

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039641.D
 Acq On : 21 Sep 2022 19:00
 Operator : SY/AP
 Sample : N4669-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF3DUP

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/28/2022
 Supervised By :Mahesh Dadoda 09/28/2022

Quant Time: Sep 22 08:18:19 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Mon Sep 19 14:26:28 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1081374	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2707141	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.484	117	2484361	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	1954103	10.537	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.758	85	88206	0.704	ppbv	98
4) Chloromethane	2.845	50	31797	0.411	ppbv #	86
9) Propene	2.735	41	420972m	7.183	ppbv	
11) Trichlorofluoromethane	3.591	101	32051	0.206	ppbv	89
12) 1,1,2-Trichlorotrifluo...	4.089	101	7449m	0.064	ppbv	
13) Ethanol	3.266	45	517582	115.902	ppbv	73
15) Acetone	3.491	43	2902277	24.119	ppbv	99
20) Methylene Chloride	3.957	84	1743829	31.345	ppbv	94
26) Hexane	5.237	57	600607	5.394	ppbv #	43
29) Chloroform	5.298	83	123118	0.766	ppbv	88
34) 2-Butanone	4.816	43	174396	1.312	ppbv	94
35) Carbon Tetrachloride	6.520	117	13966m	0.097	ppbv	
36) Benzene	6.388	78	53309	0.258	ppbv	96
37) 1,2-Dichloroethane	5.825	62	20070m	0.178	ppbv	
43) Methyl Methacrylate	7.491	69	84686m	1.122	ppbv	
53) Toluene	9.237	91	867848	3.770	ppbv	100
58) Ethyl Benzene	12.108	91	114673	0.400	ppbv	97
59) m/p-Xylene	12.362	91	298162m	1.170	ppbv	
60) o-Xylene	13.073	91	99136	0.407	ppbv	94
61) Styrene	12.918	104	50354	0.384	ppbv	94
73) 1,3,5-Trimethylbenzene	15.368	105	60793	0.239	ppbv	90
74) 1,2,4-Trimethylbenzene	16.121	105	197694	0.694	ppbv #	73
76) 1,4-Dichlorobenzene	16.487	146	66971m	0.394	ppbv	
79) Naphthalene	21.397	128	1509544	8.024	ppbv	99

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

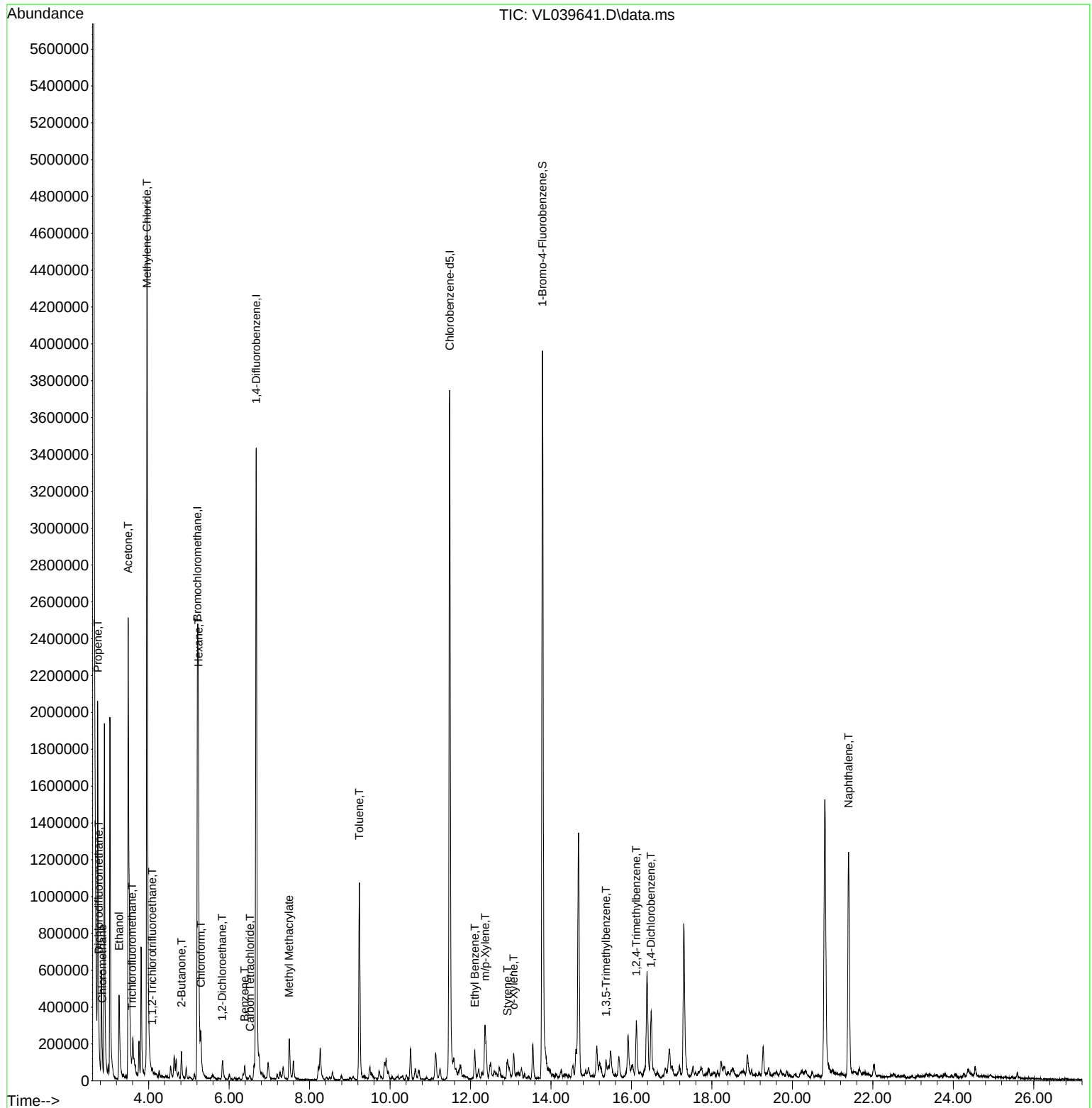
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
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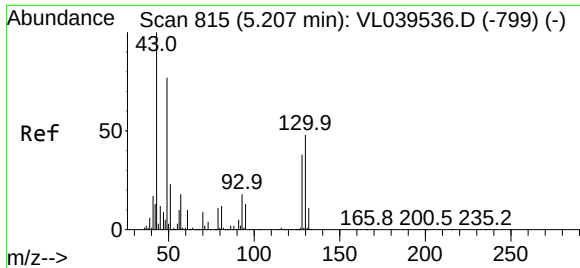
Instrument :
MSVOA_L
ClientSampleId :
C0PF3DUP

Quant Time: Sep 22 08:18:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration

Manual Integrations
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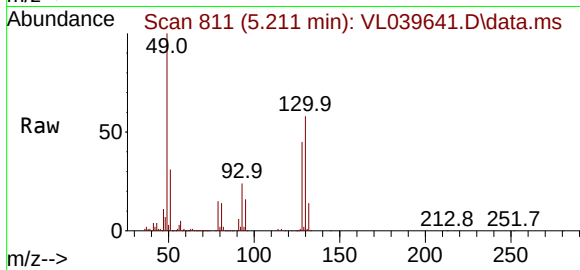
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022





#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.211 min Scan# 81
 Delta R.T. 0.004 min
 Lab File: VL039641.D
 Acq: 21 Sep 2022 19:00

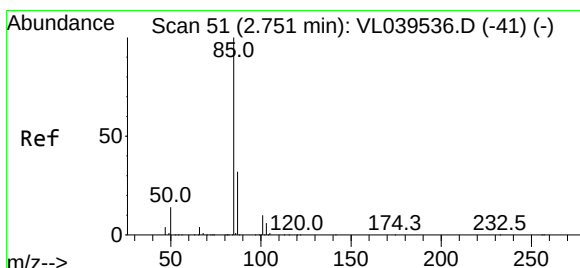
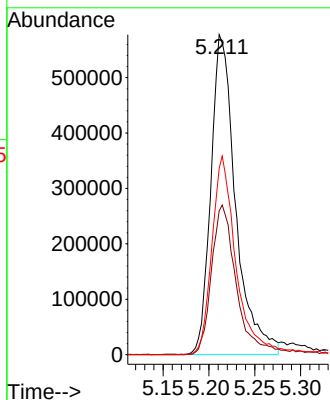
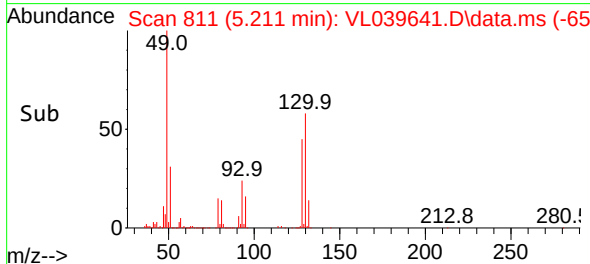
Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF3DUP



