

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039640.D
 Acq On : 21 Sep 2022 18:19
 Operator : SY/AP
 Sample : N4669-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF3

Manual Integrations
 APPROVED

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

Quant Time: Sep 22 08:17:44 2022

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri 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	1053593	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2692526	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.481	117	2446774	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	1863745	10.204	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.758	85	31194	0.255	ppbv #	88
4) Chloromethane	2.838	50	31290	0.415	ppbv	92
9) Propene	2.732	41	341671m	5.983	ppbv	
11) Trichlorofluoromethane	3.587	101	31364	0.207	ppbv	90
12) 1,1,2-Trichlorotrifluo...	4.092	101	6714	0.059	ppbv #	81
13) Ethanol	3.263	45	505511	116.183	ppbv	77
15) Acetone	3.491	43	2992903	25.528	ppbv	99
20) Methylene Chloride	3.957	84	1151237	21.239	ppbv	94
26) Hexane	5.234	57	387693	3.574	ppbv #	46
29) Chloroform	5.291	83	142260m	0.908	ppbv	
34) 2-Butanone	4.812	43	166531	1.259	ppbv	100
35) Carbon Tetrachloride	6.510	117	11794	0.083	ppbv #	81
36) Benzene	6.391	78	49318	0.240	ppbv #	83
37) 1,2-Dichloroethane	5.822	62	21078m	0.188	ppbv	
43) Methyl Methacrylate	7.494	69	84248	1.123	ppbv	96
53) Toluene	9.237	91	901067	3.936	ppbv	100
58) Ethyl Benzene	12.105	91	115628	0.410	ppbv	98
59) m/p-Xylene	12.359	91	310104	1.235	ppbv	97
60) o-Xylene	13.072	91	102628	0.428	ppbv	99
61) Styrene	12.912	104	45745	0.354	ppbv #	86
73) 1,3,5-Trimethylbenzene	15.365	105	68907m	0.275	ppbv	
74) 1,2,4-Trimethylbenzene	16.124	105	220691	0.786	ppbv #	68
76) 1,4-Dichlorobenzene	16.490	146	66168	0.395	ppbv	88
79) Naphthalene	21.397	128	1653922	8.927	ppbv	99

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

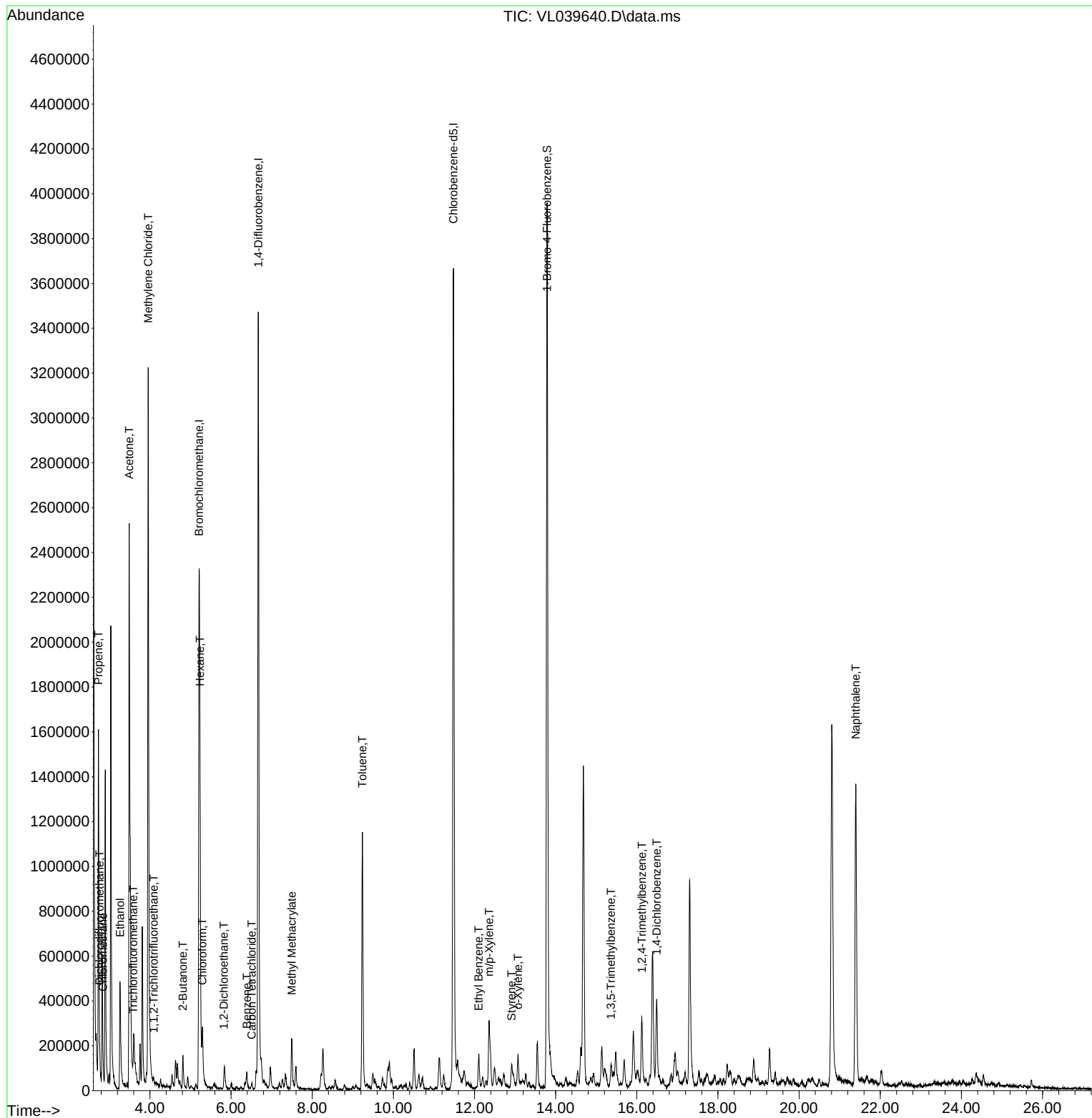
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
Data File : VL039640.D
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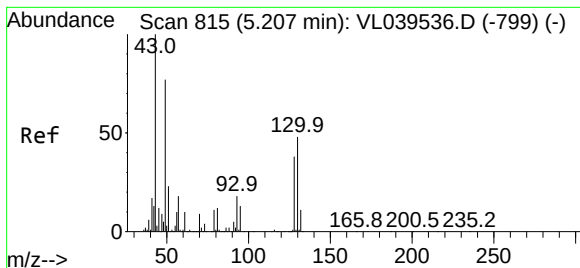
Instrument :
MSVOA_L
ClientSampleId :
C0PF3

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Supervised By :Mahesh Dadoda 09/28/2022

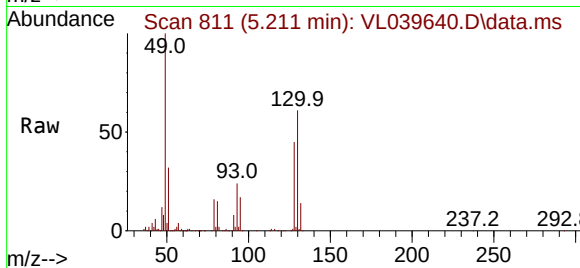
Quant Time: Sep 22 08:17:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration





#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.211 min Scan# 81
 Delta R.T. 0.004 min
 Lab File: VL039640.D
 Acq: 21 Sep 2022 18:19

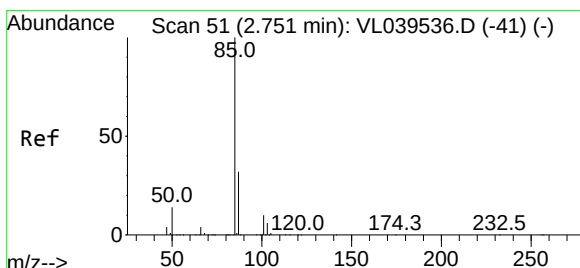
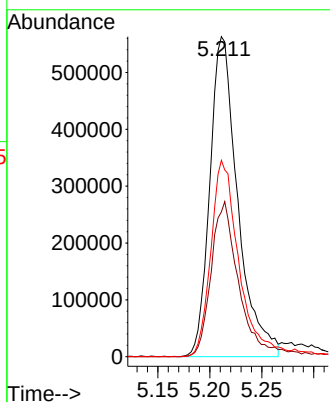
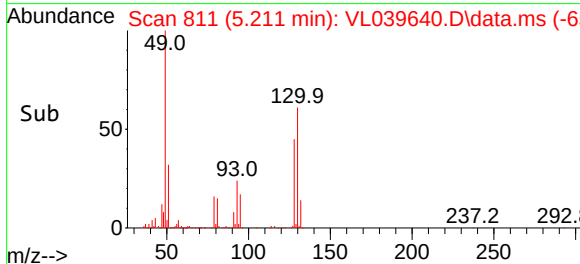
Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF3



