

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060922\
 Data File : VU048982.D
 Acq On : 09 Jun 2022 17:41
 Operator : SY/MD
 Sample : N3248-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYX7

Quant Time: Jun 10 01:04:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 10 01:01:44 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa
 Patel

06/16/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	333890	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	324896	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	180976	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.597	65	131782	64.440	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	128.880%
7) Chloroethane-d5	1.900	69	74132	48.385	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.760%
11) 1,1-Dichloroethene-d2	2.562	63	169048	36.551	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.100%
21) 2-Butanone-d5	4.623	46	223697	114.945	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.940%
24) Chloroform-d	5.063	84	213937	41.398	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.800%
26) 1,2-Dichloroethane-d4	5.700	65	140606	38.566	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.140%
32) Benzene-d6	5.726	84	407581	45.076	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.160%
36) 1,2-Dichloropropane-d6	6.690	67	141450	53.287	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.580%
41) Toluene-d8	7.899	98	380604	44.750	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.500%
43) trans-1,3-Dichloroprop...	8.179	79	67405	39.710	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.420%
47) 2-Hexanone-d5	8.632	63	164142	112.754	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.750%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	223139	50.801	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	164183	44.378	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.760%

Target Compounds

						Qvalue
5) Vinyl chloride	1.601	62	3962423	1682.467	ug/L	99
8) Chloroethane	1.919	64	1648851	1189.463	ug/L	98
12) 1,1-Dichloroethene	2.575	96	44772	20.610	ug/L #	64
13) Acetone	2.626	43	6381	4.036	ug/L	98
16) Methylene chloride	3.044	84	9518	3.763	ug/L	89
17) trans-1,2-Dichloroethene	3.350	96	121564	51.883	ug/L	96
19) 1,1-Dichloroethane	3.867	63	8693526	2026.650	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	5202541	1968.913	ug/L	95
27) 1,2-Dichloroethane	5.793	62	59078	13.755	ug/L	96
29) Cyclohexane	5.391	56	7574m	2.270	ug/L	
30) 1,1,1-Trichloroethane	5.314	97	782279	159.020	ug/L	98
33) Benzene	5.774	78	119453	12.585	ug/L	100
34) Trichloroethene	6.539	95	83860	31.227	ug/L	97
35) Methylcyclohexane	6.761	83	10839	2.813	ug/L	93
40) 4-Methyl-2-pentanone	7.793	43	14112	3.896	ug/L #	92
42) Toluene	7.970	91	976725	94.407	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	13767	5.416	ug/L	92
46) Tetrachloroethene	8.555	164	7149	3.262	ug/L	95
52) Ethylbenzene	9.571	91	3092993	261.606	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.694	106	2780071	585.111	ug/L	99
54) o-Xylene	10.102	106	1458761	320.476	ug/L	100
61) Isopropylbenzene	10.484	105	346337	31.074	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	2183520	344.599	ug/L	100
63) 1,2,4-Trimethylbenzene	11.472	105	10945140	1110.834	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	113424	19.402	ug/L	99

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

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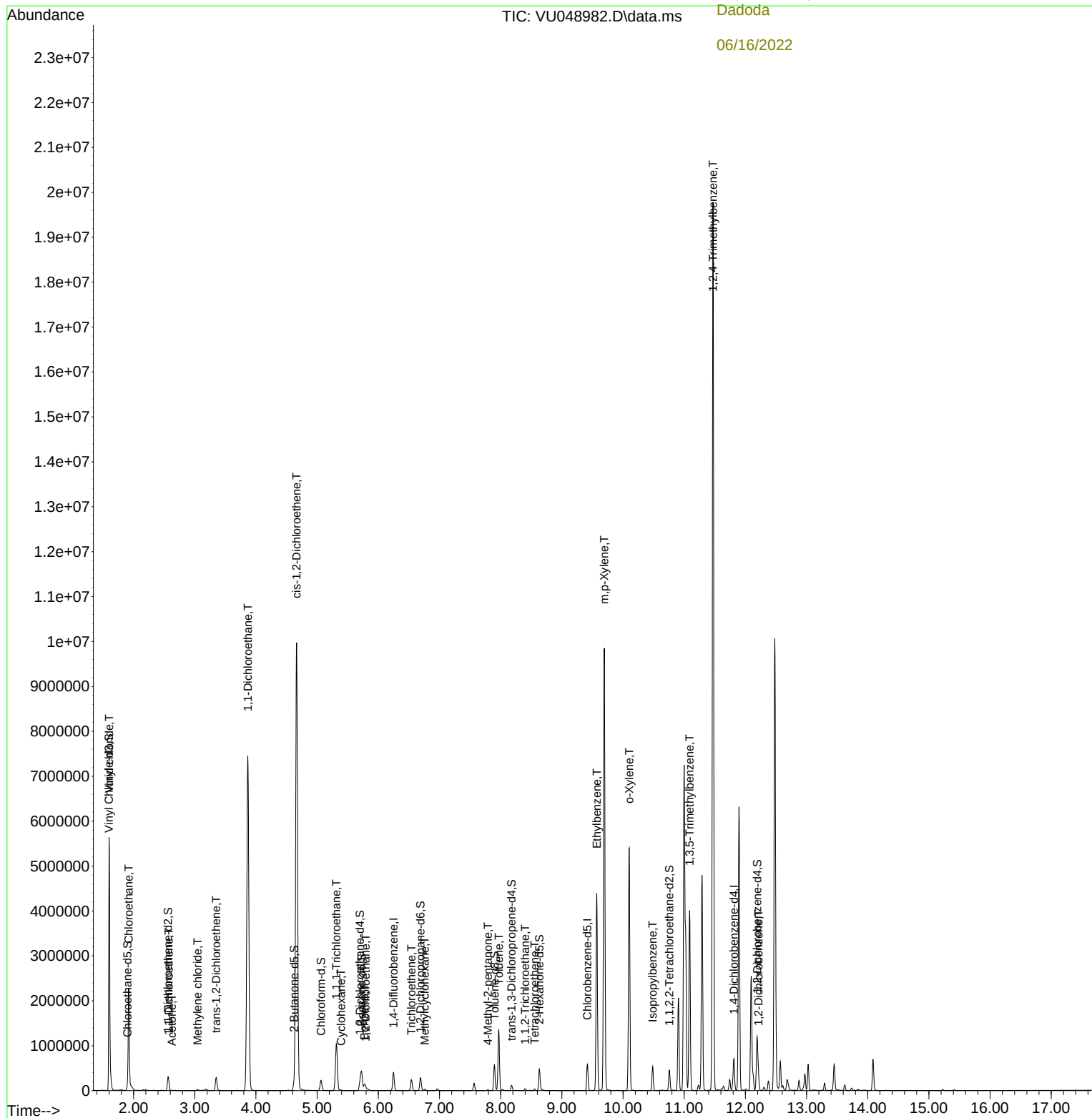
Quant Time: Jun 10 01:04:41 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 10 01:01:44 2022
Response via : Initial Calibration

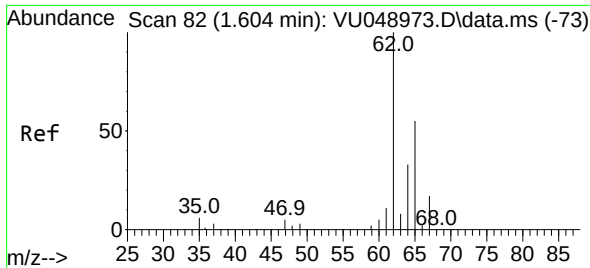
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#5
 Vinyl chloride
 Concen: 1682.467 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU048982.D
 Acq: 09 Jun 2022 17:41