Tgt Ion: 49 Resp: 1081374
 Ion Ratio Lower Upper
 49 100
 128 48.6 26.7 80.0
 130 62.5 34.3 102.8

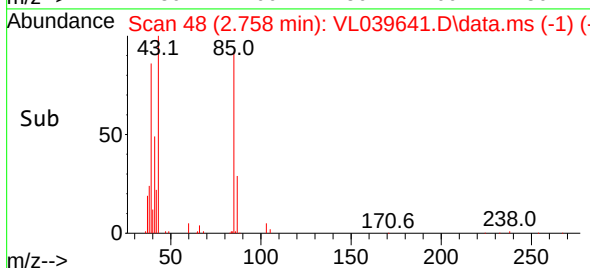
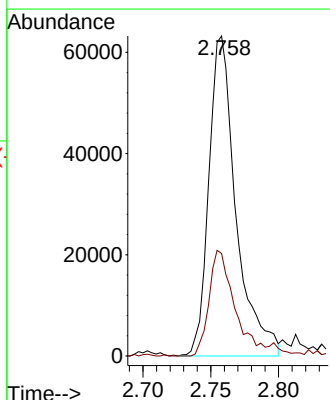
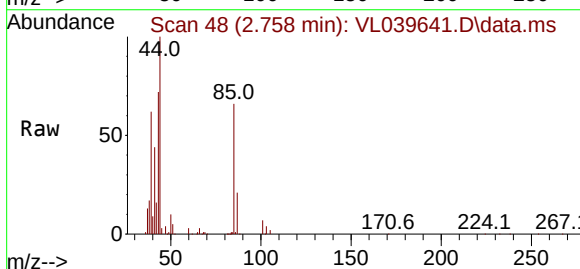
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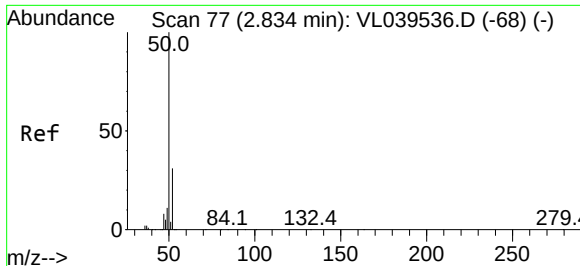
Reviewed By :Krupa Patel 09/28/2022
 Supervised By :Mahesh Dadoda 09/28/2022



#2
 Dichlorodifluoromethane
 Concen: 0.704 ppbv
 RT: 2.758 min Scan# 48
 Delta R.T. 0.007 min
 Lab File: VL039641.D
 Acq: 21 Sep 2022 19:00

Tgt Ion: 85 Resp: 88206
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.7 40.1





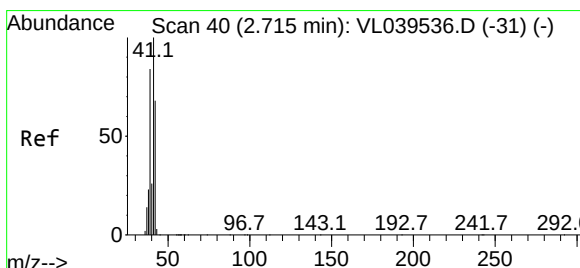
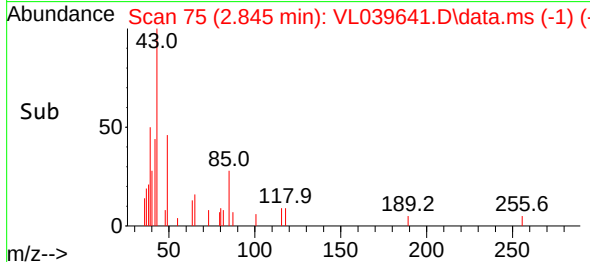
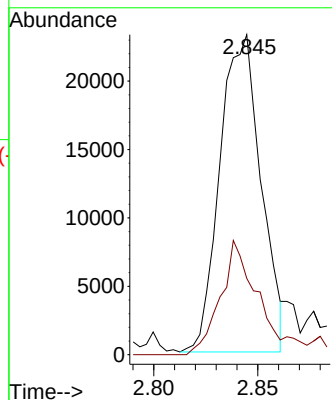
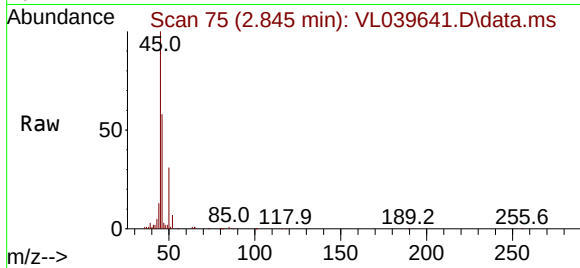
#4
Chloromethane
Concen: 0.411 ppbv
RT: 2.845 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

Instrument :
MSVOA_L
ClientSampleId :
C0PF3DUP

Tgt Ion: 50 Resp: 3179
Ion Ratio Lower Upper
50 100
52 25.2 26.5 39.7

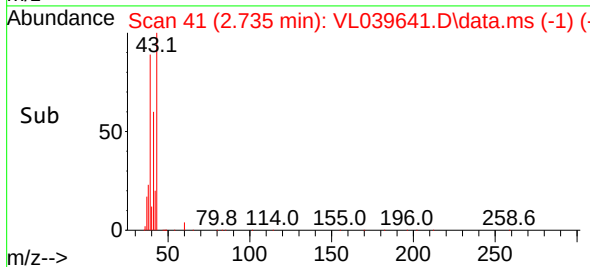
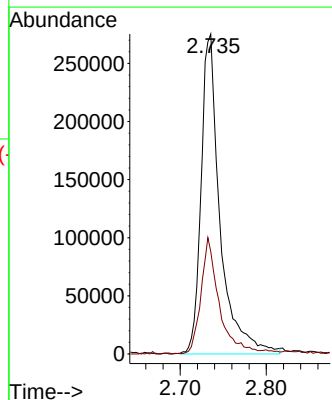
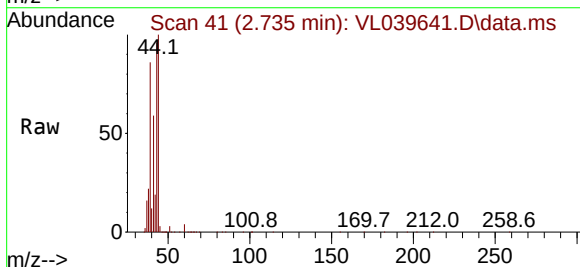
Manual Integrations
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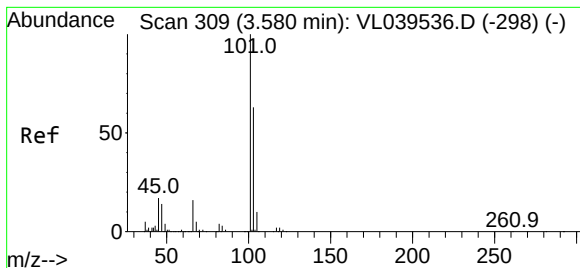
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#9
Propene
Concen: 7.183 ppbv m
RT: 2.735 min Scan# 41
Delta R.T. 0.020 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

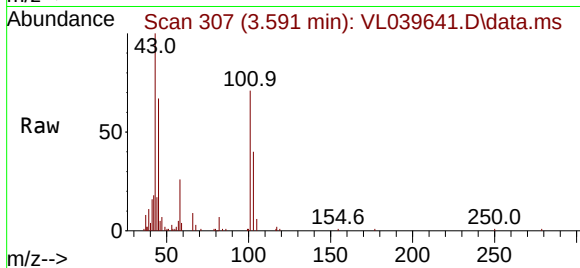
Tgt Ion: 41 Resp: 420972
Ion Ratio Lower Upper
41 100
42 92.3 55.2 82.8





#11
Trichlorofluoromethane
Concen: 0.206 ppbv
RT: 3.591 min Scan# 309
Delta R.T. 0.010 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

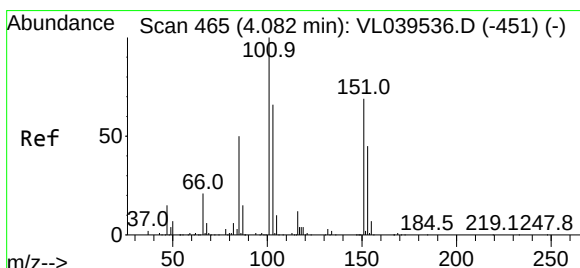
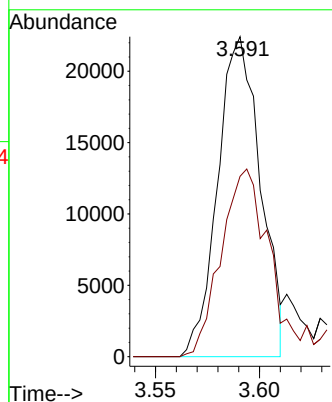
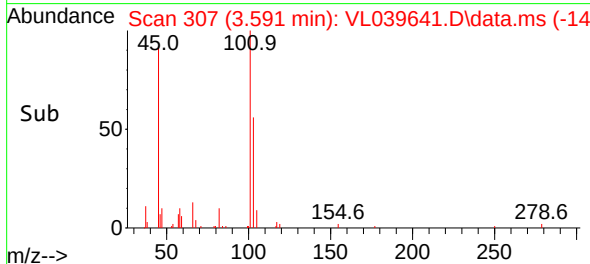
Instrument :
MSVOA_L
ClientSampleId :
C0PF3DUP