Tgt Ion: 49 Resp: 105359
 Ion Ratio Lower Upper
 49 100
 128 49.9 26.7 80.0
 130 64.2 34.3 102.8

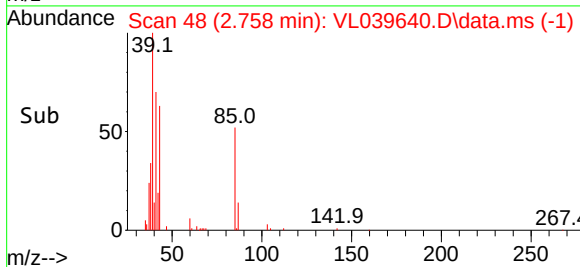
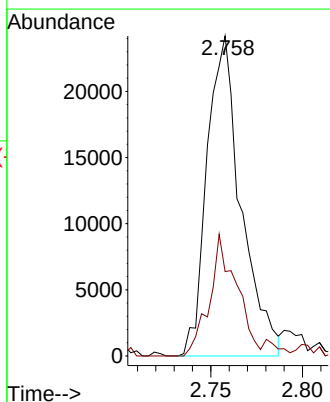
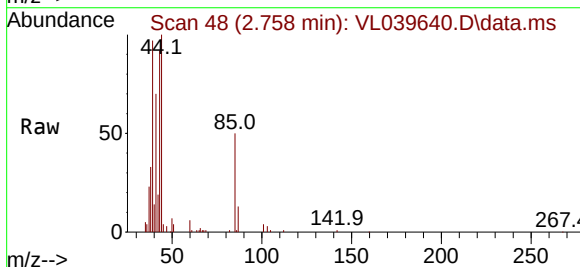
Manual Integrations
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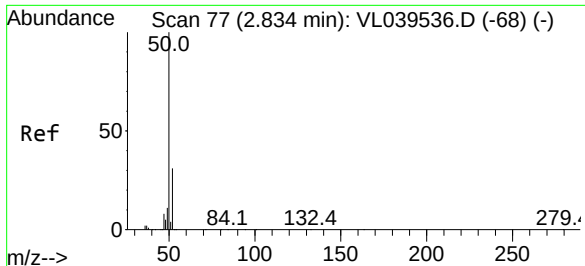
Reviewed By :Krupa Patel 09/28/2022
 Supervised By :Mahesh Dadoda 09/28/2022



#2
 Dichlorodifluoromethane
 Concen: 0.255 ppbv
 RT: 2.758 min Scan# 48
 Delta R.T. 0.007 min
 Lab File: VL039640.D
 Acq: 21 Sep 2022 18:19

Tgt Ion: 85 Resp: 31194
 Ion Ratio Lower Upper
 85 100
 87 26.4 26.7 40.1#





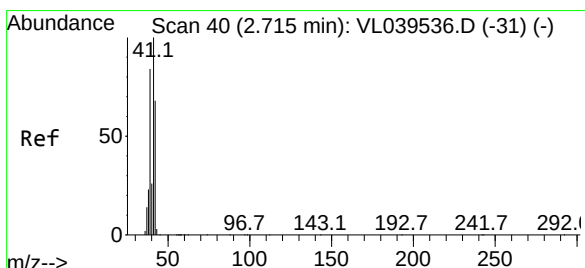
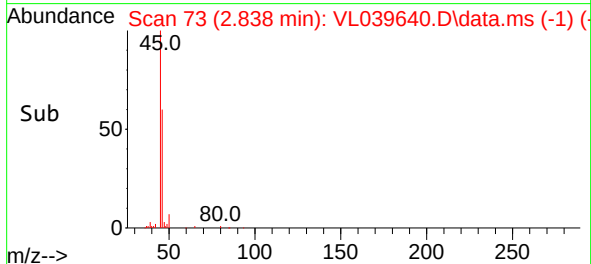
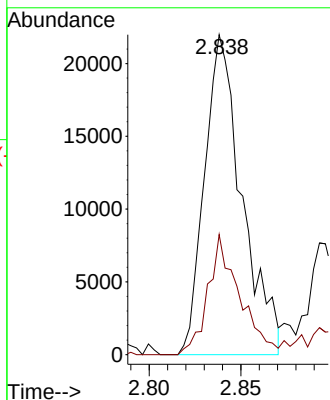
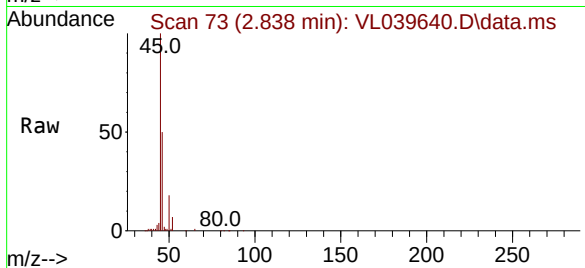
#4
Chloromethane
Concen: 0.415 ppbv
RT: 2.838 min Scan# 77
Delta R.T. 0.004 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Instrument :
MSVOA_L
ClientSampleId :
COPF3

Tgt Ion: 50 Resp: 31290
Ion Ratio Lower Upper
50 100
52 37.5 26.5 39.7

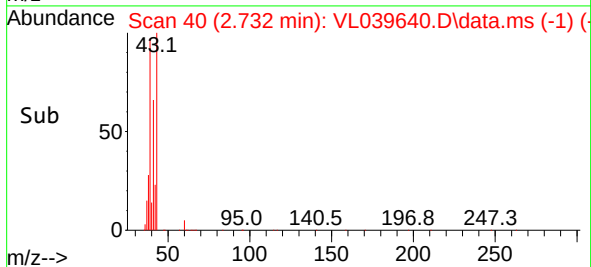
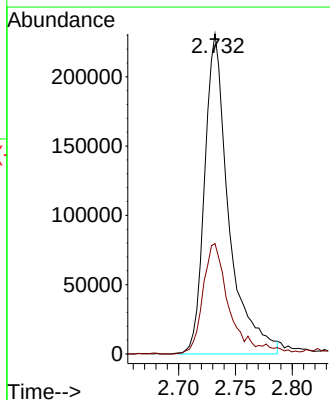
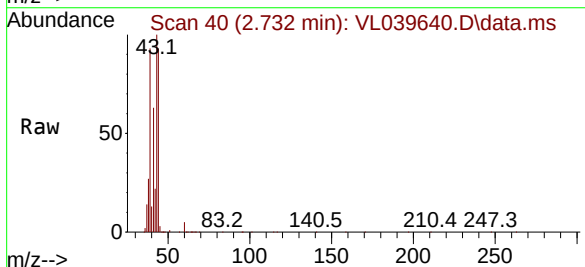
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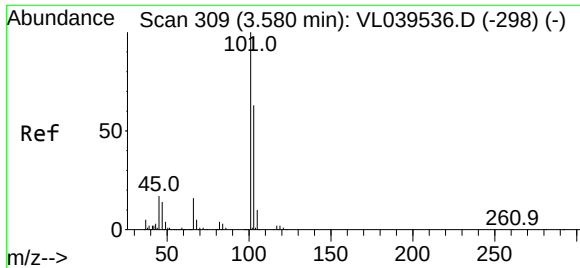
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#9
Propene
Concen: 5.983 ppbv m
RT: 2.732 min Scan# 40
Delta R.T. 0.017 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

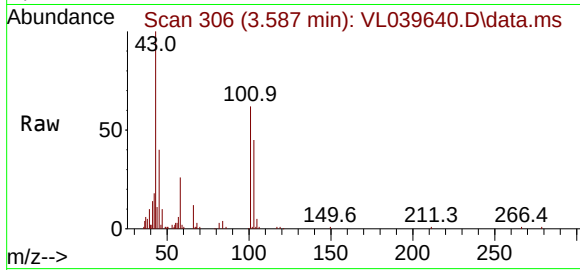
Tgt Ion: 41 Resp: 341671
Ion Ratio Lower Upper
41 100
42 83.8 55.2 82.8





#11
 Trichlorofluoromethane
 Concen: 0.207 ppbv
 RT: 3.587 min Scan# 309
 Delta R.T. 0.007 min
 Lab File: VL039640.D
 Acq: 21 Sep 2022 18:19

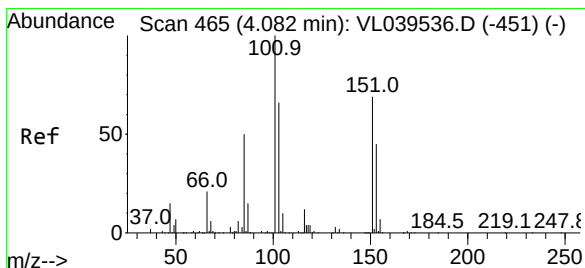
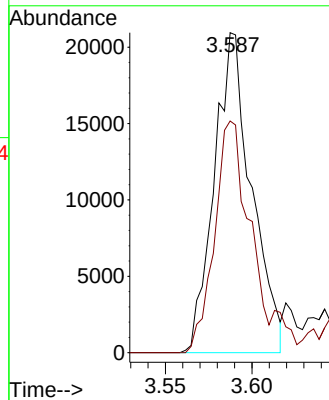
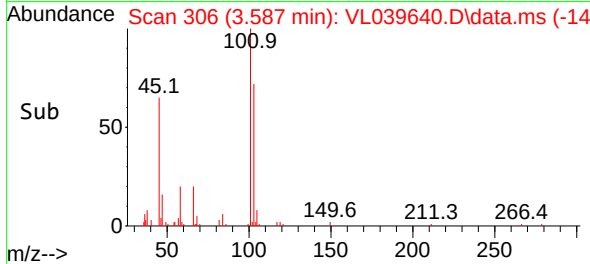
Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF3



