

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
 Data File : VU046196.D
 Acq On : 08 Dec 2021 23:20
 Operator : SY/MD
 Sample : M4983-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N9

Quant Time: Dec 09 04:36:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

Manual Integrations
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Reviewed By :John
 Carlone

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	215063	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	213158	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	113710	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	56320	31.791	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.580%
7) Chloroethane-d5	1.919	69	46738	34.361	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	68.720%#
11) 1,1-Dichloroethene-d2	2.581	63	159820	50.253	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.500%
21) 2-Butanone-d5	4.649	46	129834	92.191	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.190%
24) Chloroform-d	5.067	84	124930	42.228	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.460%
26) 1,2-Dichloroethane-d4	5.706	65	81440	41.018	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.040%
32) Benzene-d6	5.732	84	248974	40.752	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.500%
36) 1,2-Dichloropropane-d6	6.694	67	80087	42.297	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.600%
41) Toluene-d8	7.899	98	232275	41.756	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.520%
43) trans-1,3-Dichloroprop...	8.179	79	42851	46.882	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.760%
47) 2-Hexanone-d5	8.632	63	103559	115.354	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.350%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	133554	46.511	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.020%
66) 1,2-Dichlorobenzene-d4	12.195	152	99008	45.212	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.420%
Target Compounds						
						Qvalue
5) Vinyl chloride	1.610	62	43800m	20.756	ug/L	
8) Chloroethane	1.938	64	31447	25.738	ug/L	99
9) Trichlorofluoromethane	2.147	101	3887	1.411	ug/L	93
12) 1,1-Dichloroethene	2.588	96	152062m	102.258	ug/L	
13) Acetone	2.658	43	32168	18.276	ug/L	96
14) Carbon disulfide	2.809	76	71358	15.467	ug/L	98
17) trans-1,2-Dichloroethene	3.363	96	77118	49.005	ug/L	99
19) 1,1-Dichloroethane	3.877	63	5743889	2007.448	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	11282483	6607.473	ug/L	95
27) 1,2-Dichloroethane	5.797	62	65065	27.581	ug/L	99
29) Cyclohexane	5.388	56	5853	2.358	ug/L	99
30) 1,1,1-Trichloroethane	5.324	97	4005819	1530.968	ug/L	98
33) Benzene	5.777	78	44741	6.935	ug/L	100
34) Trichloroethene	6.542	95	17274	10.164	ug/L	98
35) Methylcyclohexane	6.768	83	17138	6.503	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	84809	34.155	ug/L	98
42) Toluene	7.970	91	1023258	147.814	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	6750	3.981	ug/L	98
46) Tetrachloroethene	8.555	164	17856	14.296	ug/L	97

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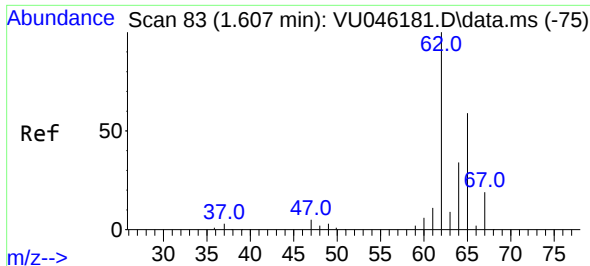
Quant Time: Dec 09 04:36:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.571	91	690160	92.636	ug/L	98
53) m,p-Xylene	9.693	106	1063755	366.120	ug/L	98
54) o-xylene	10.102	106	567058	201.136	ug/L	96
61) Isopropylbenzene	10.484	105	126091	17.043	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	926159	150.188	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	3894329	631.203	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	9840	2.780	ug/L	99

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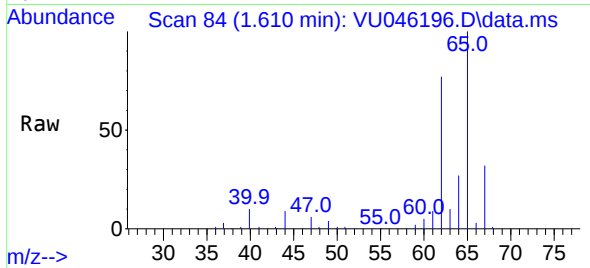
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 20.756 ug/L m
 RT: 1.610 min Scan# 84
 Delta R.T. 0.003 min
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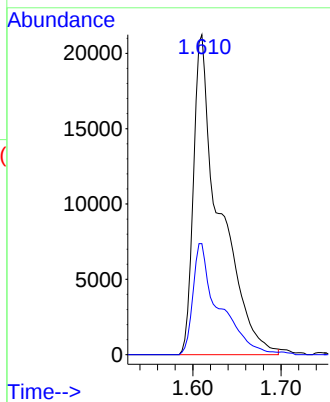
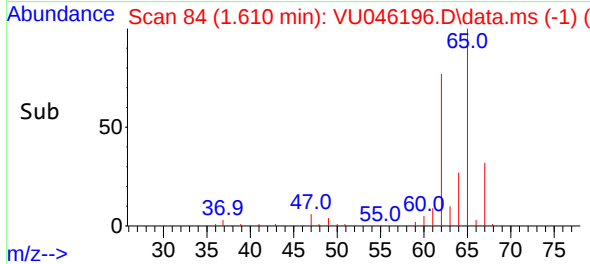
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N9



Tgt Ion: 62 Resp: 43800
 Ion Ratio Lower Upper
 62 100
 64 34.7 22.9 42.5

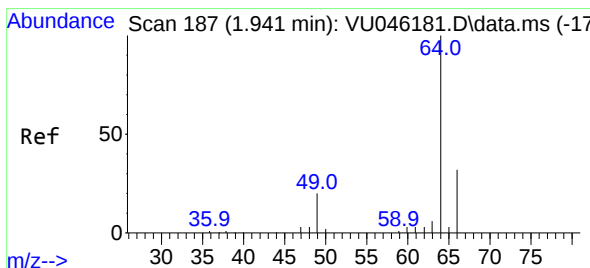
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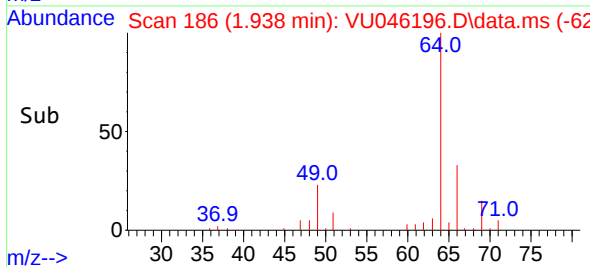
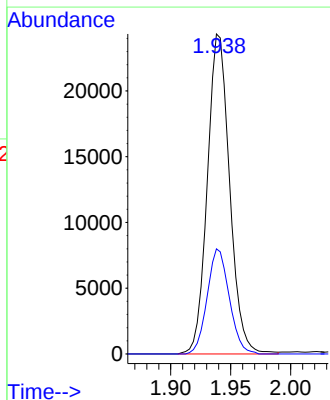
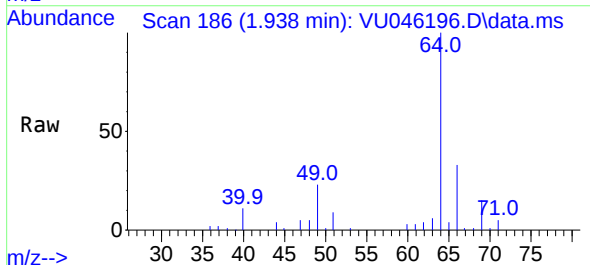
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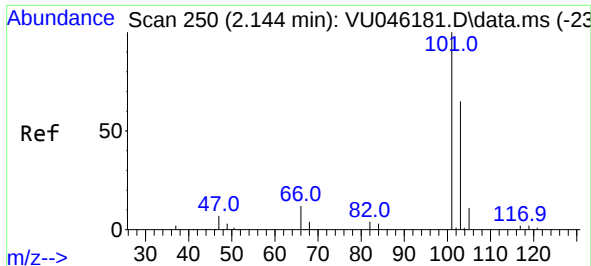
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#8
 Chloroethane
 Concen: 25.738 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU046196.D
 Acq: 08 Dec 2021 23:20