Tgt Ion:101 Resp: 3205
Ion Ratio Lower Upper
101 100
103 56.3 51.8 77.8

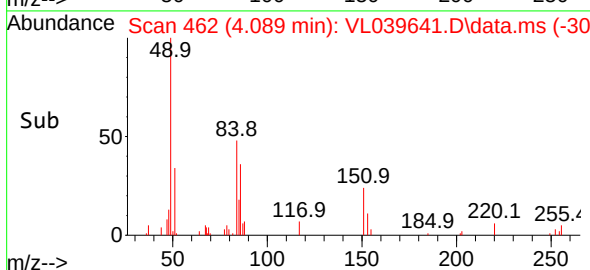
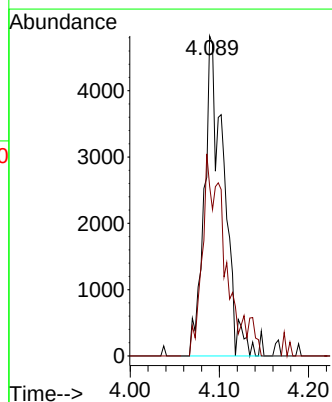
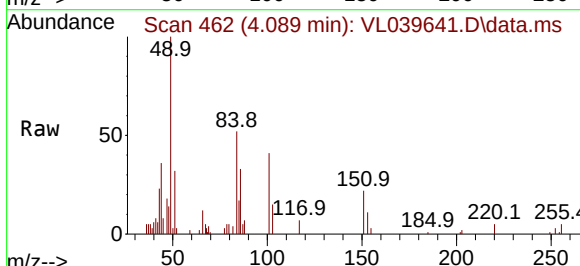
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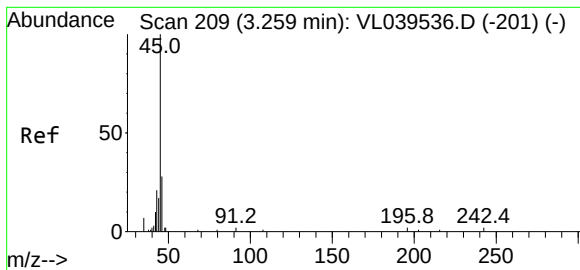
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.064 ppbv m
RT: 4.089 min Scan# 462
Delta R.T. 0.007 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

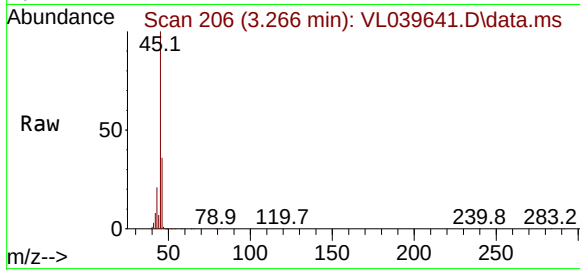
Tgt Ion:101 Resp: 7449
Ion Ratio Lower Upper
101 100
151 74.2 58.9 88.3





#13
Ethanol
Concen: 115.902 ppbv
RT: 3.266 min Scan# 206
Delta R.T. 0.007 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

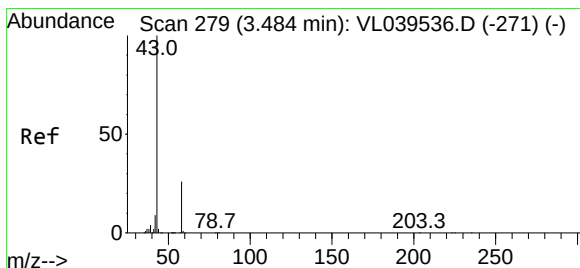
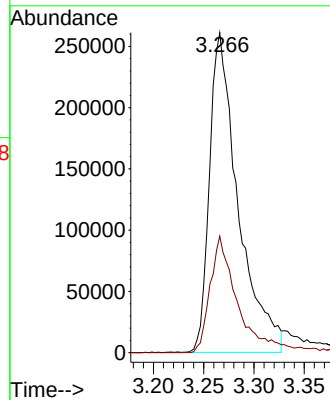
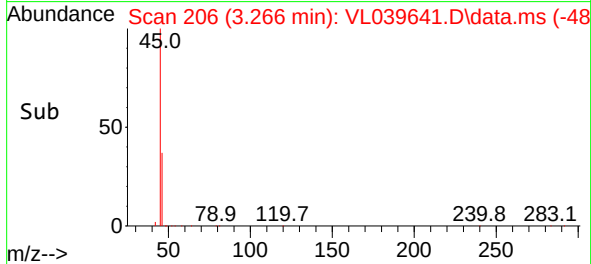
Instrument :
MSVOA_L
ClientSampleId :
C0PF3DUP



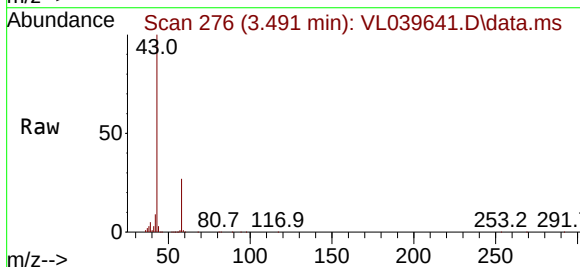
Tgt Ion: 45 Resp: 51758
Ion Ratio Lower Upper
45 100
46 37.1 22.8 91.2

Manual Integrations
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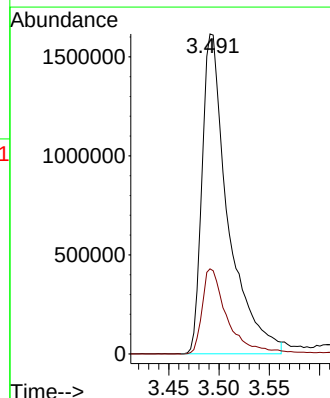
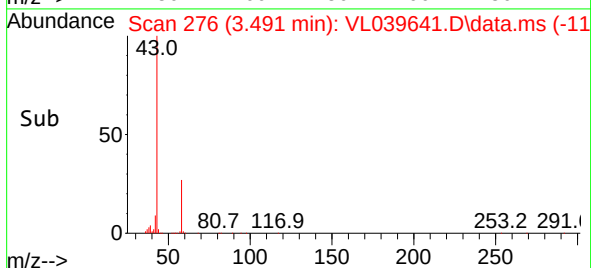
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

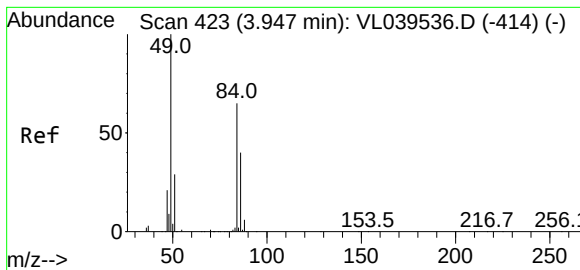


#15
Acetone
Concen: 24.119 ppbv
RT: 3.491 min Scan# 276
Delta R.T. 0.007 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00



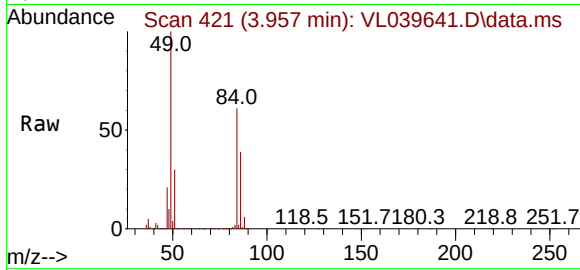
Tgt Ion: 43 Resp: 2902277
Ion Ratio Lower Upper
43 100
58 27.0 21.0 31.6





#20
Methylene Chloride
Concen: 31.345 ppbv
RT: 3.957 min Scan# 419
Delta R.T. 0.010 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

