

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030822\
 Data File : VU047394.D
 Acq On : 08 Mar 2022 16:14
 Operator : SY/MD
 Sample : N1840-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFY21

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/09/2022
 Supervised By : Mahesh Dadoda 03/09/2022

Quant Time: Mar 09 03:04:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 09 02:01:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.279	114	166814	5.000	ug/L	0.03
28) Chlorobenzene-d5	9.423	117	161637	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	91453	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.607	65	38168	3.224	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.400%
7) Chloroethane-d5	1.925	69	41068	4.158	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.200%
11) 1,1-Dichloroethene-d2	2.575	65	17342	3.468	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.400%
20) 2-Butanone-d5	4.735	46	164209	42.247	ug/L	0.09
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.500%
24) Chloroform-d	5.076	84	92540	4.230	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	5.726	65	54548	4.443	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
32) Benzene-d6	5.742	84	172685	3.793	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.800%
36) 1,2-Dichloropropane-d6	6.716	67	60922	4.297	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.000%
41) Toluene-d8	7.912	98	148240	3.449	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.000%#
43) trans-1,3-Dichloroprop...	8.192	79	23941	3.843	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.800%
46) 2-Hexanone-d5	8.652	63	172886	48.755	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.520%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	64095	4.437	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	73223	4.086	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.800%
Target Compounds						
5) Vinyl chloride	1.613	62	2362	0.214	ug/L #	69
12) 1,1-Dichloroethene	2.584	96	4725	0.578	ug/L #	1
13) Acetone	2.748	43	50071m	31.913	ug/L	
17) Methyl tert-butyl Ether	3.395	73	393017	17.951	ug/L	98
18) trans-1,2-Dichloroethene	3.362	96	976	0.110	ug/L #	72
19) 1,1-Dichloroethane	3.874	63	5603	0.379	ug/L	93
21) 2-Butanone	4.809	43	8100	2.716	ug/L	91
22) cis-1,2-Dichloroethene	4.674	96	209011	21.622	ug/L	94
29) 1,1,1-Trichloroethane	5.324	97	1381	0.102	ug/L #	89
33) Benzene	5.790	78	227442	6.235	ug/L	100
34) Trichloroethene	6.565	95	120752	12.594	ug/L	93
42) Toluene	7.983	91	18423	0.466	ug/L	99
47) Tetrachloroethene	8.562	164	142951	17.502	ug/L	91
52) Ethylbenzene	9.574	91	3934	0.093	ug/L	94
53) m,p-Xylene	9.697	106	2114	0.126	ug/L	98
63) 1,2,4-Trimethylbenzene	11.471	105	4619m	0.129	ug/L	

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

Instrument :

MSVOA_U

ClientSampleId :

BFY21

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 03/09/2022

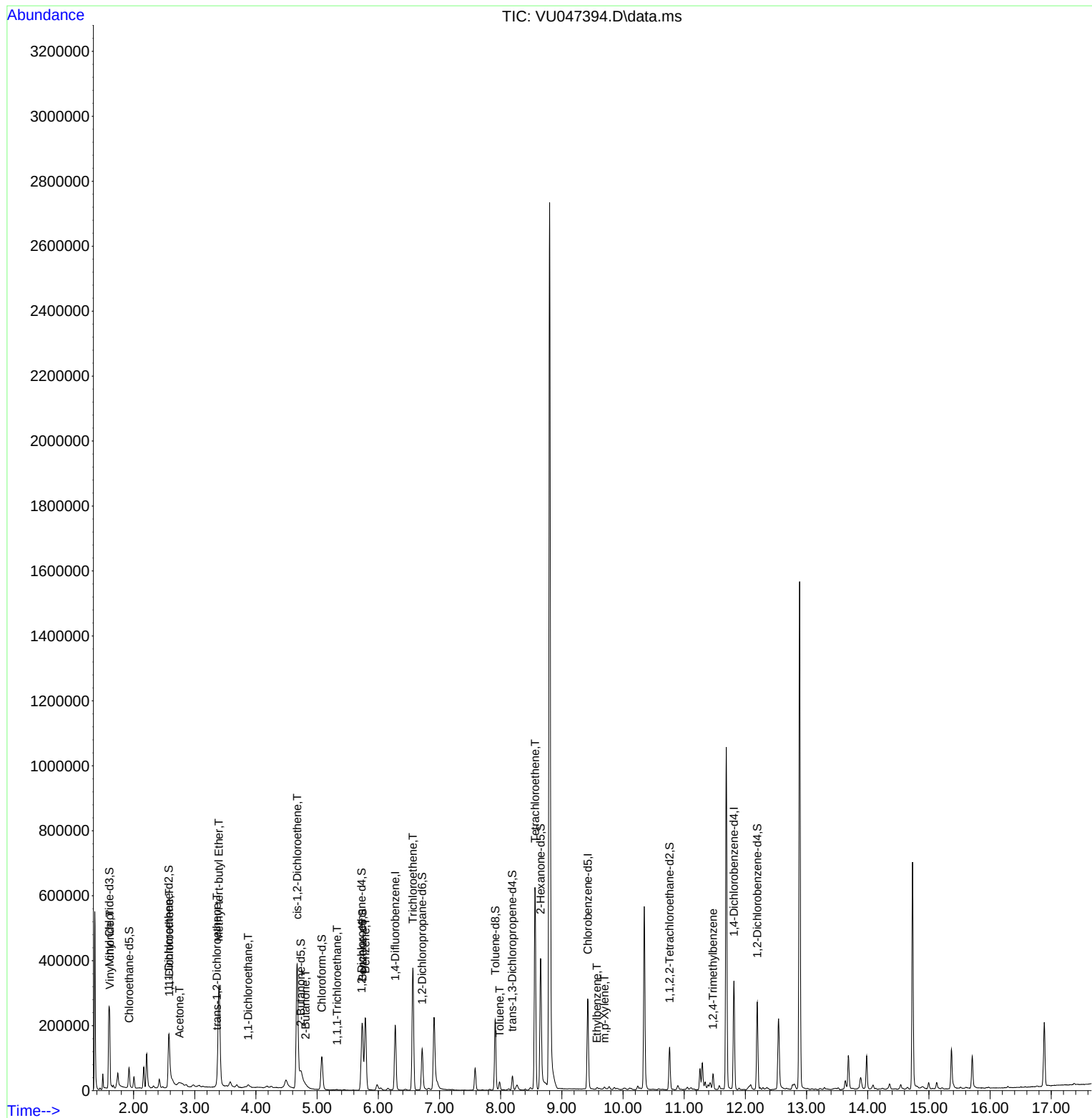
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030822\
Data File : VU047394.D
Acq On : 08 Mar 2022 16:14
Operator : SY/MD
Sample : N1840-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

