

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039649.D
 Acq On : 22 Sep 2022 00:18
 Operator : SY/AP
 Sample : N4669-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF7

Manual Integrations
 APPROVED

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

Quant Time: Sep 22 08:22:20 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	5.214	49	1079631	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2660268	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.484	117	2461864	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1868977	10.170	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.758	85	85437	0.683	ppbv	95
3) Chlorodifluoromethane	2.681	51	302250	2.359	ppbv #	62
4) Chloromethane	2.841	50	39089	0.506	ppbv	98
9) Propene	2.735	41	925157	15.810	ppbv #	59
10) Heptane	7.600	43	59831	0.438	ppbv	91
11) Trichlorofluoromethane	3.591	101	34989	0.226	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.092	101	7685m	0.066	ppbv	
13) Ethanol	3.275	45	3789433	849.934	ppbv	71
15) Acetone	3.491	43	2905320	24.184	ppbv	99
20) Methylene Chloride	3.960	84	816794	14.705	ppbv	92
26) Hexane	5.237	57	370020	3.328	ppbv #	58
29) Chloroform	5.298	83	389312	2.426	ppbv	99
34) 2-Butanone	4.812	43	140450	1.075	ppbv	100
35) Carbon Tetrachloride	6.513	117	22102m	0.157	ppbv	
36) Benzene	6.388	78	56445	0.278	ppbv #	83
37) 1,2-Dichloroethane	5.828	62	63939m	0.578	ppbv	
42) Bromodichloromethane	7.272	83	33601m	0.218	ppbv	
44) 2,2,4-Trimethylpentane	7.349	57	131603	0.375	ppbv #	81
52) Tetrachloroethene	10.632	164	40723	0.525	ppbv	94
53) Toluene	9.237	91	392973m	1.737	ppbv	
58) Ethyl Benzene	12.108	91	122840	0.433	ppbv	91
59) m/p-Xylene	12.362	91	217153m	0.860	ppbv	
60) o-Xylene	13.072	91	90970	0.377	ppbv	94
61) Styrene	12.918	104	46287	0.356	ppbv	91
69) p-Isopropyltoluene	17.011	119	58260	0.158	ppbv #	89

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

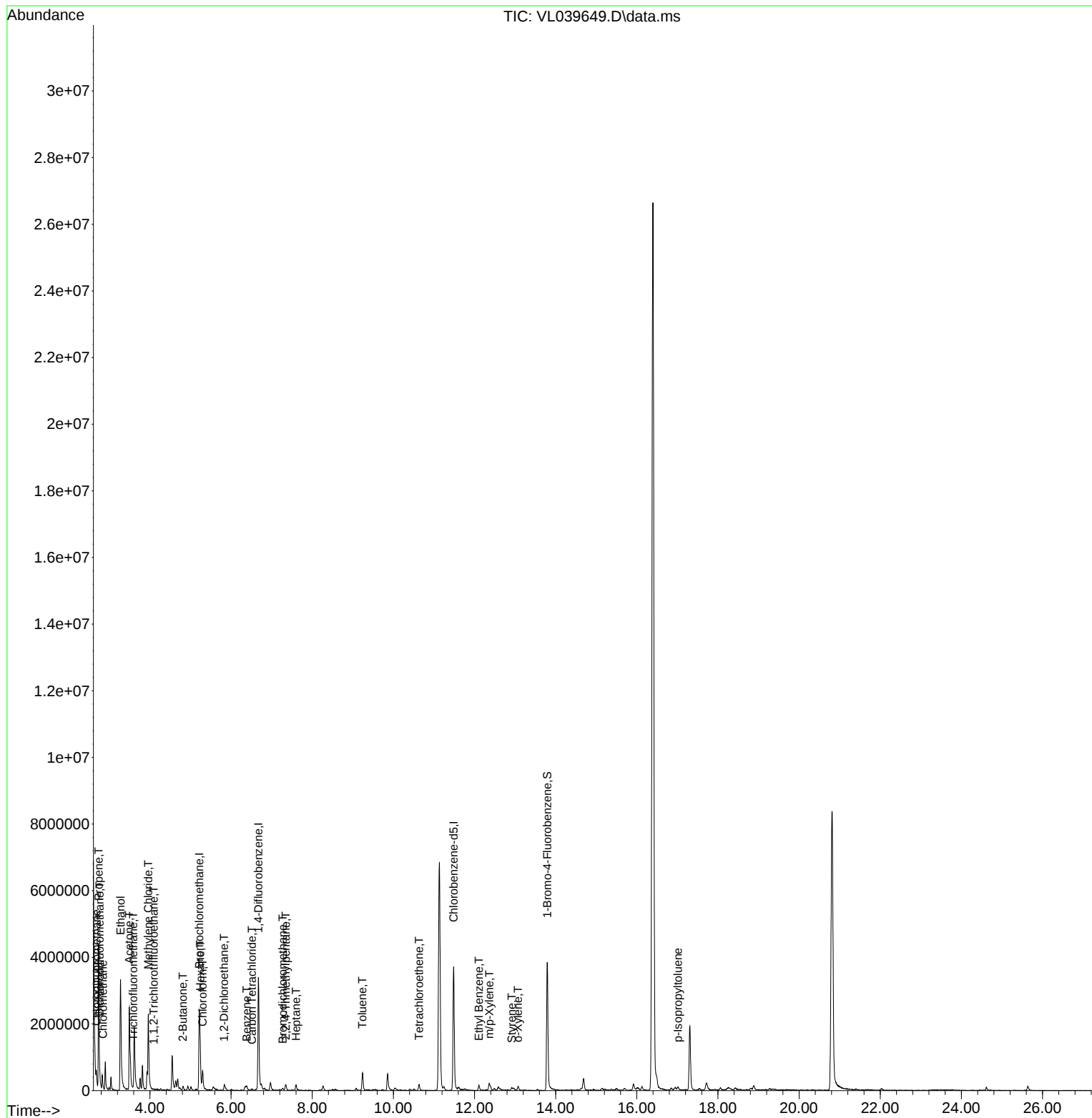
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
Data File : VL039649.D
Acq On : 22 Sep 2022 00:18
Operator : SY/AP
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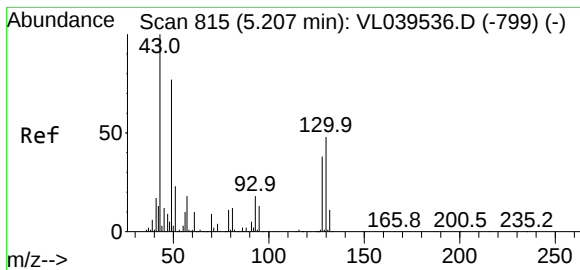
Instrument :
MSVOA_L
ClientSampleId :
C0PF7

Manual Integrations
APPROVED

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

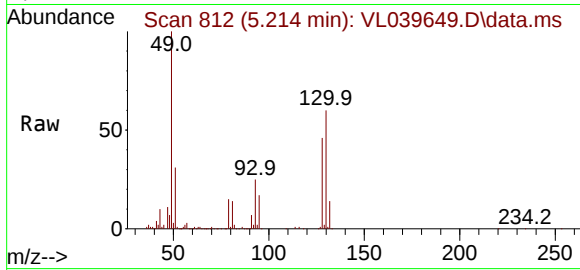
Quant Time: Sep 22 08:22:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration





#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.214 min Scan# 81
 Delta R.T. 0.007 min
 Lab File: VL039649.D
 Acq: 22 Sep 2022 00:18

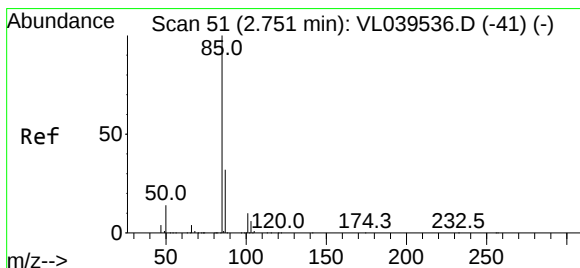
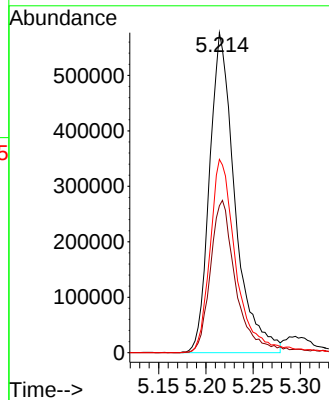
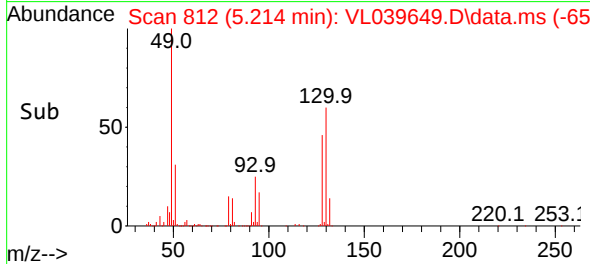
Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF7



Tgt Ion: 49 Resp: 107963
 Ion Ratio Lower Upper
 49 100
 128 49.1 26.7 80.0
 130 63.4 34.3 102.8