Tgt Ion:101 Resp: 3136
 Ion Ratio Lower Upper
 101 100
 103 72.4 51.8 77.8

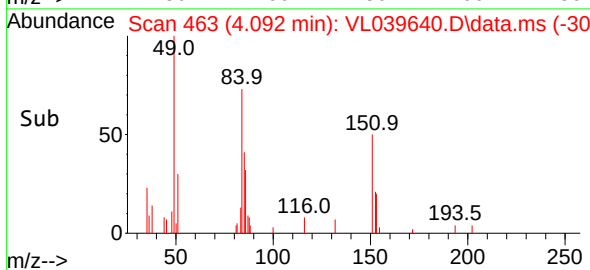
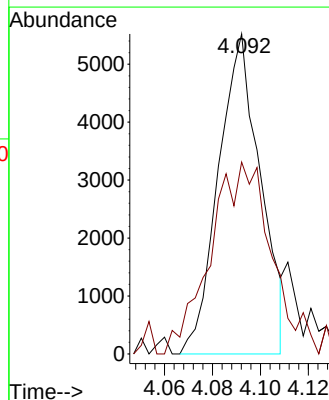
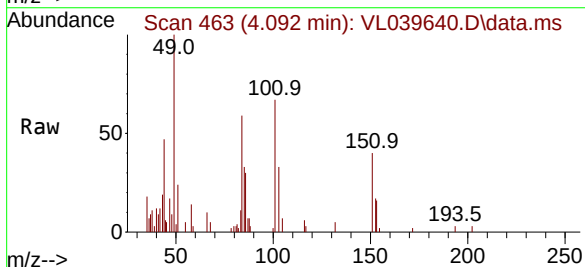
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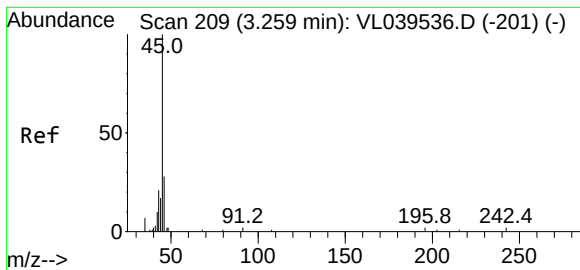
Reviewed By :Krupa Patel 09/28/2022
 Supervised By :Mahesh Dadoda 09/28/2022



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.059 ppbv
 RT: 4.092 min Scan# 463
 Delta R.T. 0.010 min
 Lab File: VL039640.D
 Acq: 21 Sep 2022 18:19

Tgt Ion:101 Resp: 6714
 Ion Ratio Lower Upper
 101 100
 151 89.3 58.9 88.3#





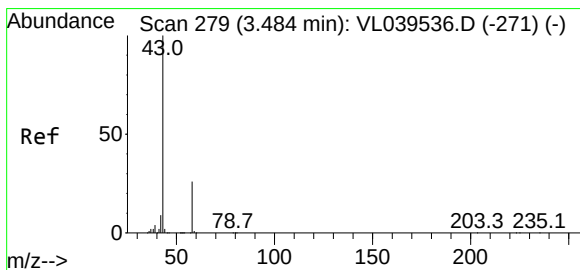
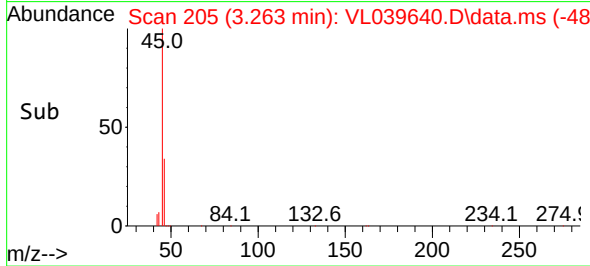
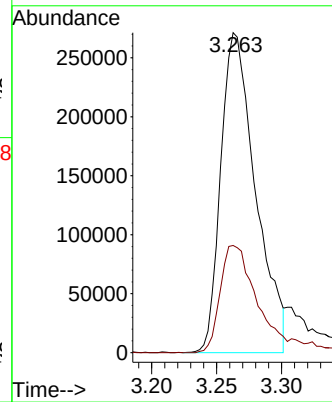
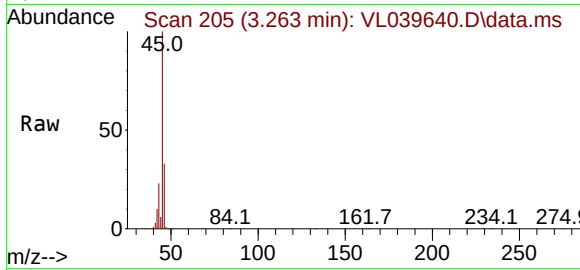
#13
Ethanol
Concen: 116.183 ppbv
RT: 3.263 min Scan# 205
Delta R.T. 0.004 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Instrument :
MSVOA_L
ClientSampleId :
COPF3

Tgt Ion: 45 Resp: 50551
Ion Ratio Lower Upper
45 100
46 39.7 22.8 91.2

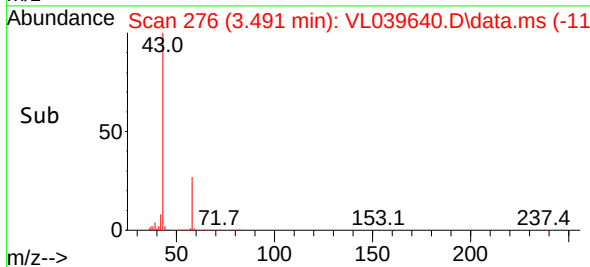
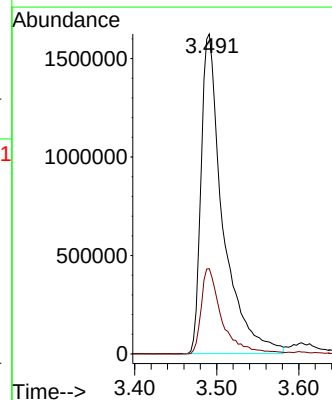
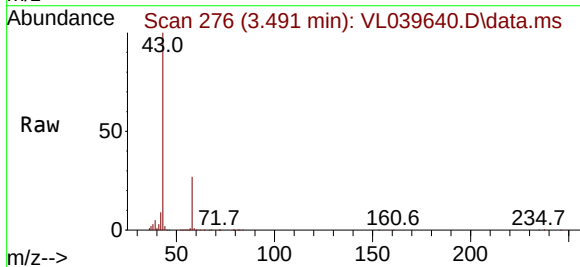
Manual Integrations
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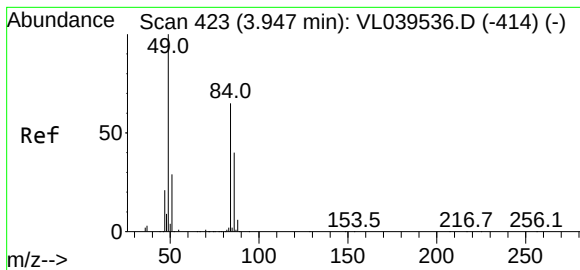
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#15
Acetone
Concen: 25.528 ppbv
RT: 3.491 min Scan# 276
Delta R.T. 0.007 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

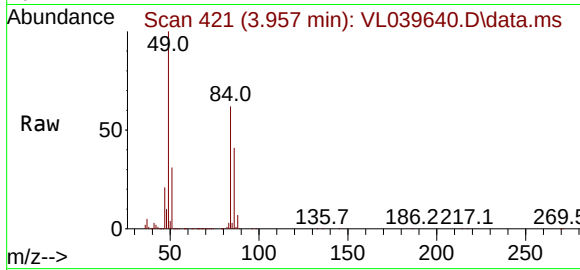
Tgt Ion: 43 Resp: 2992903
Ion Ratio Lower Upper
43 100
58 25.6 21.0 31.6





#20
Methylene Chloride
Concen: 21.239 ppbv
RT: 3.957 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Instrument :
MSVOA_L
ClientSampleId :
C0PF3