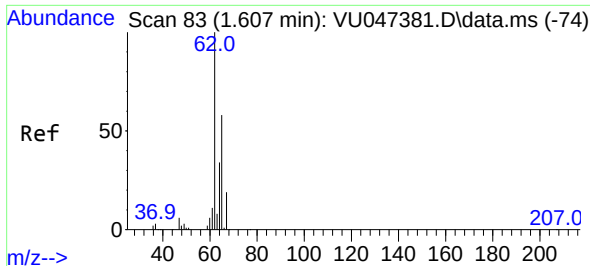
Instrument :
MSVOA_U
ClientSampleId :
BFY21

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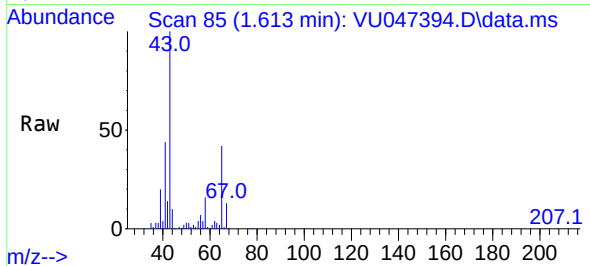
Quant Time: Mar 09 03:04:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030422WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Mar 09 02:01:55 2022
Response via : Initial Calibration





#5
 Vinyl chloride
 Concen: 0.214 ug/L
 RT: 1.613 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VU047394.D
 Acq: 08 Mar 2022 16:14

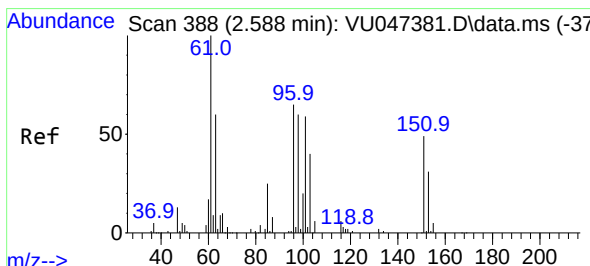
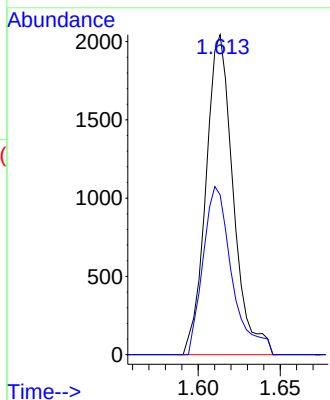
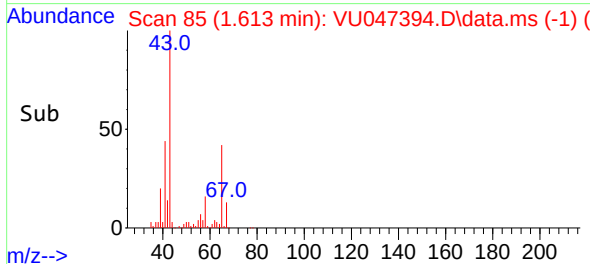
Instrument :
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 ClientSampleId :
 BFY21



Tgt Ion: 62 Resp: 2362
 Ion Ratio Lower Upper
 62 100
 64 50.0 22.9 42.5

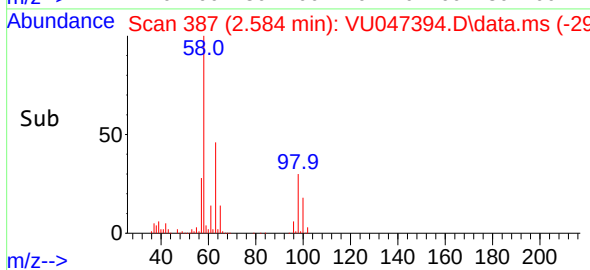
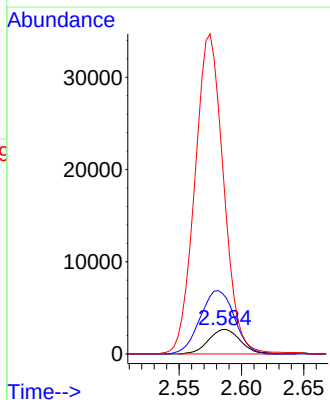
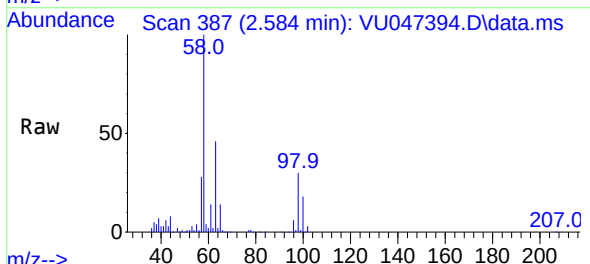
Manual Integrations
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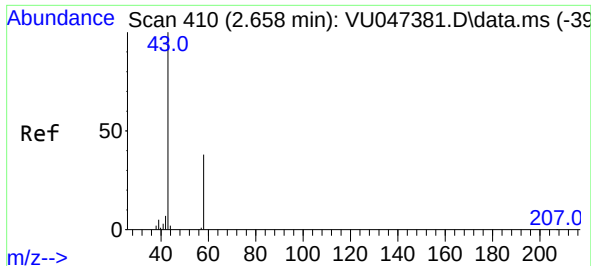
Reviewed By :John Carlone 03/09/2022
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#12
 1,1-Dichloroethene
 Concen: 0.578 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU047394.D
 Acq: 08 Mar 2022 16:14