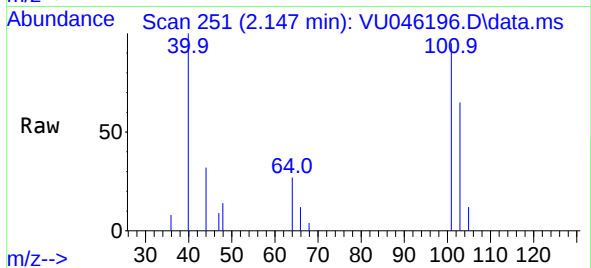
Tgt Ion: 64 Resp: 31447
 Ion Ratio Lower Upper
 64 100
 66 32.8 22.5 41.9





#9
Trichlorofluoromethane
Concen: 1.411 ug/L
RT: 2.147 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20

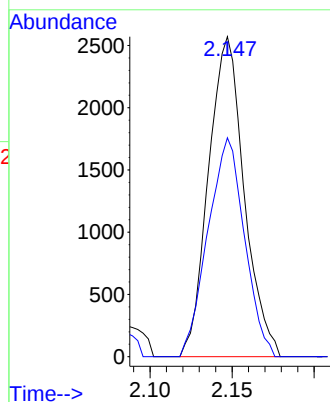
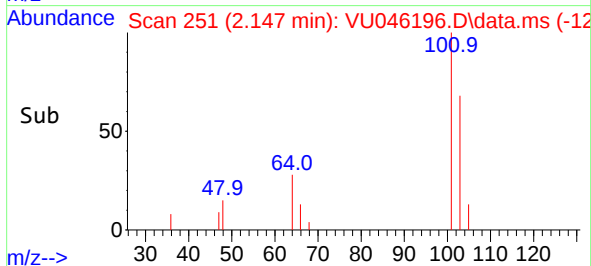
Instrument :
MSVOA_U
ClientSampleId :
EW5N9



Tgt Ion:101 Resp: 388
Ion Ratio Lower Upper
101 100
103 70.0 51.8 77.6

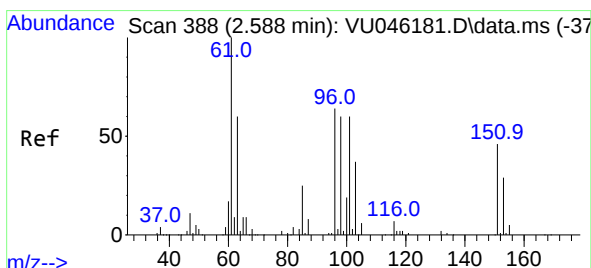
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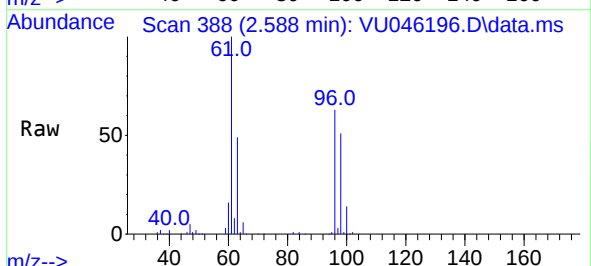


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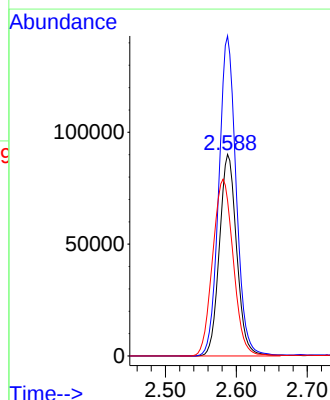
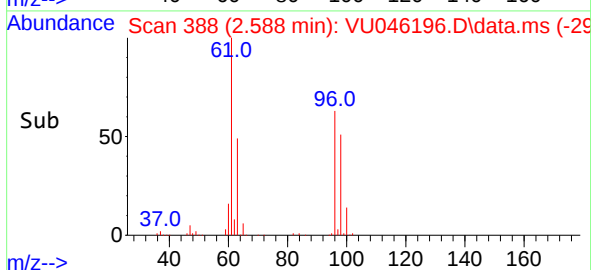
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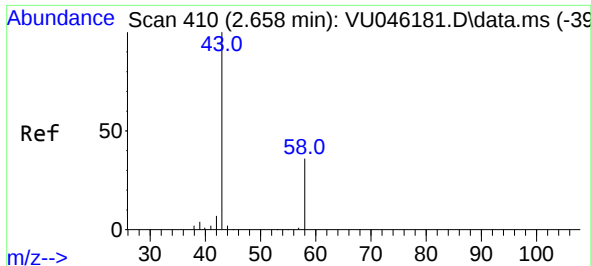


#12
1,1-Dichloroethene
Concen: 102.258 ug/L m
RT: 2.588 min Scan# 388
Delta R.T. 0.003 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20



Tgt Ion: 96 Resp: 152062
Ion Ratio Lower Upper
96 100
61 158.8 118.6 220.2
63 77.2 93.0 172.8#





#13

Acetone

Concen: 18.276 ug/L

RT: 2.658 min Scan# 410

Delta R.T. -0.003 min

Lab File: VU046196.D

Acq: 08 Dec 2021 23:20

Instrument :

MSVOA_U

ClientSampleId :

EW5N9

Tgt Ion: 43 Resp: 3216

Ion Ratio Lower Upper

43 100

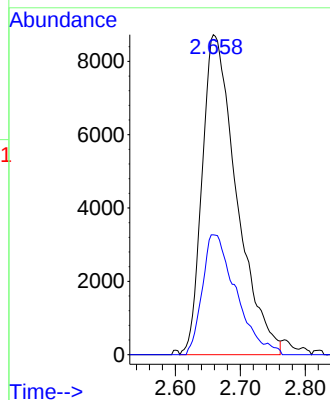
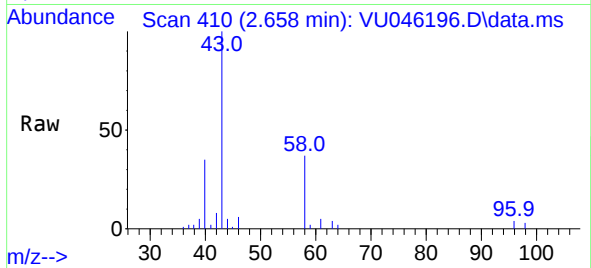
58 35.8 0.0 66.8

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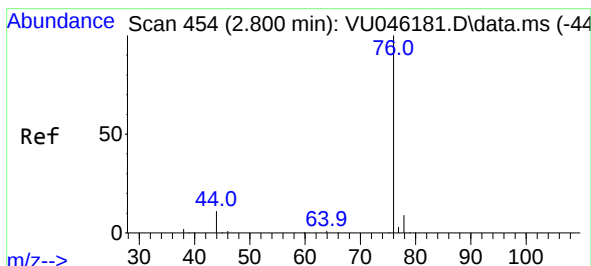
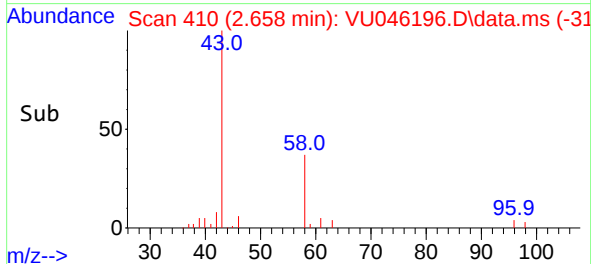