Instrument :
MSVOA_L
ClientSampleId :
C0PF3DUP

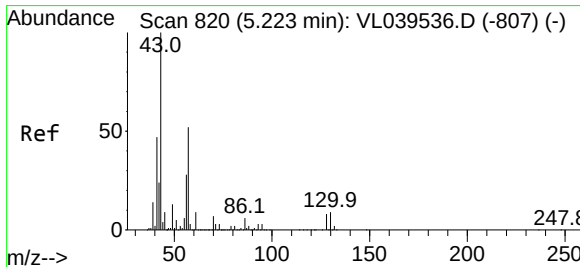
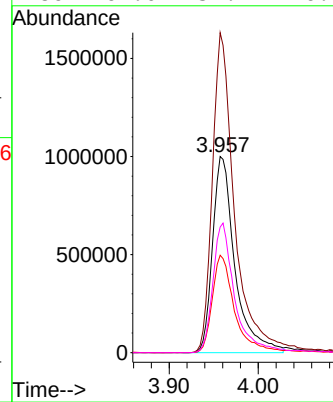
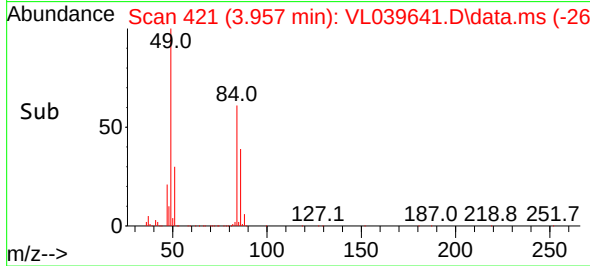


Tgt Ion: 84 Resp: 1743829

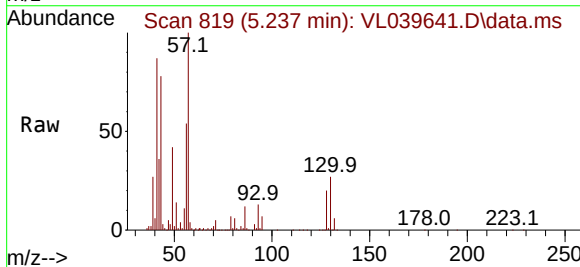
Ion	Ratio	Lower	Upper
84	100		
49	163.1	123.1	184.7
51	49.6	34.4	51.6
86	64.0	51.1	76.7

Manual Integrations
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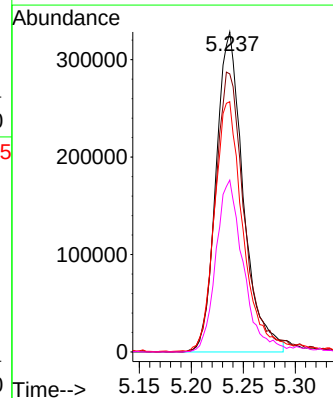
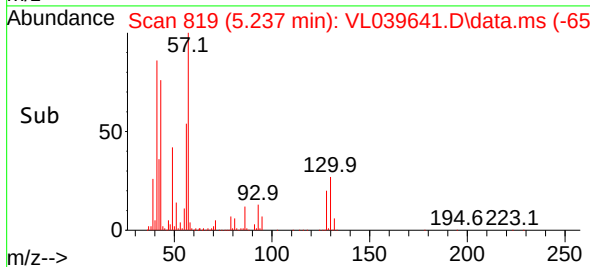


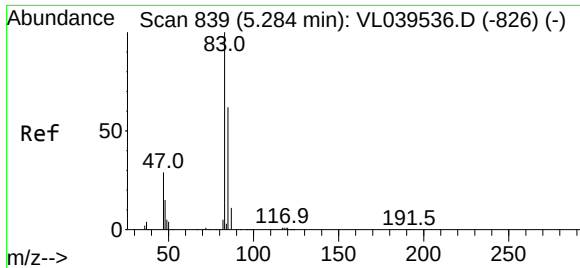
#26
Hexane
Concen: 5.394 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.014 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00



Tgt Ion: 57 Resp: 600607

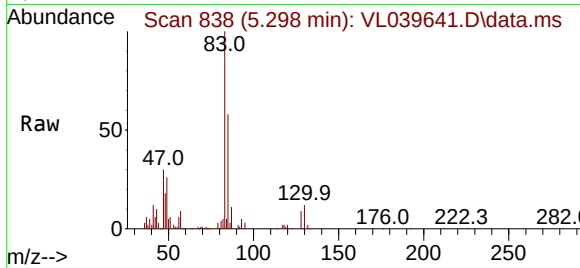
Ion	Ratio	Lower	Upper
57	100		
41	94.5	76.9	115.3
43	84.3	191.0	286.6#
56	55.5	43.2	64.8





#29
Chloroform
Concen: 0.766 ppbv
RT: 5.298 min Scan# 81
Delta R.T. 0.014 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

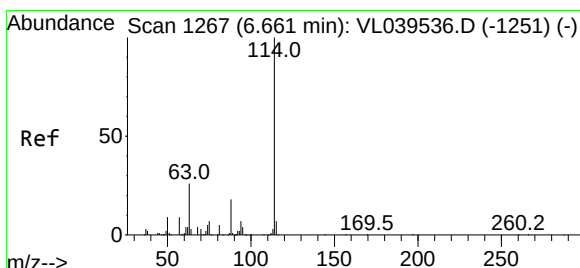
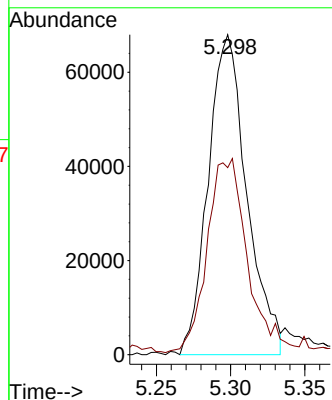
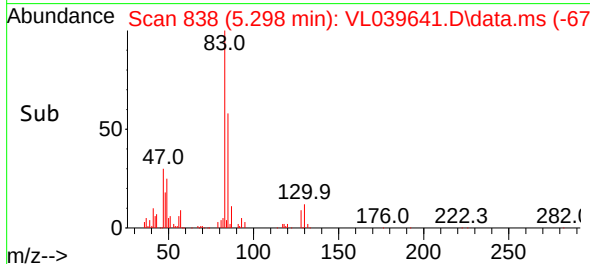
Instrument :
MSVOA_L
ClientSampleId :
COPF3DUP



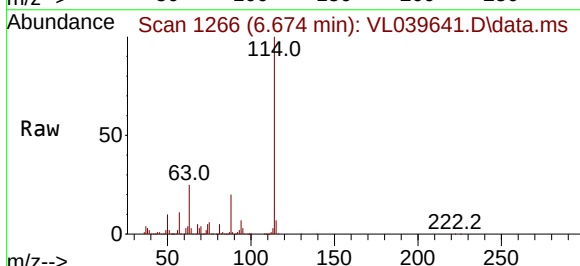
Tgt Ion: 83 Resp: 123118
Ion Ratio Lower Upper
83 100
85 56.6 52.8 79.2

Manual Integrations
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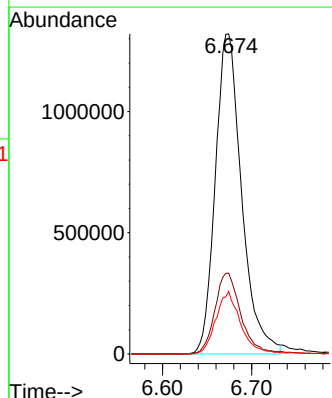
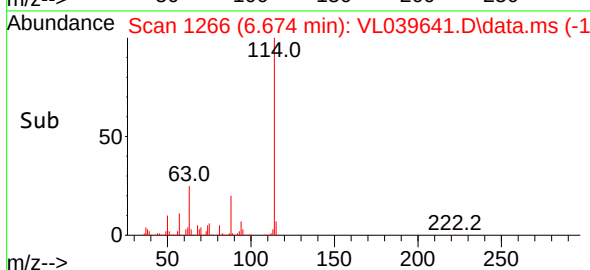
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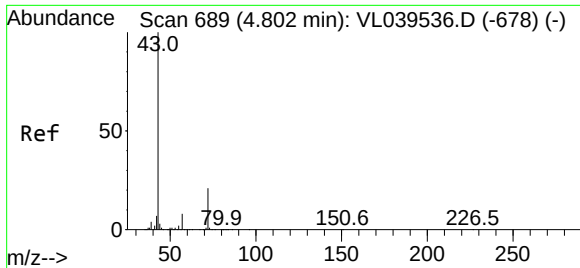


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. 0.014 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00



Tgt Ion:114 Resp: 2707141
Ion Ratio Lower Upper
114 100
63 25.3 20.2 30.4
88 18.7 14.5 21.7