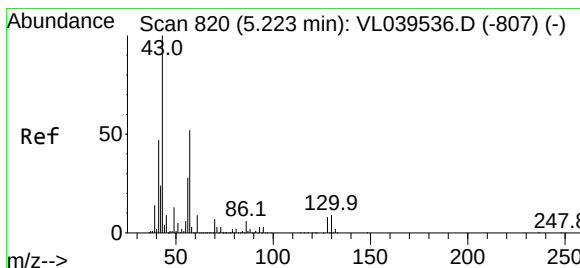
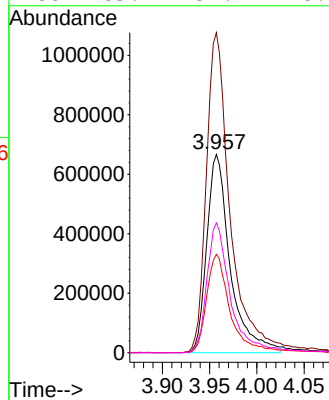
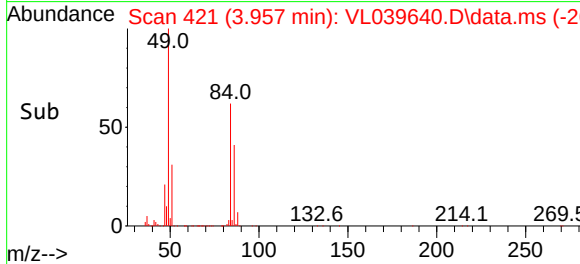


Tgt Ion: 84 Resp: 115123

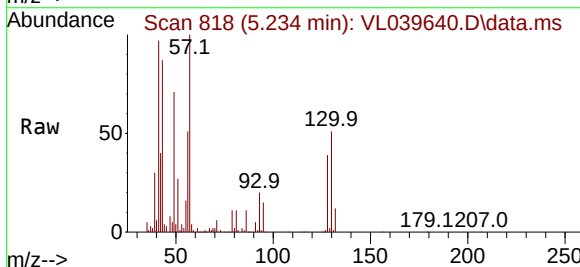
Ion	Ratio	Lower	Upper
84	100		
49	161.4	123.1	184.7
51	49.6	34.4	51.6
86	65.4	51.1	76.7

Manual Integrations
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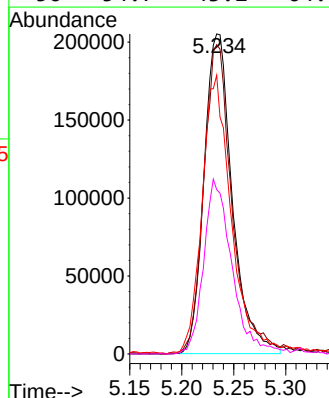
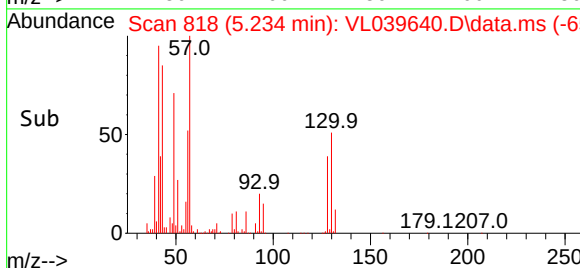


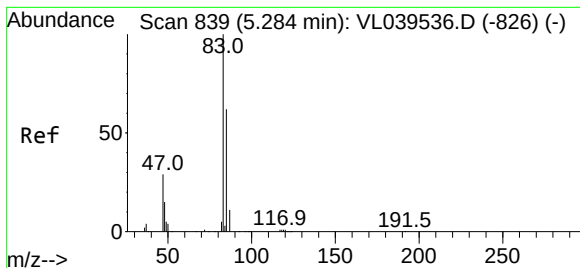
#26
Hexane
Concen: 3.574 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19



Tgt Ion: 57 Resp: 387693

Ion	Ratio	Lower	Upper
57	100		
41	98.6	76.9	115.3
43	91.2	191.0	286.6#
56	54.7	43.2	64.8





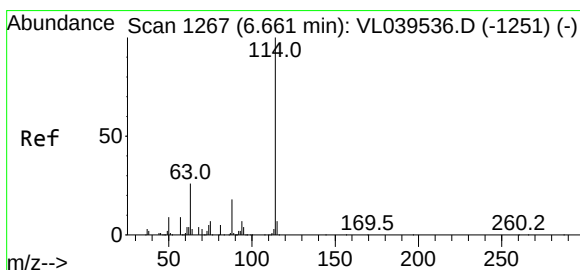
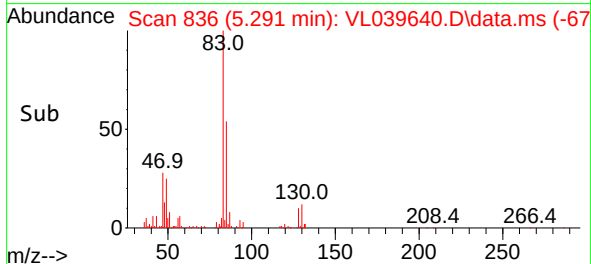
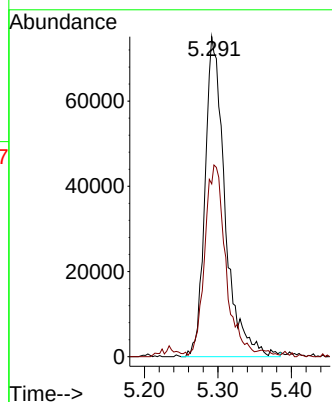
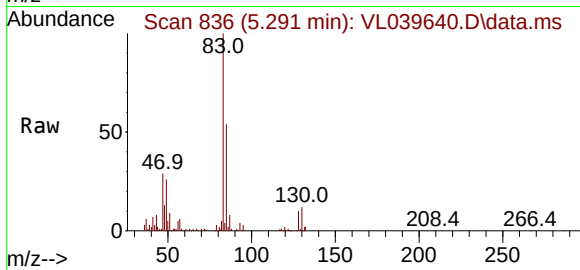
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Chloroform
Concen: 0.908 ppbv m
RT: 5.291 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Instrument :
MSVOA_L
ClientSampleId :
COPF3

Tgt Ion: 83 Resp: 142260
Ion Ratio Lower Upper
83 100
85 54.0 52.8 79.2

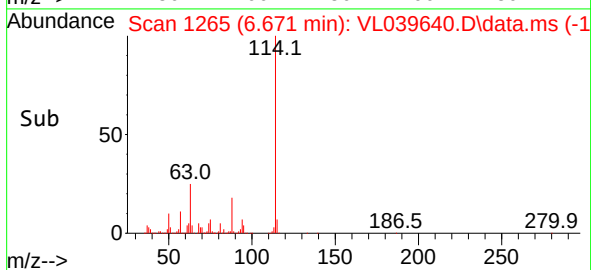
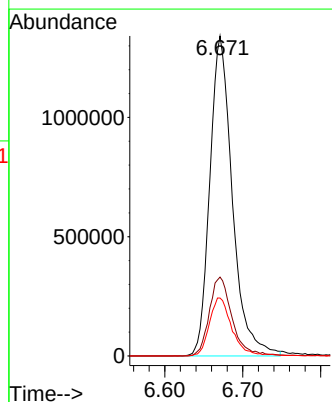
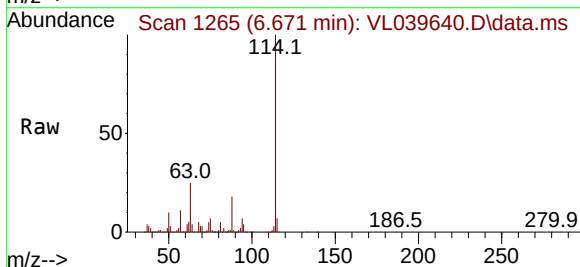
Manual Integrations
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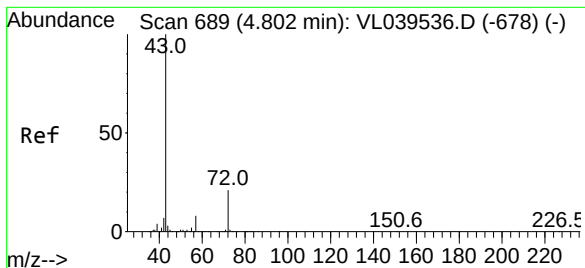
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

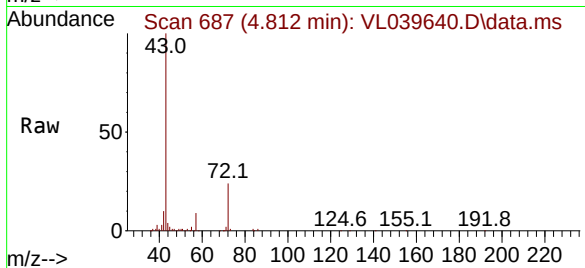
Tgt Ion:114 Resp: 2692526
Ion Ratio Lower Upper
114 100
63 25.2 20.2 30.4
88 18.4 14.5 21.7





#34
2-Butanone
Concen: 1.259 ppbv
RT: 4.812 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