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#14

Carbon disulfide

Concen: 15.467 ug/L

RT: 2.809 min Scan# 457

Delta R.T. 0.010 min

Lab File: VU046196.D

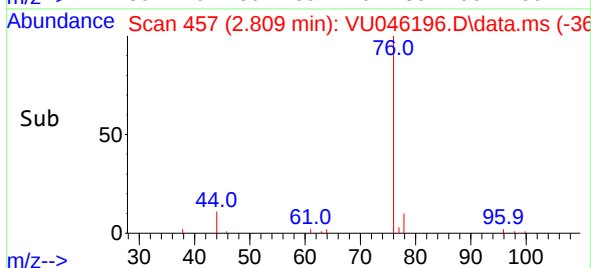
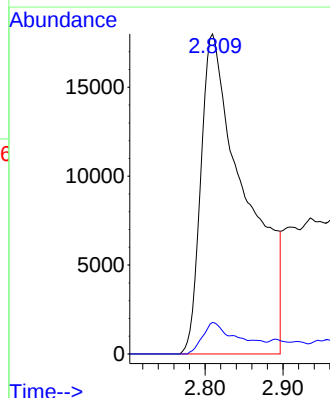
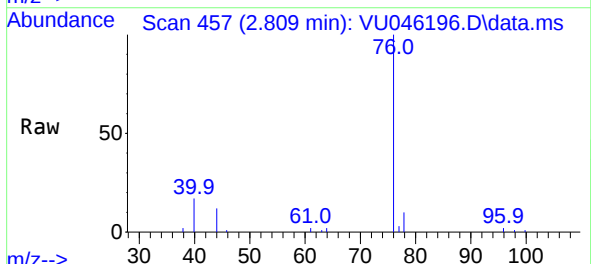
Acq: 08 Dec 2021 23:20

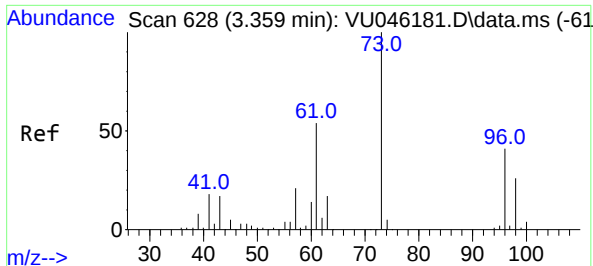
Tgt Ion: 76 Resp: 71358

Ion Ratio Lower Upper

76 100

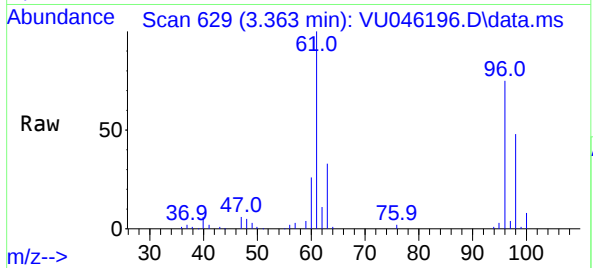
78 9.9 7.3 10.9





#17
trans-1,2-Dichloroethene
Concen: 49.005 ug/L
RT: 3.363 min Scan# 611
Delta R.T. 0.003 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20

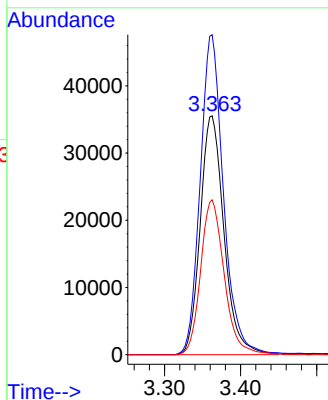
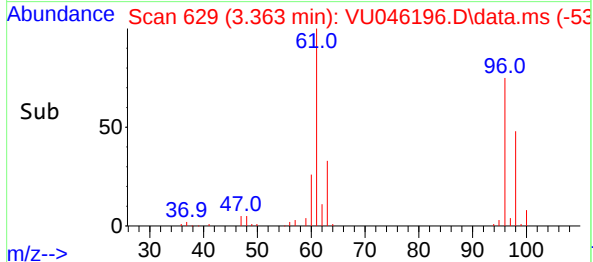
Instrument :
MSVOA_U
ClientSampleId :
EW5N9



Tgt Ion: 96 Resp: 77118
Ion Ratio Lower Upper
96 100
61 133.9 94.6 175.6
98 64.8 44.0 81.8

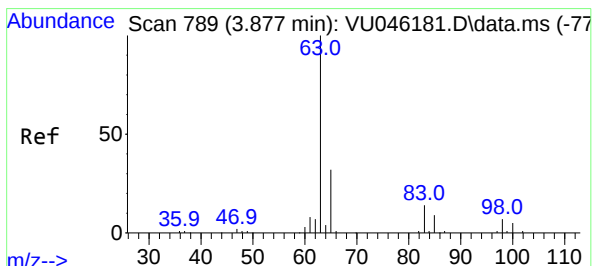
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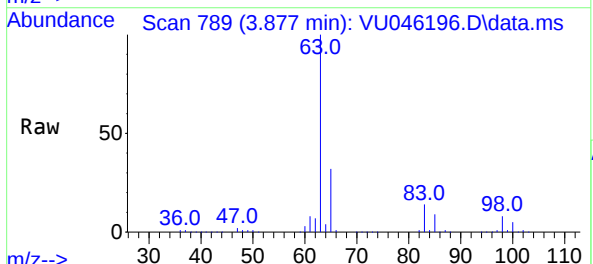


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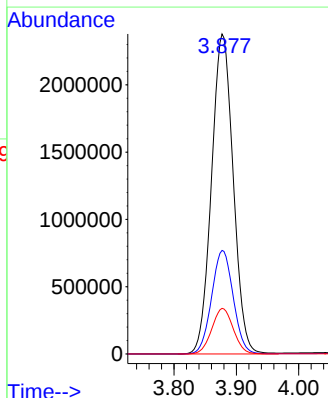
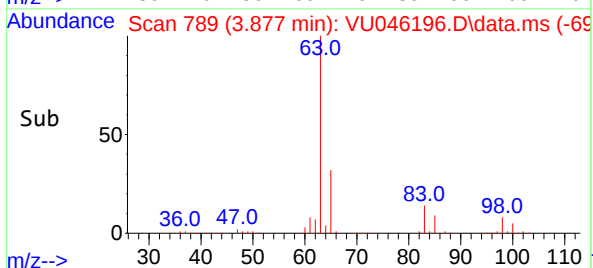
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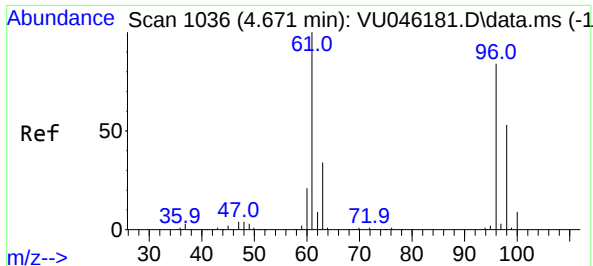


#19
1,1-Dichloroethane
Concen: 2007.448 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.000 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20



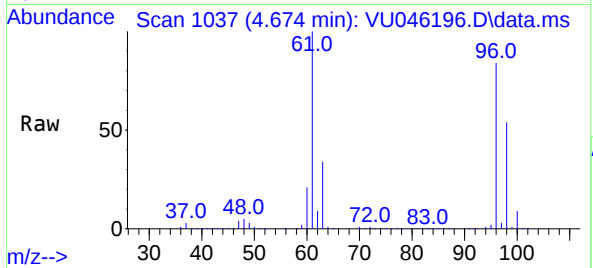
Tgt Ion: 63 Resp: 5743889
Ion Ratio Lower Upper
63 100
65 32.4 22.8 42.4
83 14.2 9.6 17.8





cis-1,2-Dichloroethene
Concen: 6607.473 ug/L
RT: 4.674 min Scan# 1036
Delta R.T. 0.003 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20

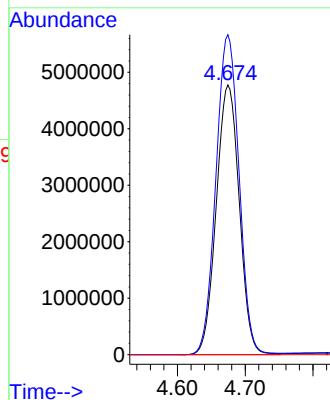
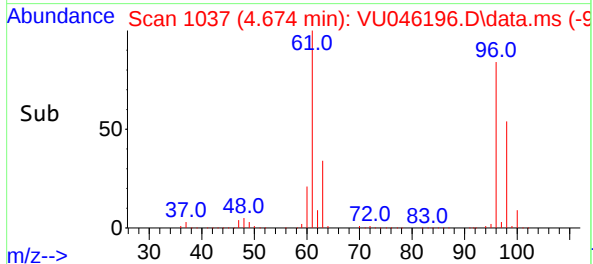
Instrument :
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Tgt Ion: 96 Resp: 1128248
Ion Ratio Lower Upper
96 100
61 118.6 86.8 161.2
68 0.0 0.0 0.0