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYX7

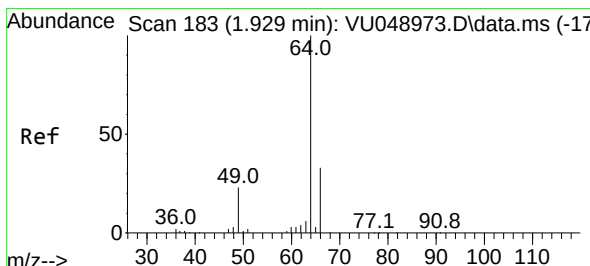
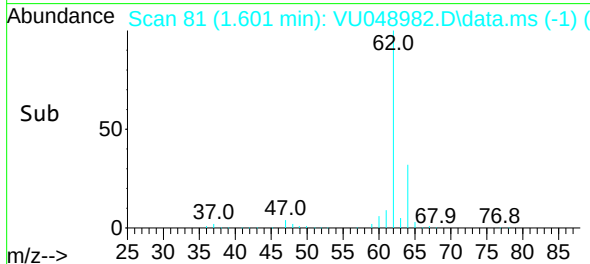
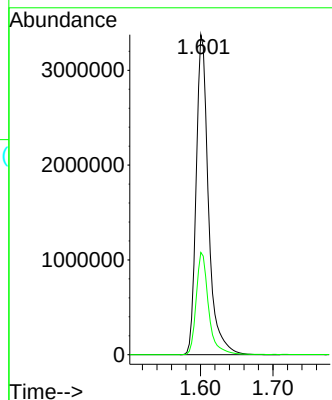
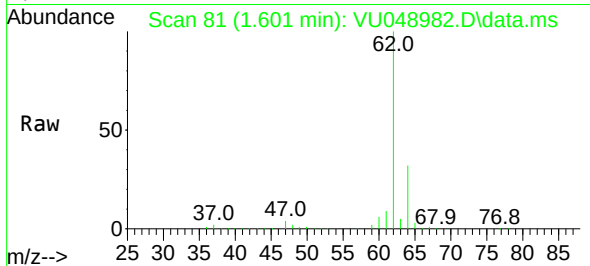
Tgt Ion: 62 Resp: 396242
 Ion Ratio Lower Upper
 62 100
 64 31.9 22.9 42.5

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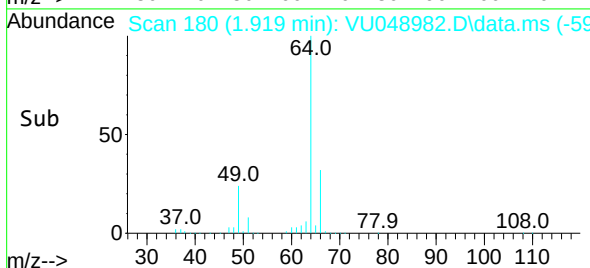
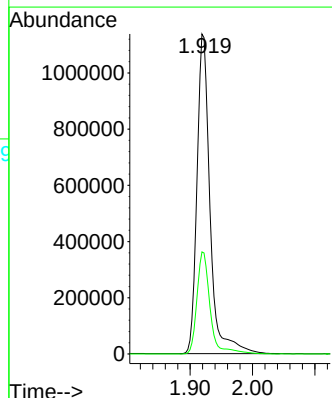
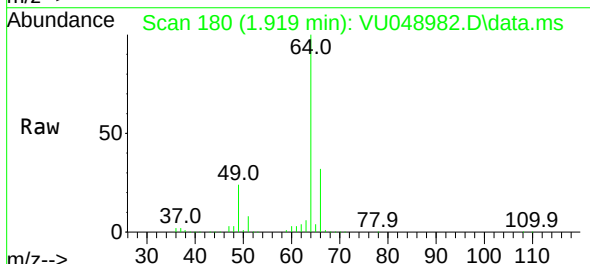
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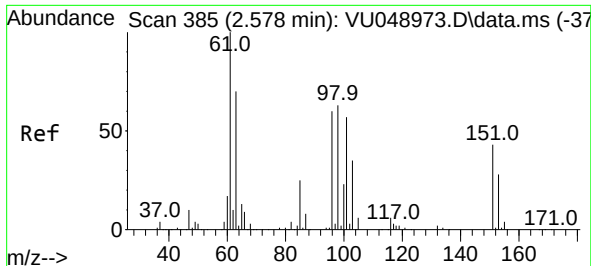
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#8
 Chloroethane
 Concen: 1189.463 ug/L
 RT: 1.919 min Scan# 180
 Delta R.T. -0.010 min
 Lab File: VU048982.D
 Acq: 09 Jun 2022 17:41

Tgt Ion: 64 Resp: 1648851
 Ion Ratio Lower Upper
 64 100
 66 31.9 23.1 42.9





#12

1,1-Dichloroethene

Concen: 20.610 ug/L

RT: 2.575 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU048982.D

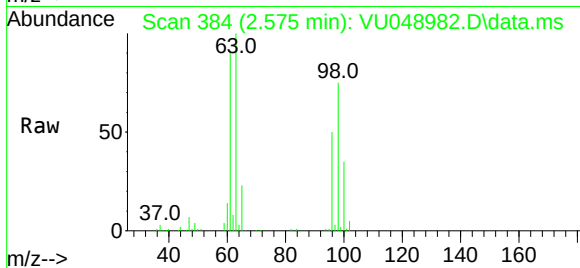
Acq: 09 Jun 2022 17:41

Instrument :

MSVOA_U

ClientSampleId :

EXYX7



Tgt Ion: 96 Resp: 44772

Ion	Ratio	Lower	Upper
96	100		
61	182.6	120.6	224.0
63	201.7	82.3	152.9

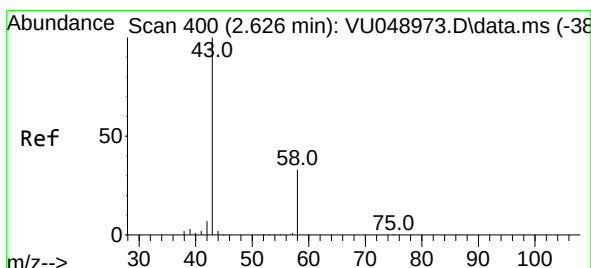
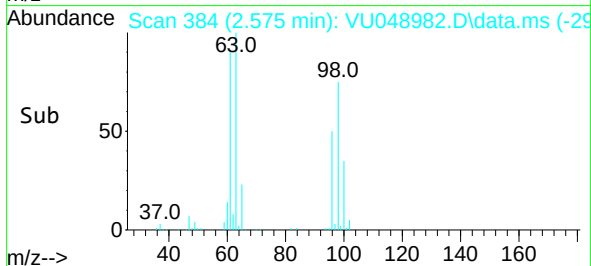
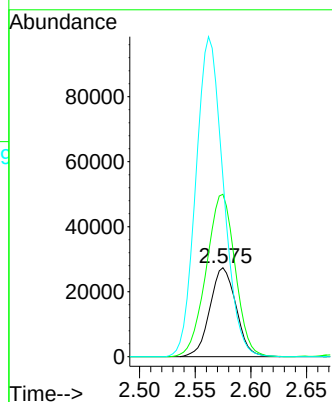
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#13

Acetone

Concen: 4.036 ug/L

RT: 2.626 min Scan# 400

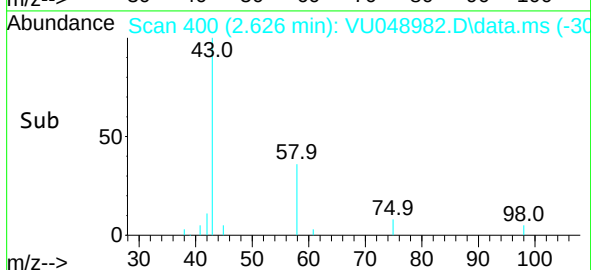
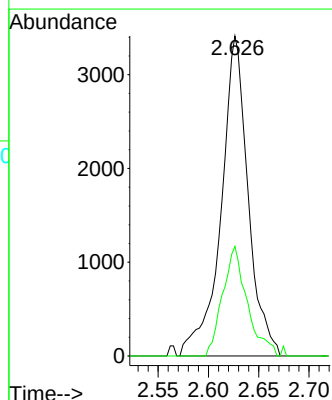
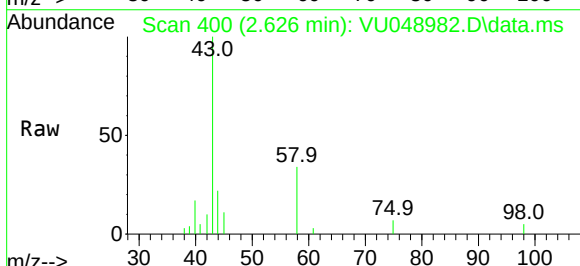
Delta R.T. 0.000 min