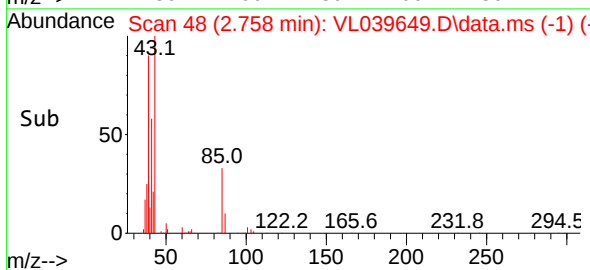
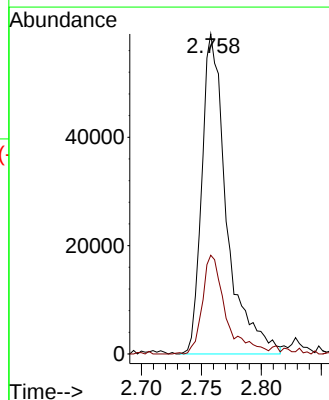
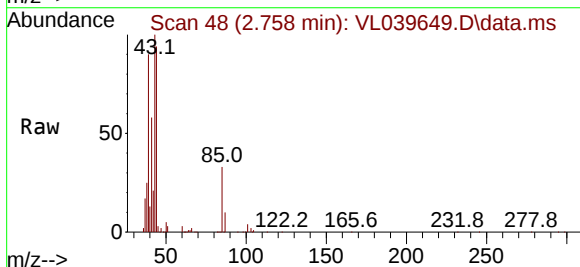
Manual Integrations
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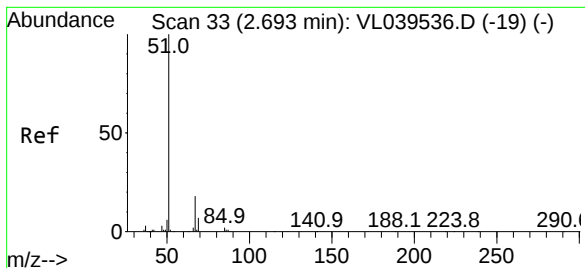
Reviewed By :Krupa Patel 09/28/2022
 Supervised By :Mahesh Dadoda 09/28/2022



#2
 Dichlorodifluoromethane
 Concen: 0.683 ppbv
 RT: 2.758 min Scan# 48
 Delta R.T. 0.007 min
 Lab File: VL039649.D
 Acq: 22 Sep 2022 00:18

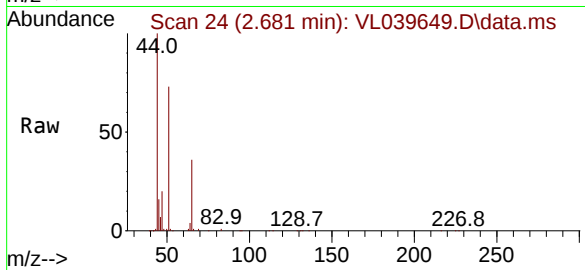
Tgt Ion: 85 Resp: 85437
 Ion Ratio Lower Upper
 85 100
 87 30.4 26.7 40.1





#3
Chlorodifluoromethane
Concen: 2.359 ppbv
RT: 2.681 min Scan# 24
Delta R.T. -0.012 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

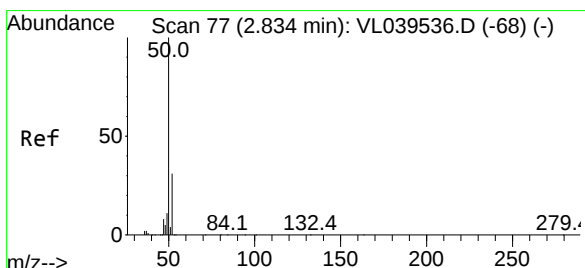
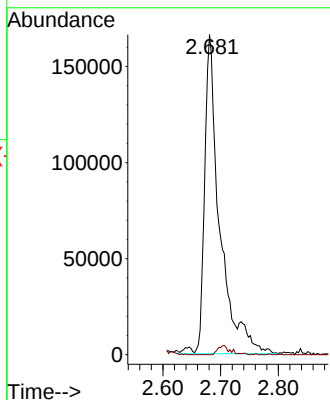
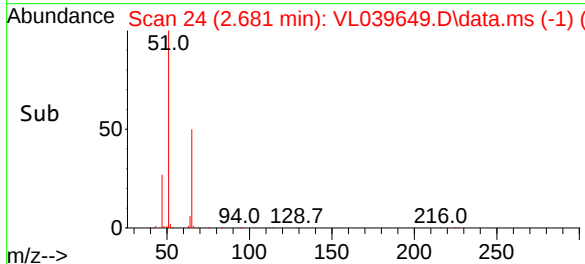
Instrument :
MSVOA_L
ClientSampleId :
COPF7



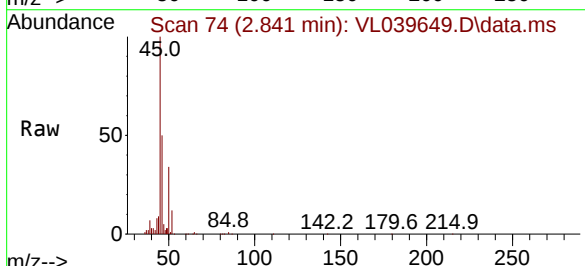
Tgt Ion: 51 Resp: 302250
Ion Ratio Lower Upper
51 100
67 2.4 15.7 23.5

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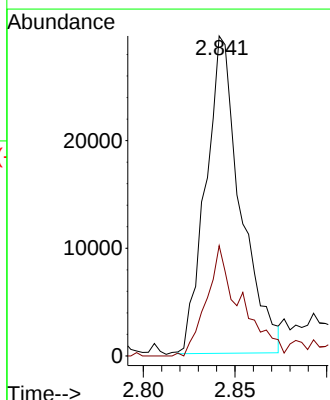
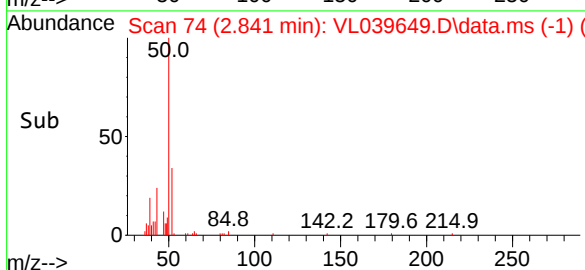
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

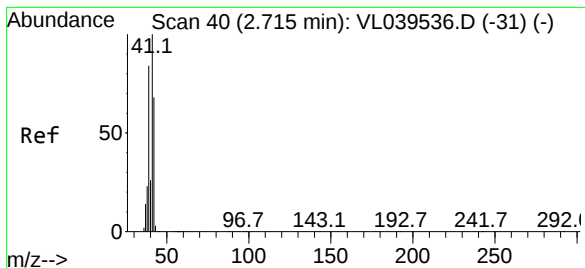


#4
Chloromethane
Concen: 0.506 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.007 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18



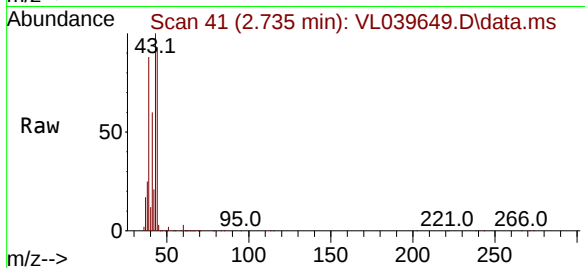
Tgt Ion: 50 Resp: 39089
Ion Ratio Lower Upper
50 100
52 34.0 26.5 39.7





#9
Propene
Concen: 15.810 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.020 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

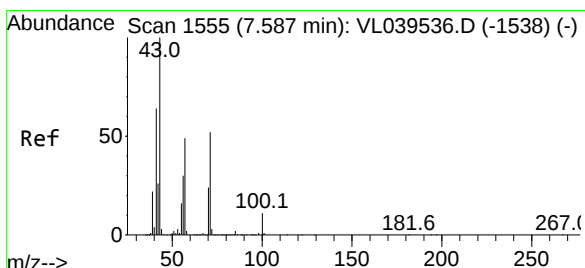
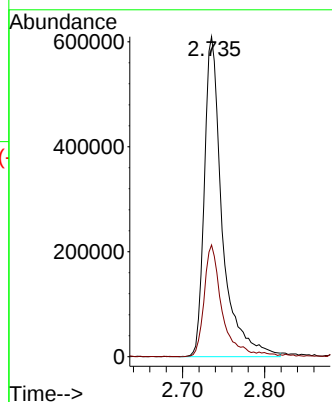
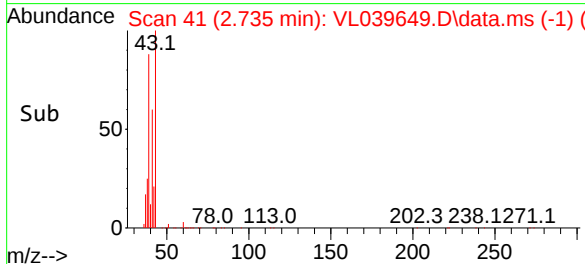
Instrument :
MSVOA_L
ClientSampleId :
C0PF7