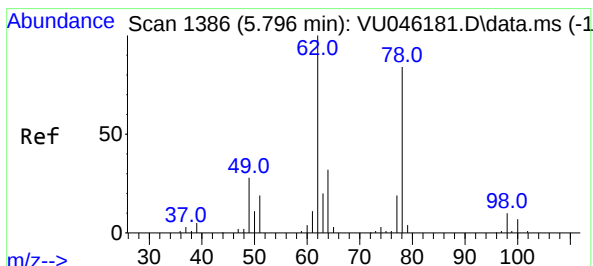
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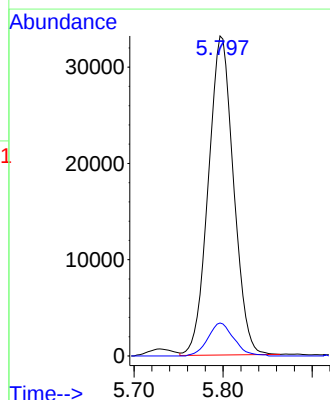
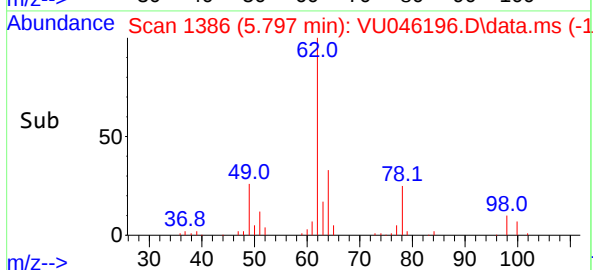
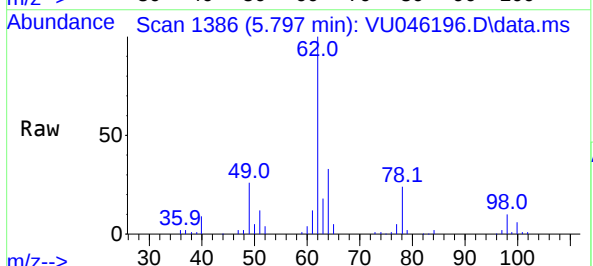
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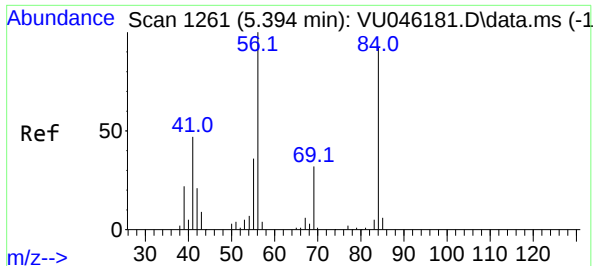
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1,2-Dichloroethane
Concen: 27.581 ug/L
RT: 5.797 min Scan# 1386
Delta R.T. -0.003 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20

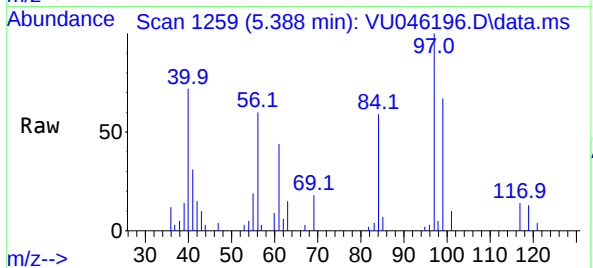
Tgt Ion: 62 Resp: 65065
Ion Ratio Lower Upper
62 100
98 10.3 7.9 11.9





#29
Cyclohexane
Concen: 2.358 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. -0.006 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20

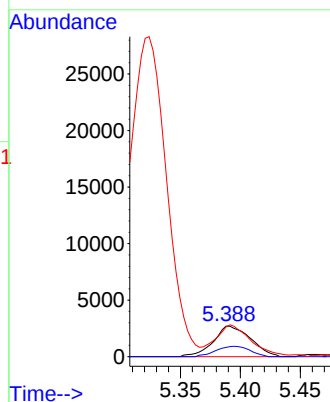
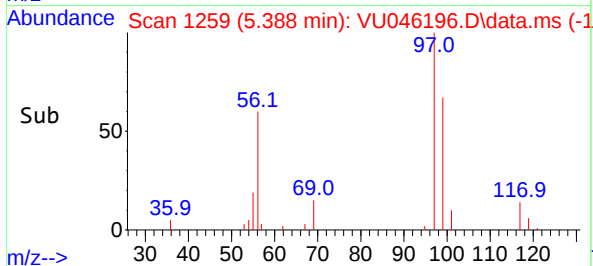
Instrument :
MSVOA_U
ClientSampleId :
EW5N9



Tgt Ion: 56 Resp: 585
Ion Ratio Lower Upper
56 100
69 31.1 25.2 37.8
84 90.4 73.3 109.9

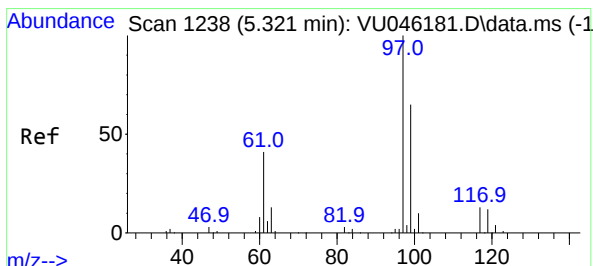
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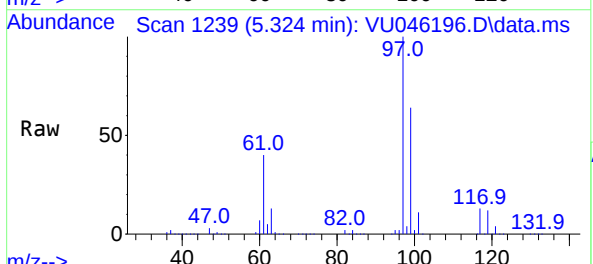


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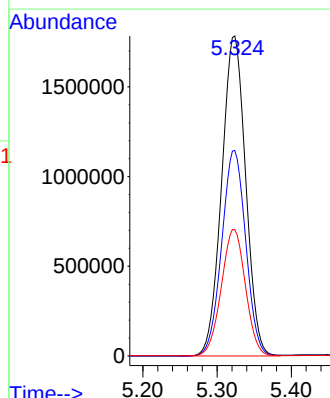
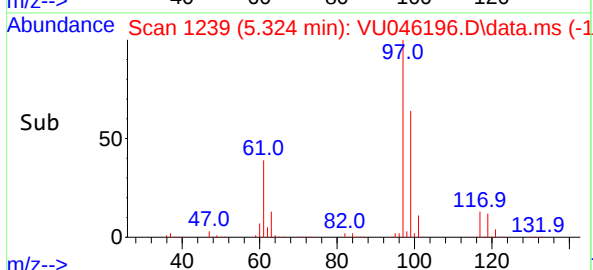
12/09/2021

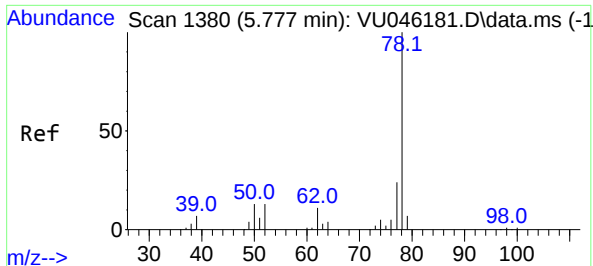


#30
1,1,1-Trichloroethane
Concen: 1530.968 ug/L
RT: 5.324 min Scan# 1239
Delta R.T. 0.003 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20



Tgt Ion: 97 Resp: 4005819
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.6
61 39.6 34.4 51.6





#33

Benzene

Concen: 6.935 ug/L

RT: 5.777 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU046196.D

Acq: 08 Dec 2021 23:20

Instrument :

