

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039665.D
 Acq On : 22 Sep 2022 11:40
 Operator : SY/AP
 Sample : N4669-12
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG4

Manual Integrations
 APPROVED

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

Quant Time: Sep 22 12:13:44 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	5.227	49	958693	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.687	114	2418561	10.000	ppbv	0.03
55) Chlorobenzene-d5	11.497	117	2309167	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.805	95	1710327	9.922	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.767	85	17810m	0.160	ppbv	
3) Chlorodifluoromethane	2.713	51	44772	0.394	ppbv #	85
4) Chloromethane	2.851	50	32257	0.470	ppbv	99
9) Propene	2.732	41	37579m	0.723	ppbv	
11) Trichlorofluoromethane	3.597	101	40151	0.292	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.108	101	7928m	0.076	ppbv	
13) Ethanol	3.282	45	3275210	827.267	ppbv	70
15) Acetone	3.500	43	3321057	31.131	ppbv	95
20) Methylene Chloride	3.970	84	983002	19.930	ppbv	96
26) Hexane	5.246	57	741504	7.512	ppbv #	48
29) Chloroform	5.311	83	32291m	0.227	ppbv	
34) 2-Butanone	4.825	43	414878	3.492	ppbv	99
36) Benzene	6.401	78	67120	0.363	ppbv	92
38) Trichloroethene	7.327	130	422611	4.229	ppbv	96
41) Tetrahydrofuran	5.594	42	129985	1.784	ppbv	98
44) 2,2,4-Trimethylpentane	7.362	57	226386	0.710	ppbv	91
52) Tetrachloroethene	10.654	164	5236751	74.234	ppbv	95
53) Toluene	9.253	91	785123	3.818	ppbv	98
58) Ethyl Benzene	12.121	91	77720m	0.292	ppbv	
59) m/p-Xylene	12.381	91	252901m	1.067	ppbv	
60) o-Xylene	13.088	91	90837	0.401	ppbv	97
73) 1,3,5-Trimethylbenzene	15.384	105	49147	0.208	ppbv	99

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

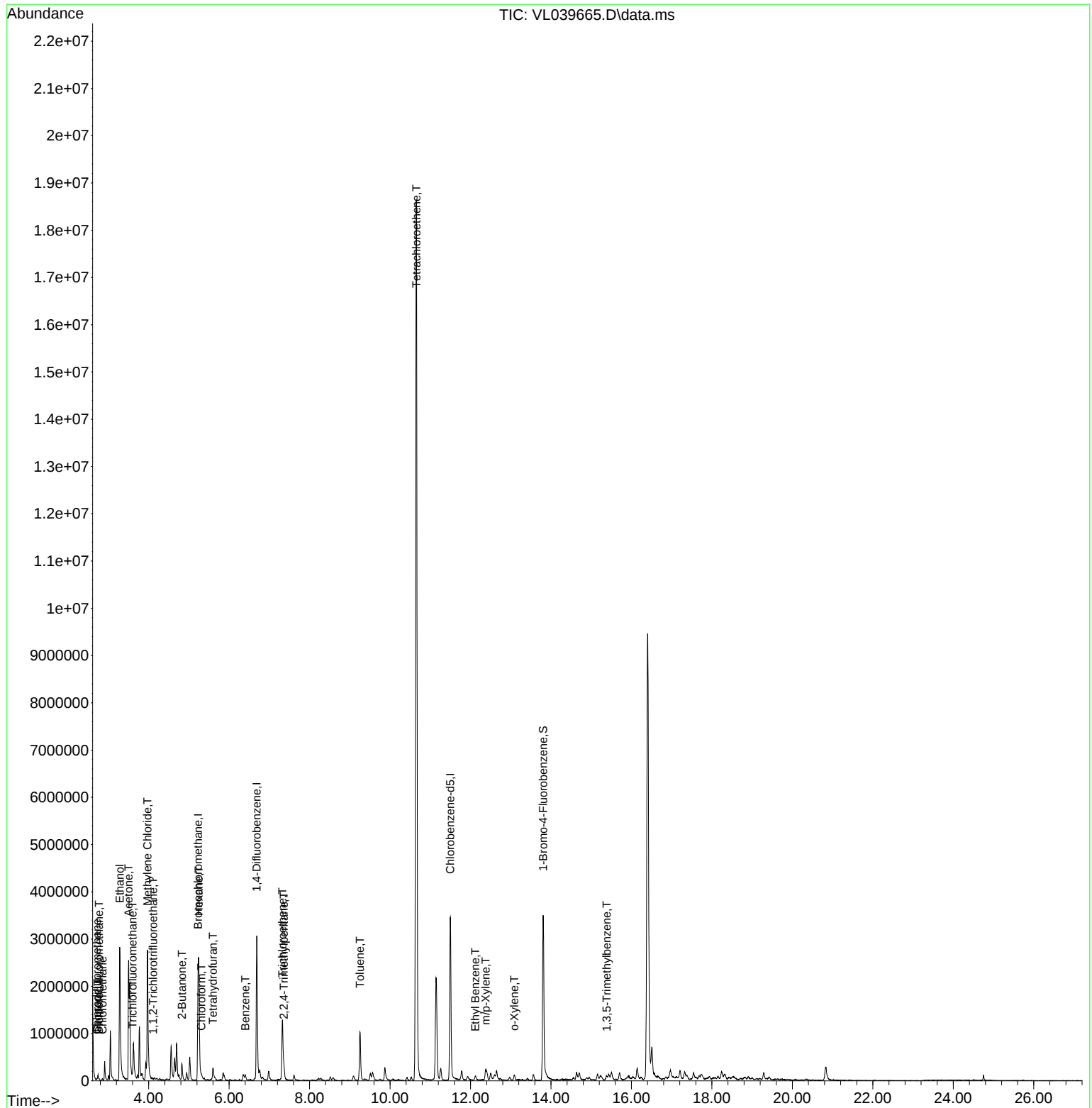
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
Data File : VL039665.D
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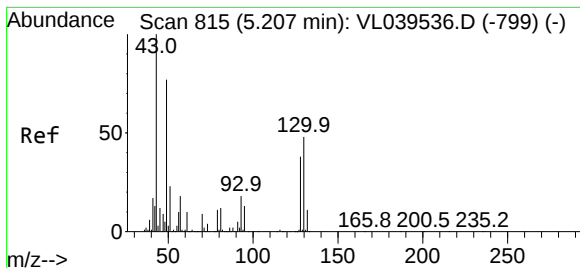
Instrument :
MSVOA_L
ClientSampleId :
C0PG4

