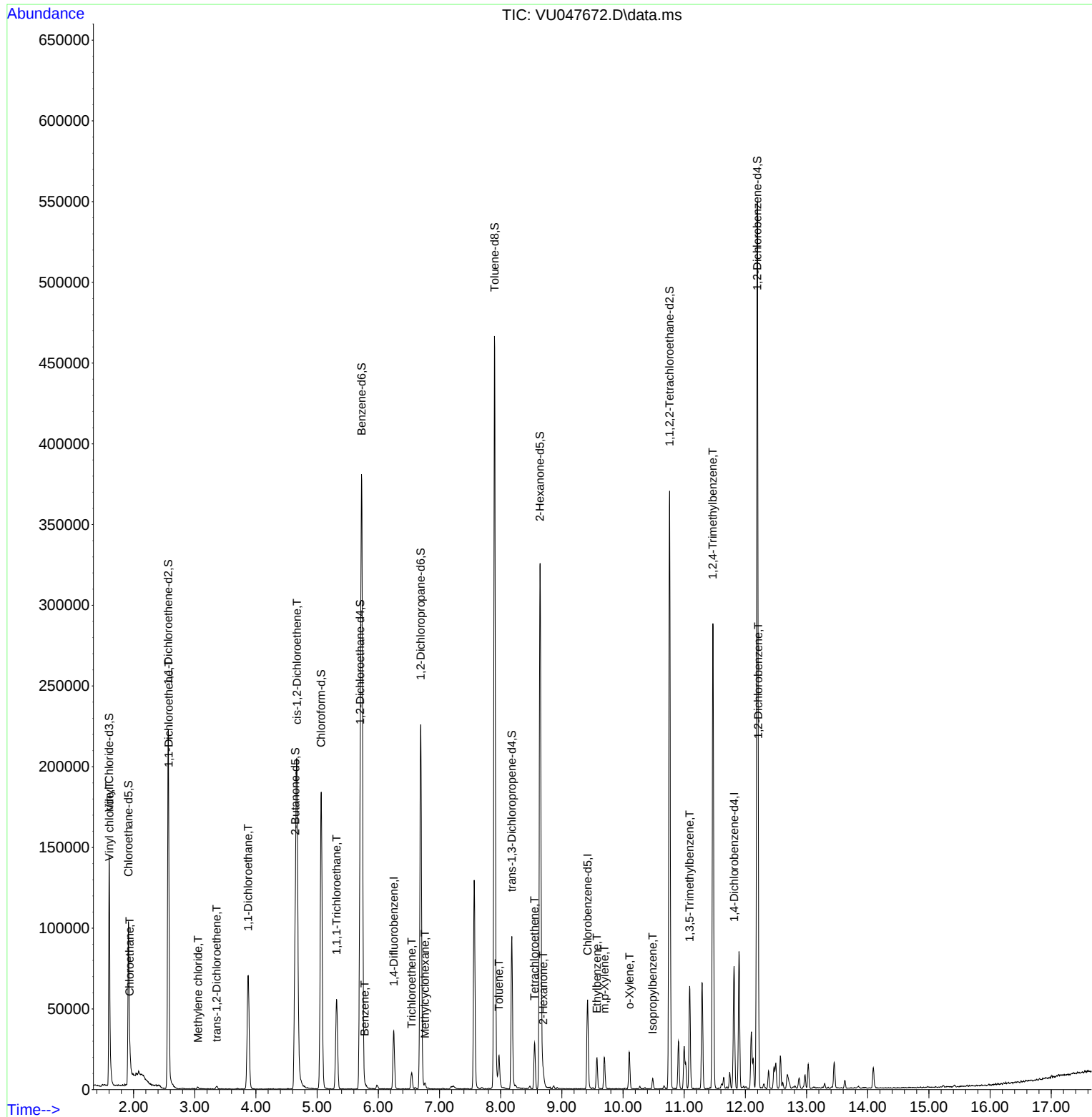
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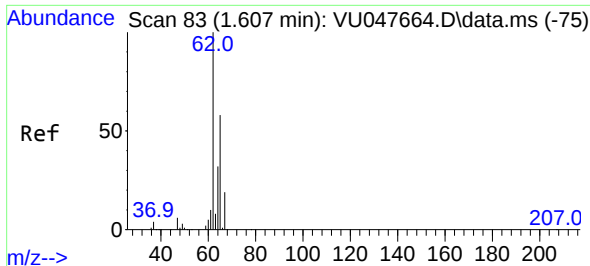
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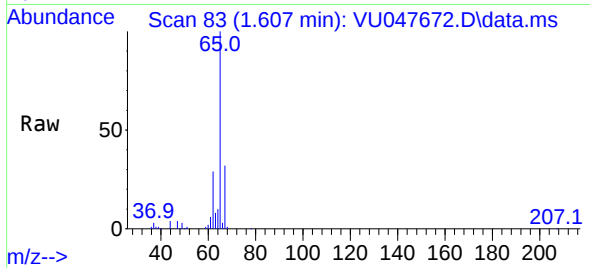
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
Quant Title : VOC Analysis
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#5
 Vinyl chloride
 Concen: 70.051 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU047672.D
 Acq: 25 Mar 2022 14:44

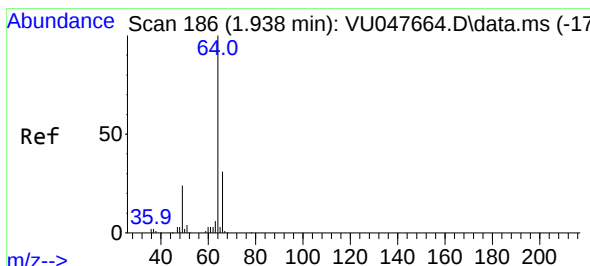
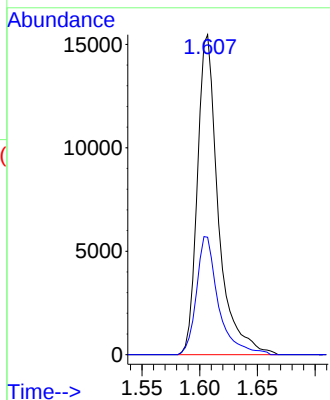
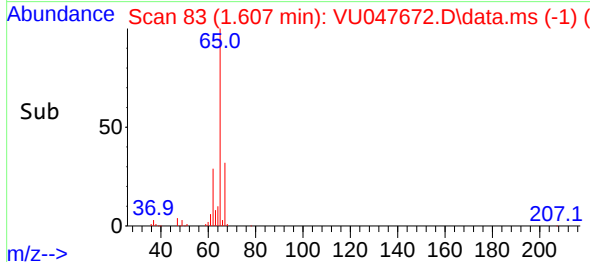
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X5DL