MSVOA_U

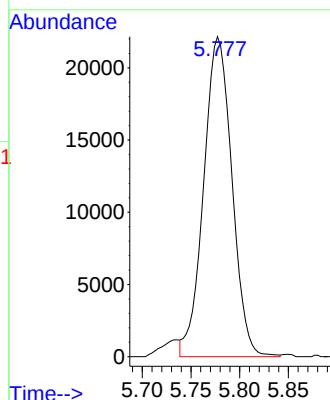
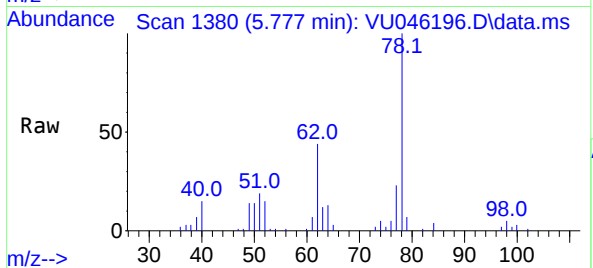
ClientSampleId :

EW5N9

Tgt Ion: 78 Resp: 4474

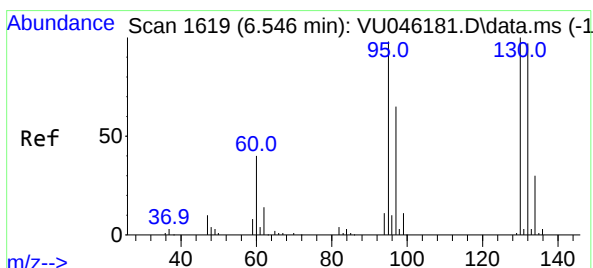
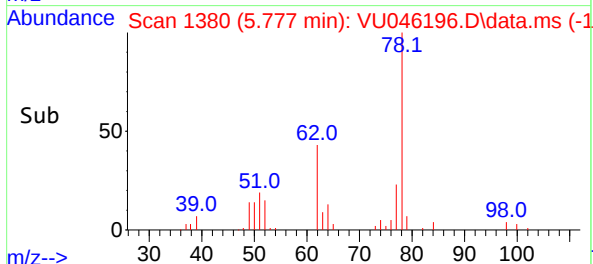
Manual Integrations
APPROVED

Reviewed By :John
Carlone



12/09/2021
Supervised By :Mahesh
Dadoda

12/09/2021



#34

Trichloroethene

Concen: 10.164 ug/L

RT: 6.542 min Scan# 1618

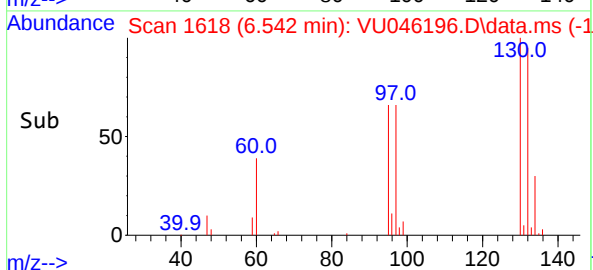
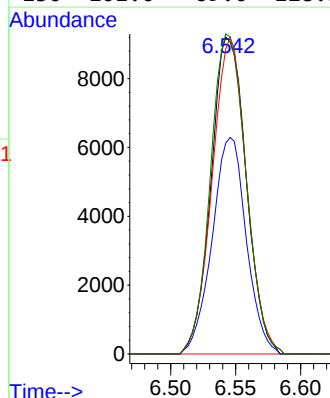
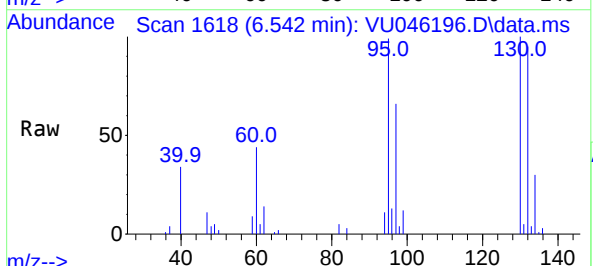
Delta R.T. -0.003 min

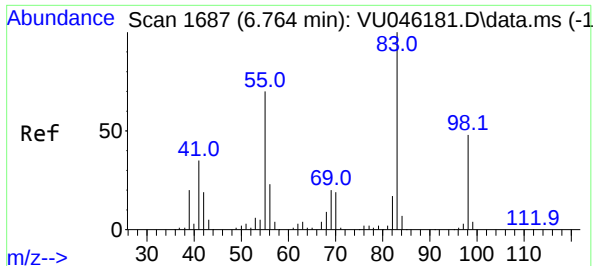
Lab File: VU046196.D

Acq: 08 Dec 2021 23:20

Tgt Ion: 95 Resp: 17274

Ion	Ratio	Lower	Upper
95	100		
97	66.6	44.1	81.9
132	96.3	66.8	124.0
130	101.0	69.0	128.1





#35

Methylcyclohexane

Concen: 6.503 ug/L

RT: 6.768 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046196.D

Acq: 08 Dec 2021 23:20

Instrument :

MSVOA_U

ClientSampleId :

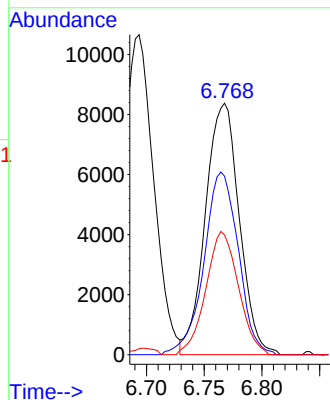
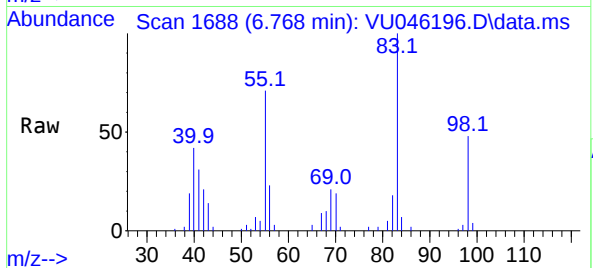
EW5N9

Tgt Ion: 83 Resp: 17138

Ion	Ratio	Lower	Upper
83	100		
55	73.6	57.8	86.6
98	47.0	38.4	57.6

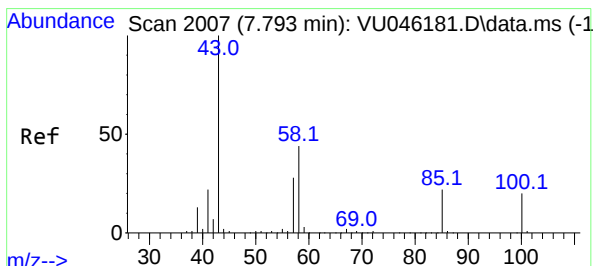
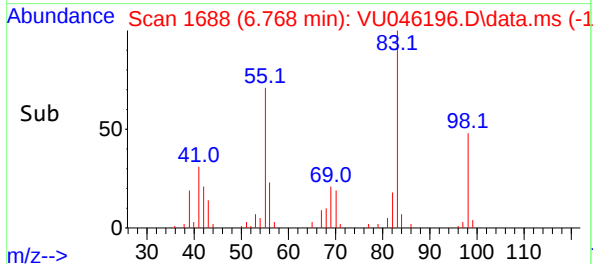
Manual Integrations
APPROVED

Reviewed By :John
Carlone



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Supervised By :Mahesh
Dadoda