Tgt Ion: 41 Resp: 92515
Ion Ratio Lower Upper
41 100
42 35.9 55.2 82.8

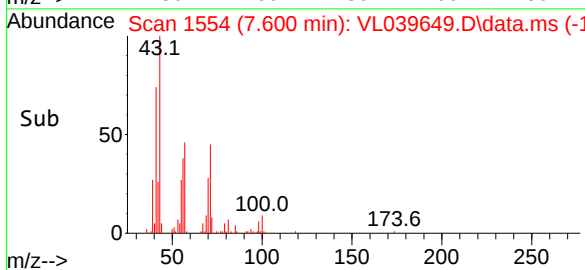
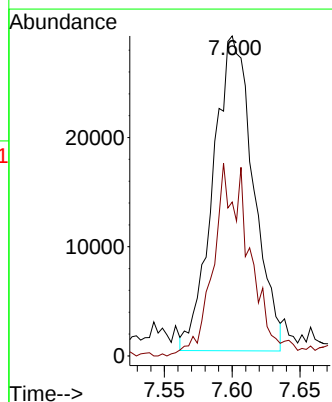
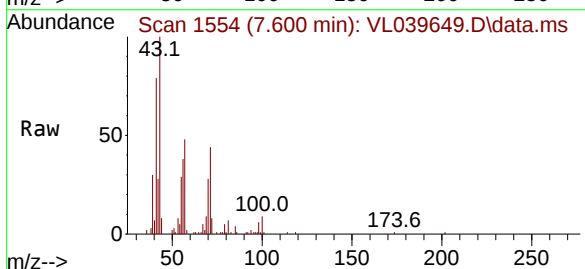
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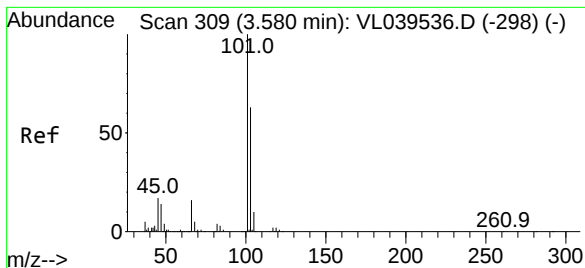
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#10
Heptane
Concen: 0.438 ppbv
RT: 7.600 min Scan# 1554
Delta R.T. 0.013 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

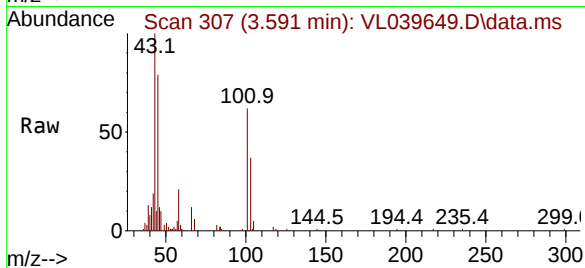
Tgt Ion: 43 Resp: 59831
Ion Ratio Lower Upper
43 100
57 56.5 40.5 60.7





#11
Trichlorofluoromethane
Concen: 0.226 ppbv
RT: 3.591 min Scan# 309
Delta R.T. 0.010 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

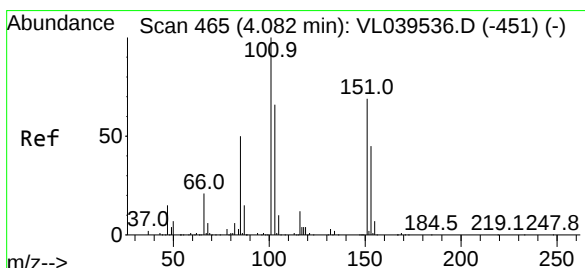
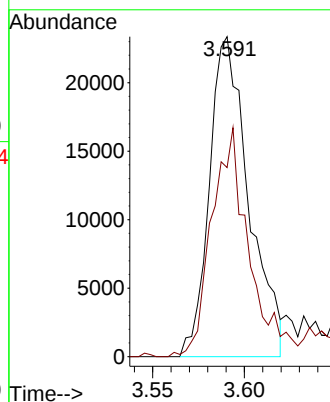
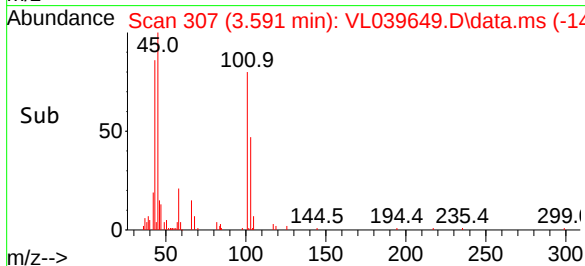
Instrument :
MSVOA_L
ClientSampleId :
COPF7



Tgt Ion:101 Resp: 34985
Ion Ratio Lower Upper
101 100
103 58.4 51.8 77.8

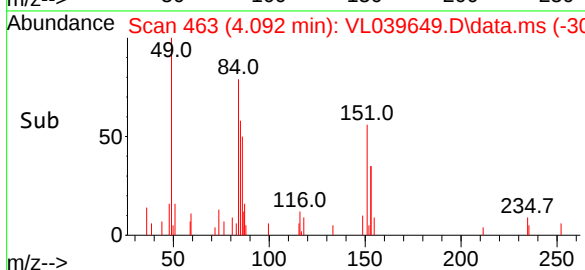
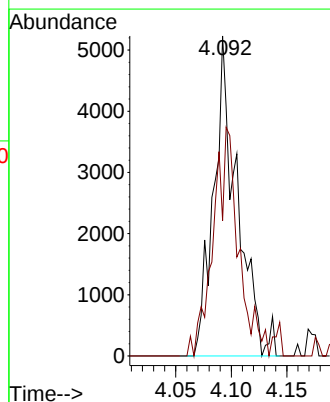
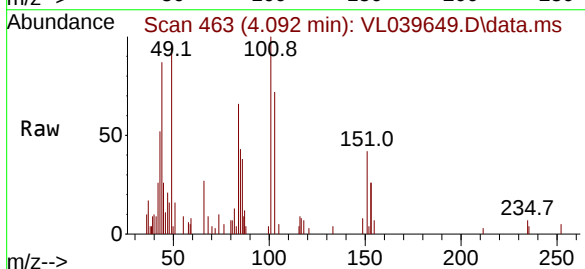
Manual Integrations
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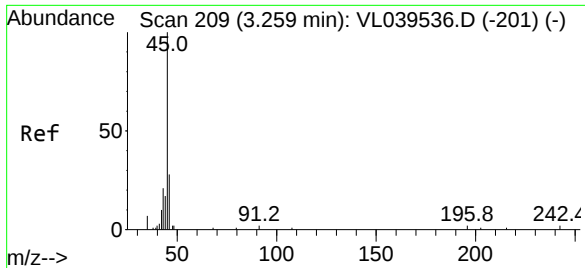
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.066 ppbv m
RT: 4.092 min Scan# 463
Delta R.T. 0.010 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

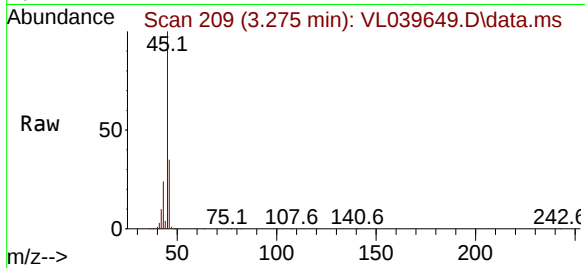
Tgt Ion:101 Resp: 7685
Ion Ratio Lower Upper
101 100
151 79.8 58.9 88.3





#13
Ethanol
Concen: 849.934 ppbv
RT: 3.275 min Scan# 209
Delta R.T. 0.017 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

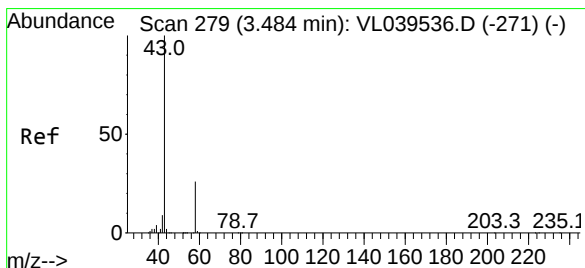
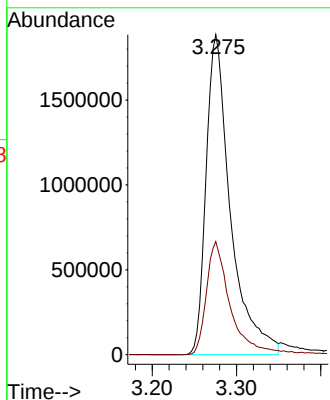
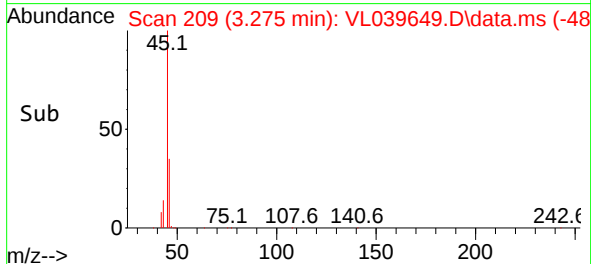
Instrument :
MSVOA_L
ClientSampleId :
C0PF7