Tgt Ion: 62 Resp: 1950
 Ion Ratio Lower Upper
 62 100
 64 36.7 23.7 43.9

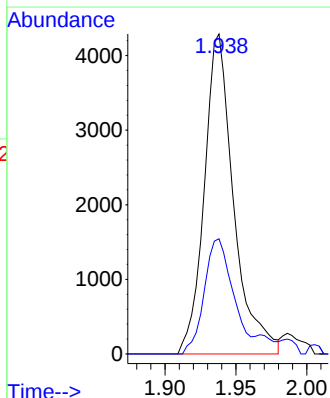
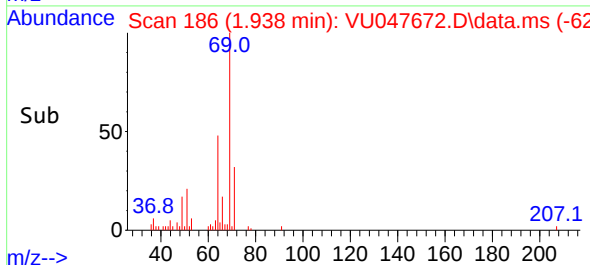
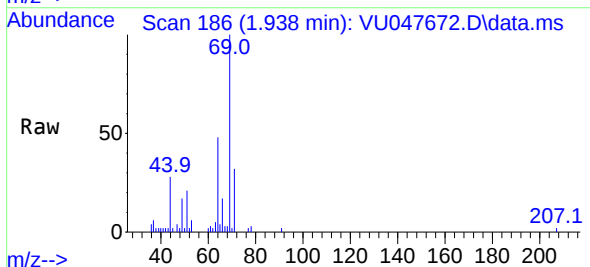
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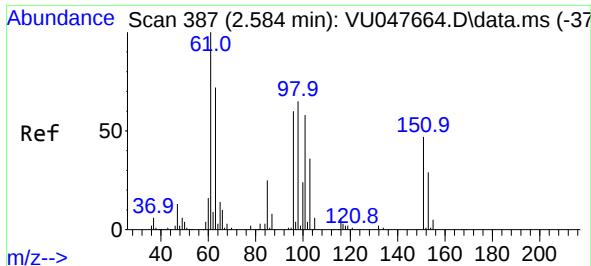
Reviewed By :John Carlone 03/26/2022
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#8
 Chloroethane
 Concen: 35.413 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU047672.D
 Acq: 25 Mar 2022 14:44

Tgt Ion: 64 Resp: 6189
 Ion Ratio Lower Upper
 64 100
 66 36.0 23.3 43.3





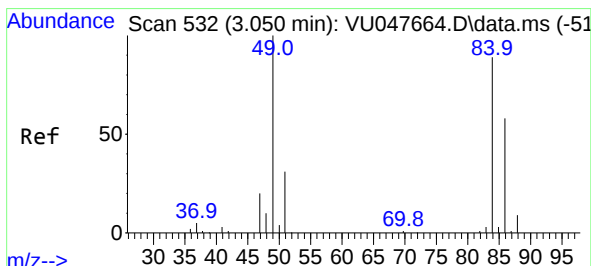
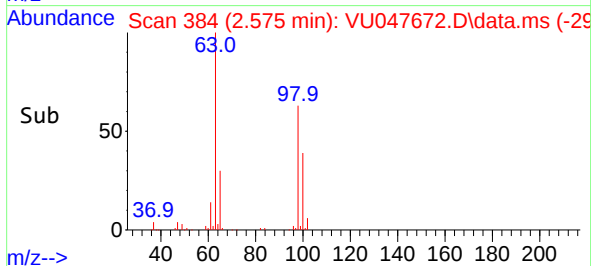
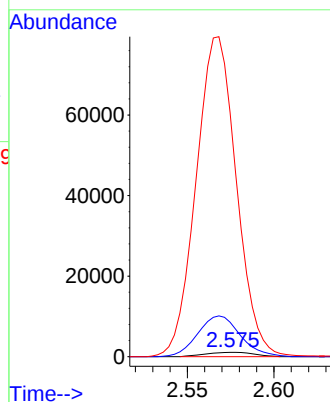
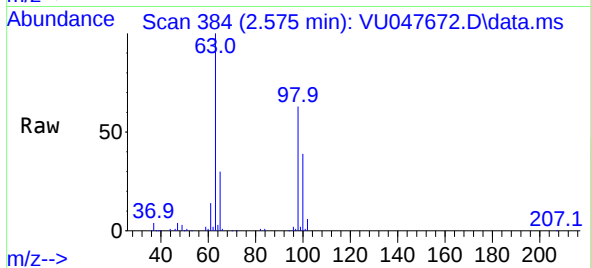
#12
1,1-Dichloroethene
Concen: 9.986 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.010 min
Lab File: VU047672.D
Acq: 25 Mar 2022 14:44

Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL

Tgt Ion: 96 Resp: 2109
Ion Ratio Lower Upper
96 100
61 790.6 113.1 210.1
63 5589.7 94.8 176.0

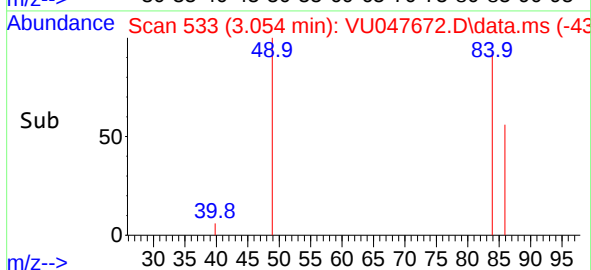
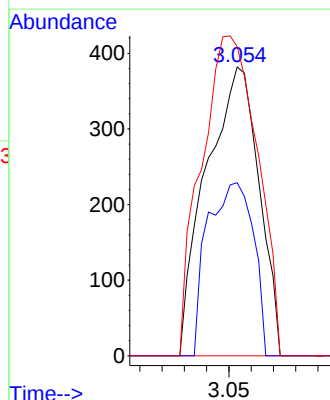
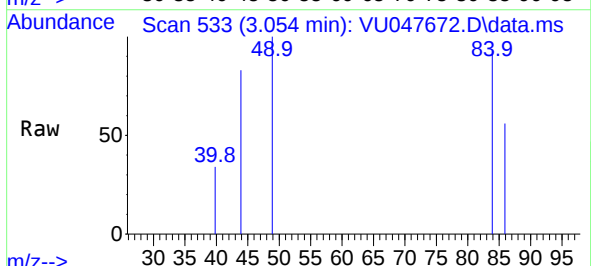
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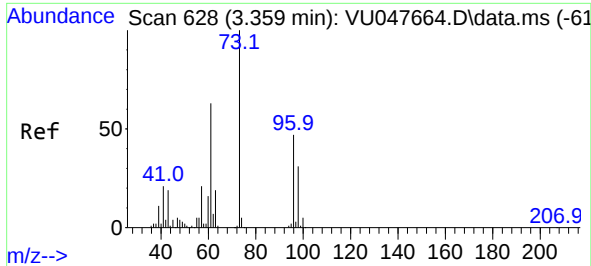
Reviewed By :John Carlone 03/26/2022
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#16
Methylene chloride
Concen: 2.591 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU047672.D
Acq: 25 Mar 2022 14:44