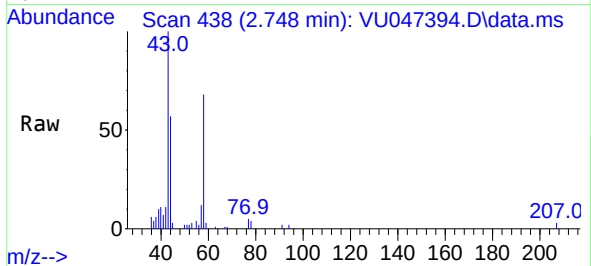
Tgt Ion: 96 Resp: 4725
 Ion Ratio Lower Upper
 96 100
 61 249.2 124.7 231.5#
 63 806.3 105.2 195.4#





#13
Acetone
Concen: 31.913 ug/L m
RT: 2.748 min Scan# 410
Delta R.T. 0.090 min
Lab File: VU047394.D
Acq: 08 Mar 2022 16:14

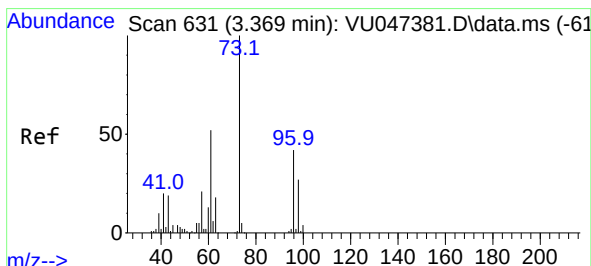
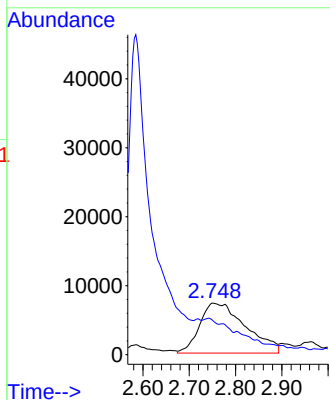
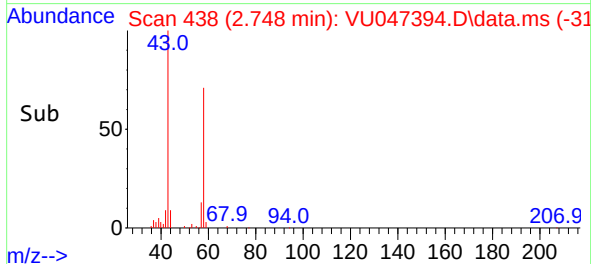
Instrument :
MSVOA_U
ClientSampleId :
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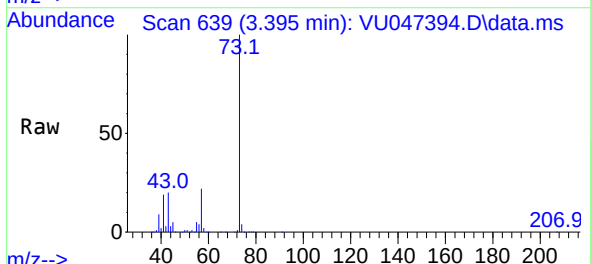
Tgt Ion: 43 Resp: 5007
Ion Ratio Lower Upper
43 100
58 0.0 0.0 71.6

Manual Integrations
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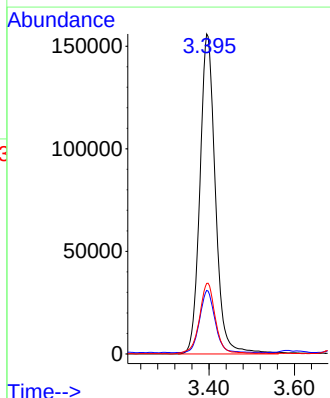
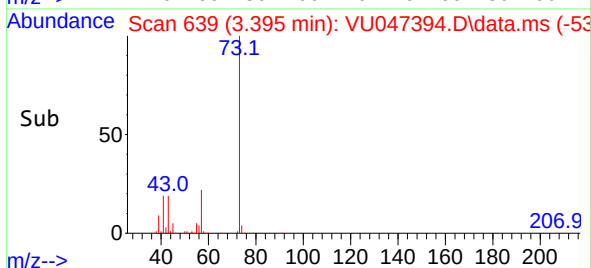
Reviewed By :John Carlone 03/09/2022
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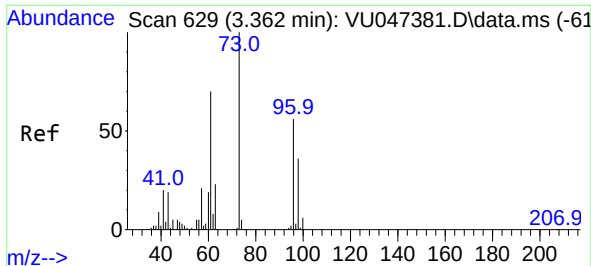