Tgt Ion: 45 Resp: 378943
Ion Ratio Lower Upper
45 100
46 35.8 22.8 91.2

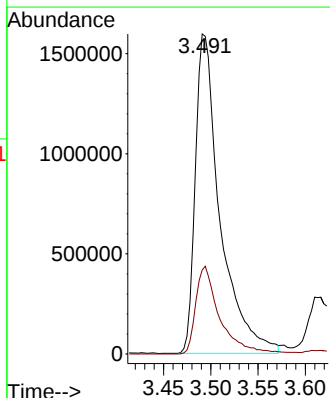
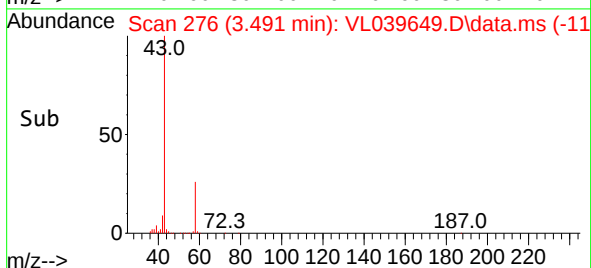
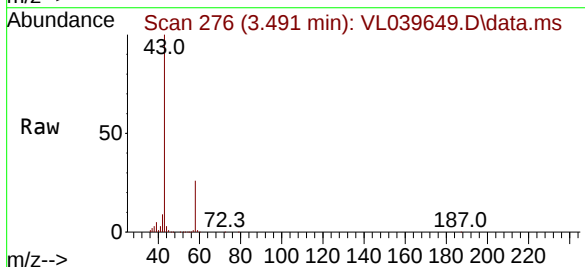
Manual Integrations
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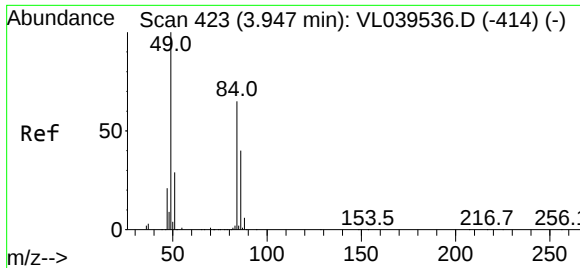
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#15
Acetone
Concen: 24.184 ppbv
RT: 3.491 min Scan# 276
Delta R.T. 0.007 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

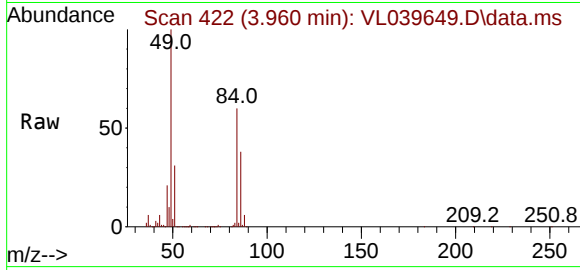
Tgt Ion: 43 Resp: 2905320
Ion Ratio Lower Upper
43 100
58 26.7 21.0 31.6





#20
Methylene Chloride
Concen: 14.705 ppbv
RT: 3.960 min Scan# 41
Delta R.T. 0.014 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

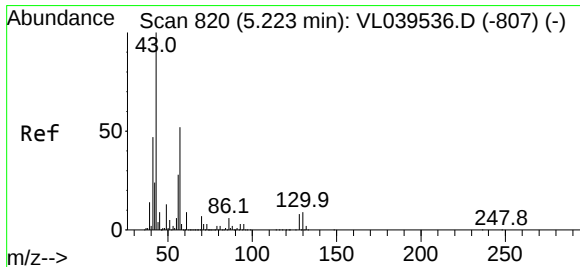
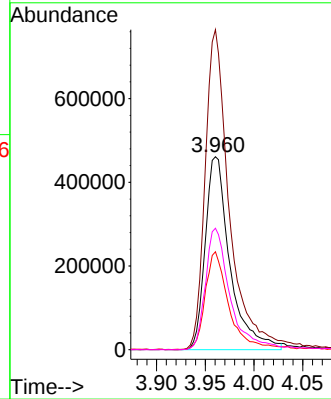
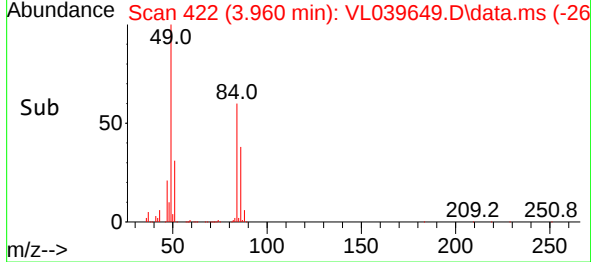
Instrument :
MSVOA_L
ClientSampleId :
C0PF7



Tgt Ion: 84	Resp: 816794
Ion Ratio	Lower Upper
84 100	
49 165.6	123.1 184.7
51 50.6	34.4 51.6
86 62.9	51.1 76.7

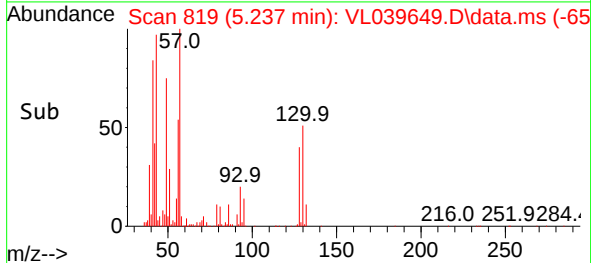
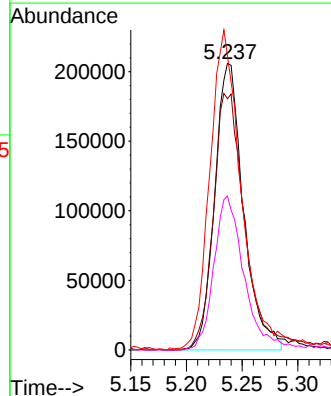
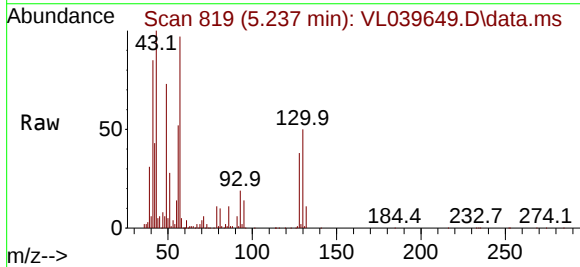
Manual Integrations
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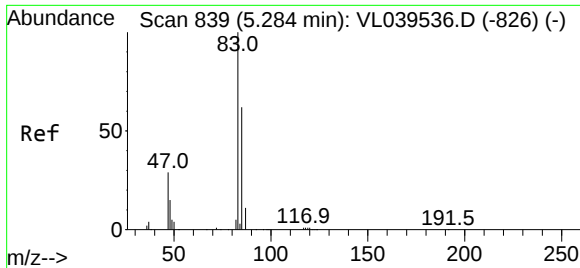
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#26
Hexane
Concen: 3.328 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.013 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

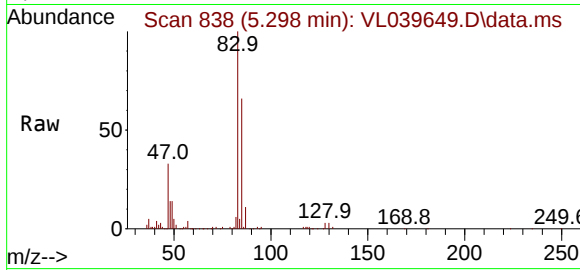
Tgt Ion: 57	Resp: 370020
Ion Ratio	Lower Upper
57 100	
41 100.8	76.9 115.3
43 127.6	191.0 286.6#
56 57.6	43.2 64.8





#29
Chloroform
Concen: 2.426 ppbv
RT: 5.298 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

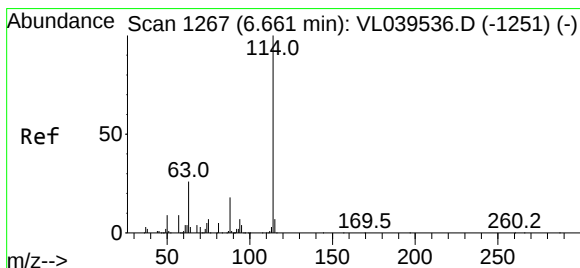
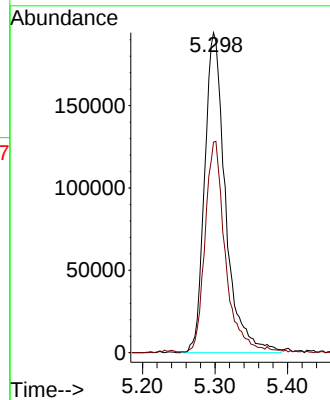
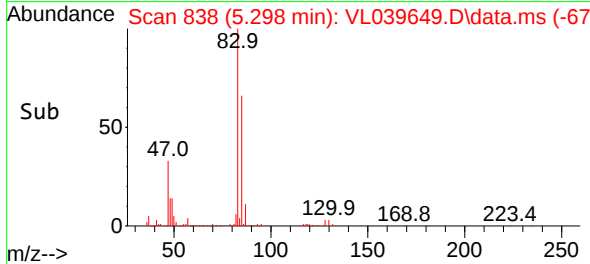
Instrument :
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COPF7