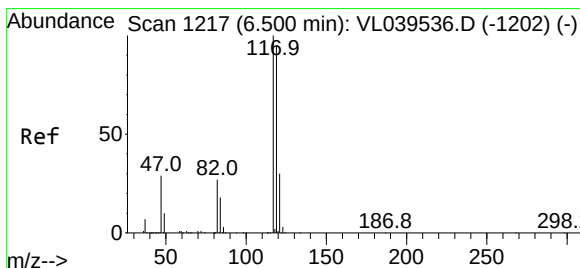
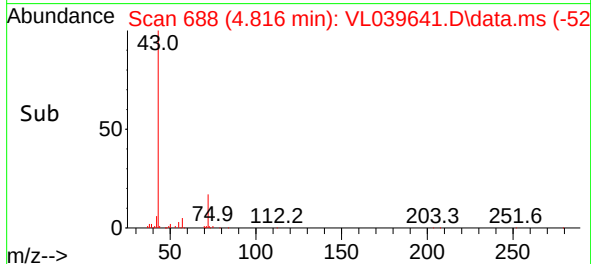
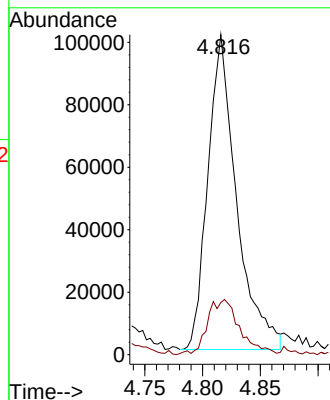
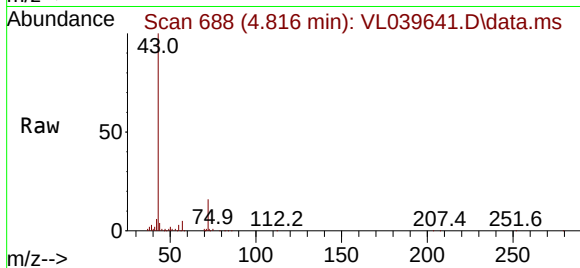
#34
2-Butanone
Concen: 1.312 ppbv
RT: 4.816 min Scan# 688
Delta R.T. 0.014 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

Instrument :
MSVOA_L
ClientSampleId :
COPF3DUP

Tgt Ion: 43 Resp: 174390
Ion Ratio Lower Upper
43 100
72 19.7 17.9 26.9

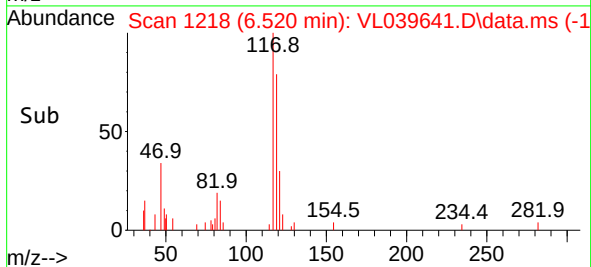
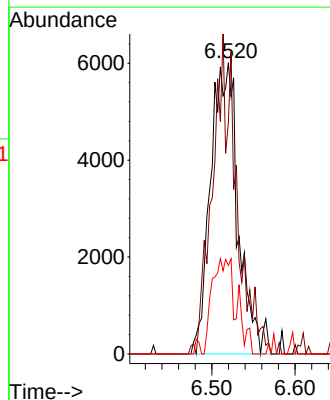
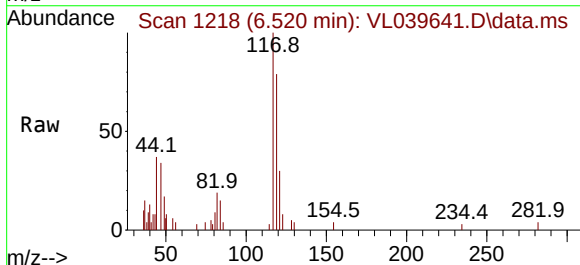
Manual Integrations
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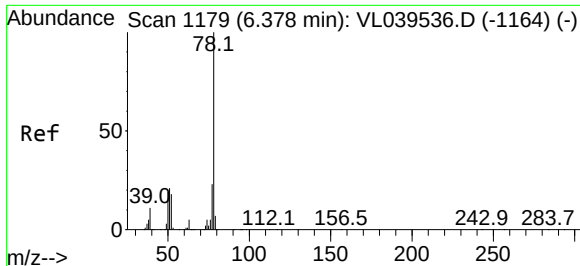
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#35
Carbon Tetrachloride
Concen: 0.097 ppbv m
RT: 6.520 min Scan# 1218
Delta R.T. 0.020 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

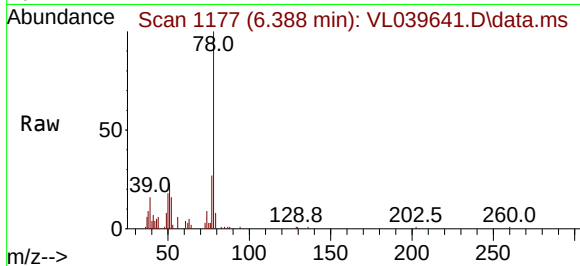
Tgt Ion:117 Resp: 13966
Ion Ratio Lower Upper
117 100
119 79.4 75.4 113.2
121 30.5 24.2 36.2





#36
Benzene
Concen: 0.258 ppbv
RT: 6.388 min Scan# 1177
Delta R.T. 0.010 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

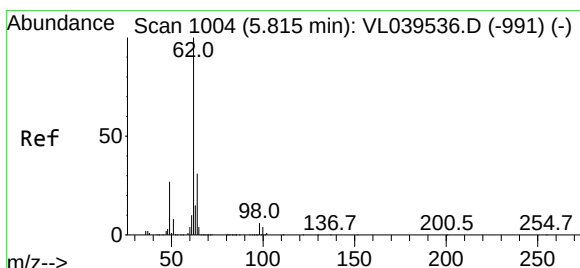
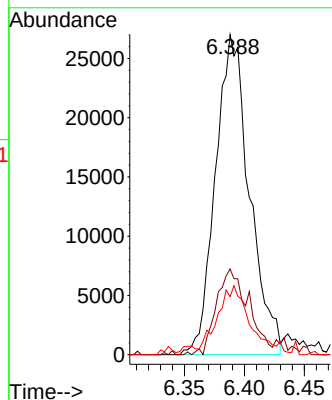
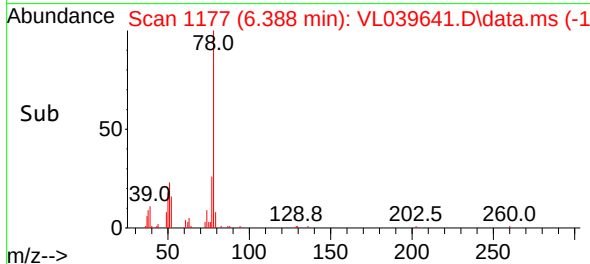
Instrument :
MSVOA_L
ClientSampleId :
C0PF3DUP



Tgt Ion: 78 Resp: 53309
Ion Ratio Lower Upper
78 100
77 26.8 20.3 30.5
50 17.2 15.5 23.3

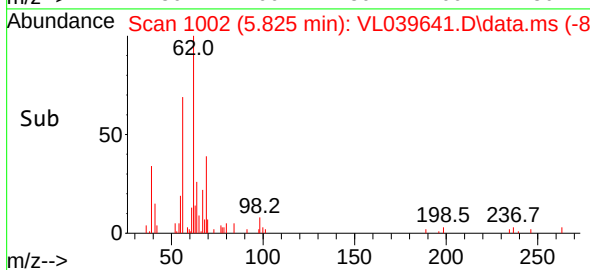
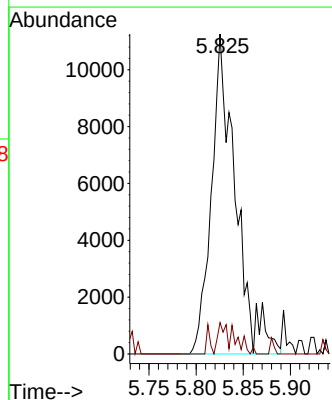
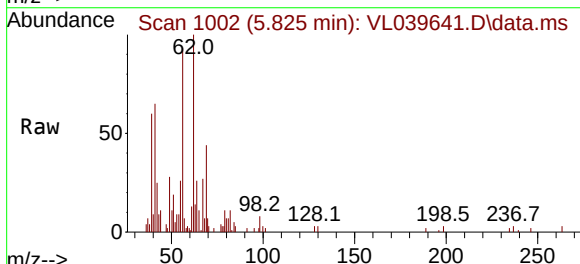
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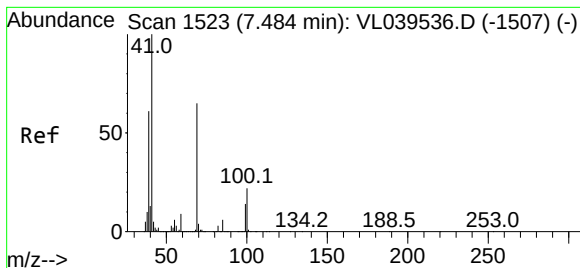
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#37
1,2-Dichloroethane
Concen: 0.178 ppbv m
RT: 5.825 min Scan# 1002
Delta R.T. 0.010 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