#17
Methyl tert-butyl Ether
Concen: 17.951 ug/L
RT: 3.395 min Scan# 639
Delta R.T. 0.026 min
Lab File: VU047394.D
Acq: 08 Mar 2022 16:14



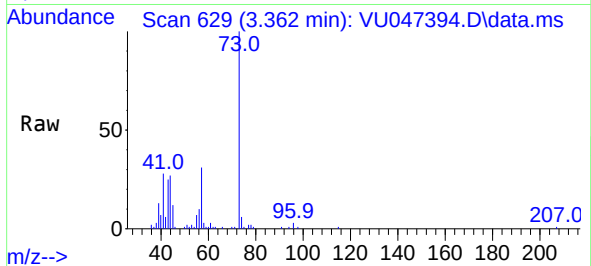
Tgt Ion: 73 Resp: 393017
Ion Ratio Lower Upper
73 100
43 19.1 14.8 22.2
57 23.0 17.4 26.0





#18
trans-1,2-Dichloroethene
Concen: 0.110 ug/L
RT: 3.362 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU047394.D
Acq: 08 Mar 2022 16:14

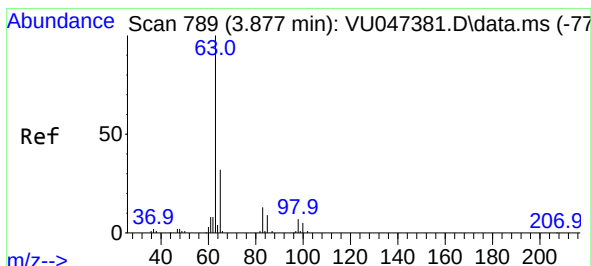
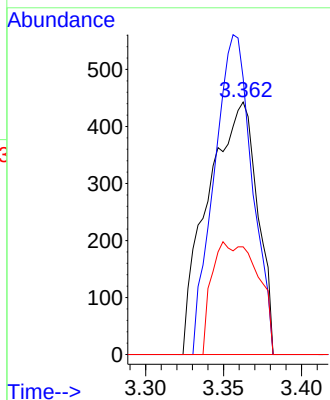
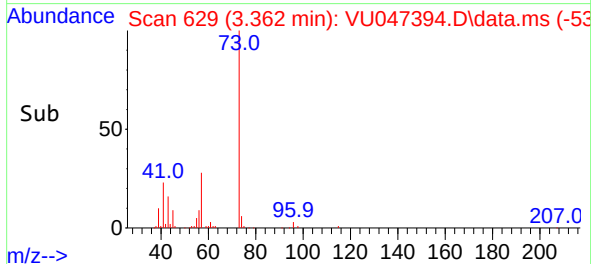
Instrument :
MSVOA_U
ClientSampleId :
BFY21



Tgt Ion: 96 Resp: 970
Ion Ratio Lower Upper
96 100
61 109.5 100.8 187.2
98 42.7 45.1 83.7

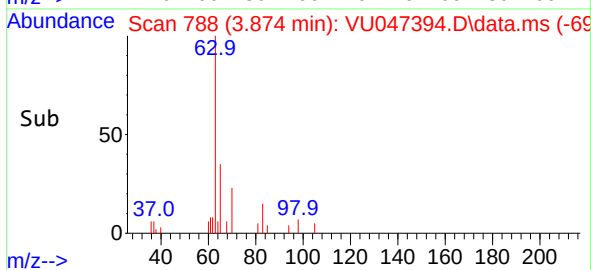
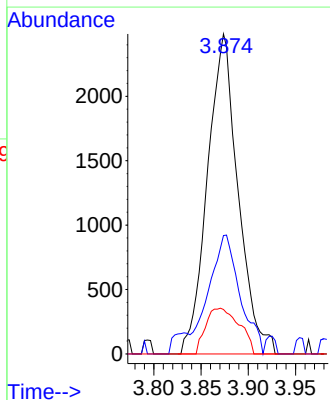
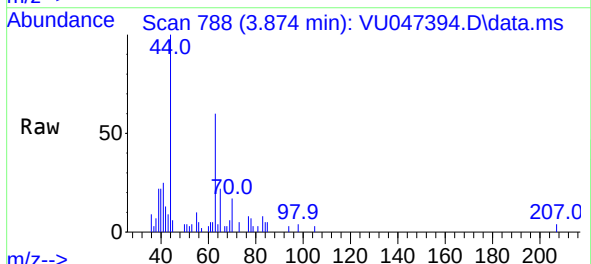
Manual Integrations
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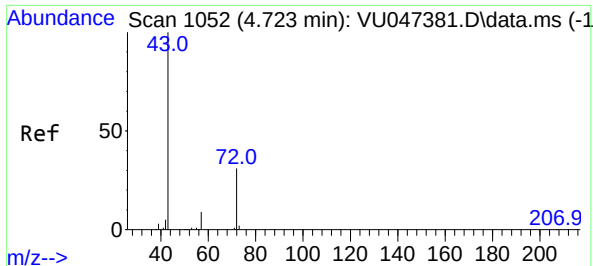
Reviewed By :John Carlone 03/09/2022
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#19
1,1-Dichloroethane
Concen: 0.379 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU047394.D
Acq: 08 Mar 2022 16:14