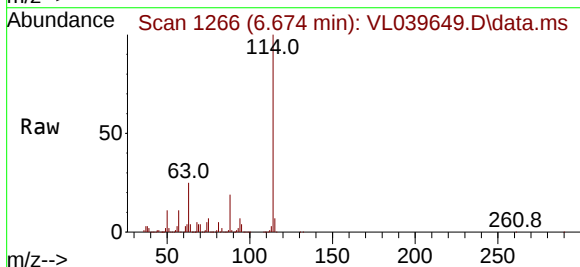
Tgt Ion: 83 Resp: 389312
Ion Ratio Lower Upper
83 100
85 65.5 52.8 79.2

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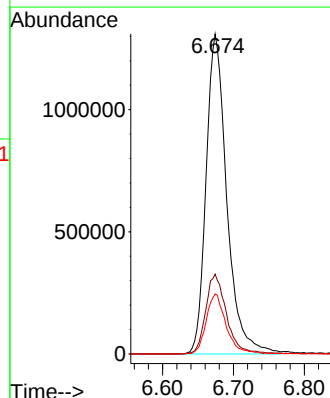
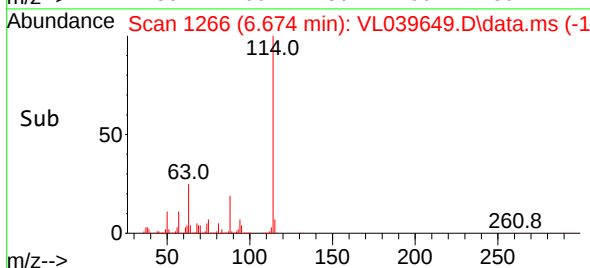
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

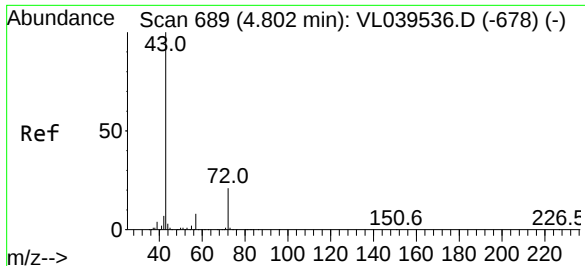


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. 0.013 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18



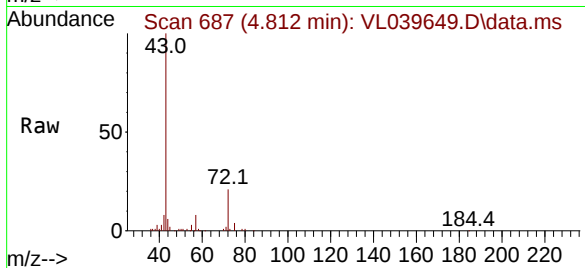
Tgt Ion:114 Resp: 2660268
Ion Ratio Lower Upper
114 100
63 25.1 20.2 30.4
88 18.2 14.5 21.7





#34
2-Butanone
Concen: 1.075 ppbv
RT: 4.812 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

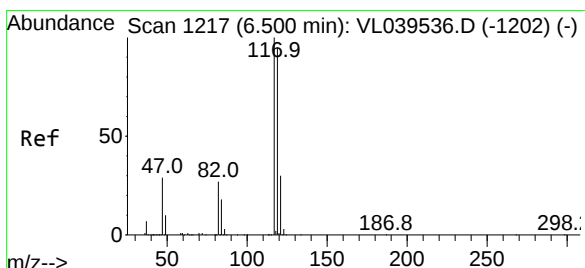
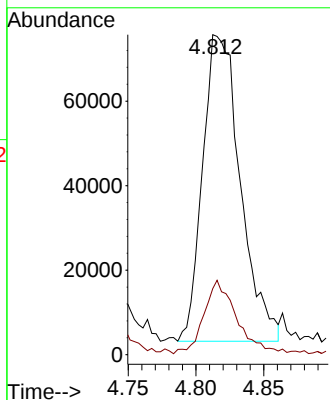
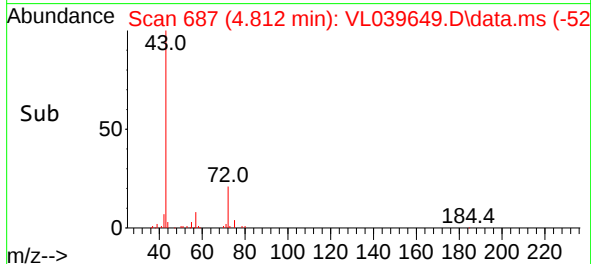
Instrument :
MSVOA_L
ClientSampleId :
COPF7



Tgt Ion: 43 Resp: 140450
Ion Ratio Lower Upper
43 100
72 22.4 17.9 26.9

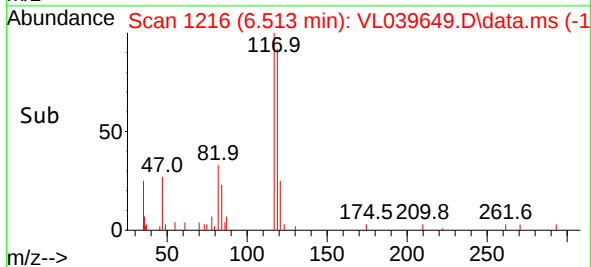
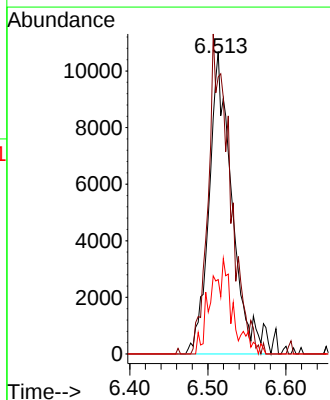
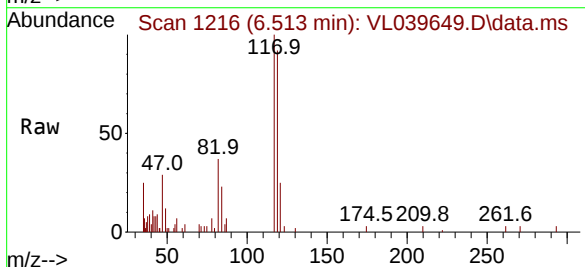
Manual Integrations
APPROVED

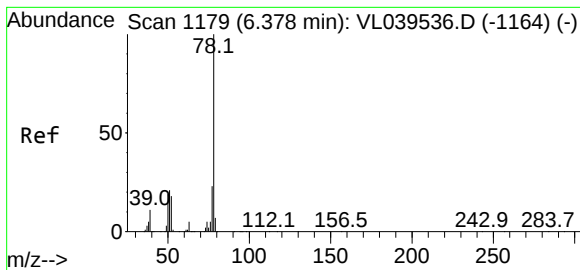
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#35
Carbon Tetrachloride
Concen: 0.157 ppbv m
RT: 6.513 min Scan# 1216
Delta R.T. 0.014 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

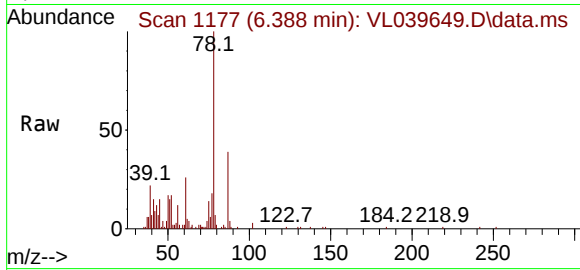
Tgt Ion:117 Resp: 22102
Ion Ratio Lower Upper
117 100
119 91.6 75.4 113.2
121 24.6 24.2 36.2





#36
Benzene
Concen: 0.278 ppbv
RT: 6.388 min Scan# 1177
Delta R.T. 0.010 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

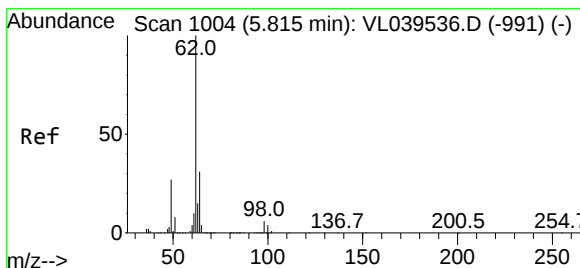
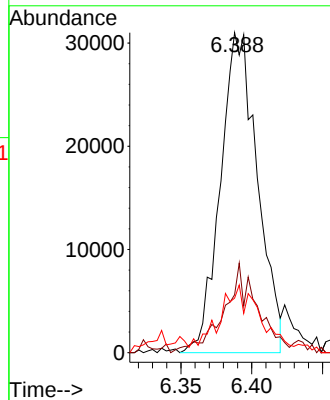
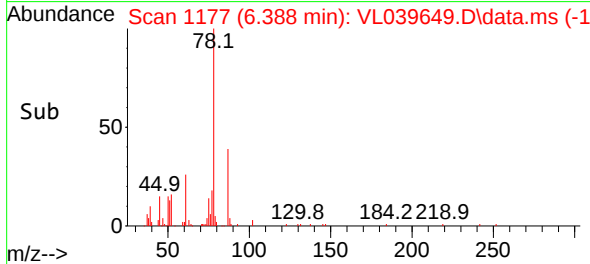
Instrument :
MSVOA_L
ClientSampleId :
C0PF7