Quant Time: Sep 22 12:13:44 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
APPROVED

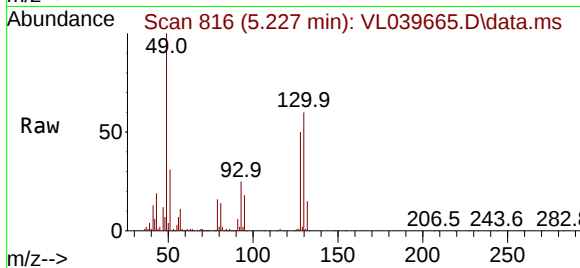
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.227 min Scan# 815
Delta R.T. 0.020 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40

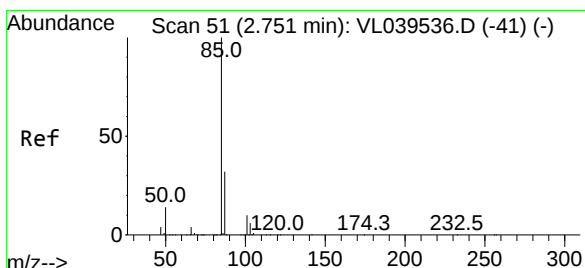
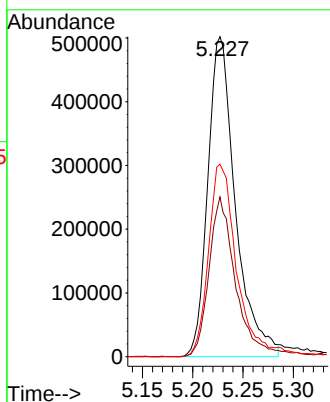
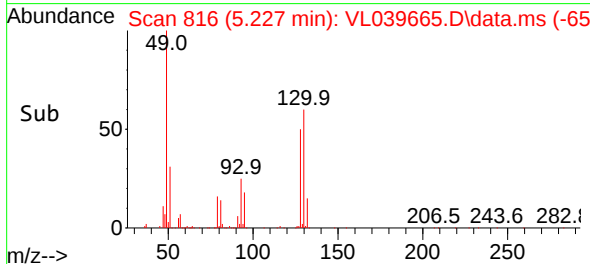
Instrument :
MSVOA_L
ClientSampleId :
C0PG4



Tgt Ion: 49 Resp: 95869
Ion Ratio Lower Upper
49 100
128 49.7 26.7 80.0
130 63.1 34.3 102.8

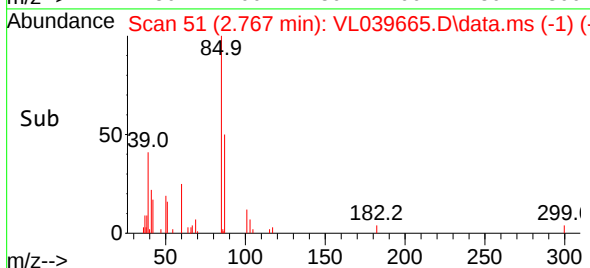
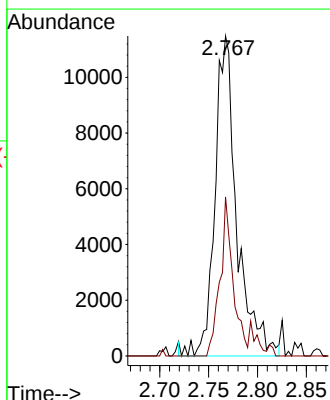
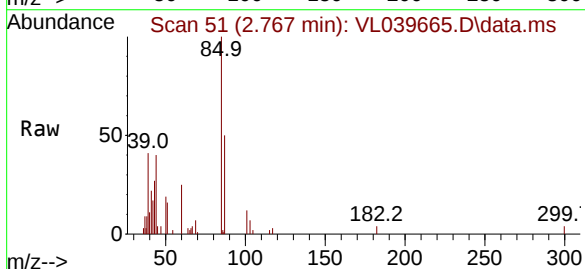
Manual Integrations
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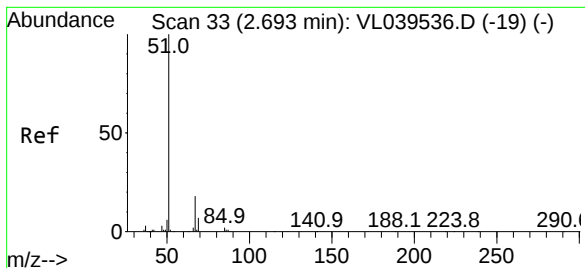
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#2
Dichlorodifluoromethane
Concen: 0.160 ppbv m
RT: 2.767 min Scan# 51
Delta R.T. 0.017 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40