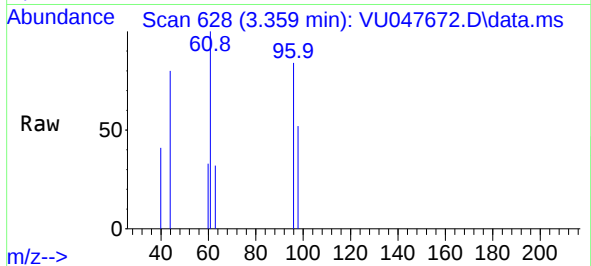
Tgt Ion: 84 Resp: 628
Ion Ratio Lower Upper
84 100
86 59.9 46.0 85.4
49 107.1 75.3 139.8





#17
trans-1,2-Dichloroethene
Concen: 3.556 ug/L m
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU047672.D
Acq: 25 Mar 2022 14:44

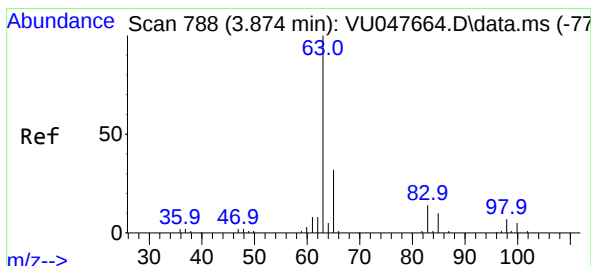
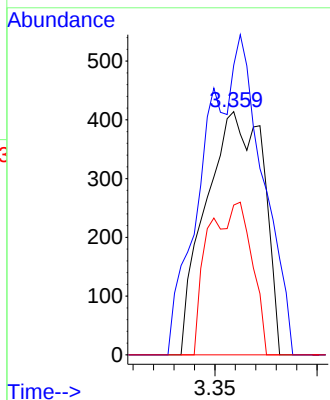
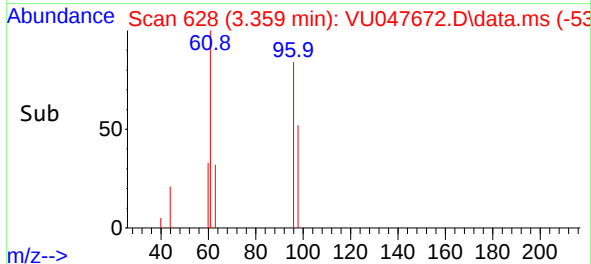
Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL



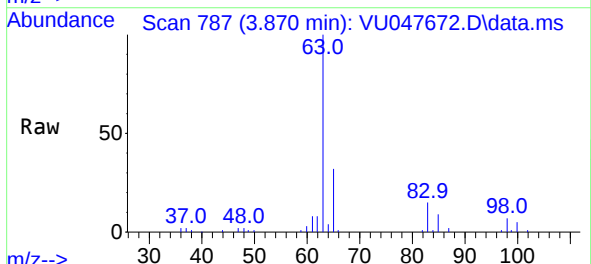
Tgt Ion: 96 Resp: 810
Ion Ratio Lower Upper
96 100
61 119.1 88.4 164.2
98 61.6 43.3 80.5

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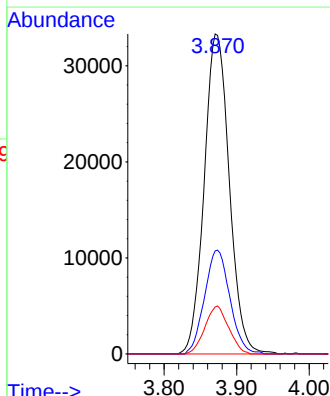
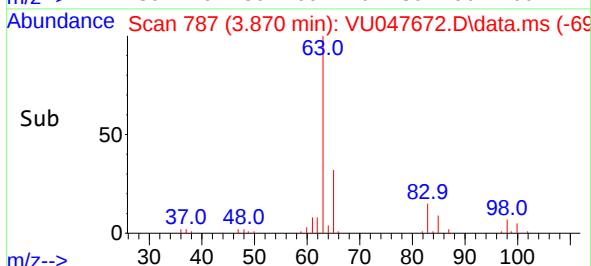
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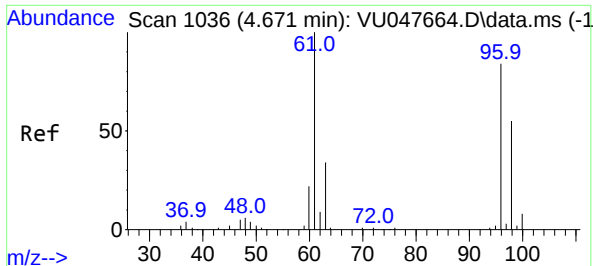


#19
1,1-Dichloroethane
Concen: 203.960 ug/L
RT: 3.870 min Scan# 787
Delta R.T. -0.003 min
Lab File: VU047672.D
Acq: 25 Mar 2022 14:44



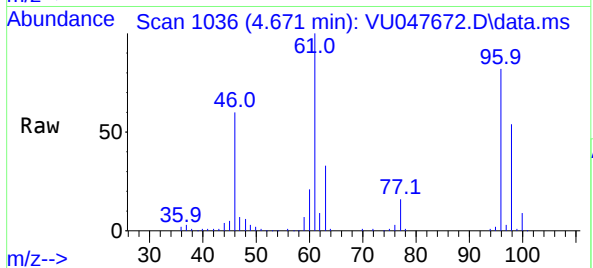
Tgt Ion: 63 Resp: 80128
Ion Ratio Lower Upper
63 100
65 32.2 22.0 41.0
83 14.7 9.7 18.1





cis-1,2-Dichloroethene
 Concen: 335.405 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VU047672.D
 Acq: 25 Mar 2022 14:44