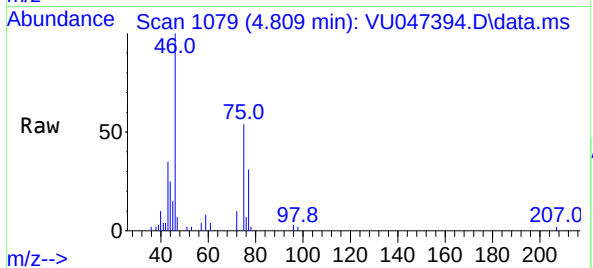
Tgt Ion: 63 Resp: 5603
Ion Ratio Lower Upper
63 100
65 37.0 22.3 41.5
83 13.9 9.6 17.8





#21
2-Butanone
Concen: 2.716 ug/L
RT: 4.809 min Scan# 1052
Delta R.T. 0.087 min
Lab File: VU047394.D
Acq: 08 Mar 2022 16:14

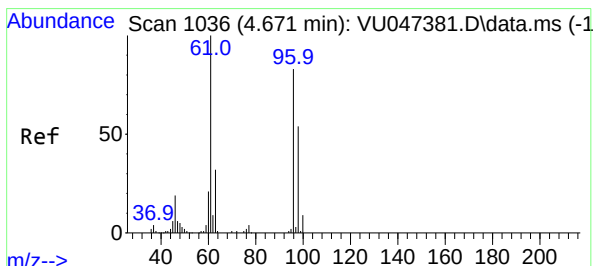
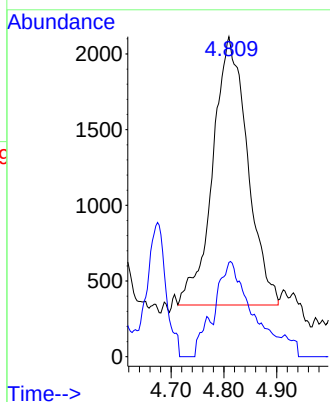
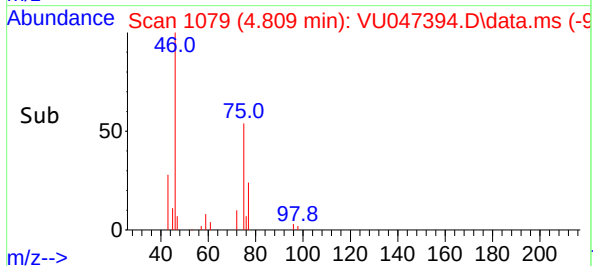
Instrument :
MSVOA_U
ClientSampleId :
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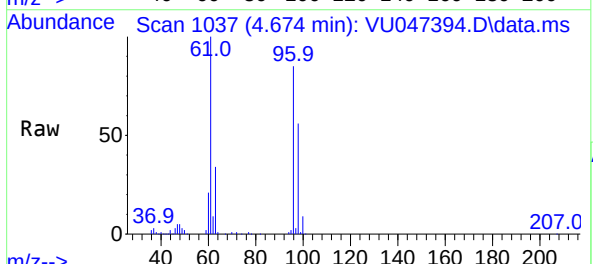
Tgt Ion: 43 Resp: 8100
Ion Ratio Lower Upper
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72 33.1 14.1 42.3

Manual Integrations
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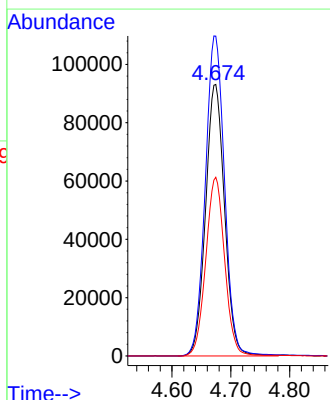
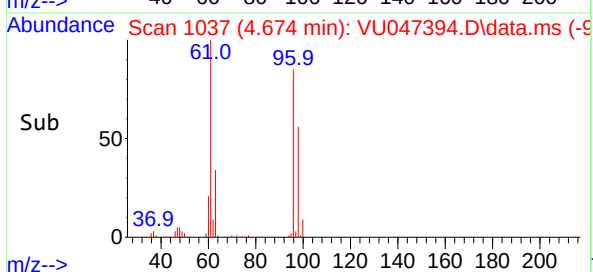
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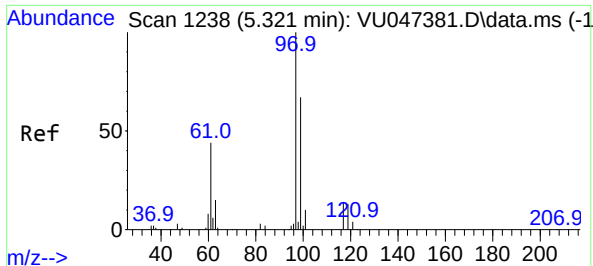


#22
cis-1,2-Dichloroethene
Concen: 21.622 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. 0.003 min
Lab File: VU047394.D
Acq: 08 Mar 2022 16:14



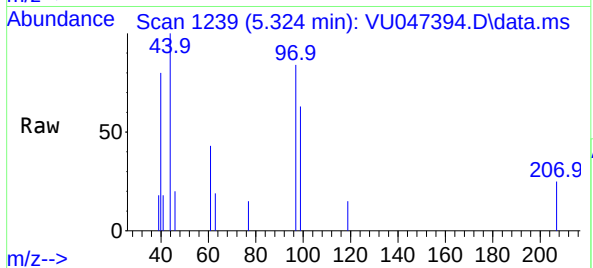
Tgt Ion: 96 Resp: 209011
Ion Ratio Lower Upper
96 100
61 117.8 88.5 164.3
98 65.8 44.4 82.5





#29
1,1,1-Trichloroethane
Concen: 0.102 ug/L
RT: 5.324 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VU047394.D
Acq: 08 Mar 2022 16:14