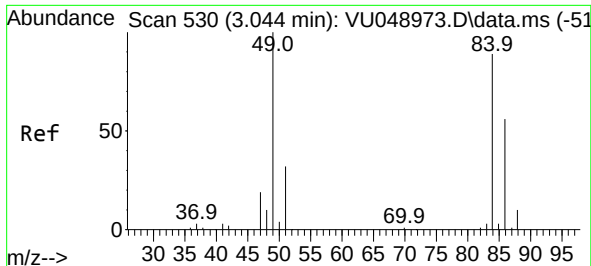
Lab File: VU048982.D

Acq: 09 Jun 2022 17:41

Tgt Ion: 43 Resp: 6381

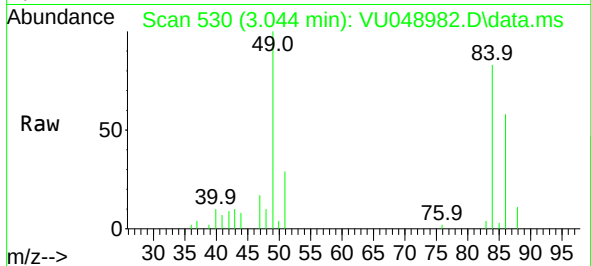
Ion	Ratio	Lower	Upper
43	100		
58	31.1	0.0	59.8





#16
Methylene chloride
Concen: 3.763 ug/L
RT: 3.044 min Scan# 518
Delta R.T. 0.000 min
Lab File: VU048982.D
Acq: 09 Jun 2022 17:41

Instrument :
MSVOA_U
ClientSampleId :
EXYX7



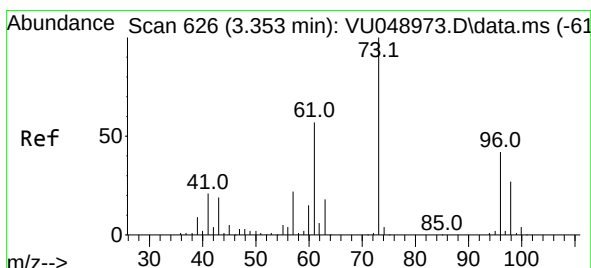
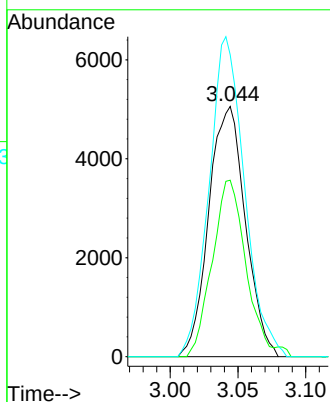
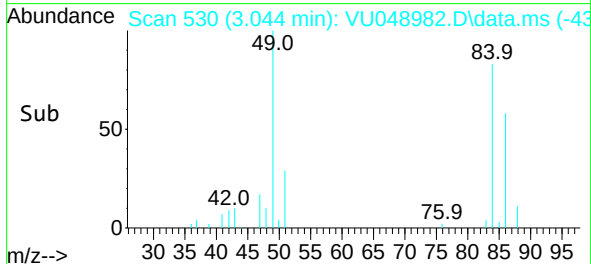
Tgt Ion: 84 Resp: 9518
Ion Ratio Lower Upper
84 100
86 70.5 43.5 80.9
49 120.6 76.4 141.8

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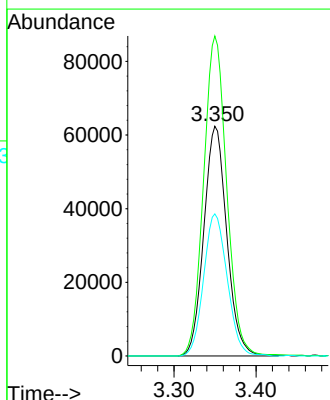
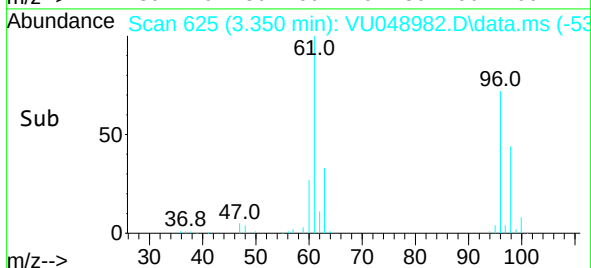
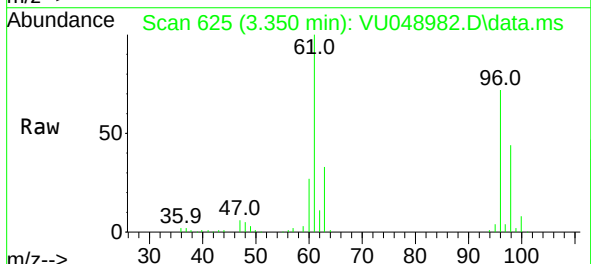
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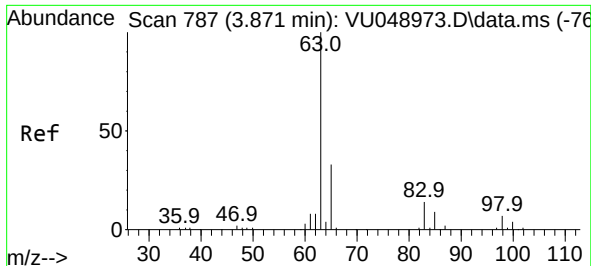
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#17
trans-1,2-Dichloroethene
Concen: 51.883 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.003 min
Lab File: VU048982.D
Acq: 09 Jun 2022 17:41

Tgt Ion: 96 Resp: 121564
Ion Ratio Lower Upper
96 100
61 139.3 94.2 175.0
98 61.8 45.1 83.7





#19

1,1-Dichloroethane

Concen: 2026.650 ug/L

RT: 3.867 min Scan# 787

Delta R.T. -0.003 min

Lab File: VU048982.D

Acq: 09 Jun 2022 17:41

Instrument :

MSVOA_U

ClientSampleId :

EXYX7

Tgt Ion: 63 Resp: 8693520

Ion Ratio Lower Upper

63 100

65 32.1 21.8 40.6

83 13.4 9.8 18.2

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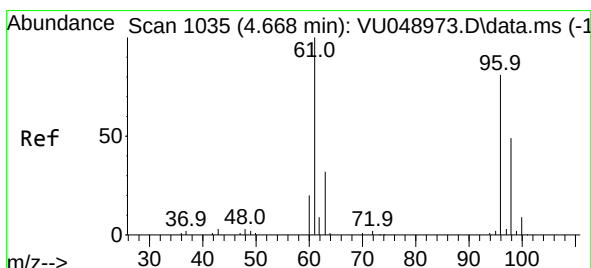
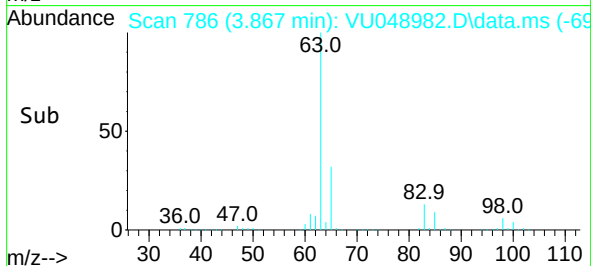
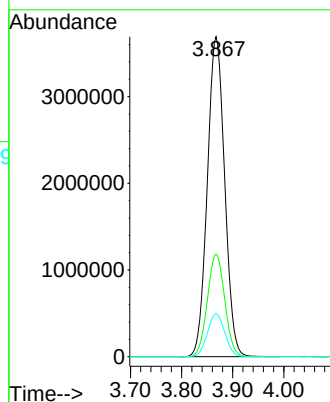
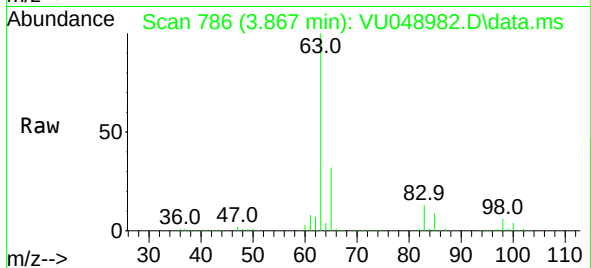
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#20