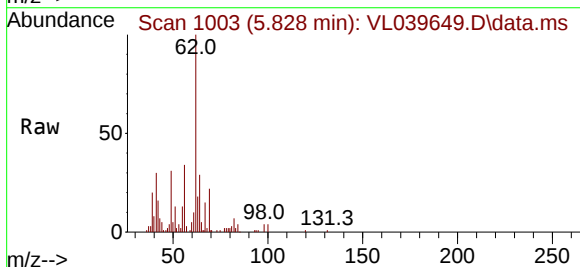
Tgt Ion: 78 Resp: 5644
Ion Ratio Lower Upper
78 100
77 16.6 20.3 30.5
50 12.0 15.5 23.3

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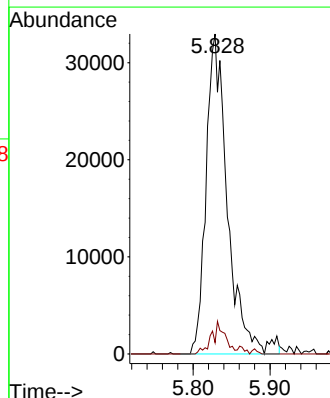
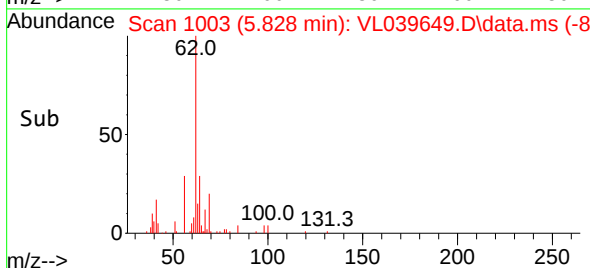
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

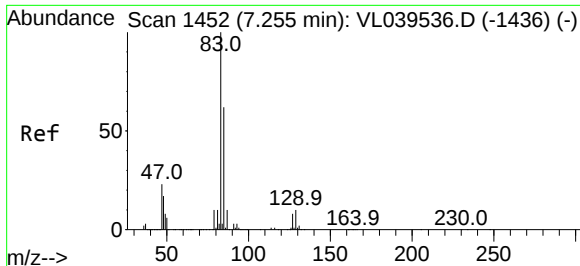


#37
1,2-Dichloroethane
Concen: 0.578 ppbv m
RT: 5.828 min Scan# 1003
Delta R.T. 0.014 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18



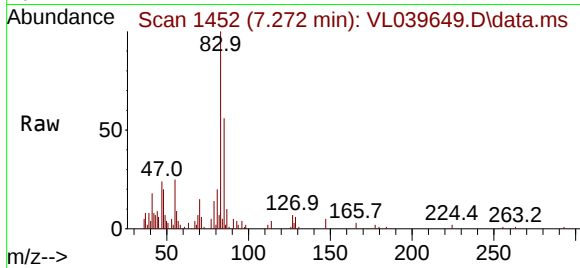
Tgt Ion: 62 Resp: 63939
Ion Ratio Lower Upper
62 100
98 0.0 5.1 7.7#





#42
Bromodichloromethane
Concen: 0.218 ppbv m
RT: 7.272 min Scan# 1452
Delta R.T. 0.017 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

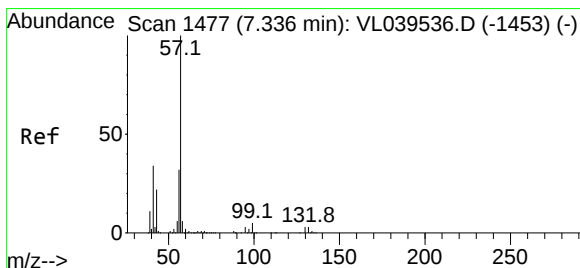
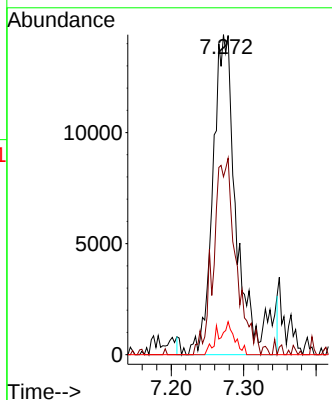
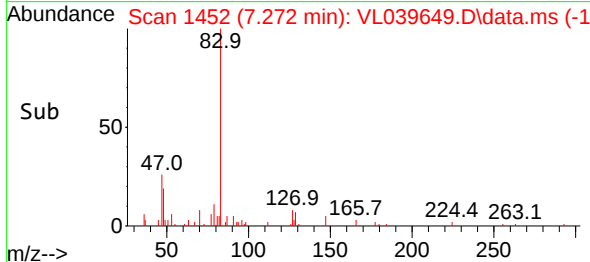
Instrument :
MSVOA_L
ClientSampleId :
C0PF7



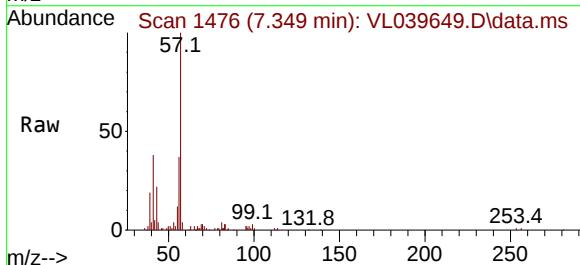
Tgt Ion: 83 Resp: 3360
Ion Ratio Lower Upper
83 100
85 55.6 50.7 76.1
127 6.9 6.6 9.8

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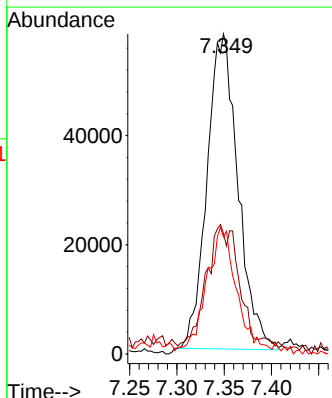
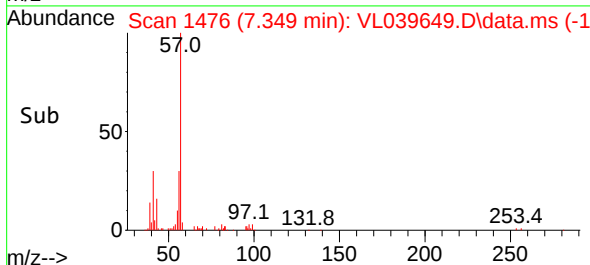
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

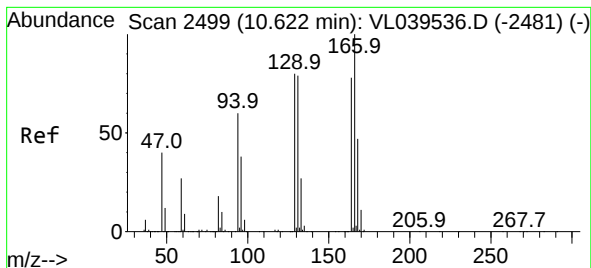


#44
2,2,4-Trimethylpentane
Concen: 0.375 ppbv
RT: 7.349 min Scan# 1476
Delta R.T. 0.013 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18



Tgt Ion: 57 Resp: 131603
Ion Ratio Lower Upper
57 100
41 46.2 27.4 41.2#
56 40.0 24.5 36.7#





#52

Tetrachloroethene

Concen: 0.525 ppbv

RT: 10.632 min Scan# 2499

Delta R.T. 0.010 min

Lab File: VL039649.D

Acq: 22 Sep 2022 00:18

Instrument :

MSVOA_L

ClientSampleId :

C0PF7

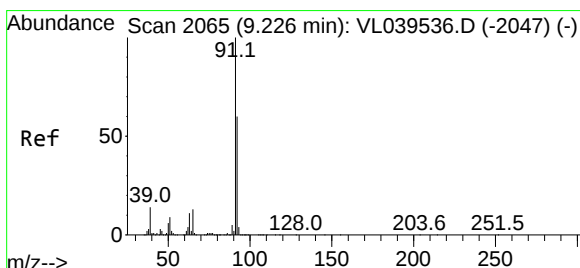
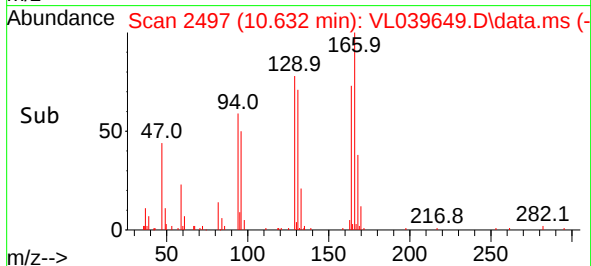
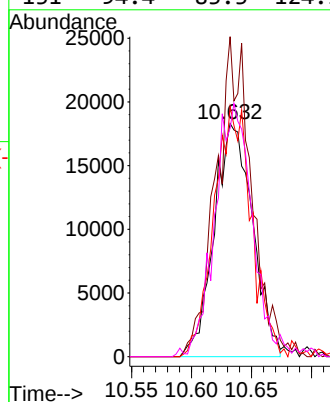
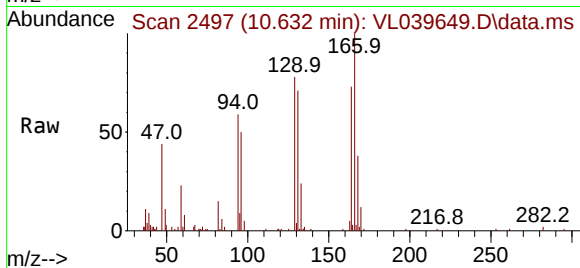
Tgt Ion:	164	Resp:	4072
Ion Ratio	Lower	Upper	
164	100		
166	137.3	102.2	153.2
129	107.3	85.8	128.8
131	94.4	83.3	124.9