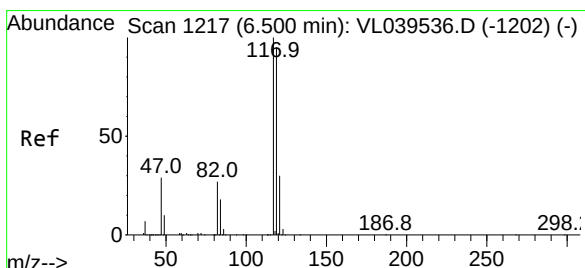
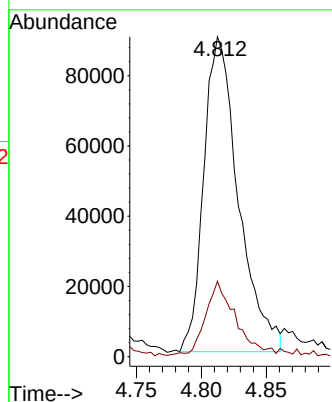
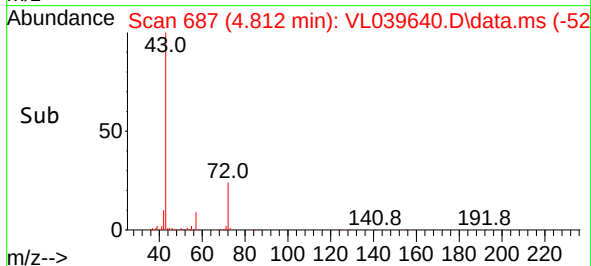
Instrument :
MSVOA_L
ClientSampleId :
COPF3



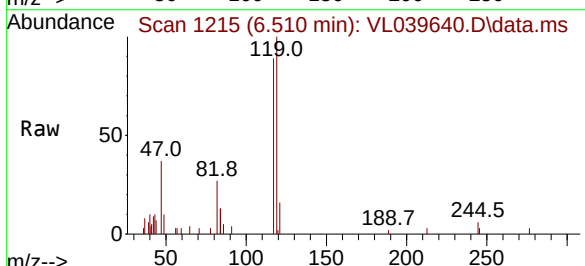
Tgt Ion: 43 Resp: 16653
Ion Ratio Lower Upper
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72 22.5 17.9 26.9

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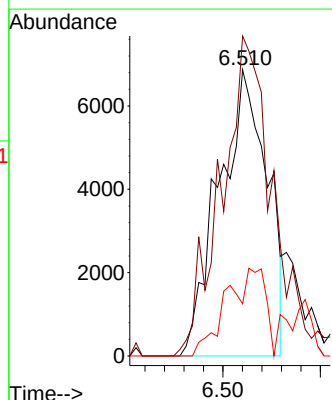
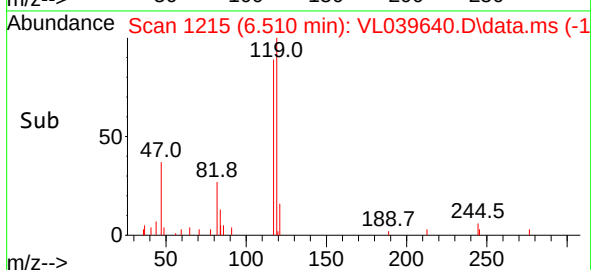
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

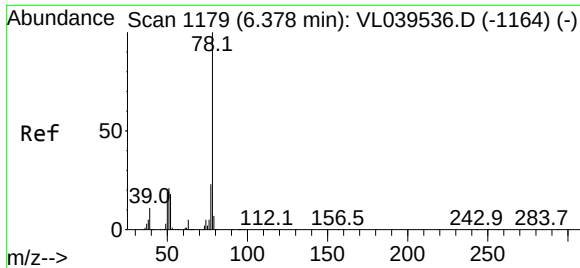


#35
Carbon Tetrachloride
Concen: 0.083 ppbv
RT: 6.510 min Scan# 1215
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19



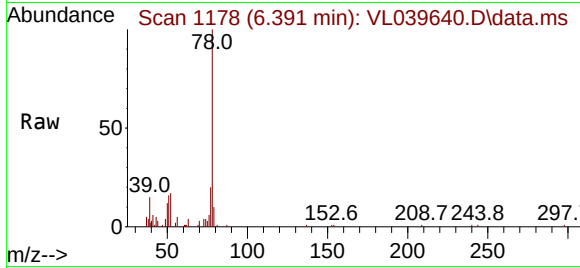
Tgt Ion:117 Resp: 11794
Ion Ratio Lower Upper
117 100
119 112.1 75.4 113.2
121 18.3 24.2 36.2#





#36
Benzene
Concen: 0.240 ppbv
RT: 6.391 min Scan# 1178
Delta R.T. 0.014 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

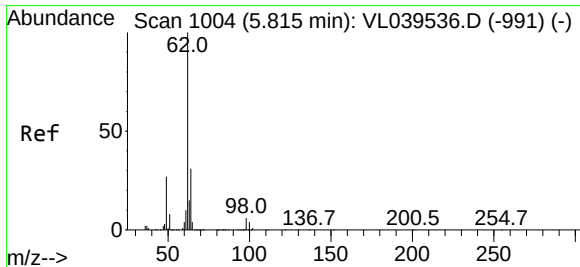
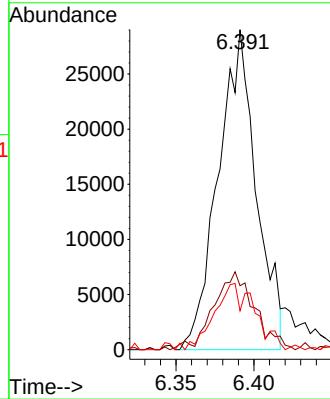
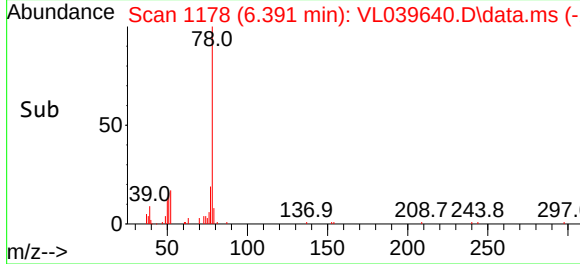
Instrument :
MSVOA_L
ClientSampleId :
COPF3



Tgt Ion: 78 Resp: 49318
Ion Ratio Lower Upper
78 100
77 18.3 20.3 30.5
50 10.2 15.5 23.3

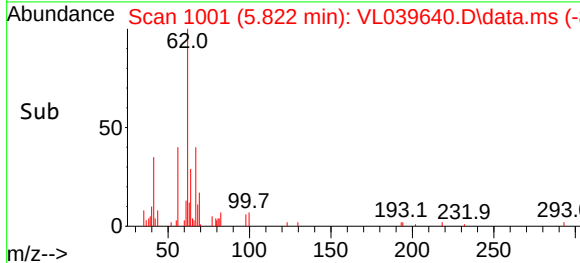
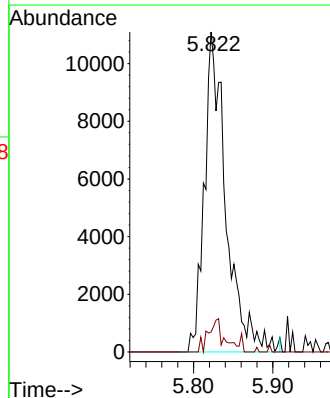
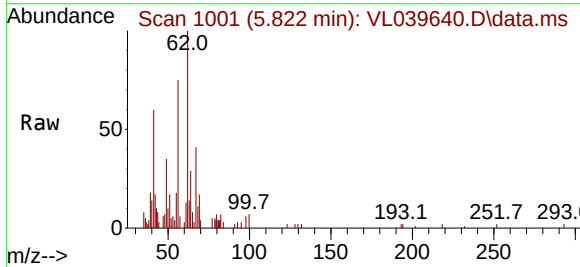
Manual Integrations
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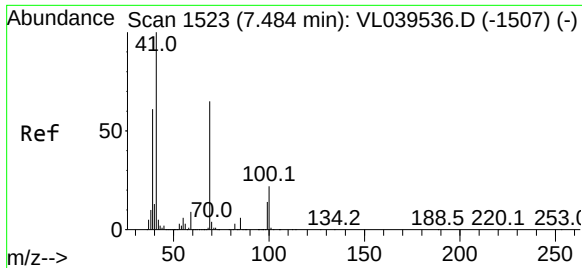
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#37
1,2-Dichloroethane
Concen: 0.188 ppbv m
RT: 5.822 min Scan# 1001
Delta R.T. 0.007 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion: 62 Resp: 21078
Ion Ratio Lower Upper
62 100
98 0.0 5.1 7.7