cis-1,2-Dichloroethene

Concen: 1968.913 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU048982.D

Acq: 09 Jun 2022 17:41

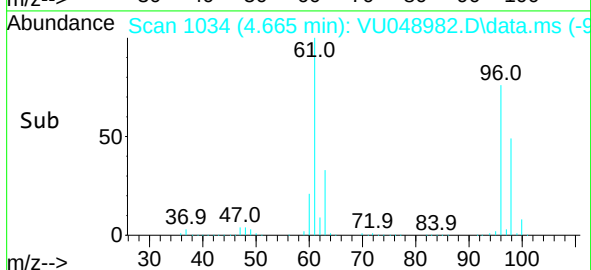
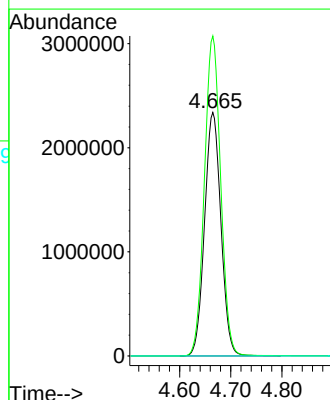
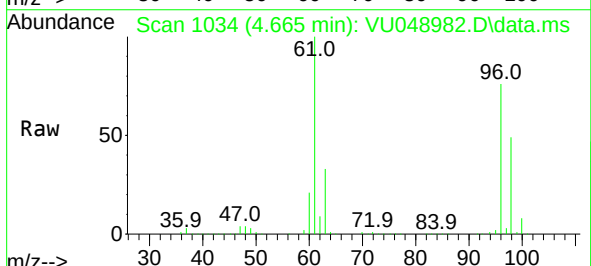
Tgt Ion: 96 Resp: 5202541

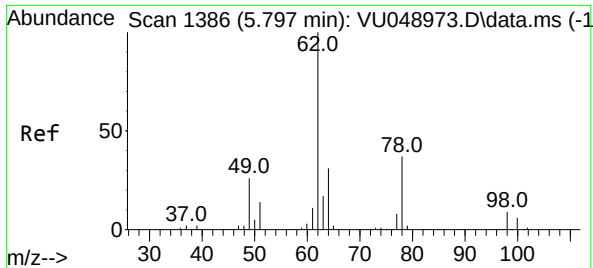
Ion Ratio Lower Upper

96 100

61 131.4 88.3 164.1

68 0.0 0.0 0.0





#27
1,2-Dichloroethane
Concen: 13.755 ug/L
RT: 5.793 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048982.D
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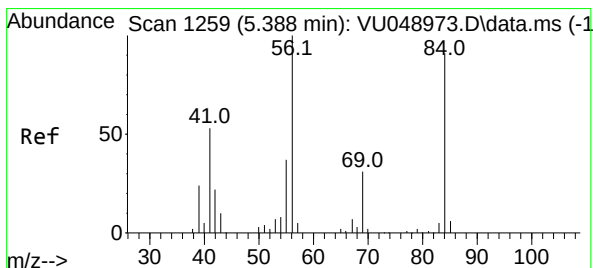
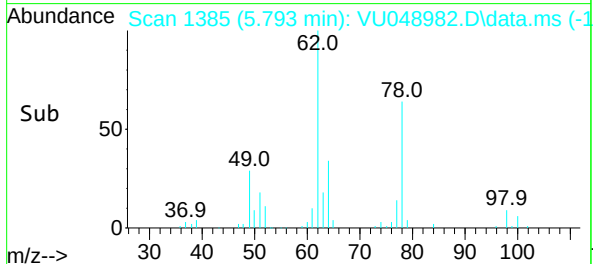
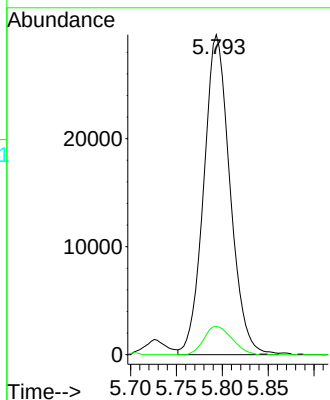
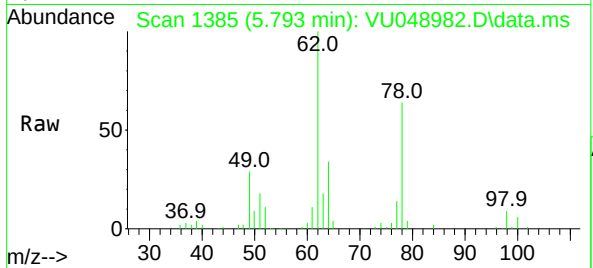
Tgt Ion: 62 Resp: 59078
Ion Ratio Lower Upper
62 100
98 8.8 6.0 9.0

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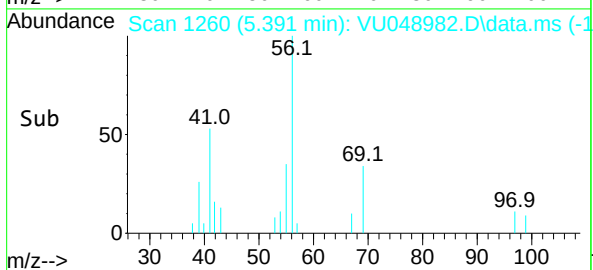
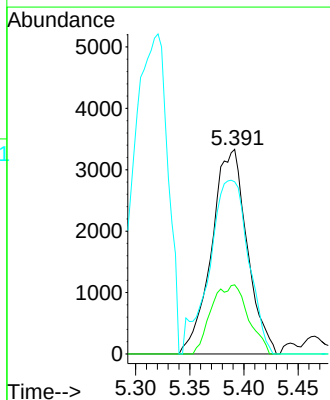
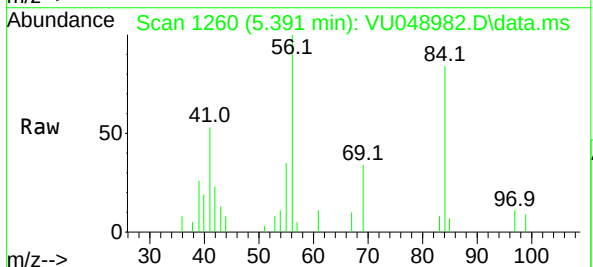
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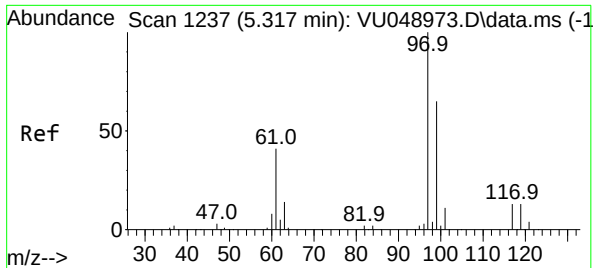
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#29
Cyclohexane
Concen: 2.270 ug/L m
RT: 5.391 min Scan# 1260
Delta R.T. 0.003 min
Lab File: VU048982.D
Acq: 09 Jun 2022 17:41

Tgt Ion: 56 Resp: 7574
Ion Ratio Lower Upper
56 100
69 14.6 26.5 39.7#
84 89.4 78.0 117.0





#30

1,1,1-Trichloroethane

Concen: 159.020 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048982.D

Acq: 09 Jun 2022 17:41

Instrument :

MSVOA_U

ClientSampleId :