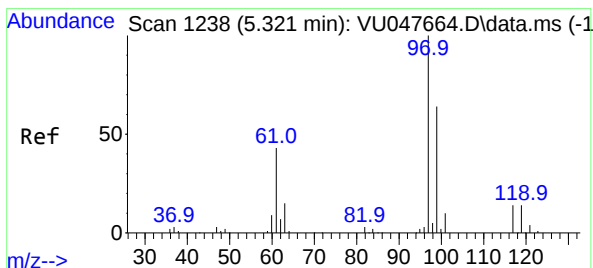
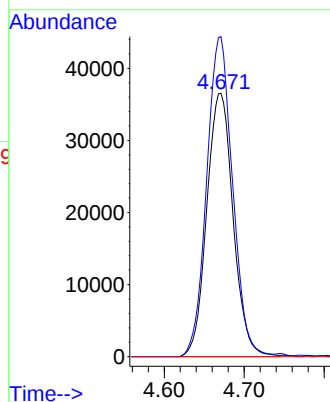
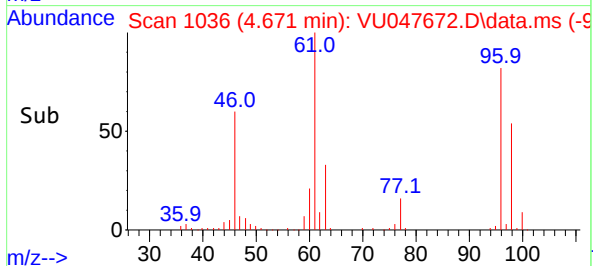
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X5DL



Tgt Ion: 96 Resp: 8376
 Ion Ratio Lower Upper
 96 100
 61 121.5 80.7 149.9
 68 0.0 0.0 0.0

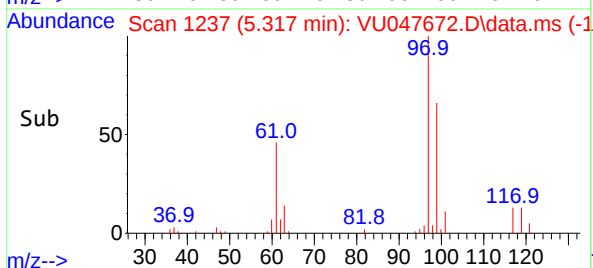
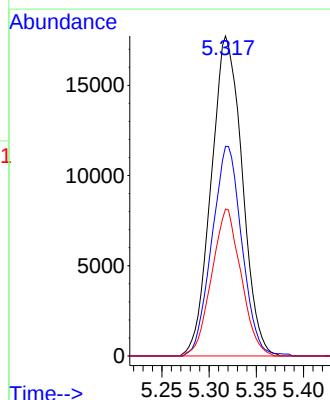
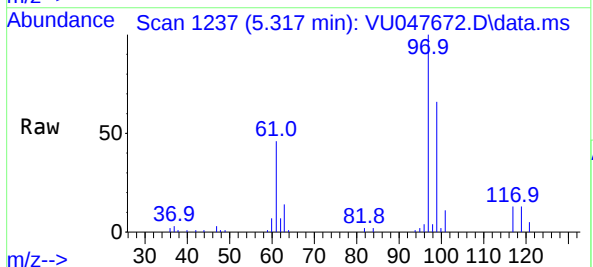
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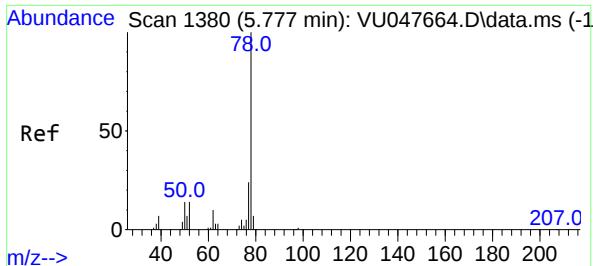
Reviewed By :John Carlone 03/26/2022
 Supervised By :Mahesh Dadoda 03/28/2022



1,1,1-Trichloroethane
 Concen: 107.379 ug/L
 RT: 5.317 min Scan# 1237
 Delta R.T. -0.003 min
 Lab File: VU047672.D
 Acq: 25 Mar 2022 14:44

Tgt Ion: 97 Resp: 40416
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.6 77.4
 61 43.6 34.2 51.4





#33

Benzene

Concen: 0.566 ug/L

RT: 5.777 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU047672.D

Acq: 25 Mar 2022 14:44

Instrument :

MSVOA_U

ClientSampleId :

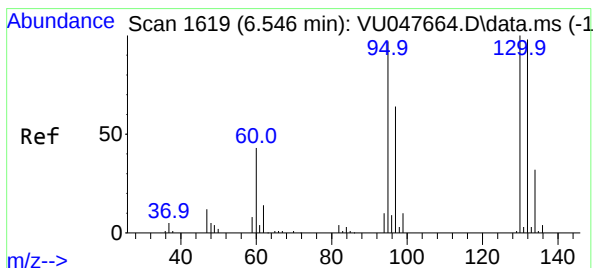
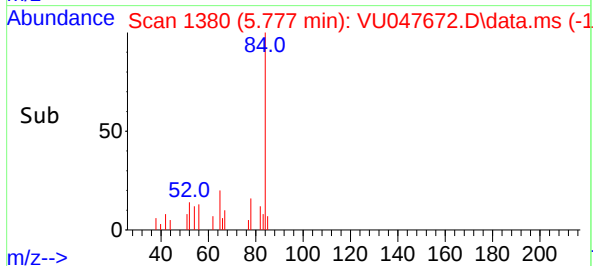
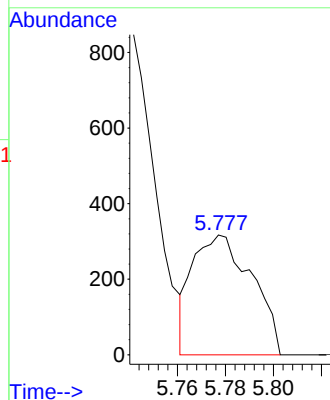
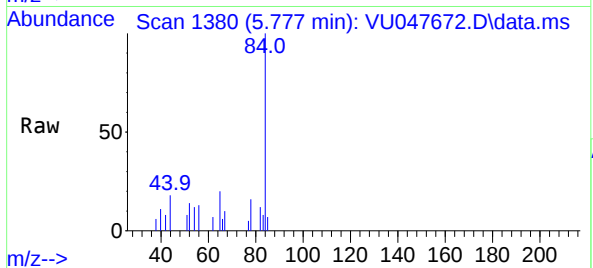
EW5X5DL