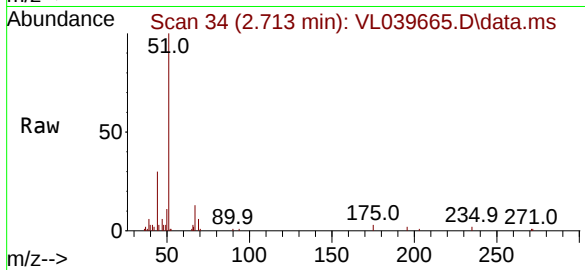
Tgt Ion: 85 Resp: 17810
Ion Ratio Lower Upper
85 100
87 49.7 26.7 40.1#





#3
Chlorodifluoromethane
Concen: 0.394 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.020 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40

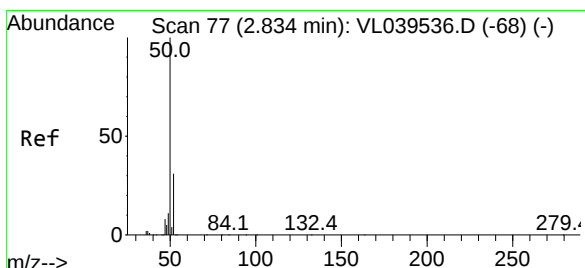
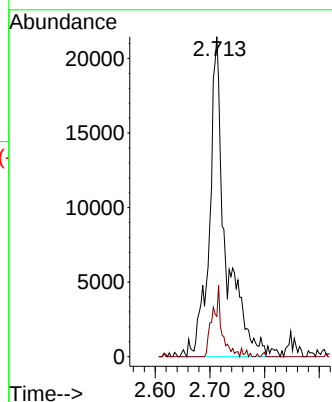
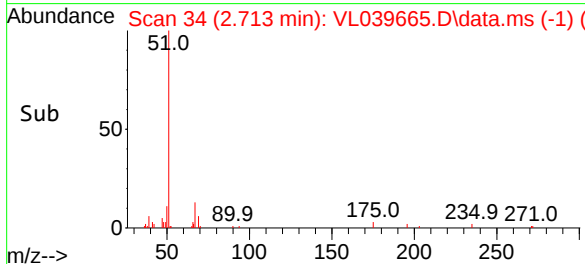
Instrument :
MSVOA_L
ClientSampleId :
C0PG4



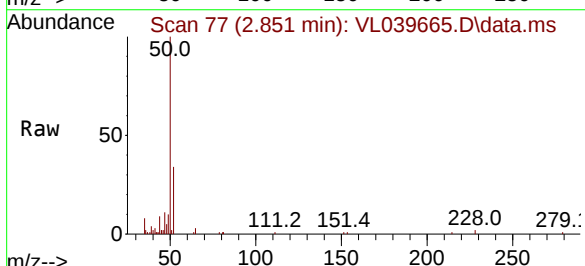
Tgt Ion: 51 Resp: 44772
Ion Ratio Lower Upper
51 100
67 12.9 15.7 23.5

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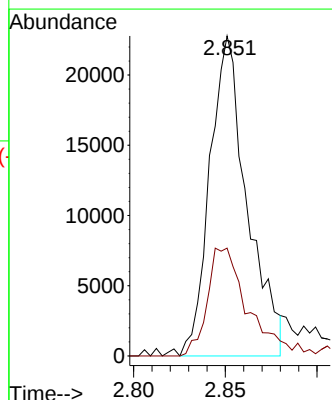
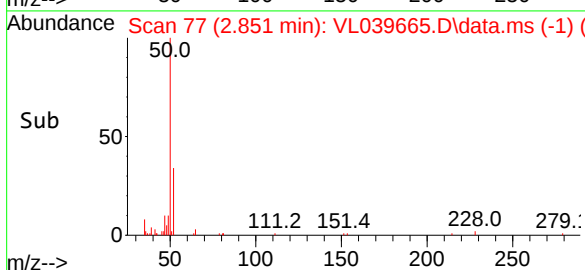
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