EXYX7

Tgt Ion: 97 Resp: 782279

Ion Ratio Lower Upper

97 100

99 64.5 50.3 75.5

61 41.4 32.6 48.8

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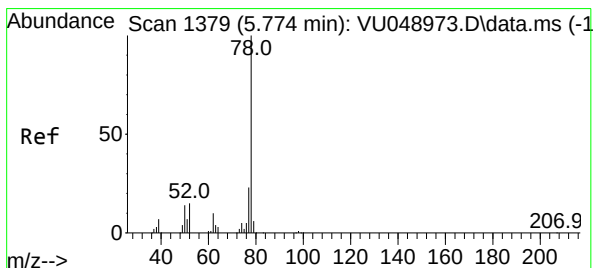
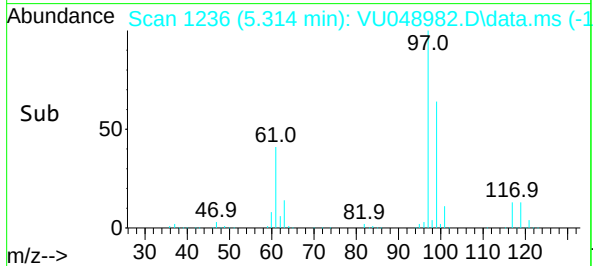
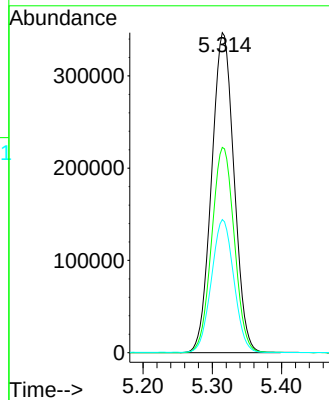
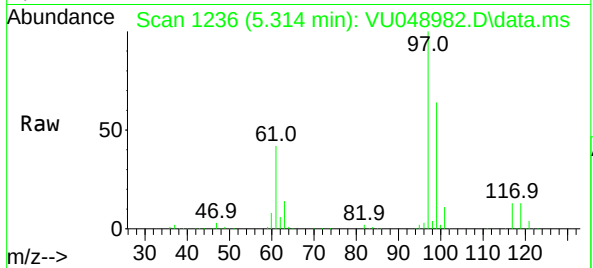
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#33

Benzene

Concen: 12.585 ug/L

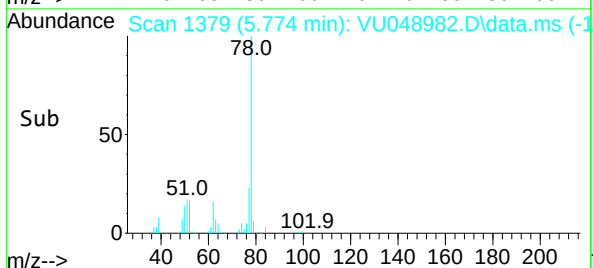
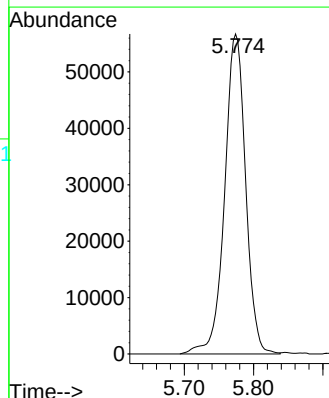
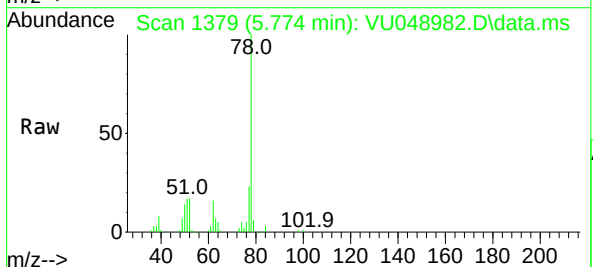
RT: 5.774 min Scan# 1379

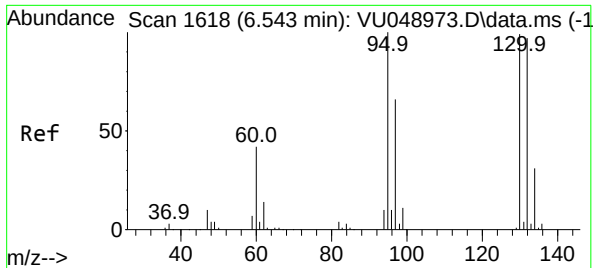
Delta R.T. 0.000 min

Lab File: VU048982.D

Acq: 09 Jun 2022 17:41

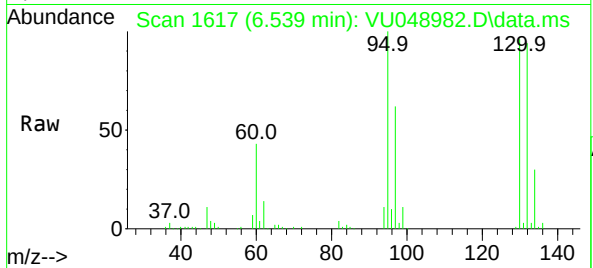
Tgt Ion: 78 Resp: 119453





#34
Trichloroethene
Concen: 31.227 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU048982.D
Acq: 09 Jun 2022 17:41

Instrument :
MSVOA_U
ClientSampleId :
EXYX7



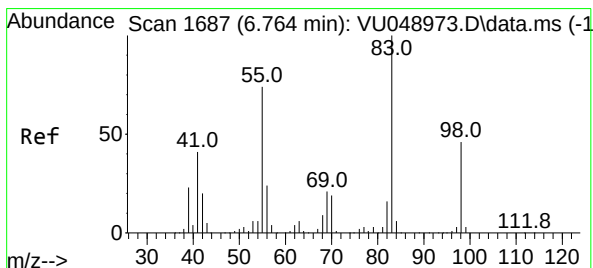
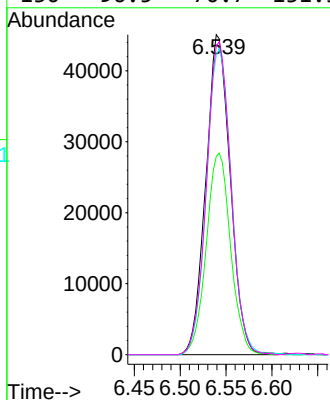
Tgt Ion: 95 Resp: 83860
Ion Ratio Lower Upper
95 100
97 62.0 45.2 84.0
132 93.7 67.3 124.9
130 96.5 70.7 131.3

Manual Integrations
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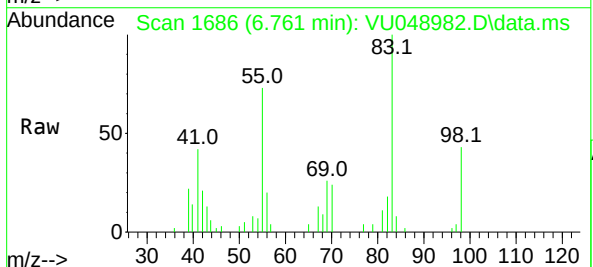
Reviewed By :Krupa
Patel

06/16/2022
Supervised By :Mahesh
Dadoda

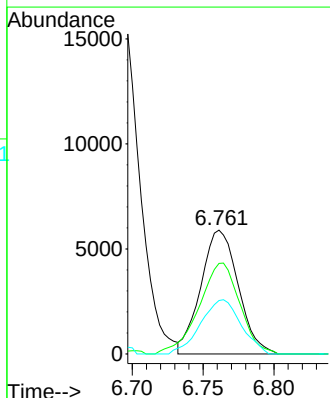
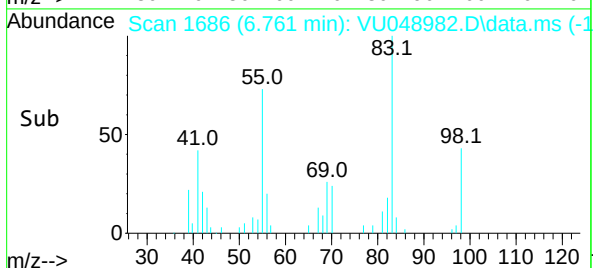
06/16/2022

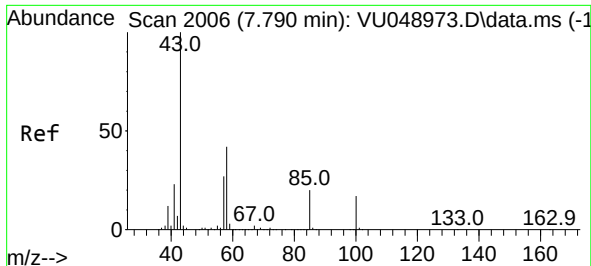


#35
Methylcyclohexane
Concen: 2.813 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU048982.D
Acq: 09 Jun 2022 17:41



Tgt Ion: 83 Resp: 10839
Ion Ratio Lower Upper
83 100
55 79.9 56.2 84.4
98 47.2 38.2 57.2





#40

4-Methyl-2-pentanone

Concen: 3.896 ug/L

RT: 7.793 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU048982.D

Acq: 09 Jun 2022 17:41

Instrument :

MSVOA_U

ClientSampleId :