Tgt Ion: 78 Resp: 544

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#34

Trichloroethene

Concen: 13.101 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU047672.D

Acq: 25 Mar 2022 14:44

Tgt Ion: 95 Resp: 3300

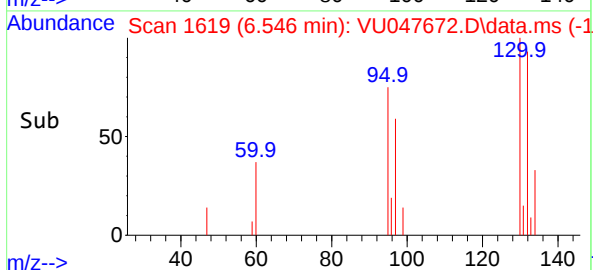
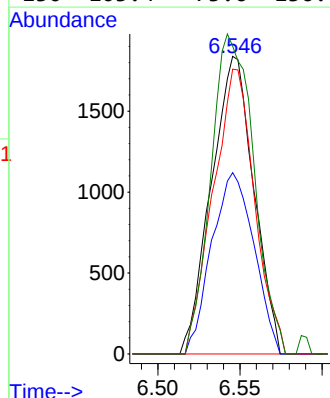
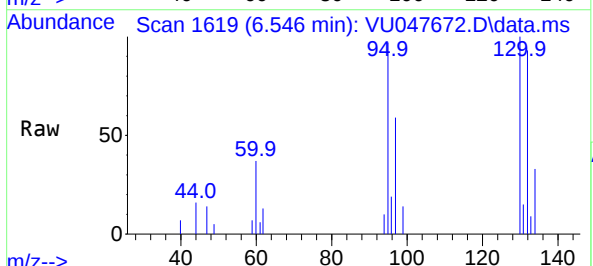
Ion Ratio Lower Upper

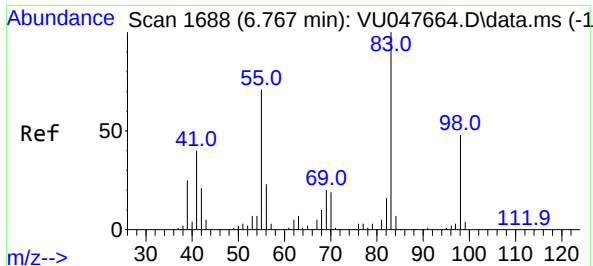
95 100

97 60.9 44.7 82.9

132 95.7 70.4 130.8

130 103.4 73.6 136.8





#35

Methylcyclohexane

Concen: 3.369 ug/L

RT: 6.764 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU047672.D

Acq: 25 Mar 2022 14:44

Instrument :

MSVOA_U

ClientSampleId :

EW5X5DL

Tgt Ion: 83 Resp: 129

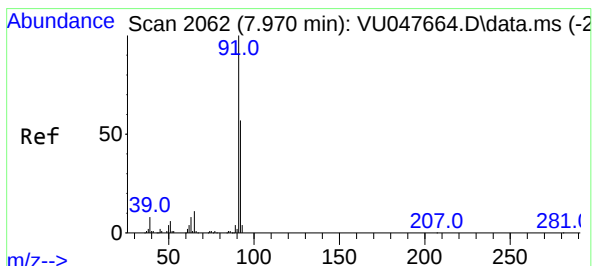
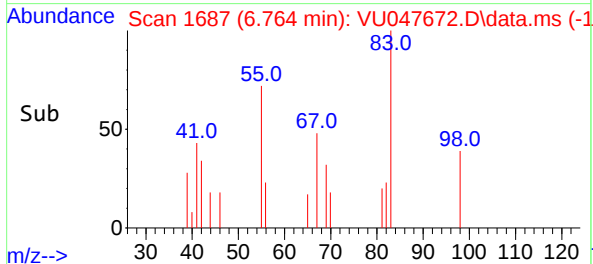
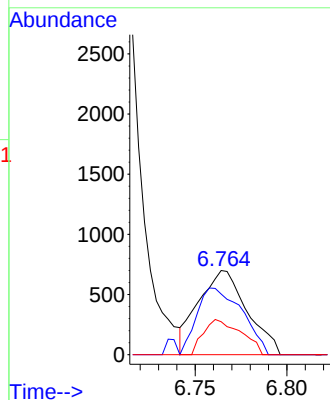
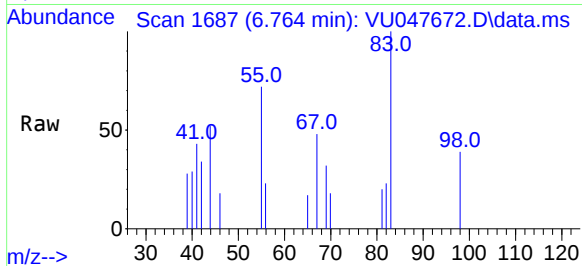
Ion	Ratio	Lower	Upper
83	100		
55	73.8	56.8	85.2
98	32.5	38.1	57.1

Manual Integrations

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Reviewed By :John Carlone 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#42

Toluene

Concen: 13.071 ug/L

RT: 7.973 min Scan# 2063

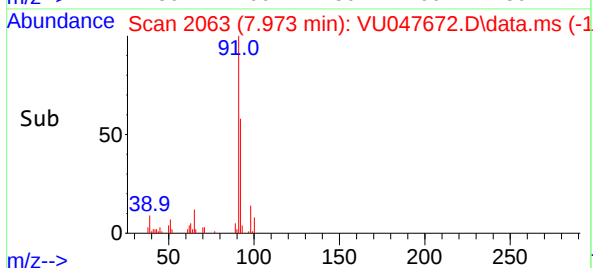
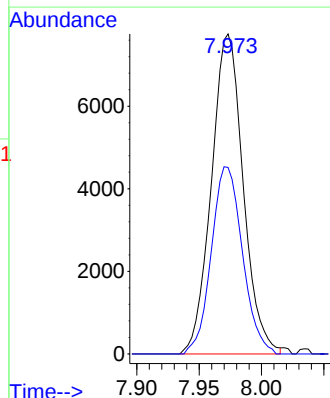
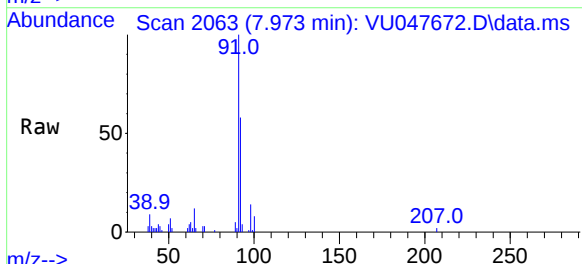
Delta R.T. 0.003 min

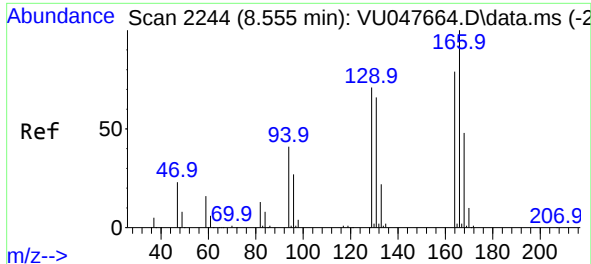
Lab File: VU047672.D

Acq: 25 Mar 2022 14:44

Tgt Ion: 91 Resp: 13780

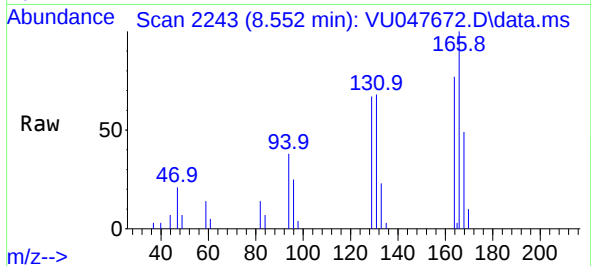
Ion	Ratio	Lower	Upper
91	100		
92	58.3	40.4	75.0