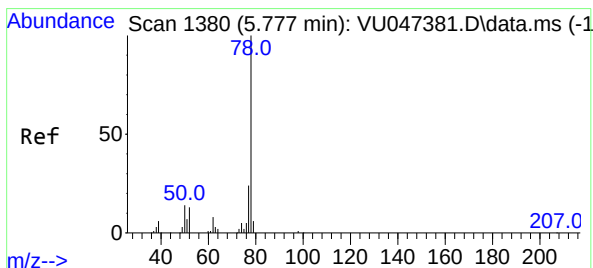
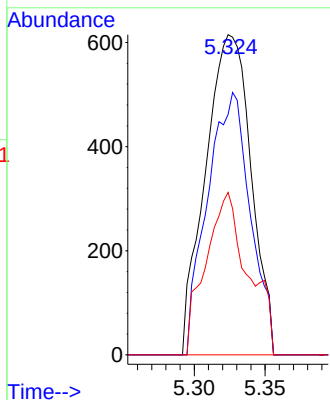
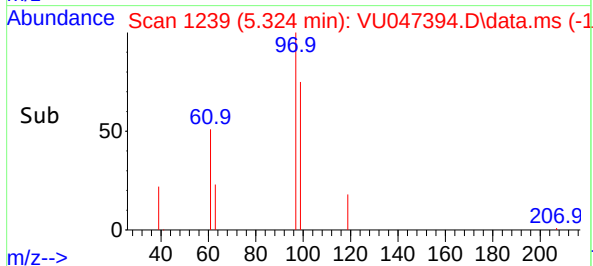
Instrument :
MSVOA_U
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Tgt Ion: 97 Resp: 138
Ion Ratio Lower Upper
97 100
99 77.0 51.3 76.9
61 47.1 36.1 54.1

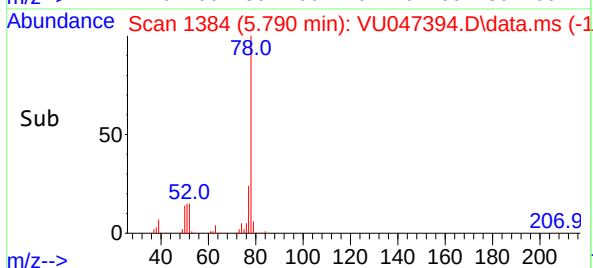
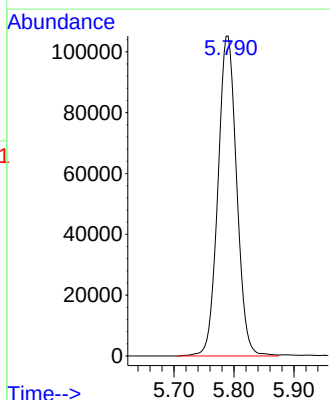
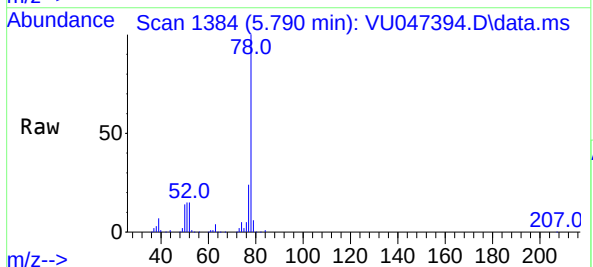
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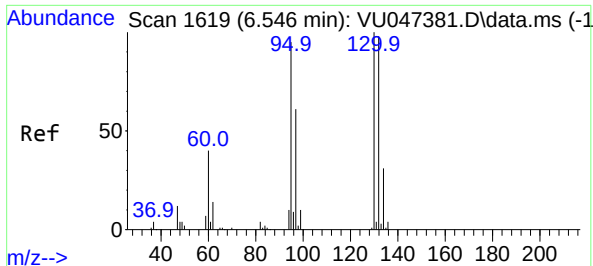
Reviewed By :John Carlone 03/09/2022
Supervised By :Mahesh Dadoda 03/09/2022



#33
Benzene
Concen: 6.235 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. 0.013 min
Lab File: VU047394.D
Acq: 08 Mar 2022 16:14

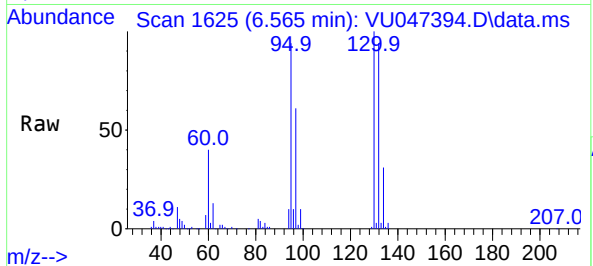
Tgt Ion: 78 Resp: 227442





#34
Trichloroethene
Concen: 12.594 ug/L
RT: 6.565 min Scan# 10
Delta R.T. 0.019 min
Lab File: VU047394.D
Acq: 08 Mar 2022 16:14