EXYX7

Tgt Ion: 43	Resp: 1411
Ion Ratio	Lower Upper
43 100	
58 39.5	34.3 51.5
100 12.0	14.7 22.1

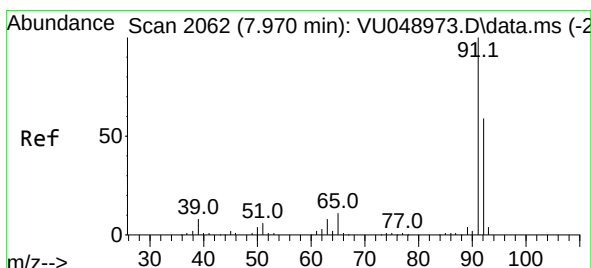
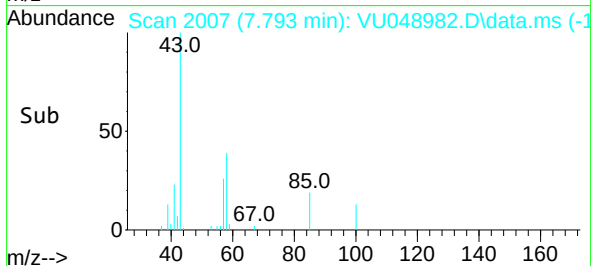
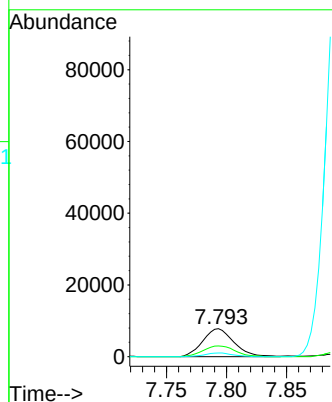
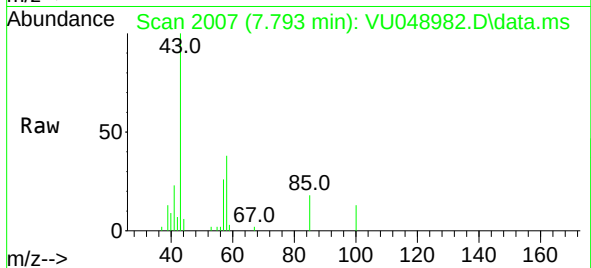
Manual Integrations
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Reviewed By :Krupa
Patel

06/16/2022

Supervised By :Mahesh
Dadoda

06/16/2022



#42

Toluene

Concen: 94.407 ug/L

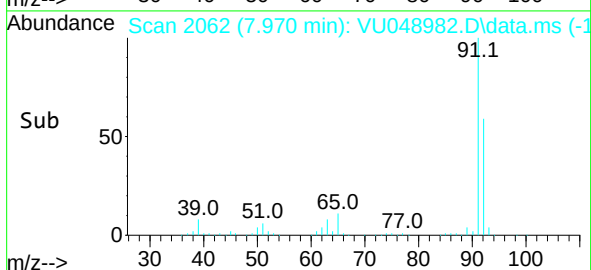
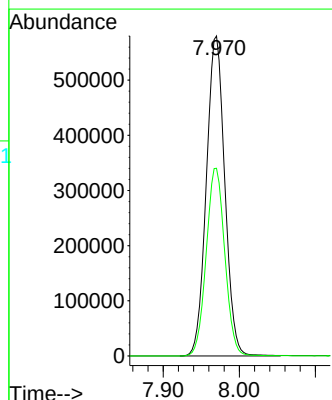
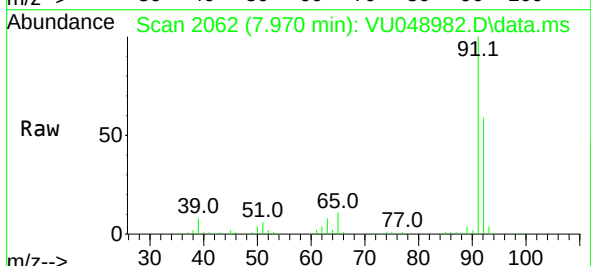
RT: 7.970 min Scan# 2062

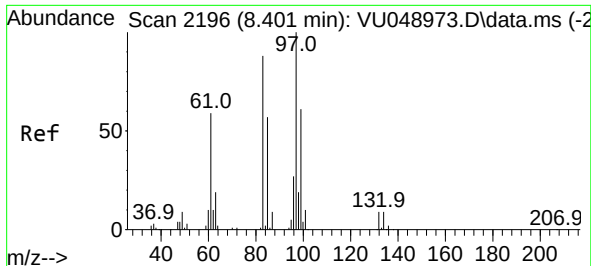
Delta R.T. 0.000 min

Lab File: VU048982.D

Acq: 09 Jun 2022 17:41

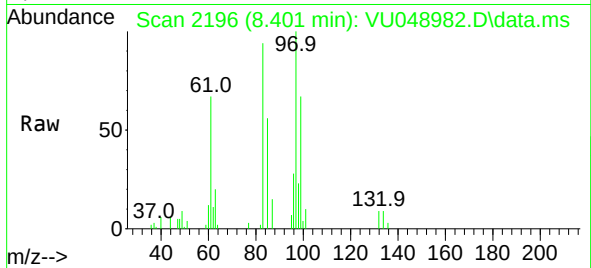
Tgt Ion: 91	Resp: 976725
Ion Ratio	Lower Upper
91 100	
92 58.7	41.4 77.0





#45
1,1,2-Trichloroethane
Concen: 5.416 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048982.D
Acq: 09 Jun 2022 17:41

Instrument :
MSVOA_U
ClientSampleId :
EXYX7



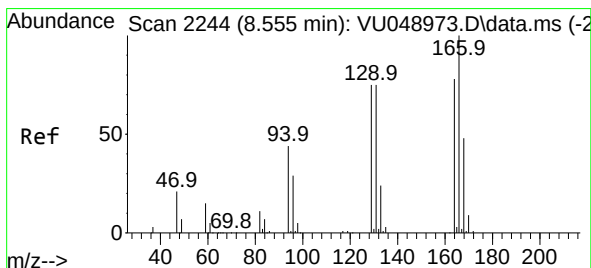
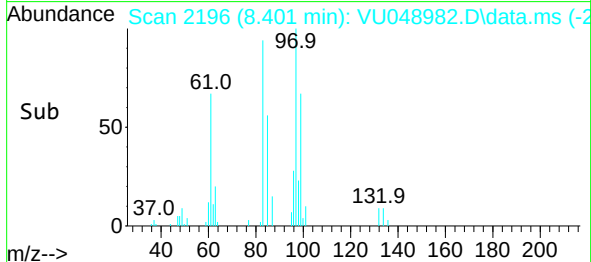
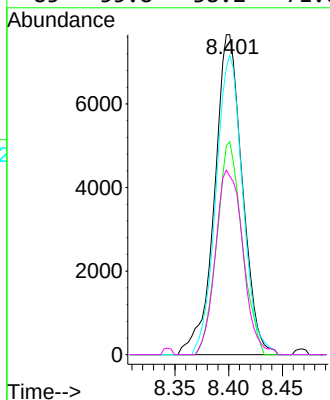
Tgt Ion: 97	Resp: 1376
Ion Ratio	Lower Upper
97 100	
99 66.6	42.2 78.4
83 93.5	58.4 108.6
85 55.8	38.2 71.0

Manual Integrations
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Reviewed By :Krupa
Patel

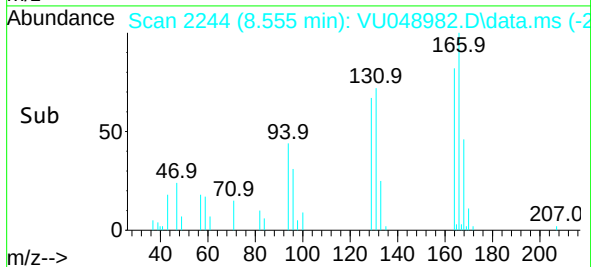
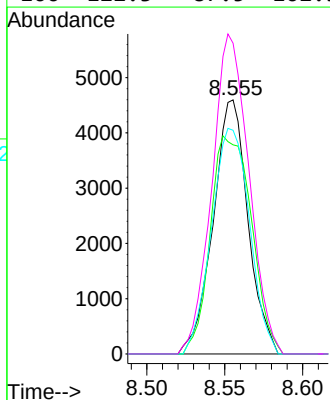
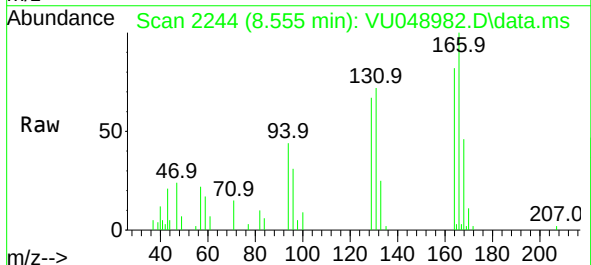
06/16/2022
Supervised By :Mahesh
Dadoda