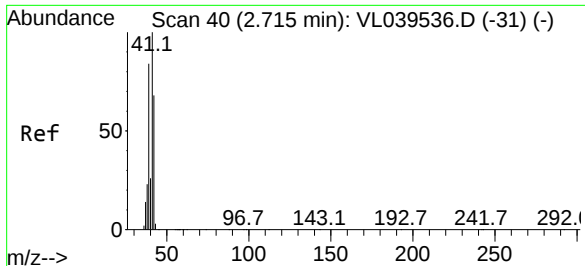


#4
Chloromethane
Concen: 0.470 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.017 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40



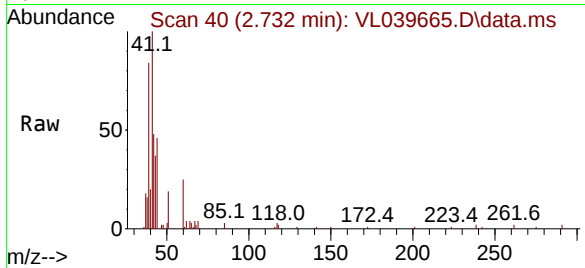
Tgt Ion: 50 Resp: 32257
Ion Ratio Lower Upper
50 100
52 33.7 26.5 39.7





#9
 Propene
 Concen: 0.723 ppbv m
 RT: 2.732 min Scan# 40
 Delta R.T. 0.017 min
 Lab File: VL039665.D
 Acq: 22 Sep 2022 11:40

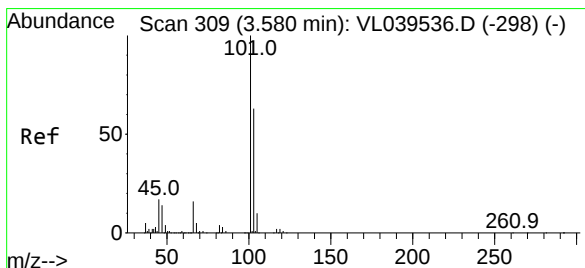
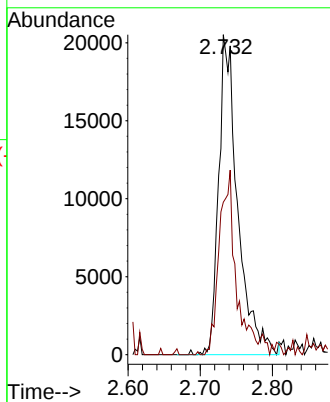
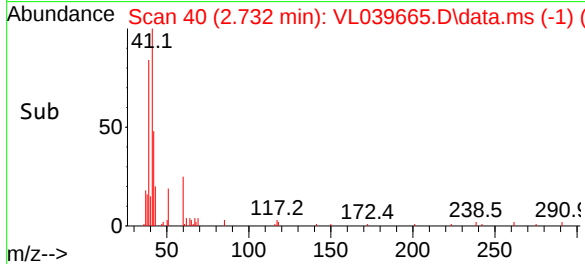
Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG4



Tgt Ion: 41 Resp: 37579
 Ion Ratio Lower Upper
 41 100
 42 0.0 55.2 82.8

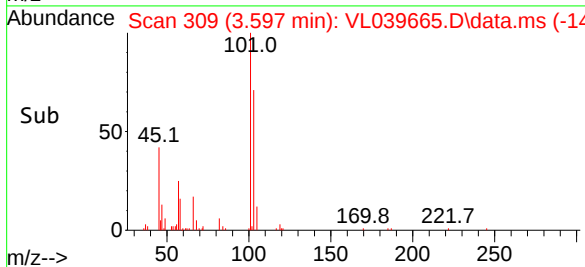
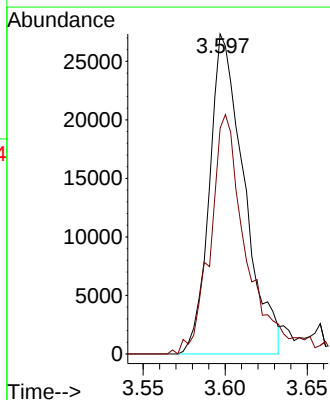
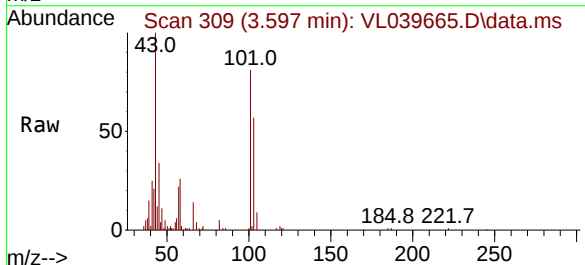
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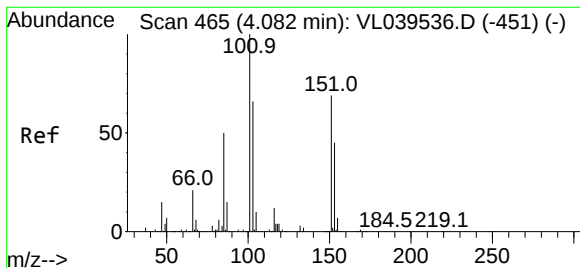
Reviewed By :Krupa Patel 09/28/2022
 Supervised By :Mahesh Dadoda 09/28/2022