#46
Tetrachloroethene
Concen: 29.152 ug/L
RT: 8.552 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU047672.D
Acq: 25 Mar 2022 14:44

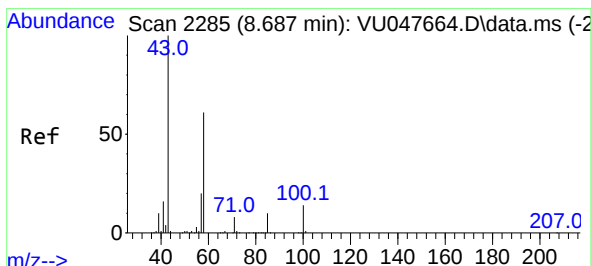
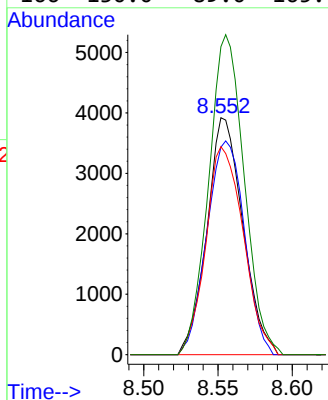
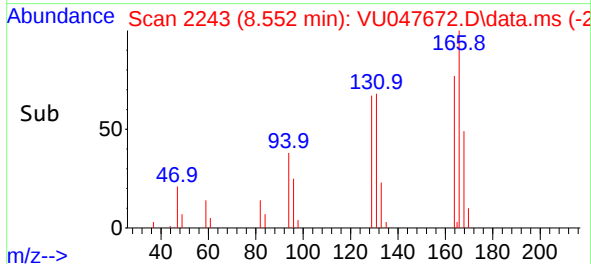
Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL



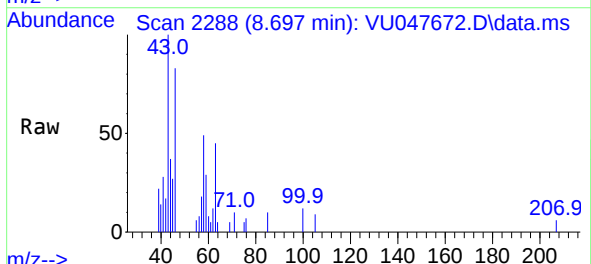
Tgt Ion:164 Resp: 6599
Ion Ratio Lower Upper
164 100
129 87.6 62.4 116.0
131 87.8 60.7 112.7
166 130.0 89.0 165.4

Manual Integrations
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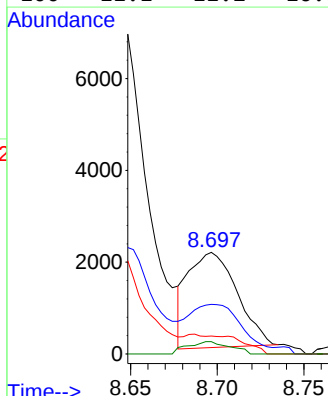
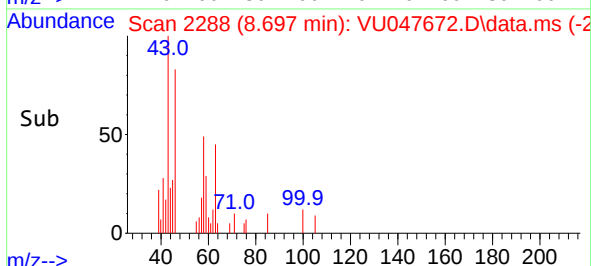
Reviewed By :John Carlone 03/26/2022
Supervised By :Mahesh Dadoda 03/28/2022

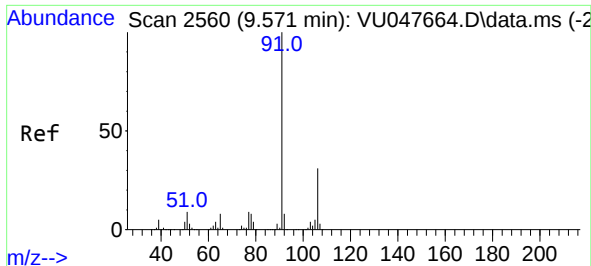


#48
2-Hexanone
Concen: 12.344 ug/L
RT: 8.697 min Scan# 2288
Delta R.T. 0.010 min
Lab File: VU047672.D
Acq: 25 Mar 2022 14:44



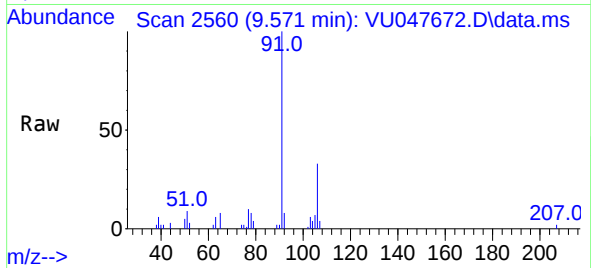
Tgt Ion: 43 Resp: 4099
Ion Ratio Lower Upper
43 100
58 45.1 48.1 72.1#
57 0.0 16.2 24.4#
100 11.1 11.2 16.8#





#52
Ethylbenzene
Concen: 12.704 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU047672.D
Acq: 25 Mar 2022 14:44

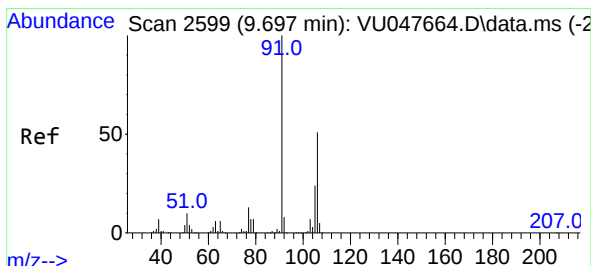
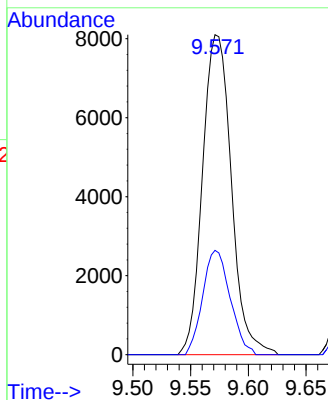
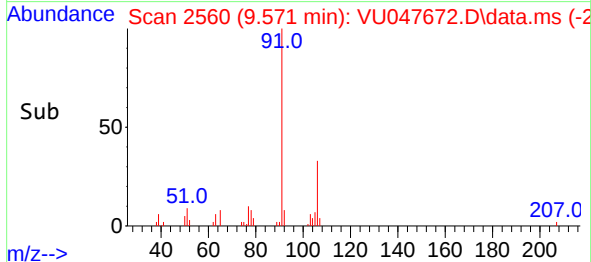
Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL