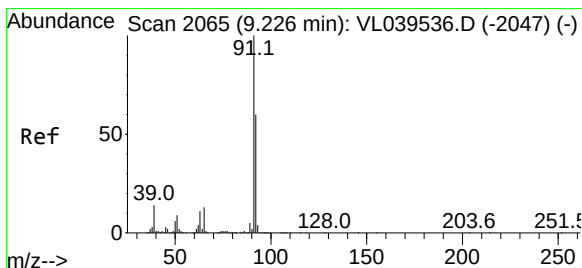
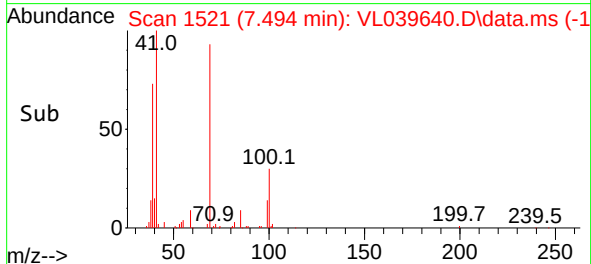
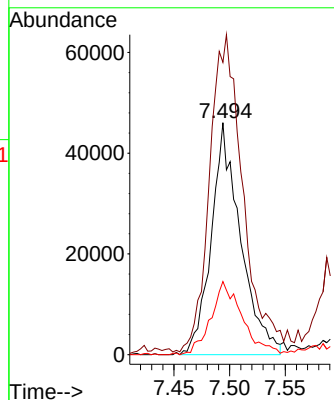
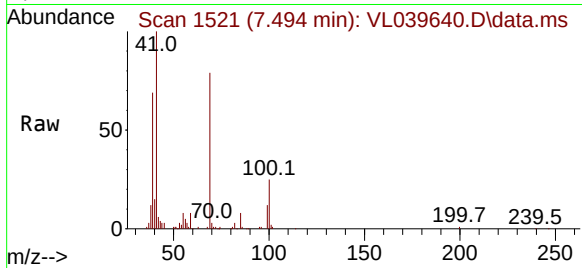
#43
Methyl Methacrylate
Concen: 1.123 ppbv
RT: 7.494 min Scan# 1523
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Instrument :
MSVOA_L
Client Sample Id :
COPF3

Tgt Ion: 69 Resp: 8424
Ion Ratio Lower Upper
69 100
41 157.2 120.8 181.2
100 33.7 27.8 41.6

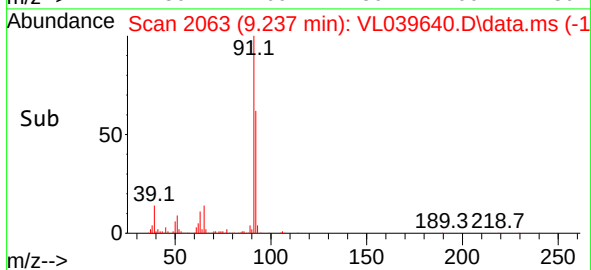
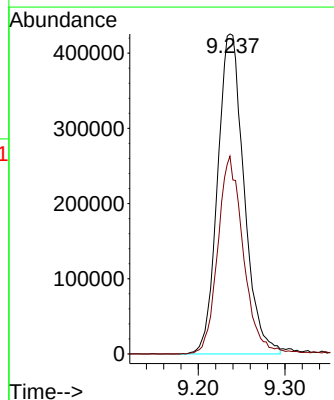
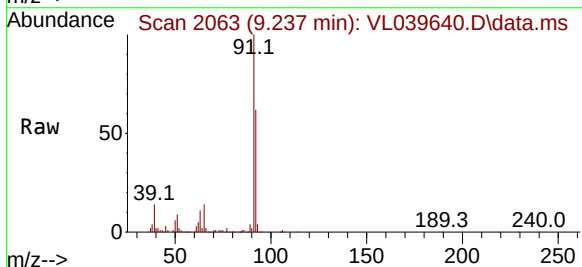
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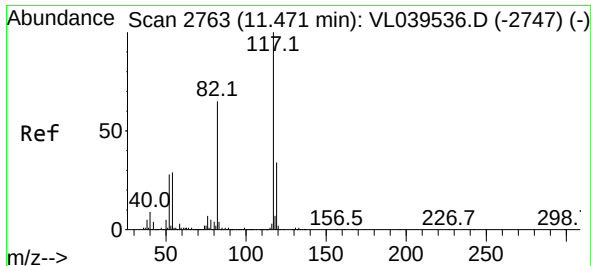
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#53
Toluene
Concen: 3.936 ppbv
RT: 9.237 min Scan# 2063
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

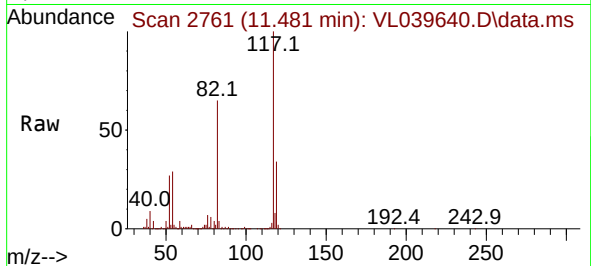
Tgt Ion: 91 Resp: 901067
Ion Ratio Lower Upper
91 100
92 60.1 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

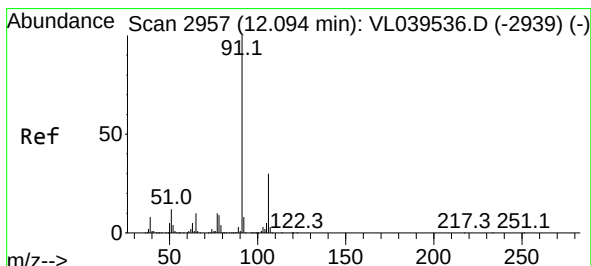
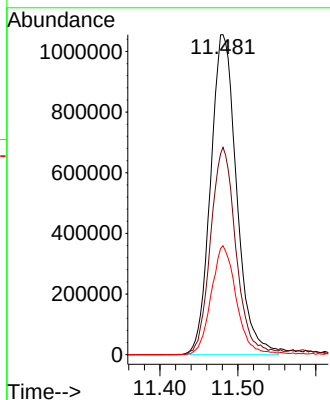
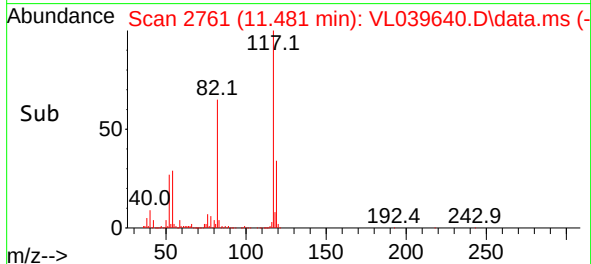
Instrument :
MSVOA_L
ClientSampleId :
COPF3



Tgt Ion:117 Resp: 2446774
Ion Ratio Lower Upper
117 100
82 63.6 50.8 76.2
119 33.7 24.1 36.1

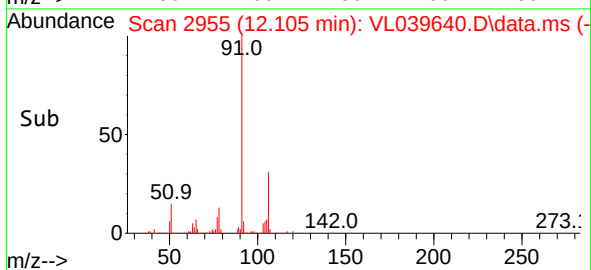
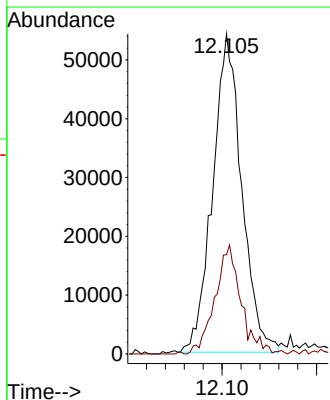
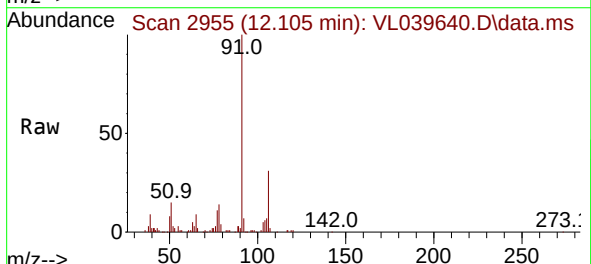
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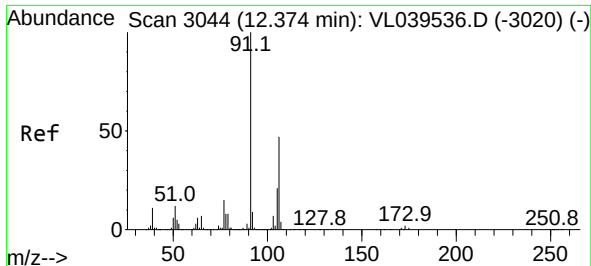
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#58
Ethyl Benzene
Concen: 0.410 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

Tgt Ion: 91 Resp: 115628
Ion Ratio Lower Upper
91 100
106 30.7 25.4 38.0





#59

m/p-Xylene

Concen: 1.235 ppbv

RT: 12.359 min Scan# 3044

Delta R.T. -0.015 min

Lab File: VL039640.D

Acq: 21 Sep 2022 18:19

Instrument :