#11
 Trichlorofluoromethane
 Concen: 0.292 ppbv
 RT: 3.597 min Scan# 309
 Delta R.T. 0.017 min
 Lab File: VL039665.D
 Acq: 22 Sep 2022 11:40

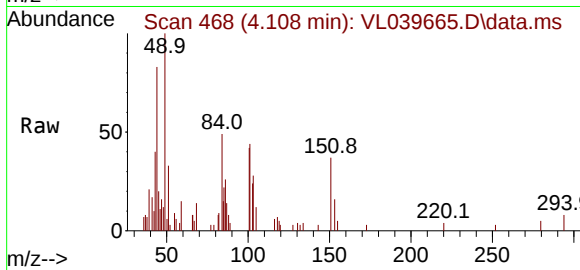
Tgt Ion:101 Resp: 40151
 Ion Ratio Lower Upper
 101 100
 103 70.5 51.8 77.8





#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.076 ppbv m
RT: 4.108 min Scan# 40
Delta R.T. 0.026 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40

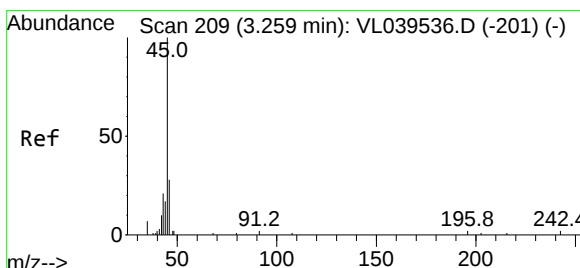
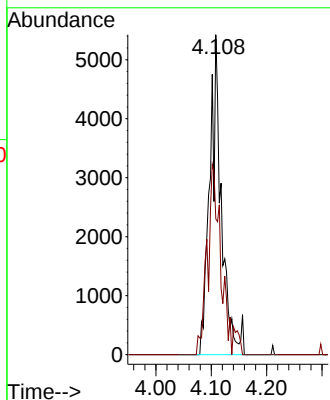
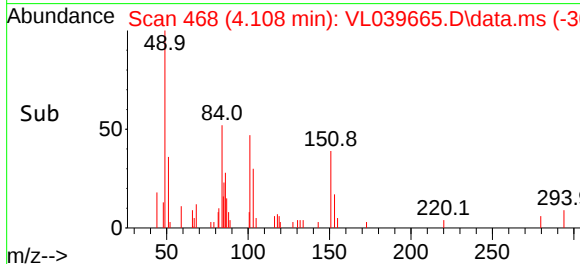
Instrument :
MSVOA_L
ClientSampleId :
C0PG4



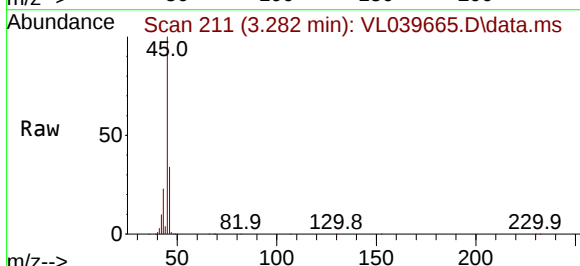
Tgt Ion: 101 Resp: 7928
Ion Ratio Lower Upper
101 100
151 71.1 58.9 88.3

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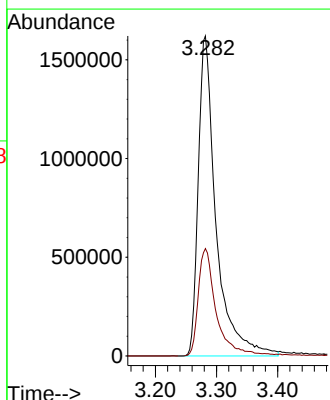
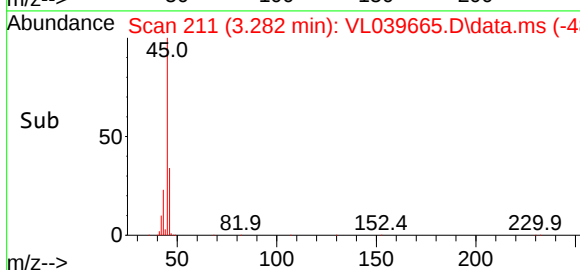
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

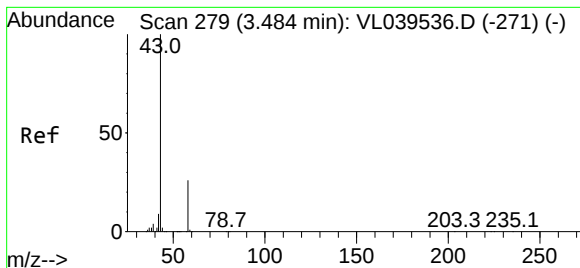


#13
Ethanol
Concen: 827.267 ppbv
RT: 3.282 min Scan# 211
Delta R.T. 0.023 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40