Manual Integrations

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Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022



#53

Toluene

Concen: 1.737 ppbv m

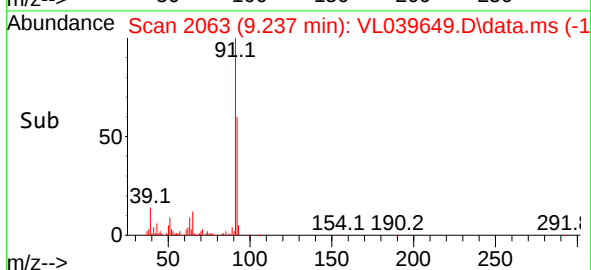
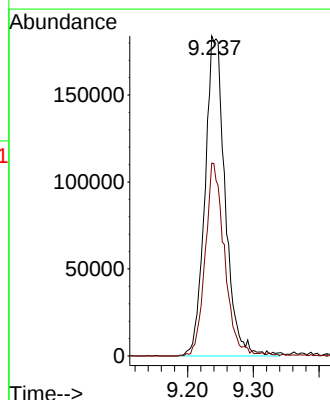
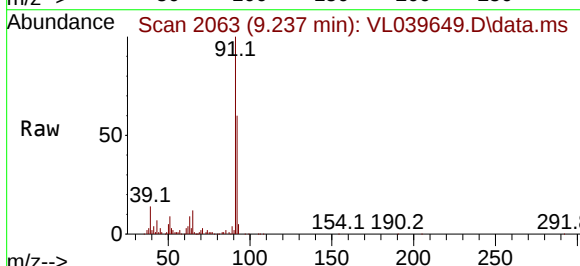
RT: 9.237 min Scan# 2063

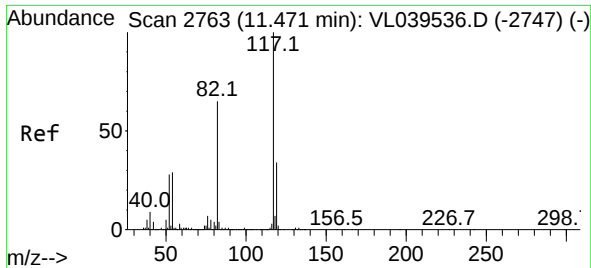
Delta R.T. 0.010 min

Lab File: VL039649.D

Acq: 22 Sep 2022 00:18

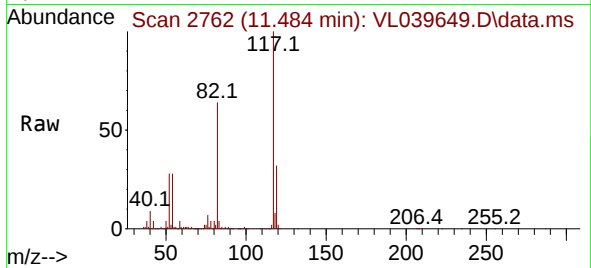
Tgt Ion:	91	Resp:	392973
Ion Ratio	Lower	Upper	
91	100		
92	0.0	48.2	72.2#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 21
Delta R.T. 0.014 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

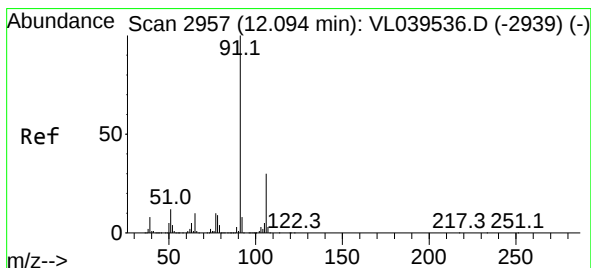
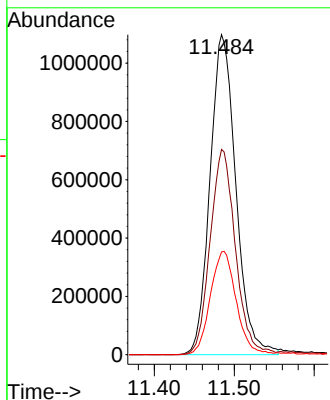
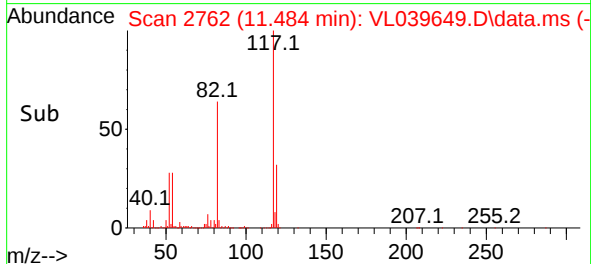
Instrument :
MSVOA_L
ClientSampleId :
C0PF7



Tgt Ion:117 Resp: 246186
Ion Ratio Lower Upper
117 100
82 63.0 50.8 76.2
119 33.1 24.1 36.1

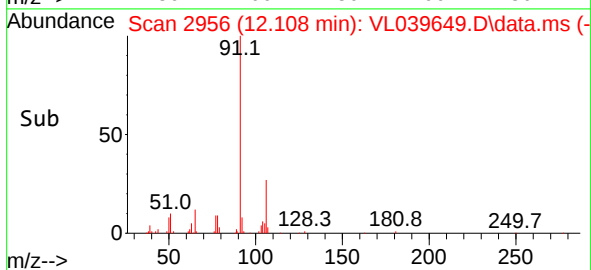
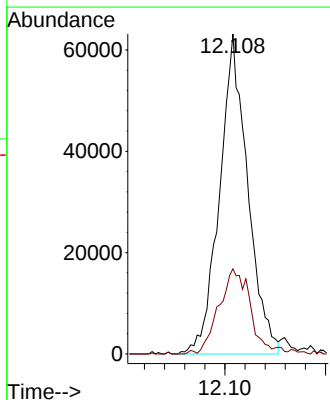
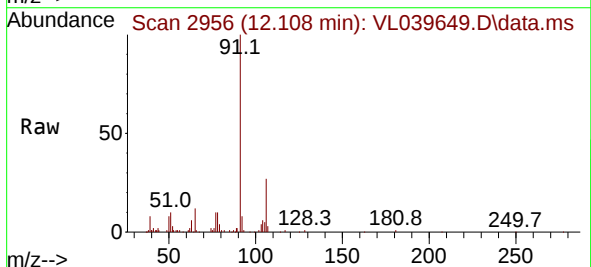
Manual Integrations
APPROVED

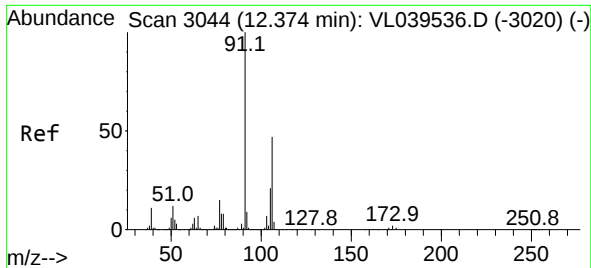
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#58
Ethyl Benzene
Concen: 0.433 ppbv
RT: 12.108 min Scan# 2956
Delta R.T. 0.014 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

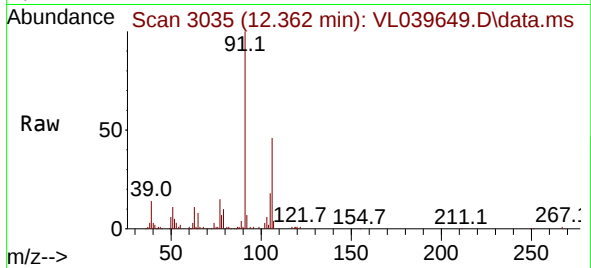
Tgt Ion: 91 Resp: 122840
Ion Ratio Lower Upper
91 100
106 26.6 25.4 38.0





#59
m/p-Xylene
Concen: 0.860 ppbv m
RT: 12.362 min Scan# 3044
Delta R.T. -0.012 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