Tgt Ion: 62 Resp: 20070
Ion Ratio Lower Upper
62 100
98 7.7 5.1 7.7#





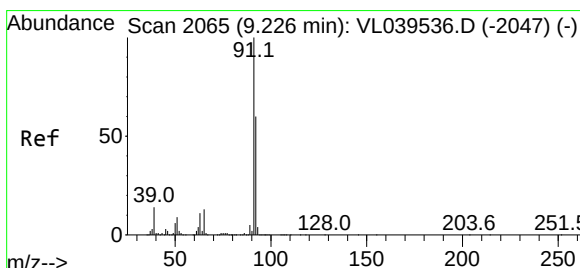
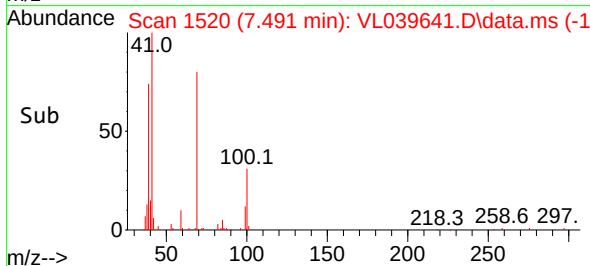
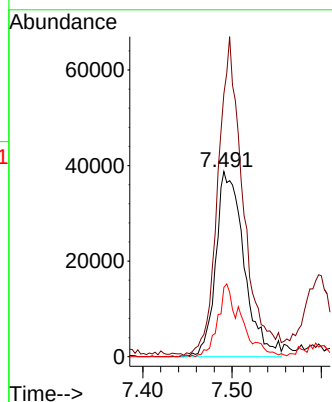
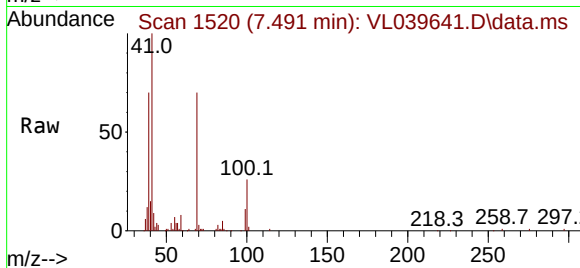
#43
Methyl Methacrylate
Concen: 1.122 ppbv
RT: 7.491 min Scan# 1523
Delta R.T. 0.007 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

Instrument :
MSVOA_L
ClientSampleId :
C0PF3DUP

Tgt Ion: 69 Resp: 8468
Ion Ratio Lower Upper
69 100
41 154.9 120.8 181.2
100 33.7 27.8 41.6

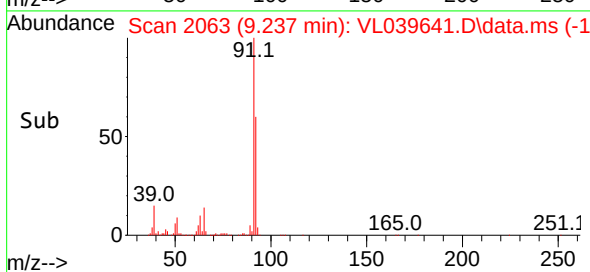
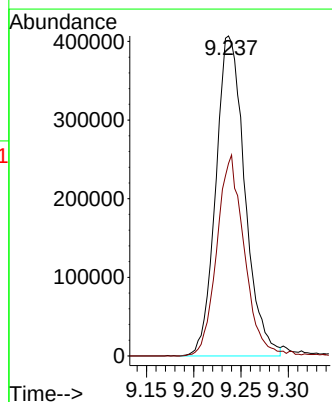
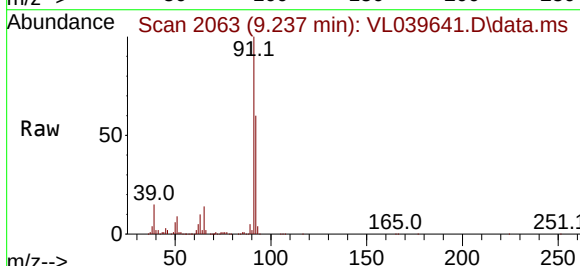
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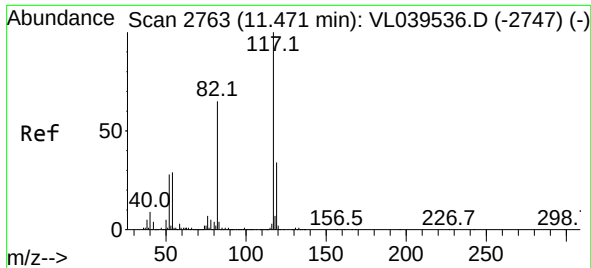
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#53
Toluene
Concen: 3.770 ppbv
RT: 9.237 min Scan# 2063
Delta R.T. 0.010 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

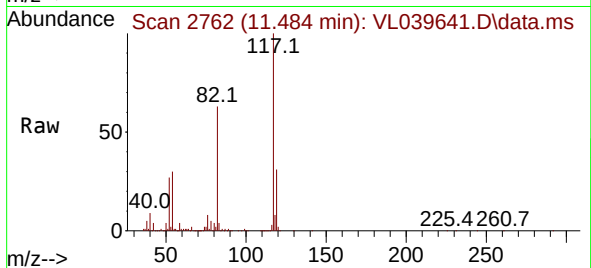
Tgt Ion: 91 Resp: 867848
Ion Ratio Lower Upper
91 100
92 60.2 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 21
Delta R.T. 0.014 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

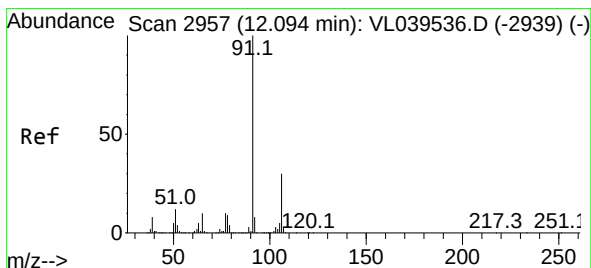
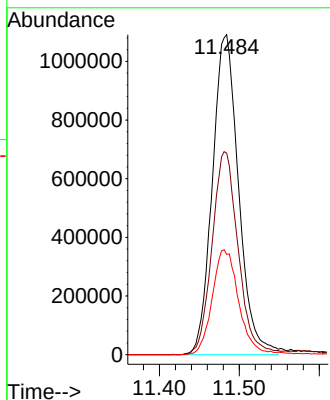
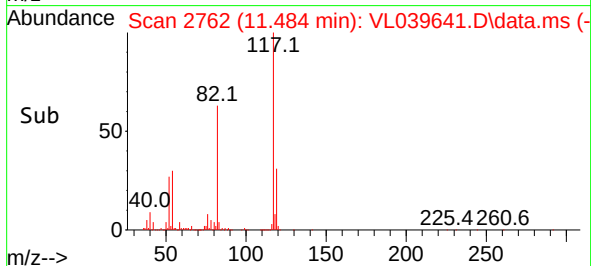
Instrument :
MSVOA_L
ClientSampleId :
C0PF3DUP



Tgt Ion: 117 Resp: 248436
Ion Ratio Lower Upper
117 100
82 63.7 50.8 76.2
119 33.7 24.1 36.1

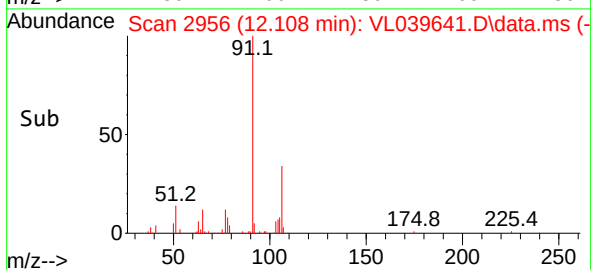
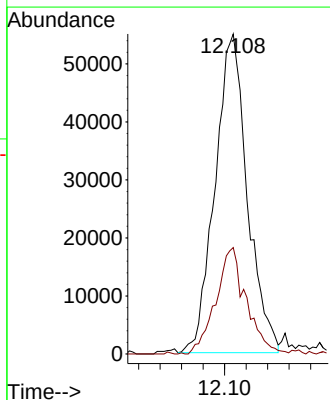
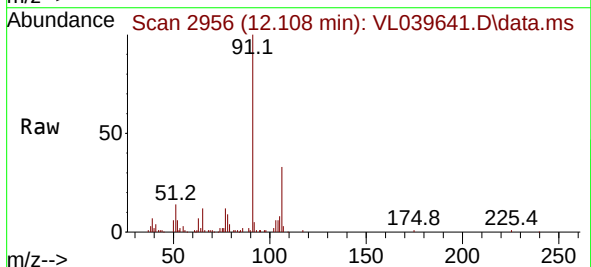
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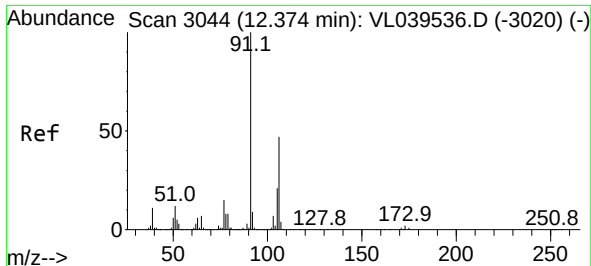
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#58
Ethyl Benzene
Concen: 0.400 ppbv
RT: 12.108 min Scan# 2956
Delta R.T. 0.014 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