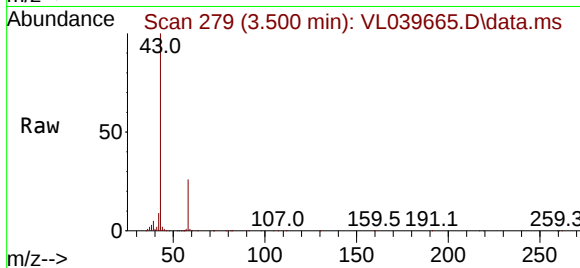
Tgt Ion: 45 Resp: 3275210
Ion Ratio Lower Upper
45 100
46 35.0 22.8 91.2





#15
Acetone
Concen: 31.131 ppbv
RT: 3.500 min Scan# 21
Delta R.T. 0.017 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40

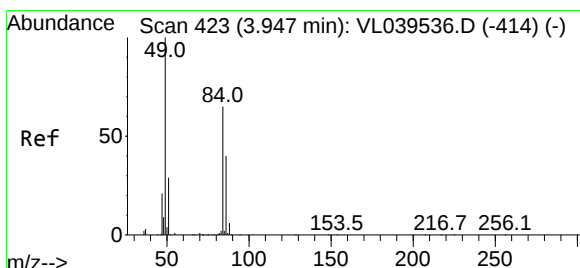
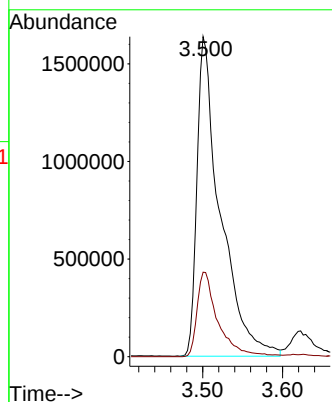
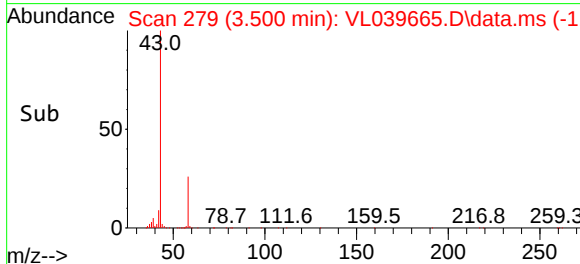
Instrument :
MSVOA_L
ClientSampleId :
C0PG4



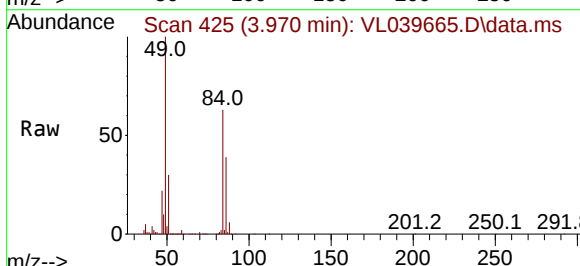
Tgt Ion: 43 Resp: 332105
Ion Ratio Lower Upper
43 100
58 23.8 21.0 31.6

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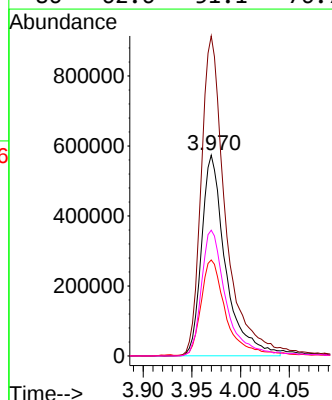
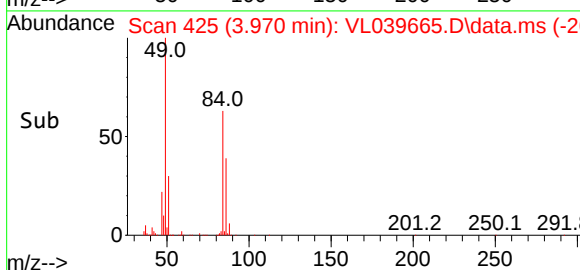
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

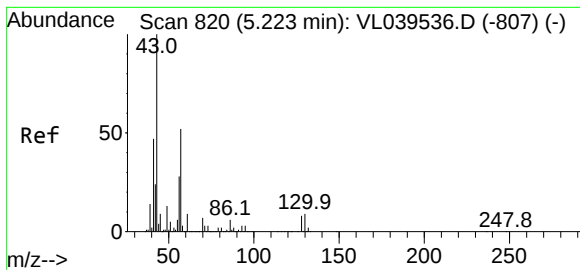


#20
Methylene Chloride
Concen: 19.930 ppbv
RT: 3.970 min Scan# 425
Delta R.T. 0.023 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40



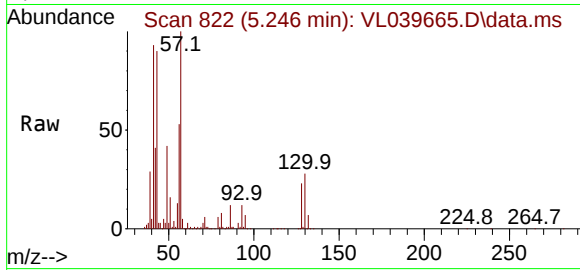
Tgt Ion: 84 Resp: 983002
Ion Ratio Lower Upper
84 100
49 159.2 123.1 184.7
51 47.5 34.4 51.6
86 62.6 51.1 76.7