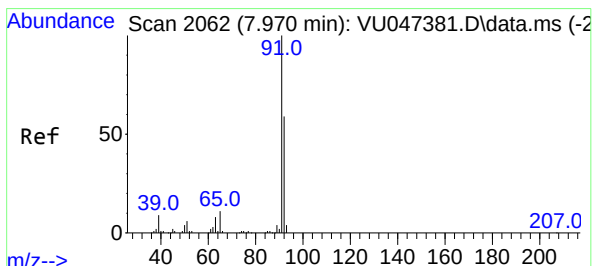
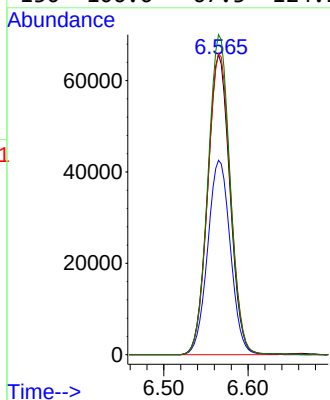
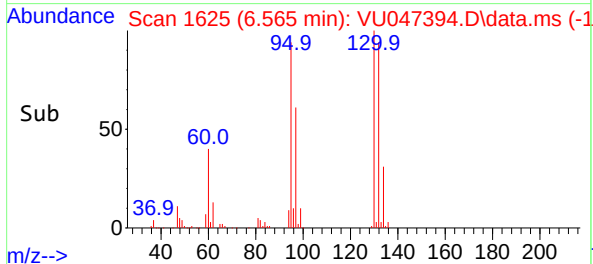
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Tgt Ion: 95 Resp: 120752
Ion Ratio Lower Upper
95 100
97 64.7 46.5 86.5
132 100.3 65.1 120.9
130 106.6 67.3 124.9

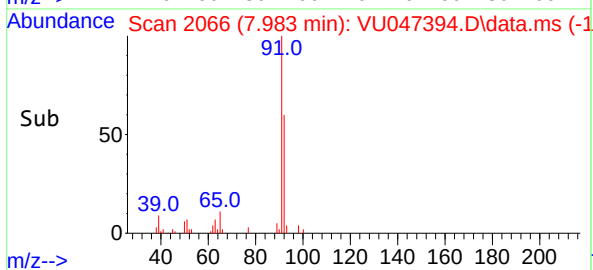
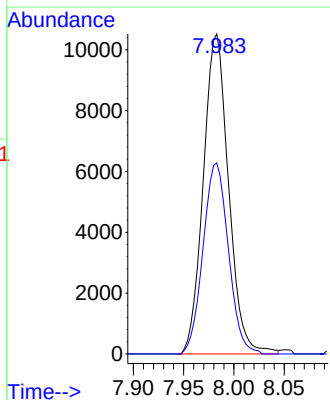
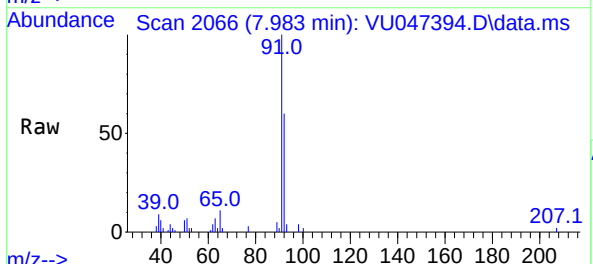
Manual Integrations
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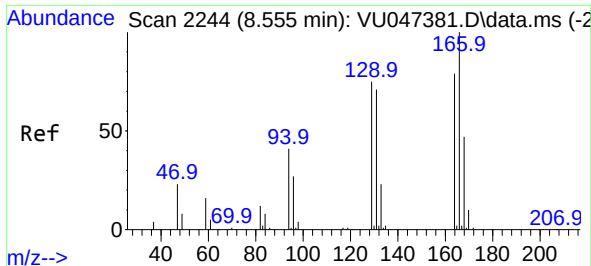
Reviewed By :John Carlone 03/09/2022
Supervised By :Mahesh Dadoda 03/09/2022



#42
Toluene
Concen: 0.466 ug/L
RT: 7.983 min Scan# 2066
Delta R.T. 0.013 min
Lab File: VU047394.D
Acq: 08 Mar 2022 16:14

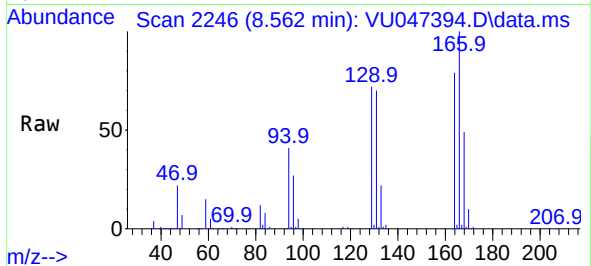
Tgt Ion: 91 Resp: 18423
Ion Ratio Lower Upper
91 100
92 59.7 41.3 76.7





#47
Tetrachloroethene
Concen: 17.502 ug/L
RT: 8.562 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU047394.D
Acq: 08 Mar 2022 16:14

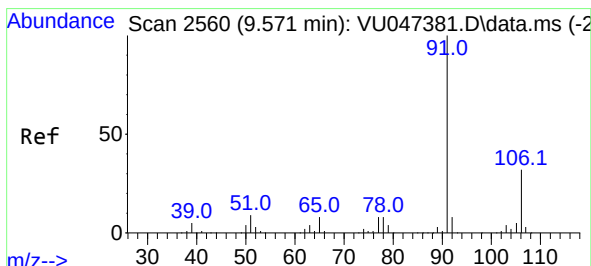
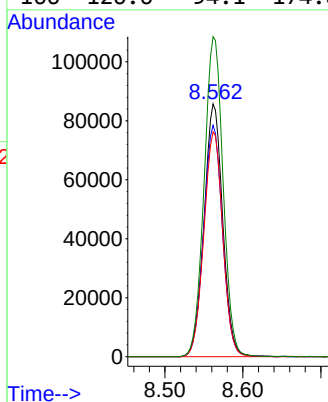
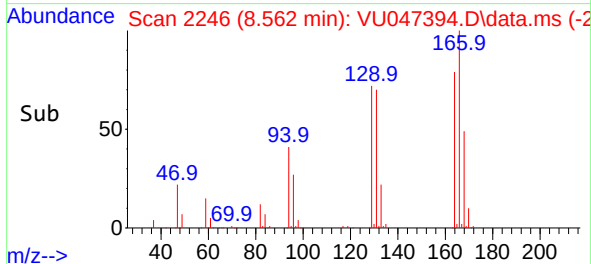
Instrument :
MSVOA_U
ClientSampleId :
BFY21