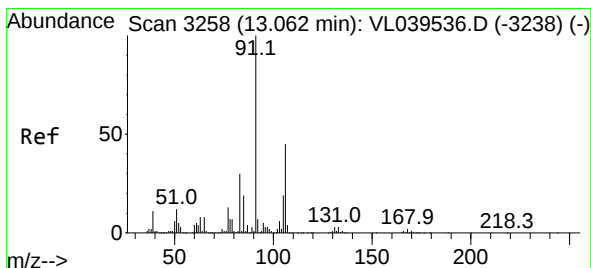
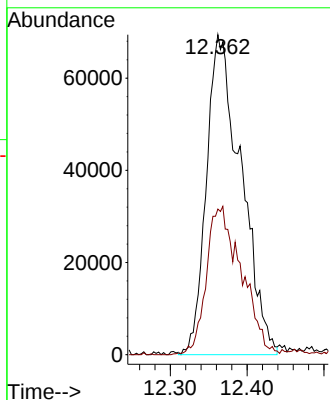
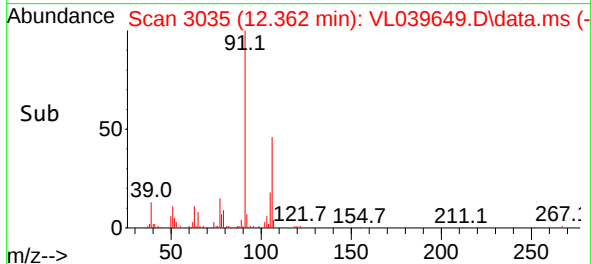
Instrument :
MSVOA_L
ClientSampleId :
C0PF7



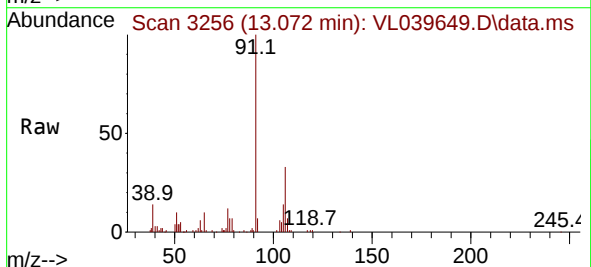
Tgt Ion: 91 Resp: 21715
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2

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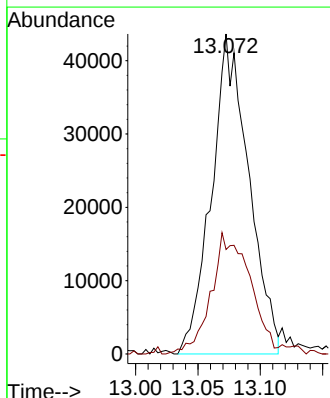
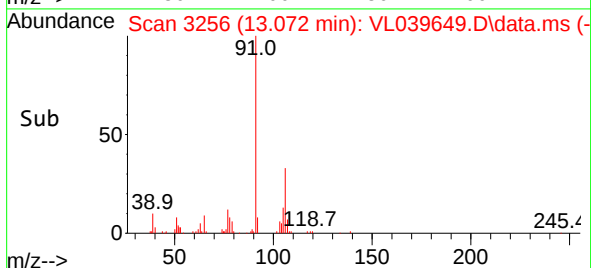
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

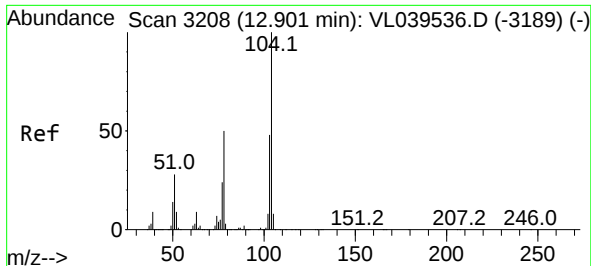


#60
o-Xylene
Concen: 0.377 ppbv
RT: 13.072 min Scan# 3256
Delta R.T. 0.010 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18



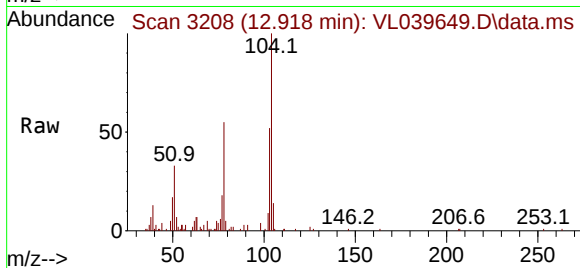
Tgt Ion: 91 Resp: 90970
Ion Ratio Lower Upper
91 100
106 41.2 22.4 67.3





#61
Styrene
Concen: 0.356 ppbv
RT: 12.918 min Scan# 3189
Delta R.T. 0.017 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18

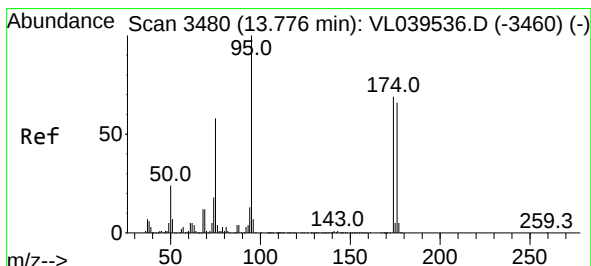
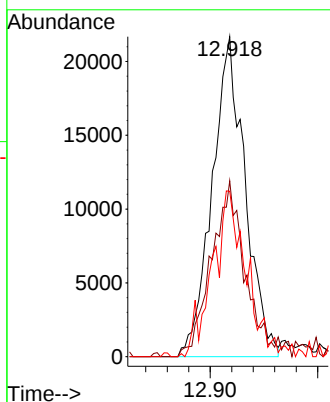
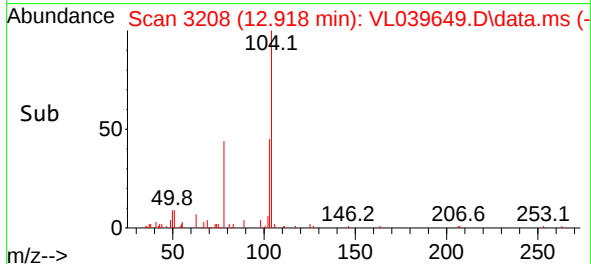
Instrument :
MSVOA_L
ClientSampleId :
C0PF7



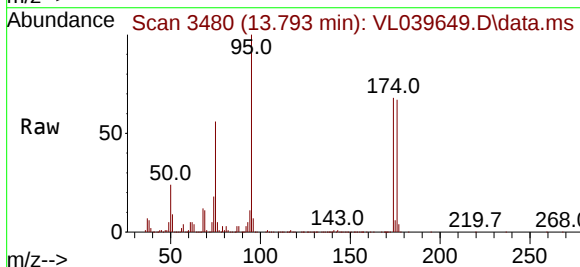
Tgt Ion:104 Resp: 4628
Ion Ratio Lower Upper
104 100
78 56.8 41.2 61.8
103 55.0 38.7 58.1

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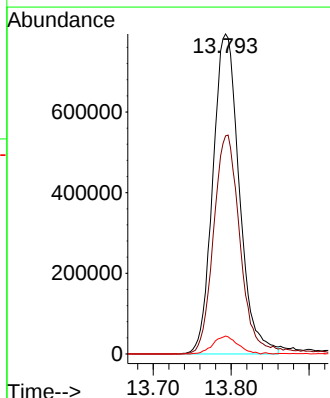
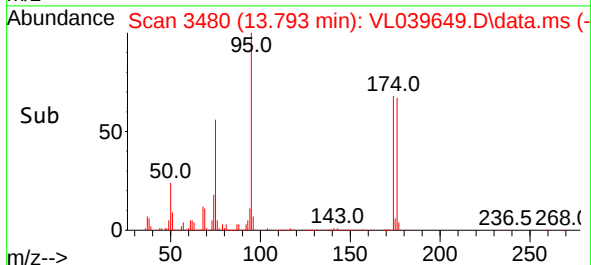
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

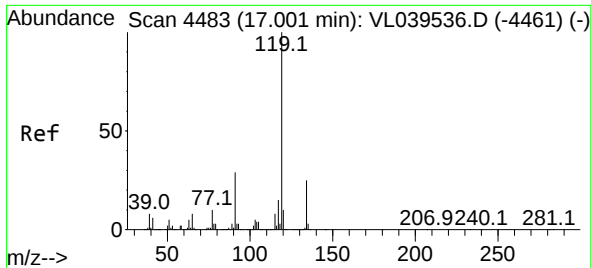


#68
1-Bromo-4-Fluorobenzene
Concen: 10.170 ppbv
RT: 13.793 min Scan# 3480
Delta R.T. 0.017 min
Lab File: VL039649.D
Acq: 22 Sep 2022 00:18



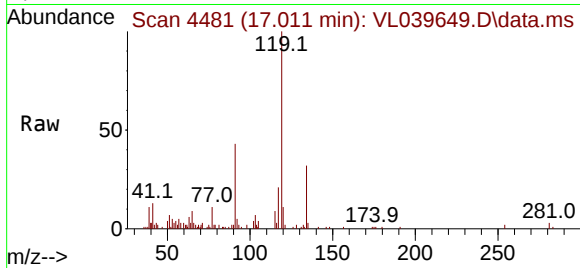
Tgt Ion: 95 Resp: 1868977
Ion Ratio Lower Upper
95 100
174 70.7 55.9 83.9
175 5.4 4.2 6.4





#69
 p-Isopropyltoluene
 Concen: 0.158 ppbv
 RT: 17.011 min Scan# 44
 Delta R.T. 0.010 min
 Lab File: VL039649.D
 Acq: 22 Sep 2022 00:18

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF7



Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	20.3	30.5
91	37.4	22.9	34.3

Manual Integrations
 APPROVED

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