#26
Hexane
Concen: 7.512 ppbv
RT: 5.246 min Scan# 81
Delta R.T. 0.023 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40

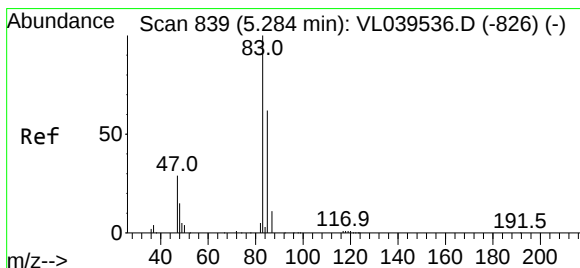
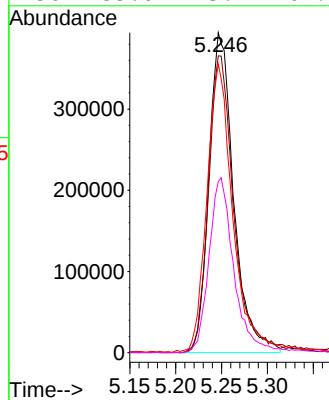
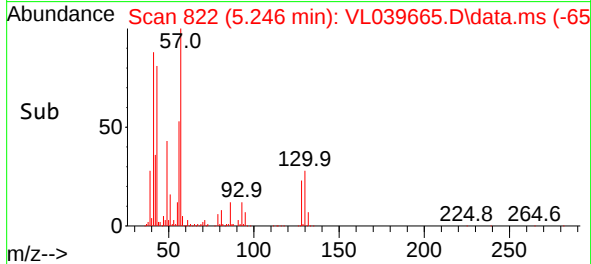
Instrument :
MSVOA_L
ClientSampleId :
C0PG4



Tgt Ion: 57 Resp: 741504
Ion Ratio Lower Upper
57 100
41 95.9 76.9 115.3
43 96.0 191.0 286.6
56 55.6 43.2 64.8

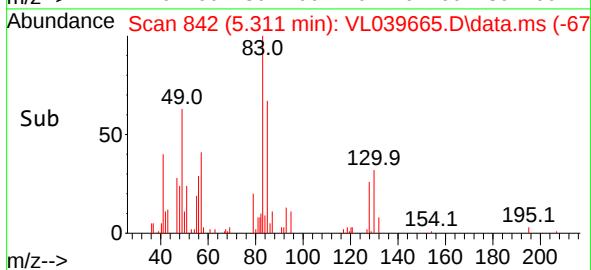
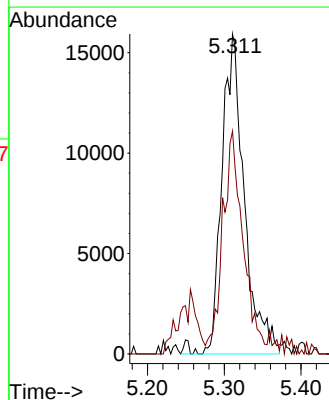
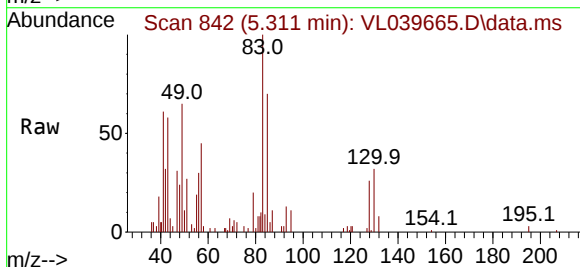
Manual Integrations
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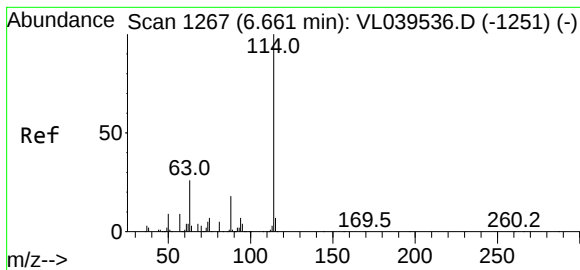
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#29
Chloroform
Concen: 0.227 ppbv m
RT: 5.311 min Scan# 842
Delta R.T. 0.026 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40

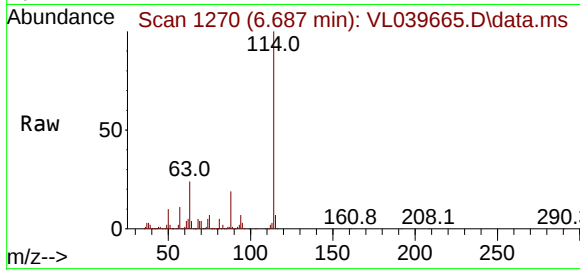
Tgt Ion: 83 Resp: 32291
Ion Ratio Lower Upper
83 100
85 69.6 52.8 79.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.687 min Scan# 114
Delta R.T. 0.026 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40