MSVOA_L

ClientSampleId :

COPF3

Tgt Ion: 91 Resp: 310104

Ion Ratio Lower Upper

91 100

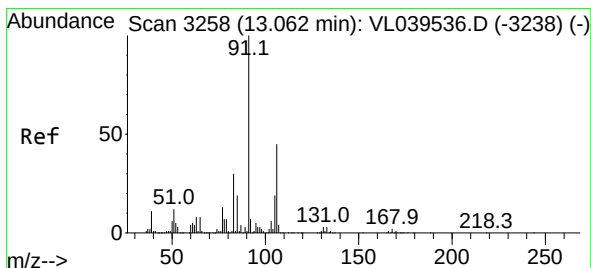
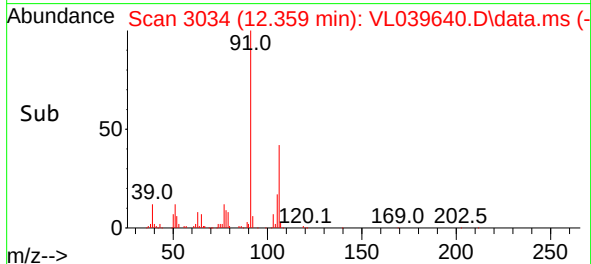
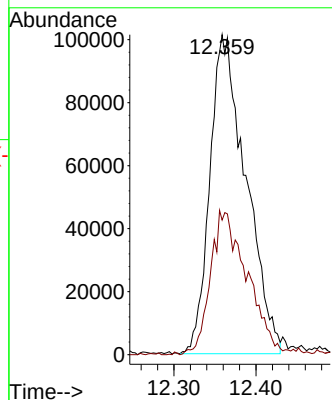
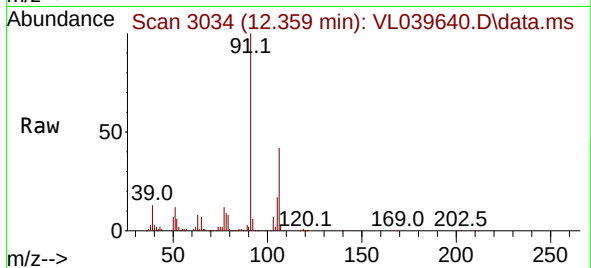
106 46.4 35.4 53.2

Manual Integrations

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Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022



#60

o-Xylene

Concen: 0.428 ppbv

RT: 13.072 min Scan# 3256

Delta R.T. 0.010 min

Lab File: VL039640.D

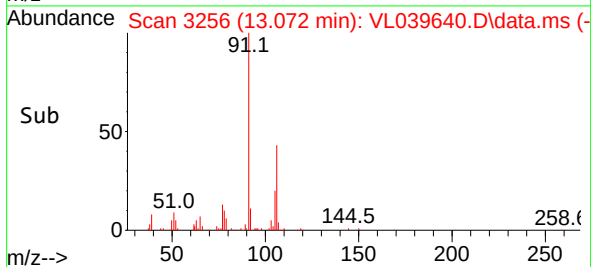
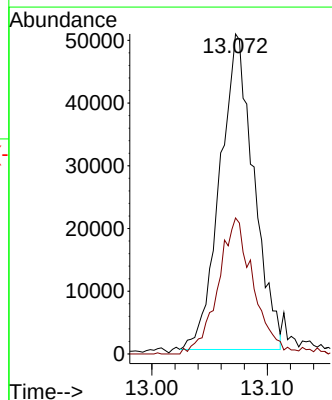
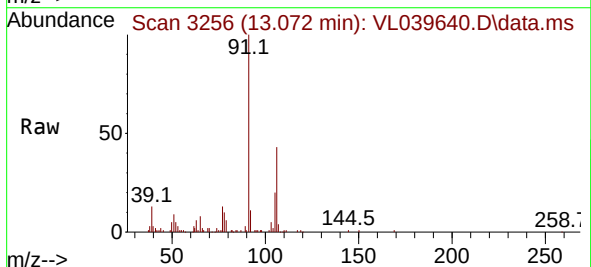
Acq: 21 Sep 2022 18:19

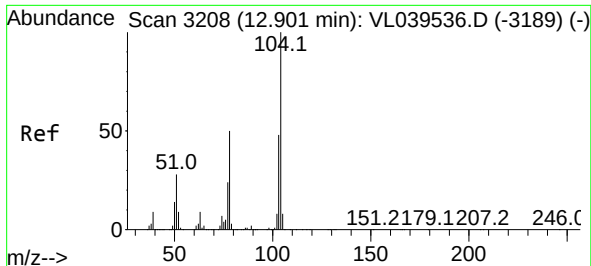
Tgt Ion: 91 Resp: 102628

Ion Ratio Lower Upper

91 100

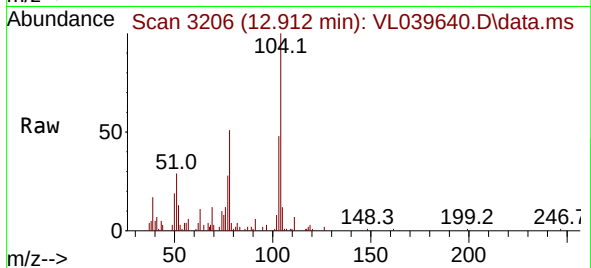
106 45.8 22.4 67.3





#61
Styrene
Concen: 0.354 ppbv
RT: 12.912 min Scan# 3189
Delta R.T. 0.010 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

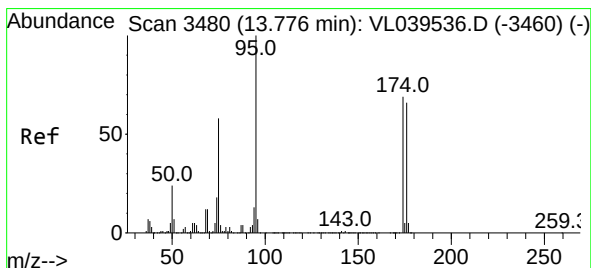
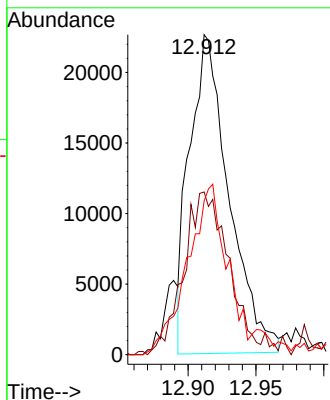
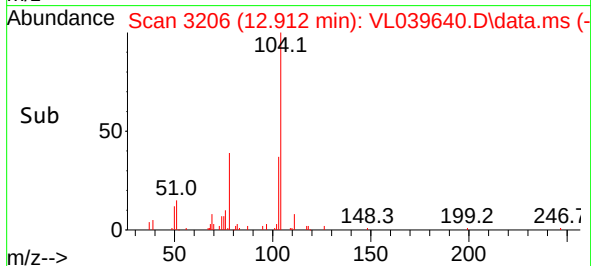
Instrument :
MSVOA_L
ClientSampleId :
COPF3



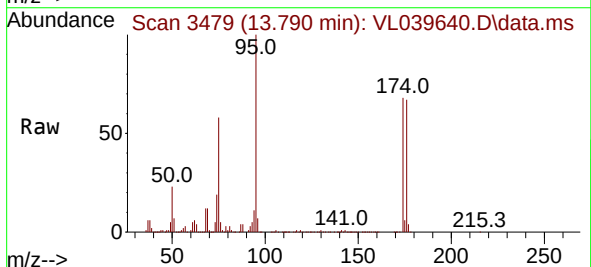
Tgt Ion: 104 Resp: 45745
Ion Ratio Lower Upper
104 100
78 60.1 41.2 61.8
103 58.9 38.7 58.1

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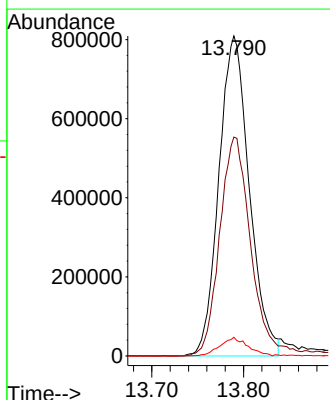
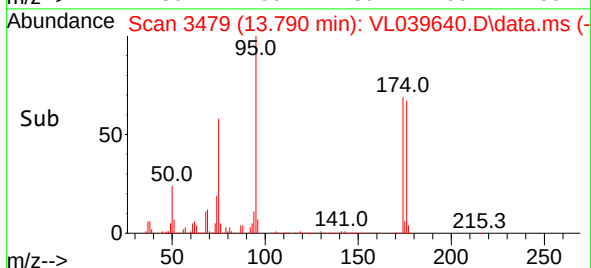
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