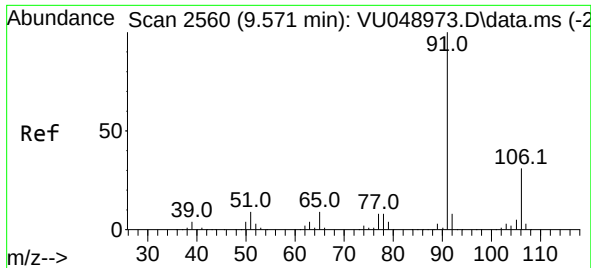
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#46
Tetrachloroethene
Concen: 3.262 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU048982.D
Acq: 09 Jun 2022 17:41

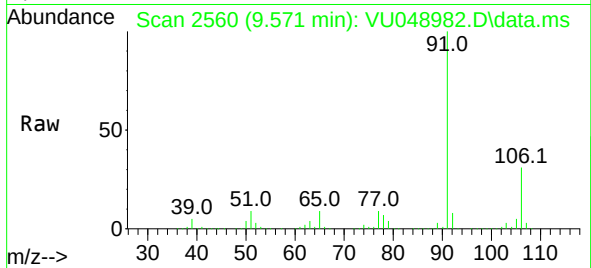
Tgt Ion:164	Resp: 7149
Ion Ratio	Lower Upper
164 100	
129 82.3	64.3 119.3
131 88.0	64.5 119.7
166 122.3	87.5 162.5





#52
Ethylbenzene
Concen: 261.606 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048982.D
Acq: 09 Jun 2022 17:41

Instrument :
MSVOA_U
ClientSampleId :
EXYX7



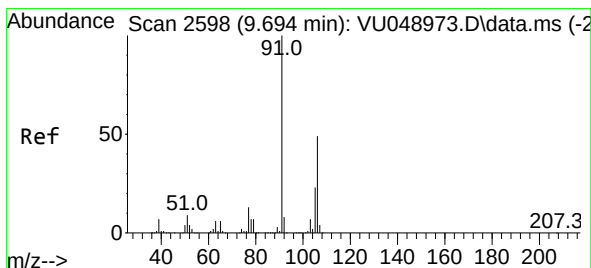
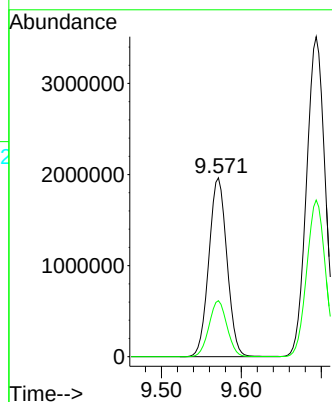
Tgt Ion: 91 Resp: 309299
Ion Ratio Lower Upper
91 100
106 31.3 21.8 40.6

Manual Integrations
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Reviewed By :Krupa
Patel

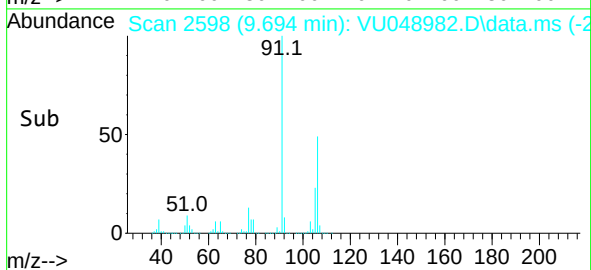
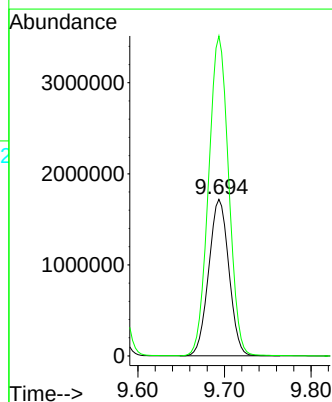
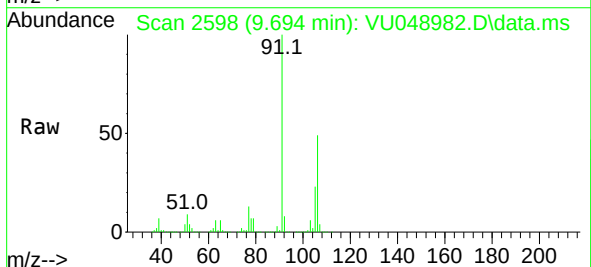
06/16/2022
Supervised By :Mahesh
Dadoda

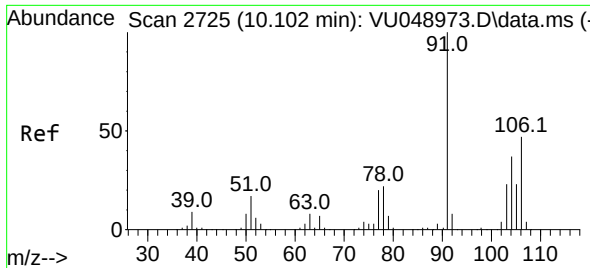
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#53
m,p-Xylene
Concen: 585.111 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU048982.D
Acq: 09 Jun 2022 17:41

Tgt Ion:106 Resp: 2780071
Ion Ratio Lower Upper
106 100
91 204.3 141.8 263.4





#54
o-Xylene
Concen: 320.476 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048982.D
Acq: 09 Jun 2022 17:41

Instrument :
MSVOA_U
ClientSampleId :
EXYX7

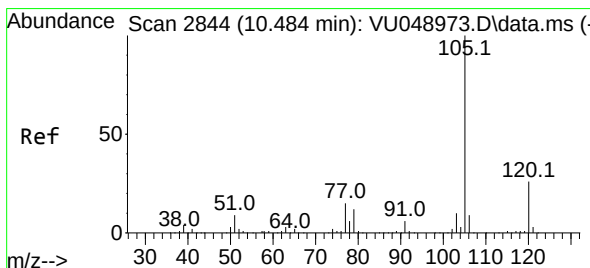
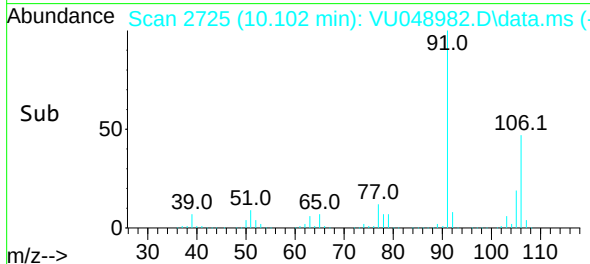
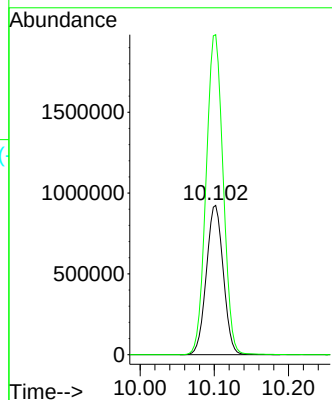
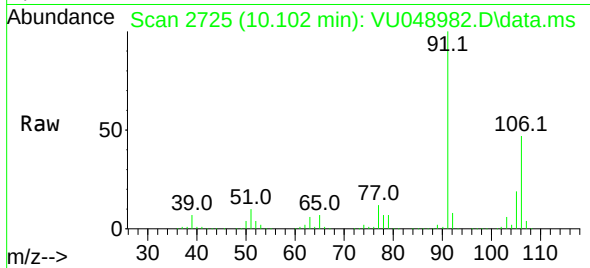
Tgt Ion:106 Resp: 145876
Ion Ratio Lower Upper
106 100
91 214.4 150.1 278.9