Tgt Ion:164 Resp: 14295
Ion Ratio Lower Upper
164 100
129 91.6 71.8 133.4
131 88.9 68.5 127.3
166 126.6 94.1 174.8

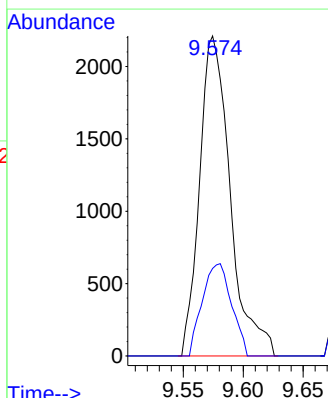
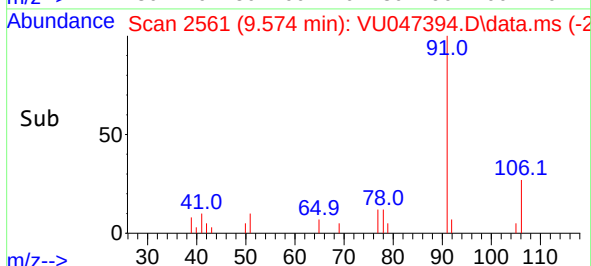
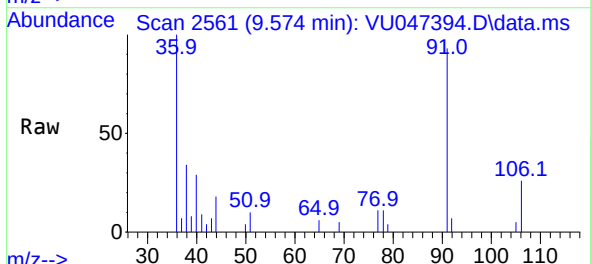
Manual Integrations
APPROVED

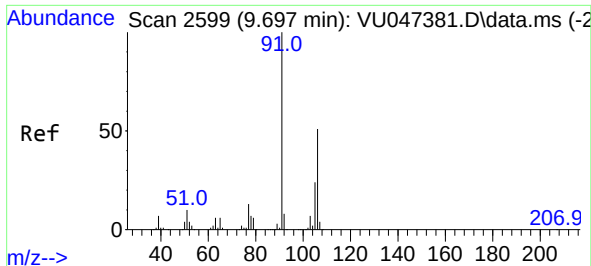
Reviewed By :John Carlone 03/09/2022
Supervised By :Mahesh Dadoda 03/09/2022



#52
Ethylbenzene
Concen: 0.093 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. 0.003 min
Lab File: VU047394.D
Acq: 08 Mar 2022 16:14

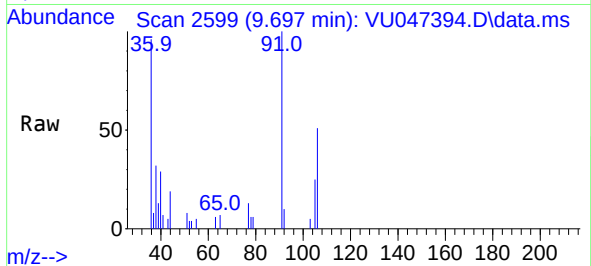
Tgt Ion: 91 Resp: 3934
Ion Ratio Lower Upper
91 100
106 27.4 21.5 39.9





#53
m,p-Xylene
Concen: 0.126 ug/L
RT: 9.697 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VU047394.D
Acq: 08 Mar 2022 16:14

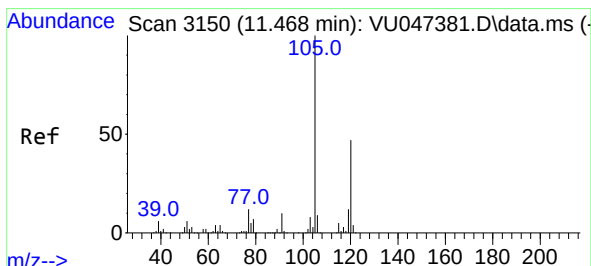
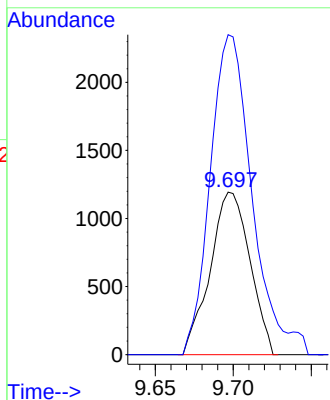
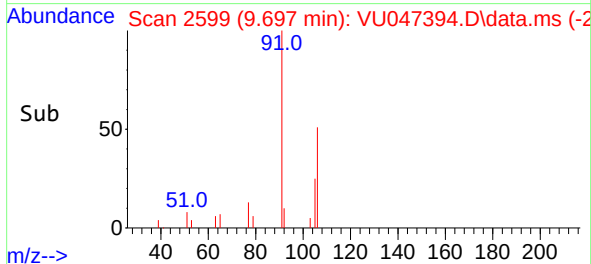
Instrument :
MSVOA_U
ClientSampleId :
BFY21



Tgt Ion:106 Resp: 2114
Ion Ratio Lower Upper
106 100
91 196.8 139.4 259.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/09/2022
Supervised By :Mahesh Dadoda 03/09/2022



#63
1,2,4-Trimethylbenzene
Concen: 0.129 ug/L m
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU047394.D
Acq: 08 Mar 2022 16:14

Tgt Ion:105 Resp: 4619
Ion Ratio Lower Upper
105 100
120 1.5 35.8 53.8#