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#40

4-Methyl-2-pentanone

Concen: 34.155 ug/L

RT: 7.793 min Scan# 2007

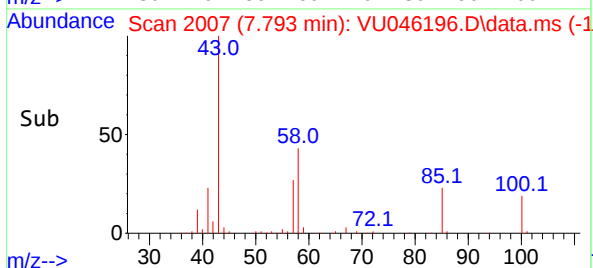
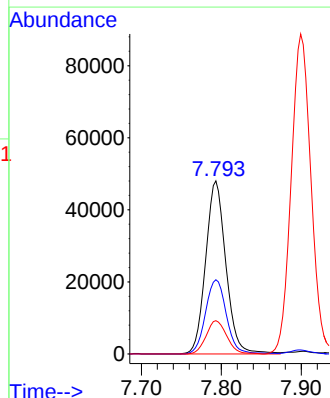
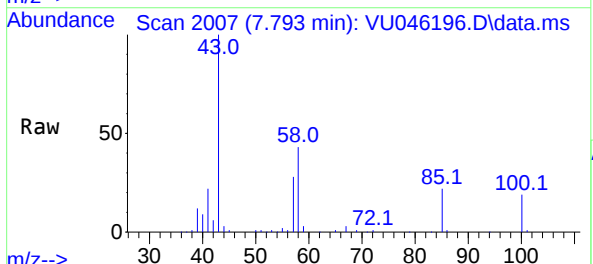
Delta R.T. -0.003 min

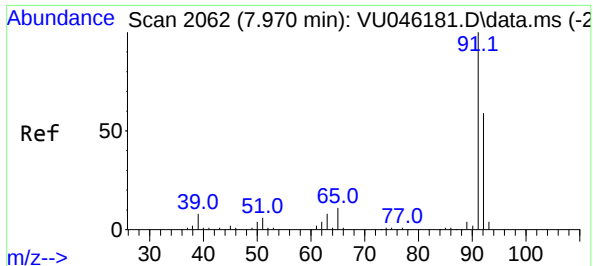
Lab File: VU046196.D

Acq: 08 Dec 2021 23:20

Tgt Ion: 43 Resp: 84809

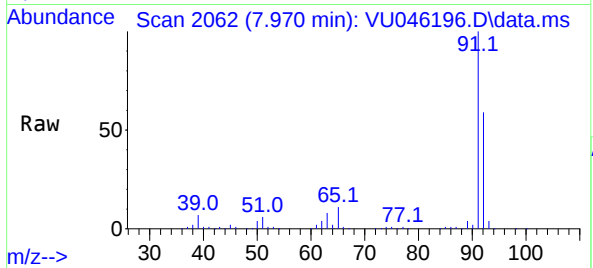
Ion	Ratio	Lower	Upper
43	100		
58	44.2	34.2	51.4
100	19.5	14.5	21.7





#42
Toluene
Concen: 147.814 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.003 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20

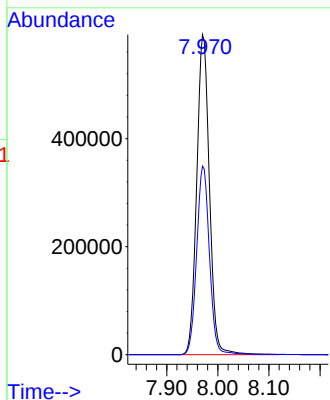
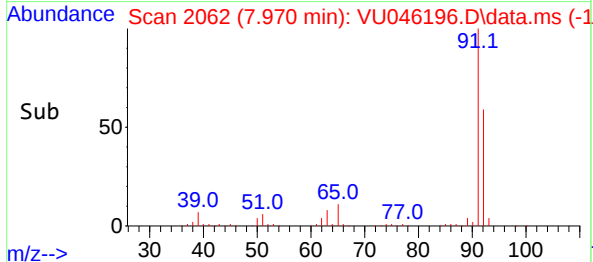
Instrument :
MSVOA_U
ClientSampleId :
EW5N9



Tgt Ion: 91 Resp: 1023258
Ion Ratio Lower Upper
91 100
92 58.9 41.9 77.7

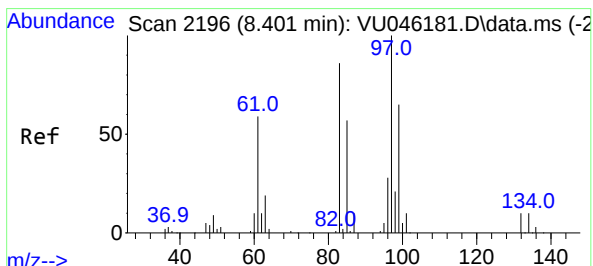
Manual Integrations
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Reviewed By :John
Carlone

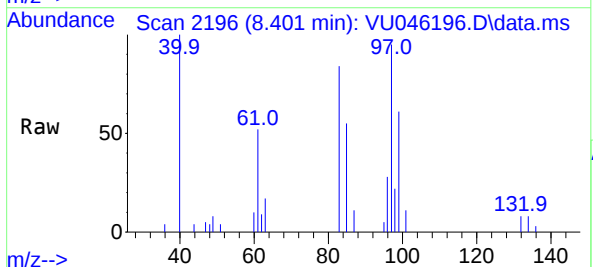


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Supervised By :Mahesh
Dadoda

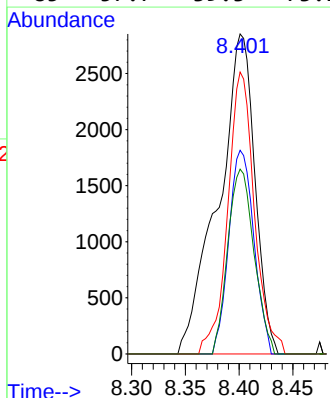
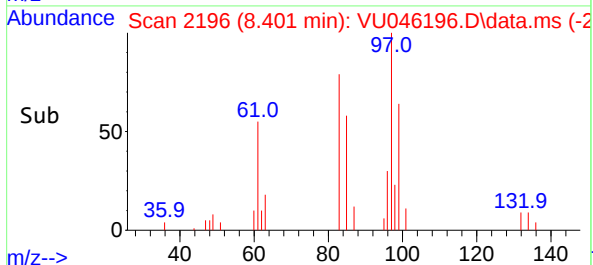
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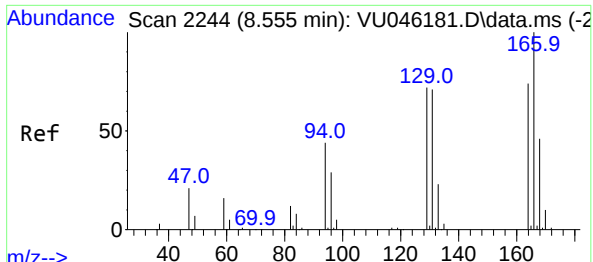


#45
1,1,2-Trichloroethane
Concen: 3.981 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20



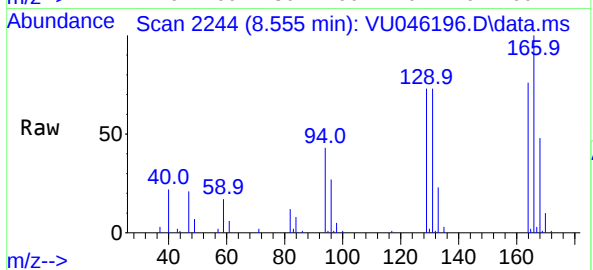
Tgt Ion: 97 Resp: 6750
Ion Ratio Lower Upper
97 100
99 63.7 44.7 82.9
83 88.1 60.2 111.8
85 57.7 39.3 73.1





#46
Tetrachloroethene
Concen: 14.296 ug/L
RT: 8.555 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20

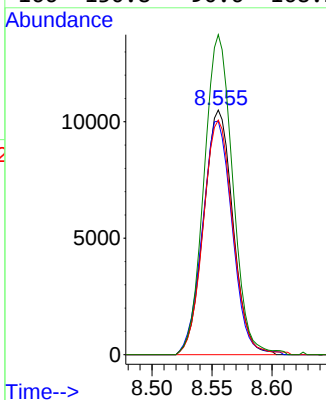
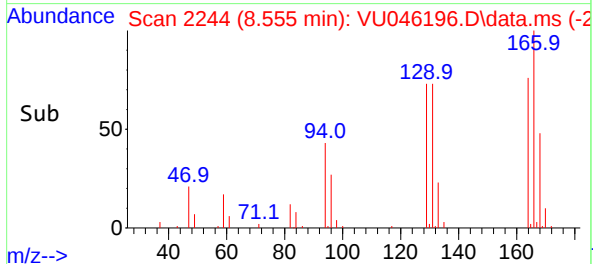
Instrument :
MSVOA_U
ClientSampleId :
EW5N9