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Patel

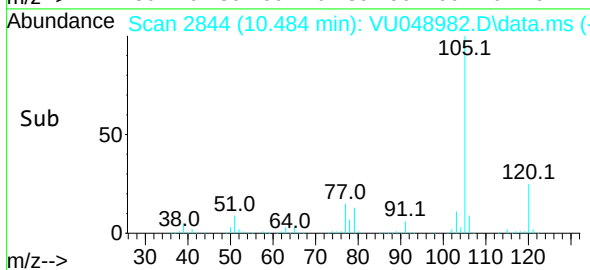
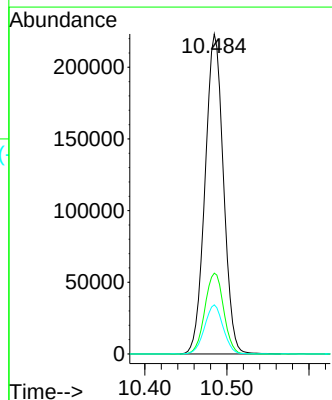
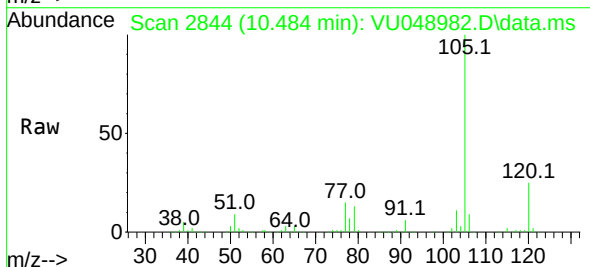
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Supervised By :Mahesh
Dadoda

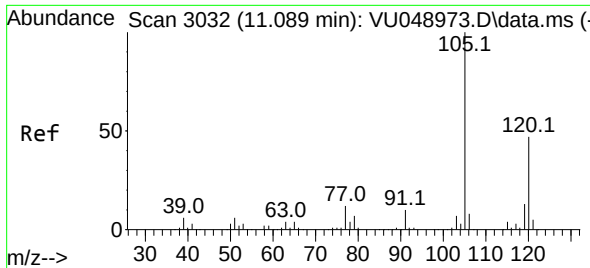
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#61
Isopropylbenzene
Concen: 31.074 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048982.D
Acq: 09 Jun 2022 17:41

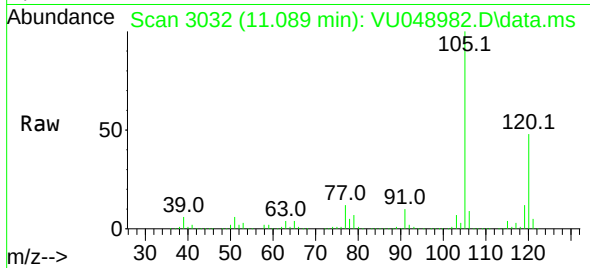
Tgt Ion:105 Resp: 346337
Ion Ratio Lower Upper
105 100
120 25.8 21.0 31.6
77 15.5 12.5 18.7





#62
1,3,5-Trimethylbenzene
Concen: 344.599 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU048982.D
Acq: 09 Jun 2022 17:41

Instrument :
MSVOA_U
ClientSampleId :
EXYX7



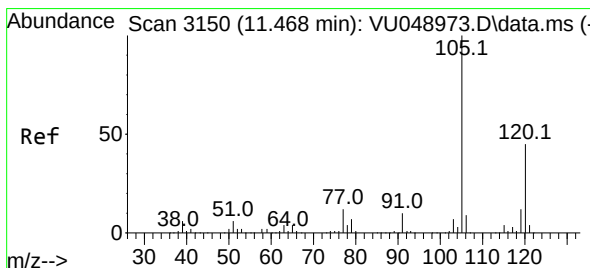
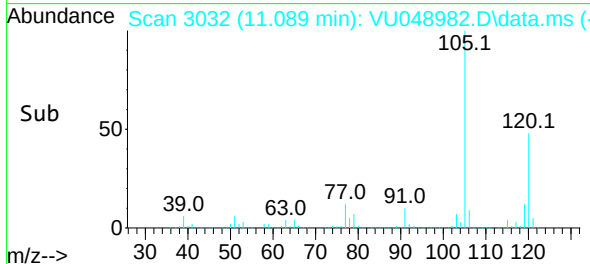
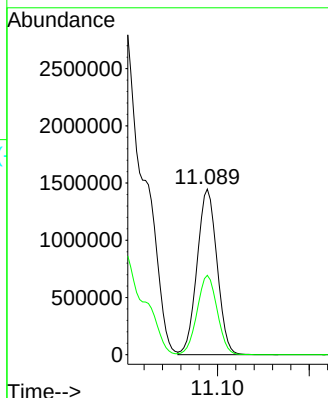
Tgt Ion:105 Resp: 2183520
Ion Ratio Lower Upper
105 100
120 48.2 38.5 57.7

Manual Integrations
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Patel

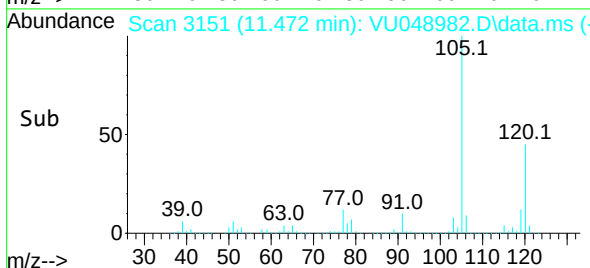
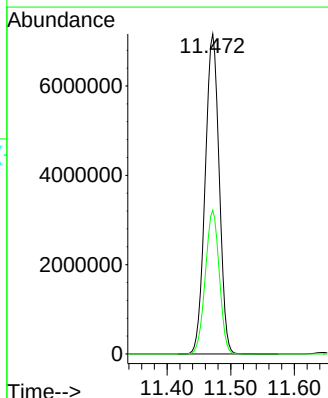
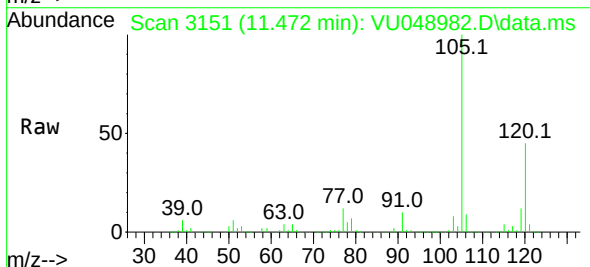
06/16/2022
Supervised By :Mahesh
Dadoda

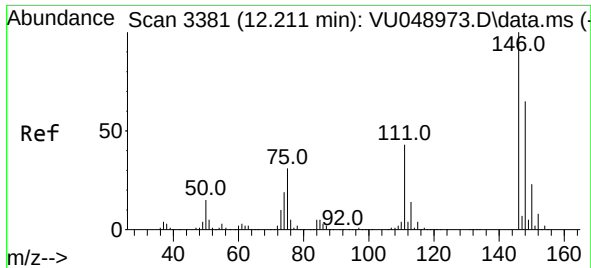
06/16/2022



#63
1,2,4-Trimethylbenzene
Concen: 1110.834 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU048982.D
Acq: 09 Jun 2022 17:41

Tgt Ion:105 Resp:10945140
Ion Ratio Lower Upper
105 100
120 44.7 35.4 53.2





#67

1,2-Dichlorobenzene

Concen: 19.402 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU048982.D

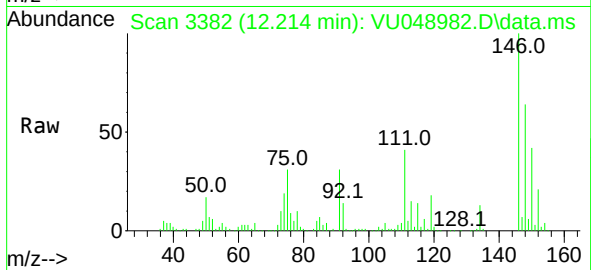
Acq: 09 Jun 2022 17:41

Instrument :

MSVOA_U

ClientSampleId :

EXYX7



Tgt Ion:146 Resp: 113424

Ion Ratio Lower Upper

146 100

111 41.2 34.1 51.1

148 63.7 50.9 76.3

Manual Integrations

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Reviewed By :Krupa
Patel

06/16/2022

Supervised By :Mahesh
Dadoda

06/16/2022