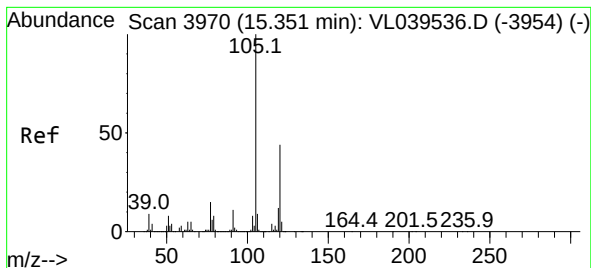


#68
1-Bromo-4-Fluorobenzene
Concen: 10.204 ppbv
RT: 13.790 min Scan# 3479
Delta R.T. 0.014 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19



Tgt Ion: 95 Resp: 1863745
Ion Ratio Lower Upper
95 100
174 71.4 55.9 83.9
175 5.5 4.2 6.4





#73

1,3,5-Trimethylbenzene

Concen: 0.275 ppbv m

RT: 15.365 min Scan# 3970

Delta R.T. 0.014 min

Lab File: VL039640.D

Acq: 21 Sep 2022 18:19

Instrument :

MSVOA_L

ClientSampleId :

C0PF3

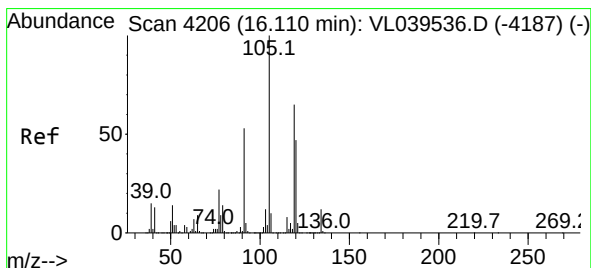
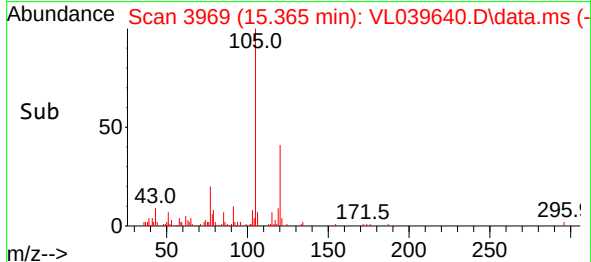
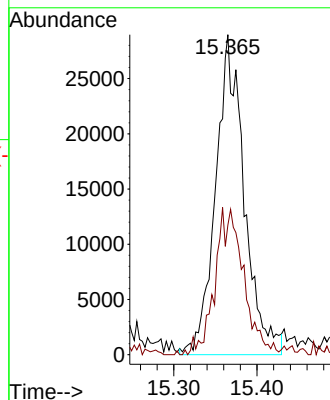
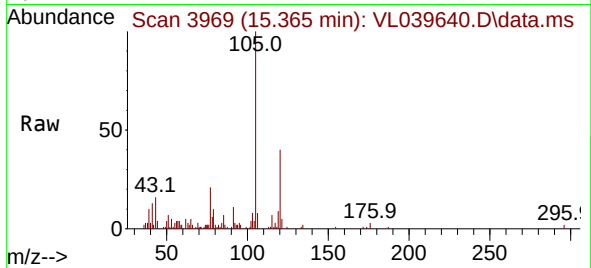
Tgt Ion:105 Resp: 6890
 Ion Ratio Lower Upper
 105 100
 120 40.5 38.2 57.4

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: 0.786 ppbv

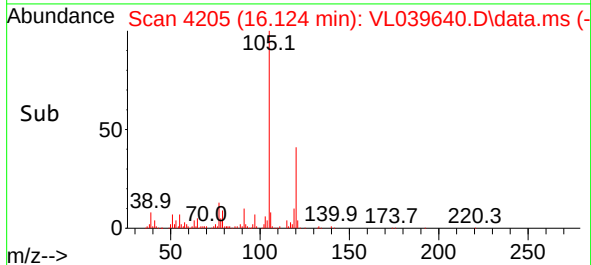
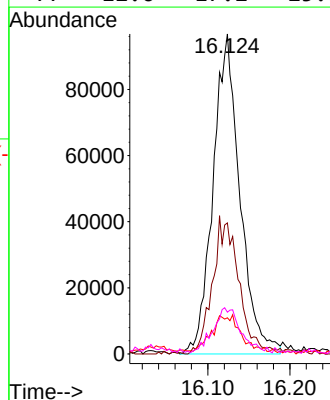
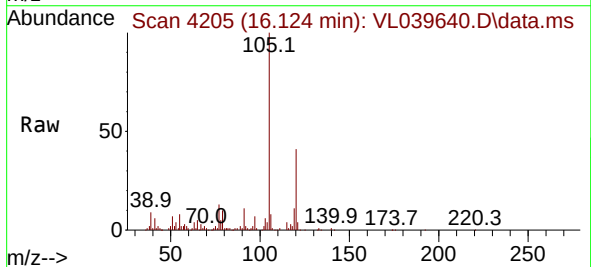
RT: 16.124 min Scan# 4205

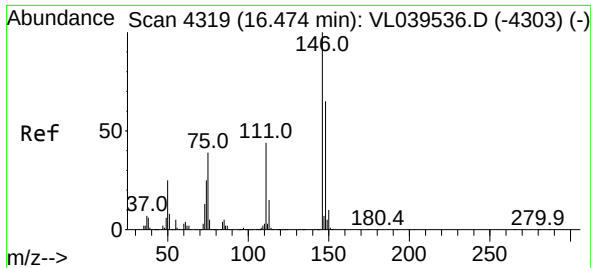
Delta R.T. 0.014 min

Lab File: VL039640.D

Acq: 21 Sep 2022 18:19

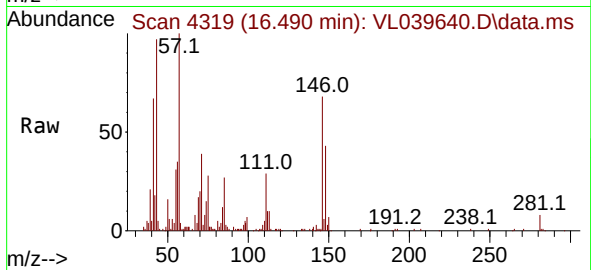
Tgt Ion:105 Resp: 220691
 Ion Ratio Lower Upper
 105 100
 120 40.5 39.5 59.3
 91 10.4 39.2 58.8#
 77 12.6 17.2 25.8#





#76
1,4-Dichlorobenzene
Concen: 0.395 ppbv
RT: 16.490 min Scan# 4319
Delta R.T. 0.017 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19

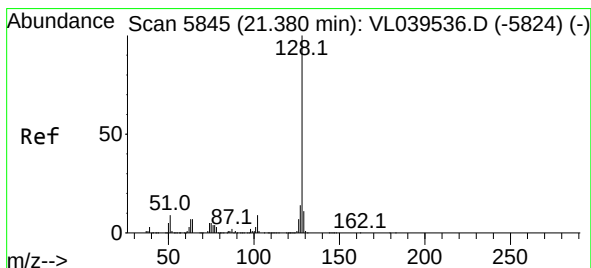
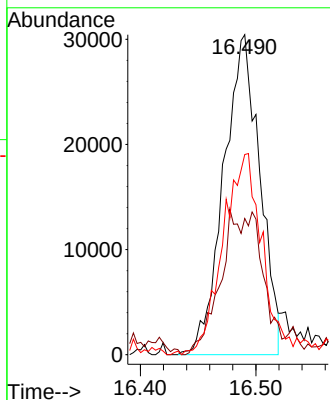
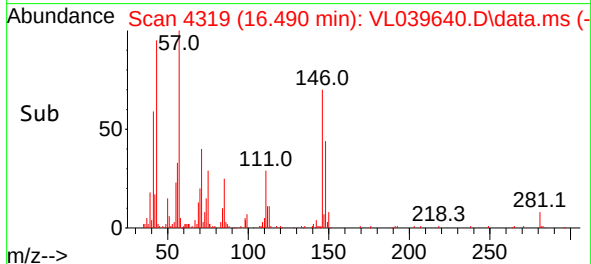
Instrument :
MSVOA_L
ClientSampleId :
COPF3



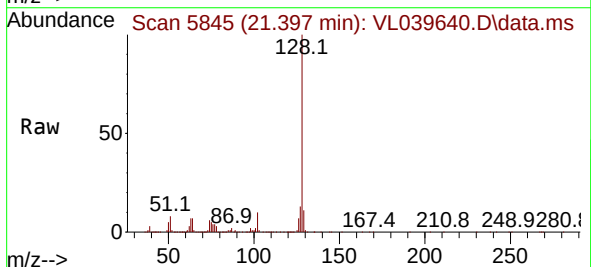
Tgt Ion:146 Resp: 66168
Ion Ratio Lower Upper
146 100
111 58.6 22.9 68.8
148 72.8 33.6 100.8

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



#79
Naphthalene
Concen: 8.927 ppbv
RT: 21.397 min Scan# 5845
Delta R.T. 0.017 min
Lab File: VL039640.D
Acq: 21 Sep 2022 18:19



Tgt Ion:128 Resp: 1653922
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 11.4 8.8 13.2