Tgt Ion:164 Resp: 17850
Ion Ratio Lower Upper
164 100
129 95.5 71.1 132.1
131 95.9 67.8 126.0
166 130.8 90.6 168.2

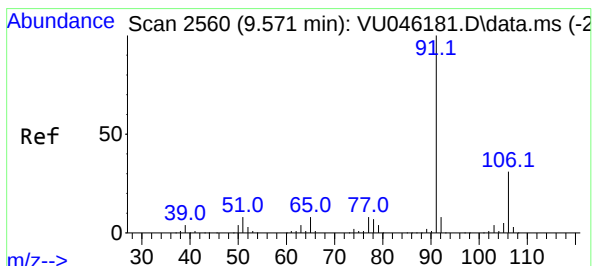
Manual Integrations
APPROVED

Reviewed By :John
Carlone



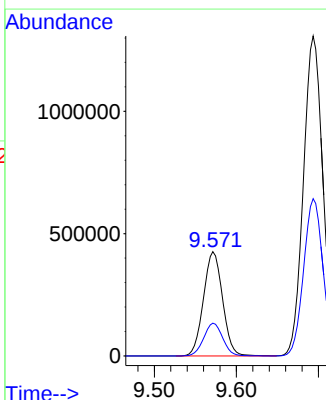
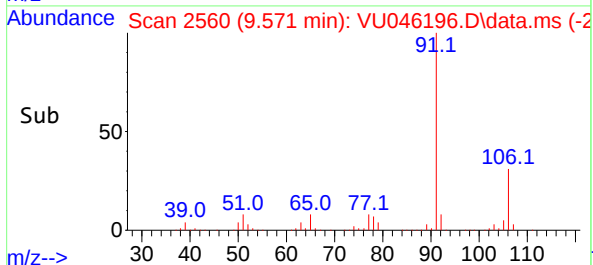
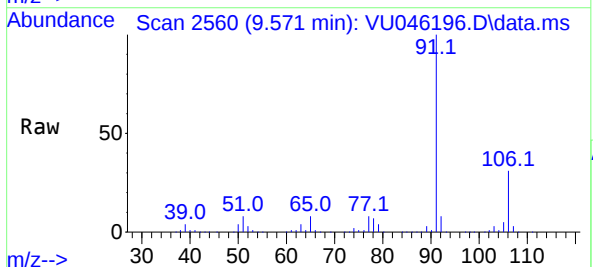
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Supervised By :Mahesh
Dadoda

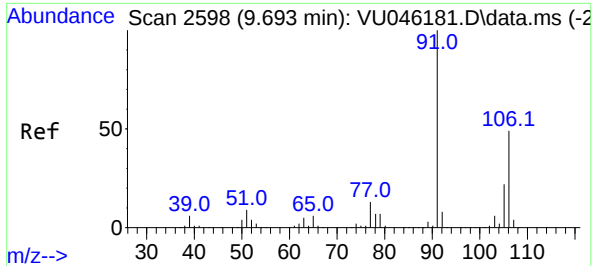
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#52
Ethylbenzene
Concen: 92.636 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20

Tgt Ion: 91 Resp: 690160
Ion Ratio Lower Upper
91 100
106 31.4 21.1 39.3





#53
m,p-Xylene
Concen: 366.120 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20

Instrument :

MSVOA_U

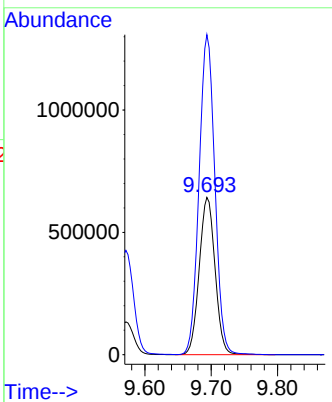
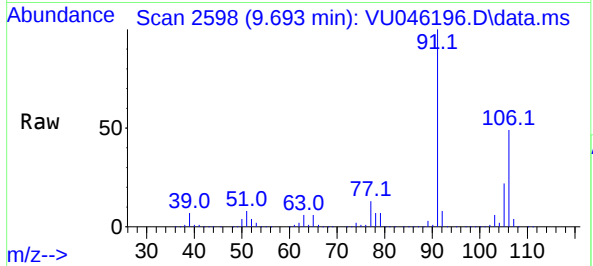
ClientSampleId :

EW5N9

Tgt Ion:106 Resp: 106375
Ion Ratio Lower Upper
106 100
91 203.4 144.3 268.1

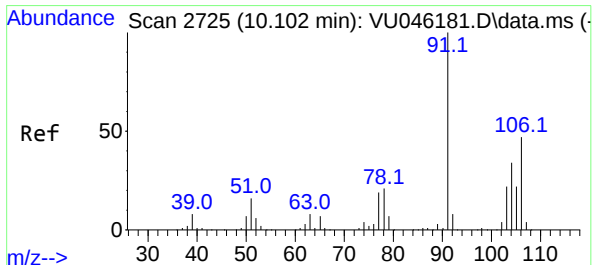
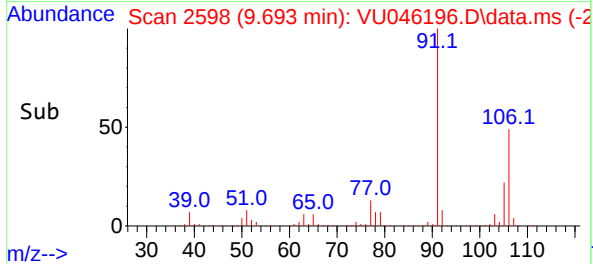
Manual Integrations
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Reviewed By :John
Carlone



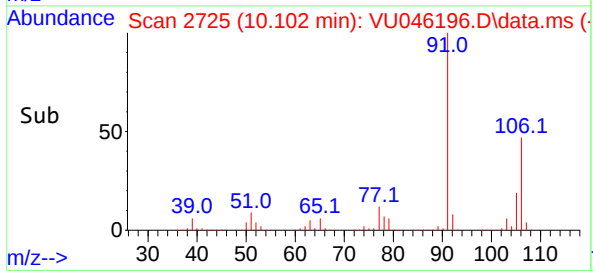
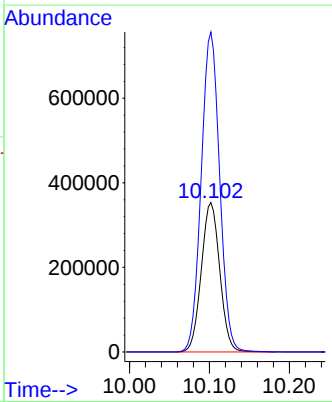
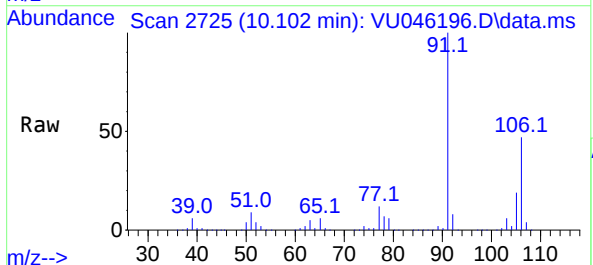
12/09/2021
Supervised By :Mahesh
Dadoda

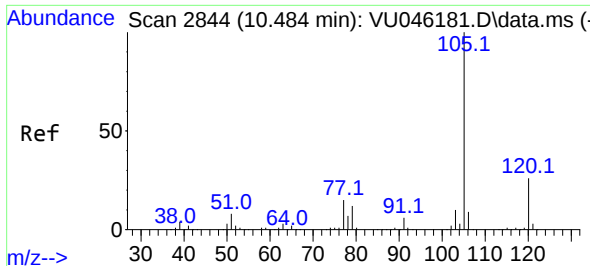
12/09/2021



#54
o-xylene
Concen: 201.136 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20