Tgt Ion: 91 Resp: 114673
Ion Ratio Lower Upper
91 100
106 33.4 25.4 38.0





#59

m/p-Xylene

Concen: 1.170 ppbv m

RT: 12.362 min Scan# 3044

Delta R.T. -0.012 min

Lab File: VL039641.D

Acq: 21 Sep 2022 19:00

Instrument :

MSVOA_L

ClientSampleId :

C0PF3DUP

Tgt Ion: 91 Resp: 29816

Ion Ratio Lower Upper

91 100

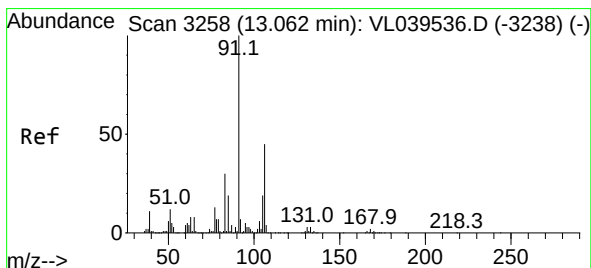
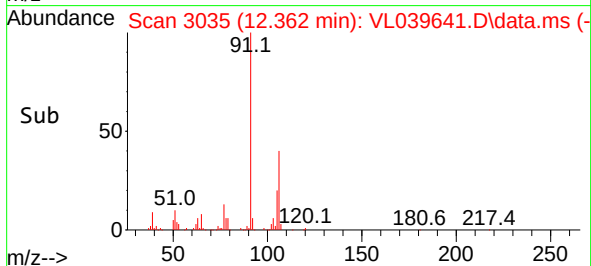
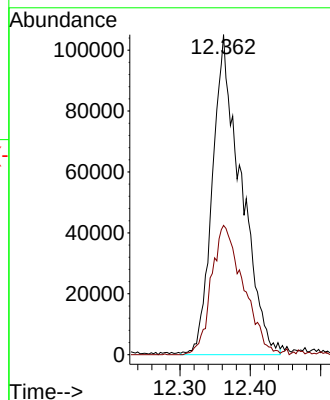
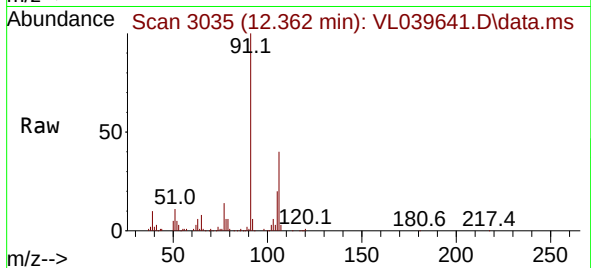
106 0.0 35.4 53.2

Manual Integrations

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Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022



#60

o-Xylene

Concen: 0.407 ppbv

RT: 13.073 min Scan# 3256

Delta R.T. 0.010 min

Lab File: VL039641.D

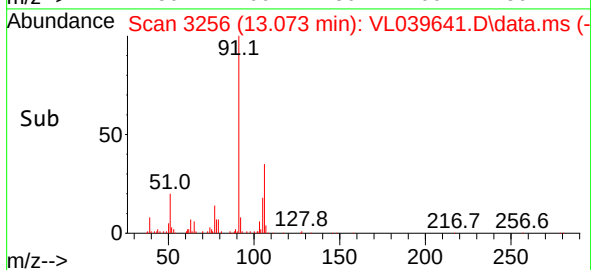
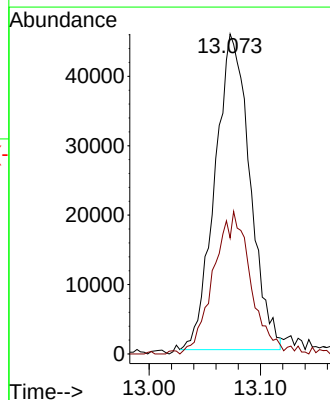
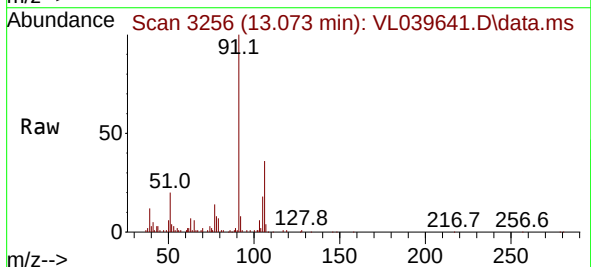
Acq: 21 Sep 2022 19:00

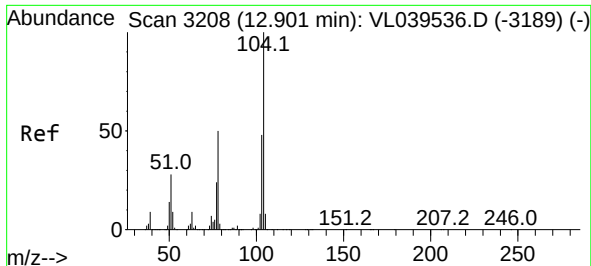
Tgt Ion: 91 Resp: 99136

Ion Ratio Lower Upper

91 100

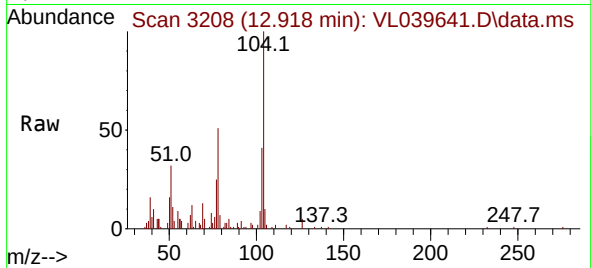
106 48.8 22.4 67.3





#61
Styrene
Concen: 0.384 ppbv
RT: 12.918 min Scan# 31
Delta R.T. 0.017 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

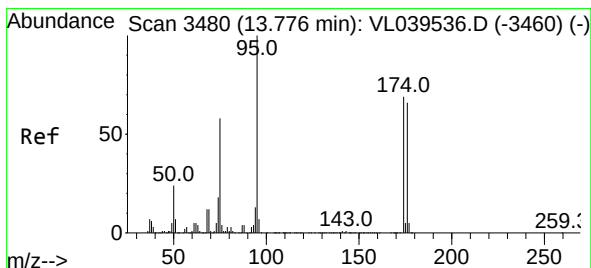
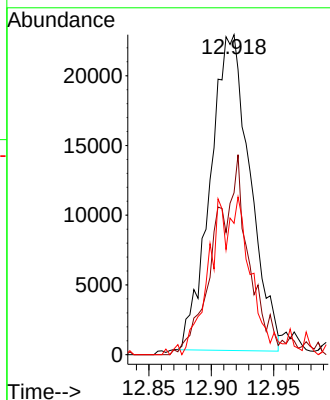
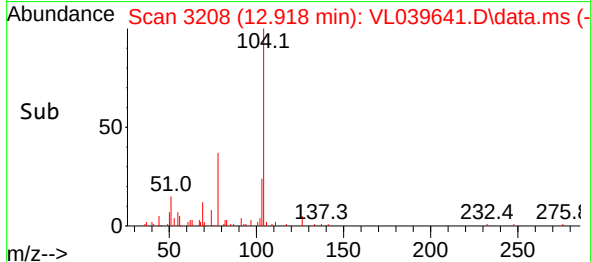
Instrument :
MSVOA_L
ClientSampleId :
C0PF3DUP



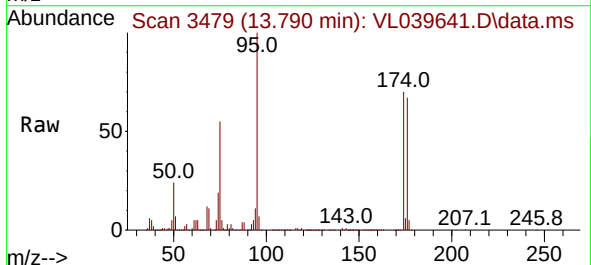
Tgt Ion:104 Resp: 50354
Ion Ratio Lower Upper
104 100
78 56.9 41.2 61.8
103 51.1 38.7 58.1

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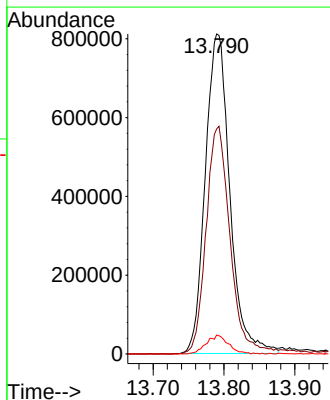
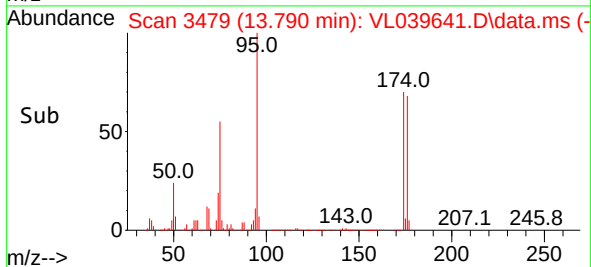
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