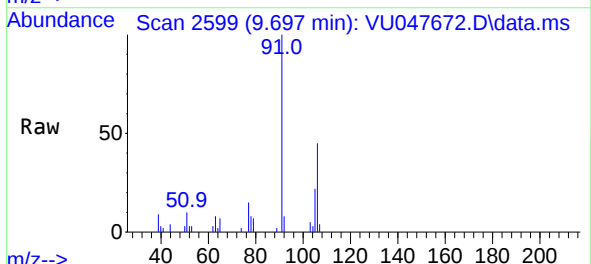
Tgt Ion: 91 Resp: 1408
Ion Ratio Lower Upper
91 100
106 32.6 22.4 41.6

Manual Integrations
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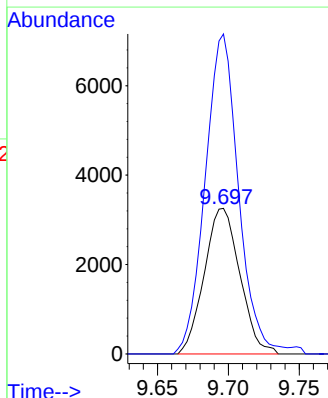
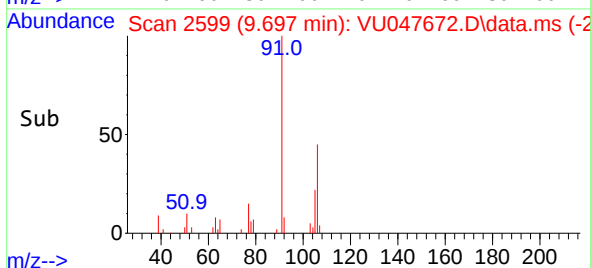
Reviewed By :John Carlone 03/26/2022
Supervised By :Mahesh Dadoda 03/28/2022

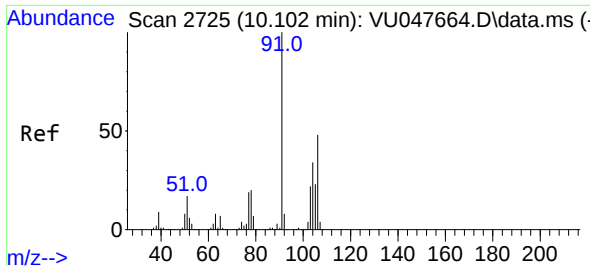


#53
m,p-Xylene
Concen: 13.087 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU047672.D
Acq: 25 Mar 2022 14:44



Tgt Ion:106 Resp: 5692
Ion Ratio Lower Upper
106 100
91 219.8 137.7 255.7





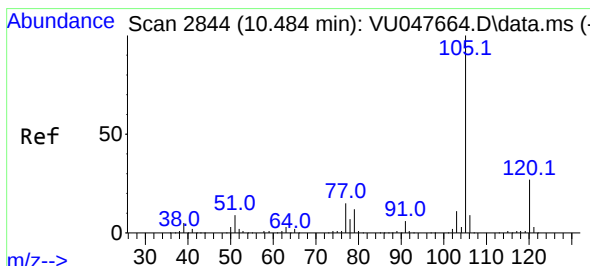
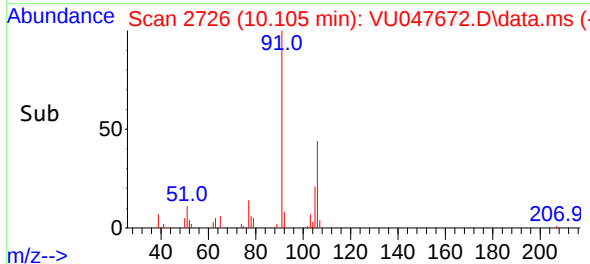
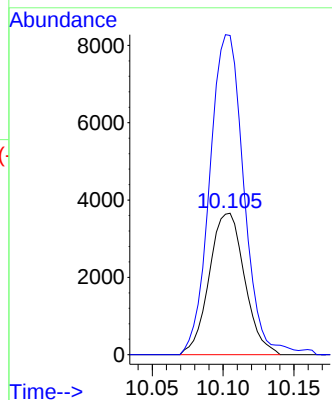
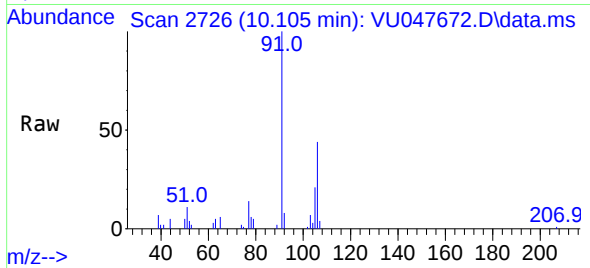
#54
o-Xylene
Concen: 14.891 ug/L
RT: 10.105 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU047672.D
Acq: 25 Mar 2022 14:44

Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL

Tgt Ion:106 Resp: 635
Ion Ratio Lower Upper
106 100
91 225.6 146.7 272.5

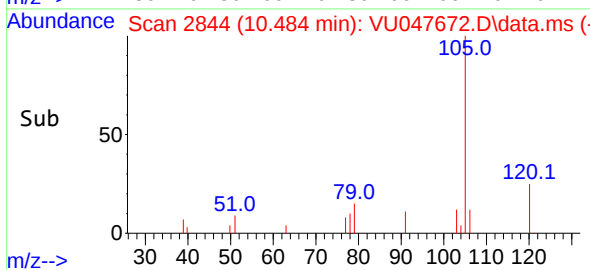
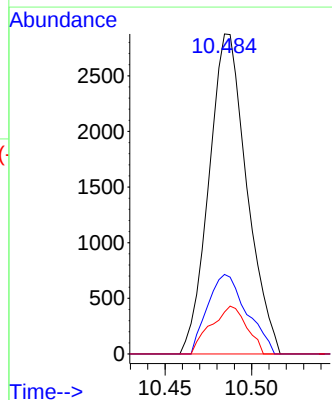
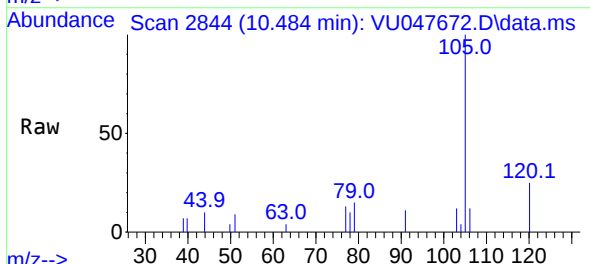
Manual Integrations
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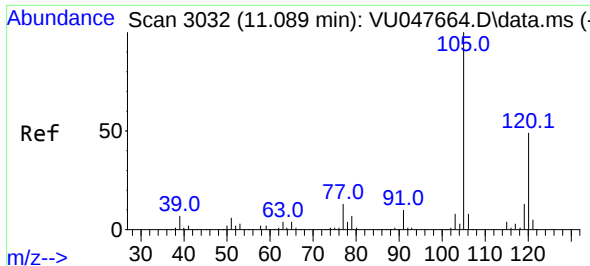
Reviewed By :John Carlone 03/26/2022
Supervised By :Mahesh Dadoda 03/28/2022