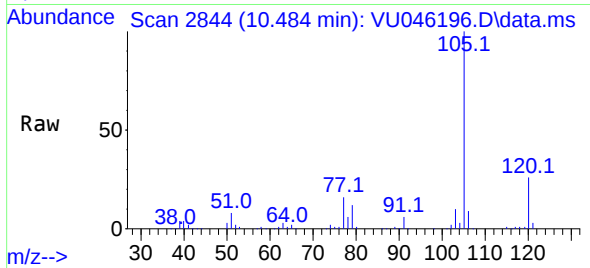
Tgt Ion:106 Resp: 567058
Ion Ratio Lower Upper
106 100
91 214.0 154.2 286.4





#61
Isopropylbenzene
Concen: 17.043 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20

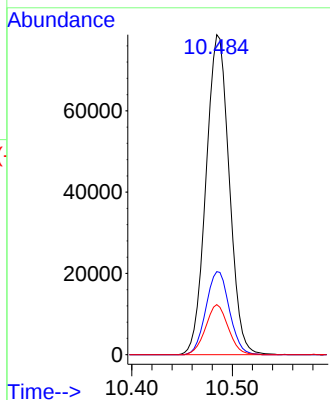
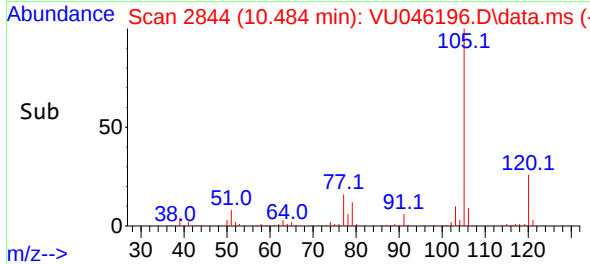
Instrument :
MSVOA_U
ClientSampleId :
EW5N9



Tgt Ion:105 Resp: 12609
Ion Ratio Lower Upper
105 100
120 26.3 20.7 31.1
77 15.3 12.2 18.4

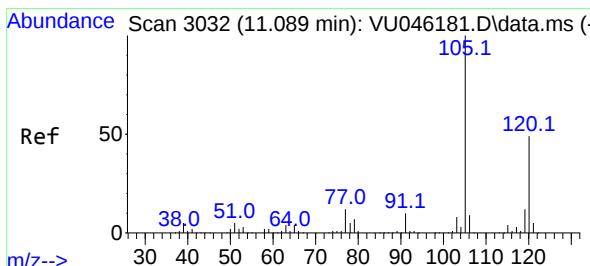
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Reviewed By :John
Carlone

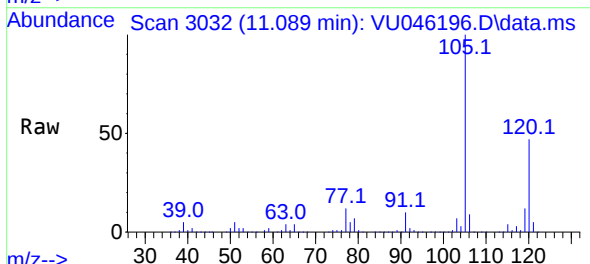


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Supervised By :Mahesh
Dadoda

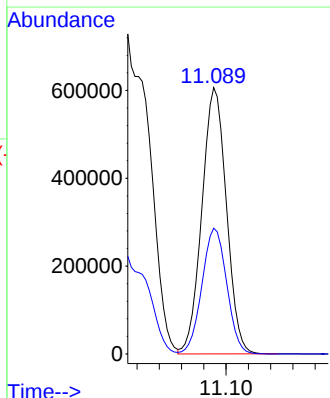
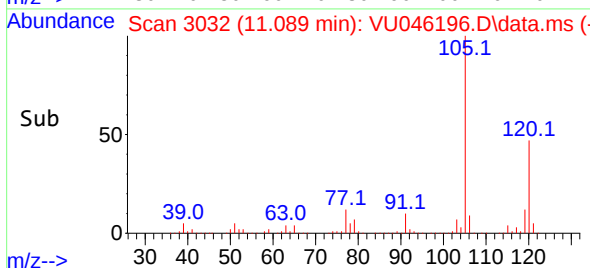
12/09/2021

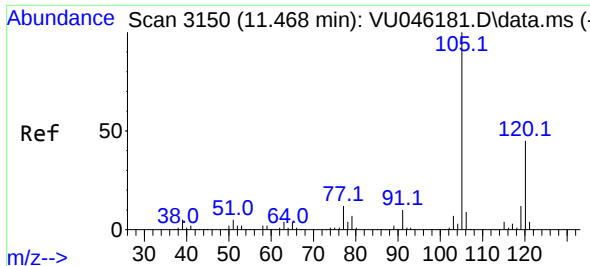


#62
1,3,5-Trimethylbenzene
Concen: 150.188 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20



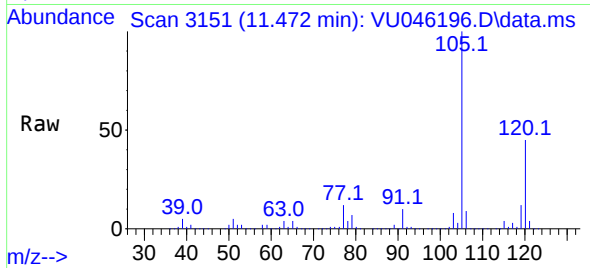
Tgt Ion:105 Resp: 926159
Ion Ratio Lower Upper
105 100
120 47.8 37.8 56.6





#63
1,2,4-Trimethylbenzene
Concen: 631.203 ug/L
RT: 11.472 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20

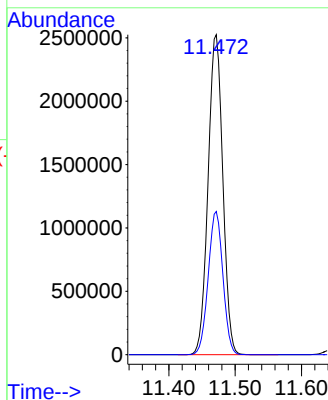
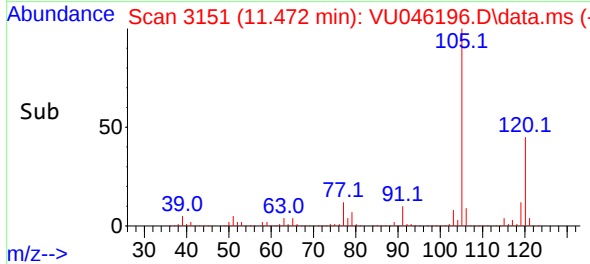
Instrument :
MSVOA_U
ClientSampleId :
EW5N9



Tgt Ion:105 Resp: 3894329
Ion Ratio Lower Upper
105 100
120 44.6 35.2 52.8

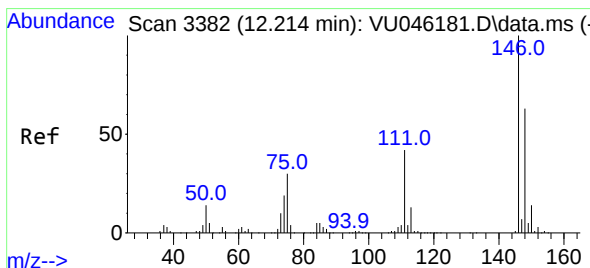
Manual Integrations
APPROVED

Reviewed By :John
Carlone

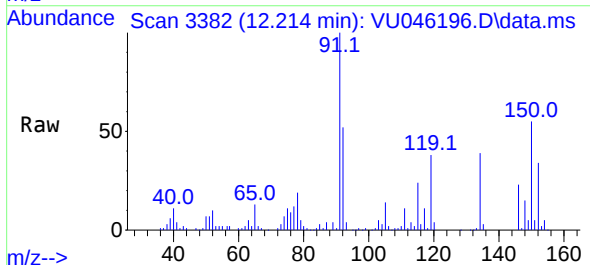


12/09/2021
Supervised By :Mahesh
Dadoda

12/09/2021



#67
1,2-Dichlorobenzene
Concen: 2.780 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU046196.D
Acq: 08 Dec 2021 23:20



Tgt Ion:146 Resp: 9840
Ion Ratio Lower Upper
146 100
111 46.0 35.7 53.5
148 64.8 51.2 76.8