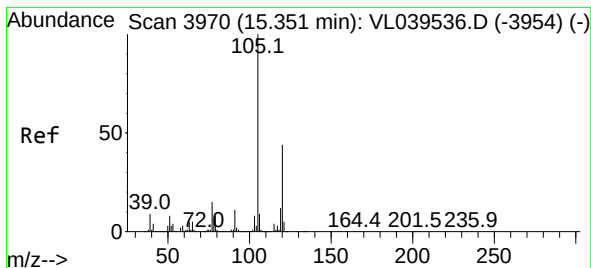


#68
1-Bromo-4-Fluorobenzene
Concen: 10.537 ppbv
RT: 13.790 min Scan# 3479
Delta R.T. 0.014 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00



Tgt Ion: 95 Resp: 1954103
Ion Ratio Lower Upper
95 100
174 70.5 55.9 83.9
175 5.4 4.2 6.4





#73

1,3,5-Trimethylbenzene

Concen: 0.239 ppbv

RT: 15.368 min Scan# 3970

Delta R.T. 0.017 min

Lab File: VL039641.D

Acq: 21 Sep 2022 19:00

Instrument :

MSVOA_L

ClientSampleId :

C0PF3DUP

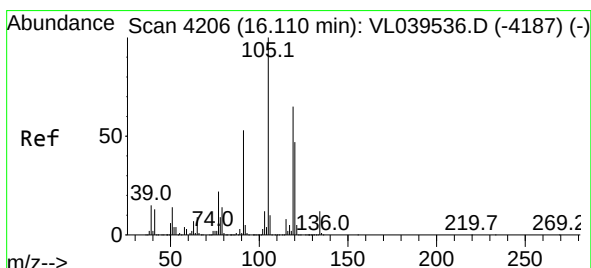
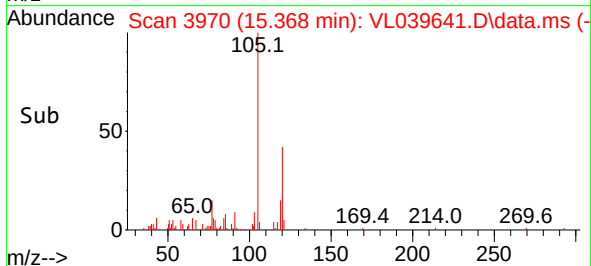
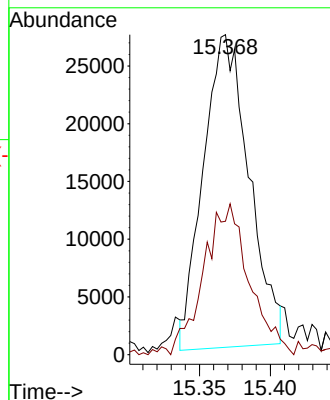
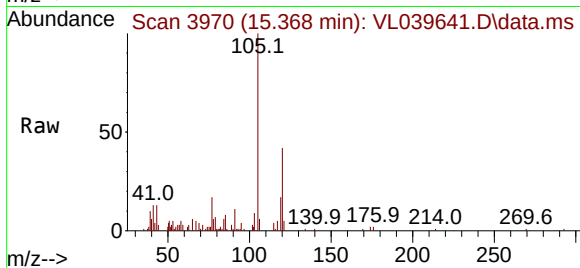
Tgt Ion:105 Resp: 60793
 Ion Ratio Lower Upper
 105 100
 120 41.3 38.2 57.4

Manual Integrations

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Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.694 ppbv

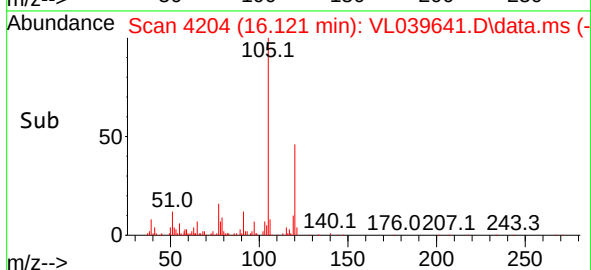
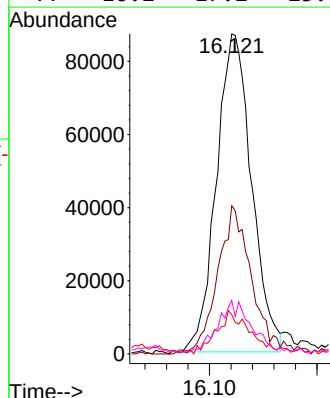
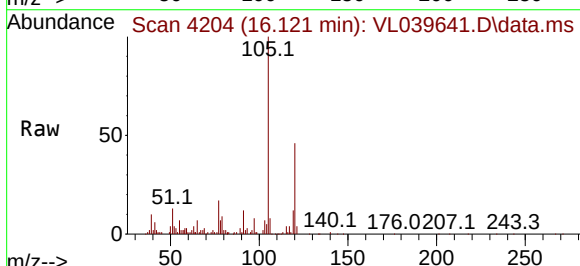
RT: 16.121 min Scan# 4204

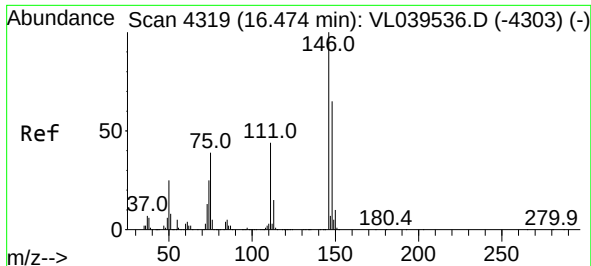
Delta R.T. 0.010 min

Lab File: VL039641.D

Acq: 21 Sep 2022 19:00

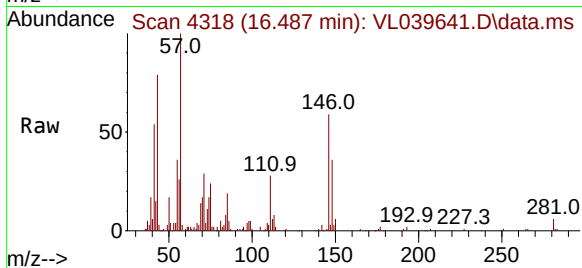
Tgt Ion:105 Resp: 197694
 Ion Ratio Lower Upper
 105 100
 120 46.2 39.5 59.3
 91 11.1 39.2 58.8#
 77 16.2 17.2 25.8#





#76
1,4-Dichlorobenzene
Concen: 0.394 ppbv m
RT: 16.487 min Scan# 4319
Delta R.T. 0.014 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

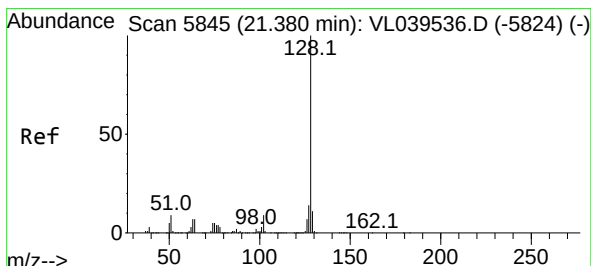
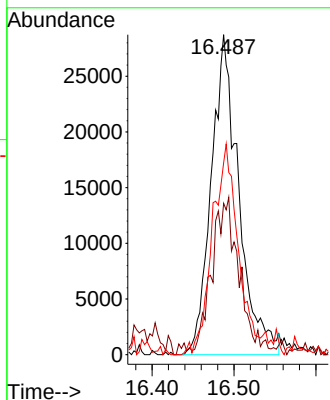
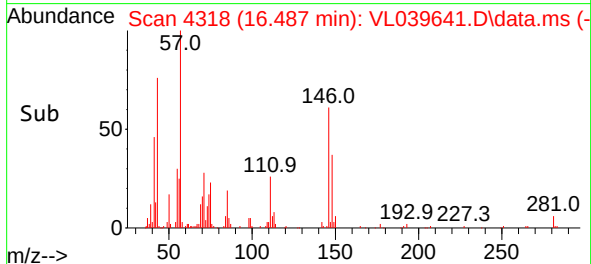
Instrument :
MSVOA_L
ClientSampleId :
C0PF3DUP



Tgt Ion:146 Resp: 6697
Ion Ratio Lower Upper
146 100
111 53.1 22.9 68.8
148 65.5 33.6 100.8

Manual Integrations
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Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#79
Naphthalene
Concen: 8.024 ppbv
RT: 21.397 min Scan# 5845
Delta R.T. 0.017 min
Lab File: VL039641.D
Acq: 21 Sep 2022 19:00

Tgt Ion:128 Resp: 1509544
Ion Ratio Lower Upper
128 100
127 13.9 10.6 15.8
129 11.4 8.8 13.2