#61
Isopropylbenzene
Concen: 3.854 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU047672.D
Acq: 25 Mar 2022 14:44

Tgt Ion:105 Resp: 4364
Ion Ratio Lower Upper
105 100
120 25.8 21.9 32.9
77 14.2 12.1 18.1





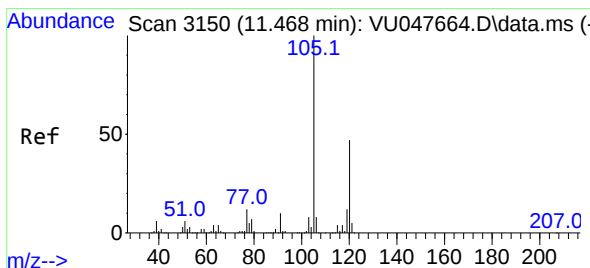
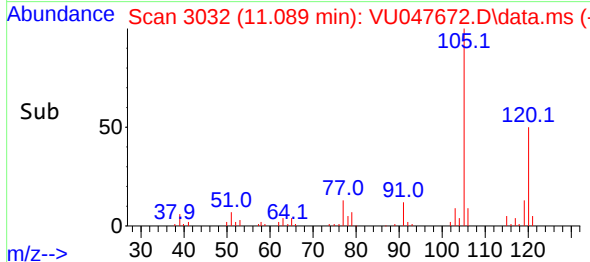
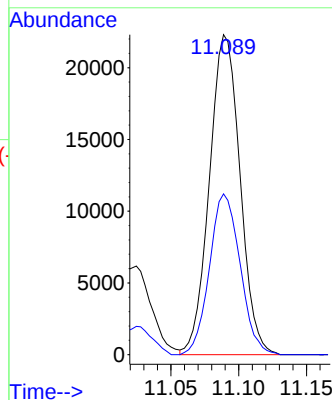
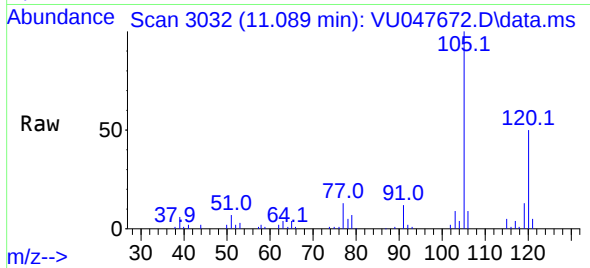
#62
1,3,5-Trimethylbenzene
Concen: 57.133 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU047672.D
Acq: 25 Mar 2022 14:44

Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL

Tgt Ion:105 Resp: 3510
Ion Ratio Lower Upper
105 100
120 50.2 40.8 61.2

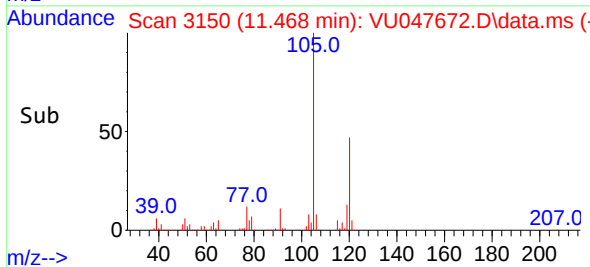
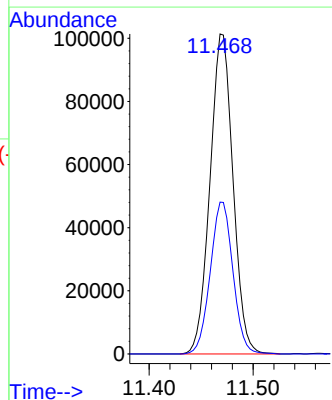
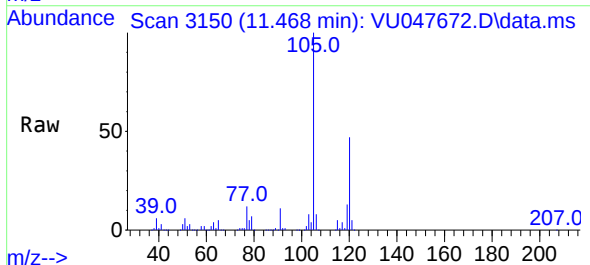
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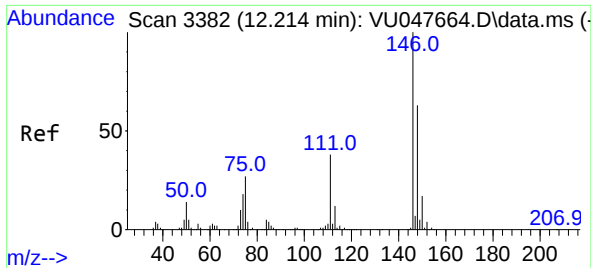
Reviewed By :John Carlone 03/26/2022
Supervised By :Mahesh Dadoda 03/28/2022



#63
1,2,4-Trimethylbenzene
Concen: 167.077 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU047672.D
Acq: 25 Mar 2022 14:44

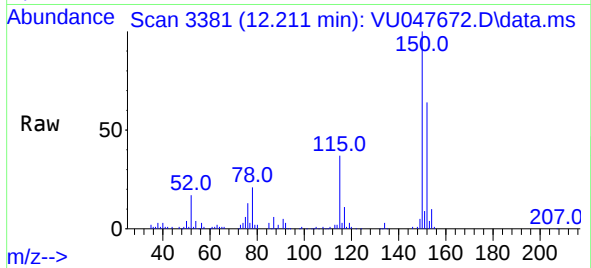
Tgt Ion:105 Resp: 155930
Ion Ratio Lower Upper
105 100
120 46.8 37.6 56.4





#67
1,2-Dichlorobenzene
Concen: 1.354 ug/L
RT: 12.211 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU047672.D
Acq: 25 Mar 2022 14:44

Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL



Tgt Ion:	146	Resp:	85
Ion	Ratio	Lower	Upper
146	100		
111	124.7	31.7	47.5
148	91.8	51.4	77.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2022
Supervised By :Mahesh Dadoda 03/28/2022