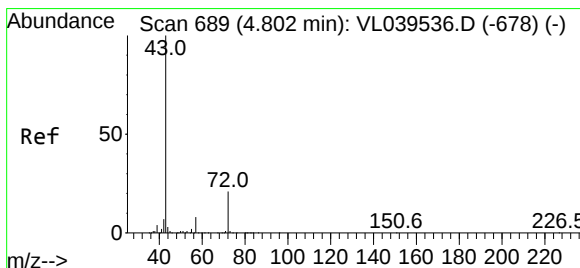
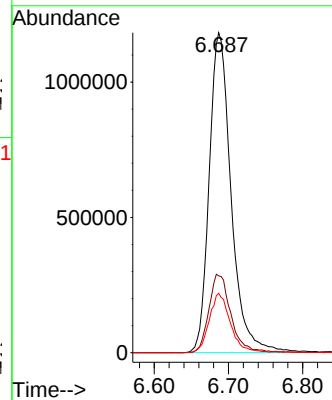
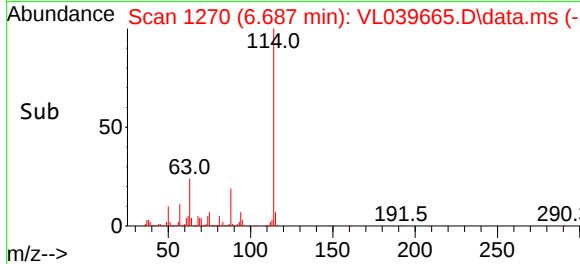
Instrument :
MSVOA_L
ClientSampleId :
C0PG4



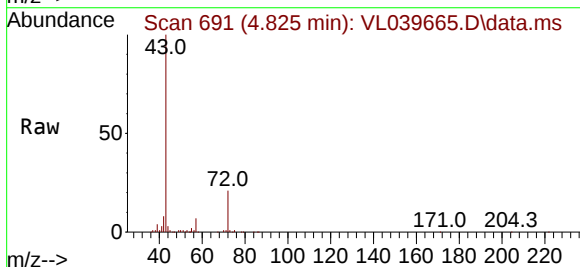
Tgt Ion:114 Resp: 241856
Ion Ratio Lower Upper
114 100
63 24.9 20.2 30.4
88 18.2 14.5 21.7

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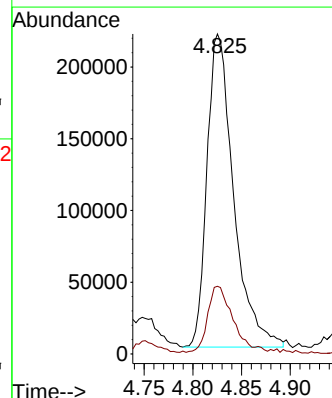
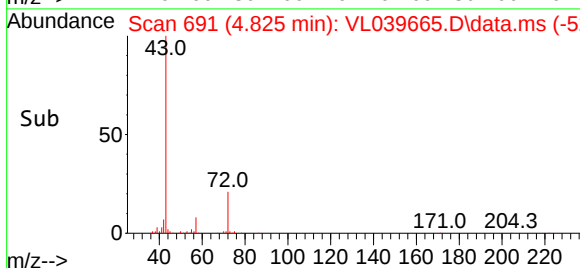
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

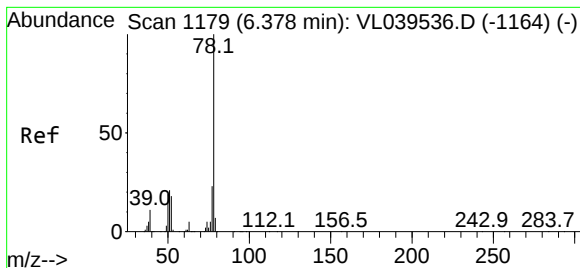


#34
2-Butanone
Concen: 3.492 ppbv
RT: 4.825 min Scan# 691
Delta R.T. 0.023 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40



Tgt Ion: 43 Resp: 414878
Ion Ratio Lower Upper
43 100
72 21.9 17.9 26.9





#36

Benzene

Concen: 0.363 ppbv

RT: 6.401 min Scan# 1181

Delta R.T. 0.023 min

Lab File: VL039665.D

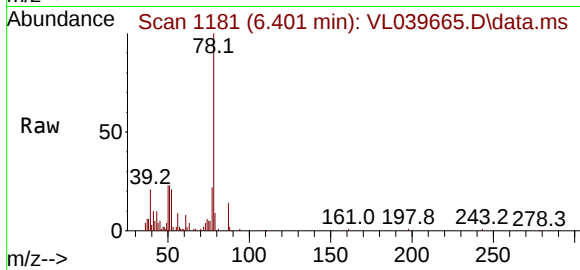
Acq: 22 Sep 2022 11:40

Instrument :

MSVOA_L

ClientSampleId :

C0PG4



Tgt Ion: 78 Resp: 67120

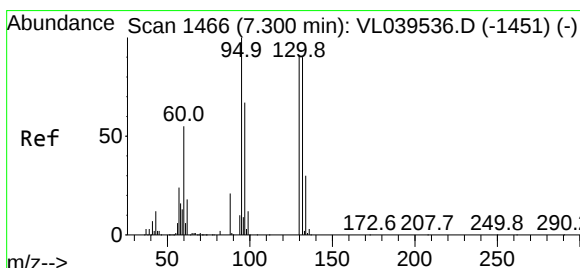
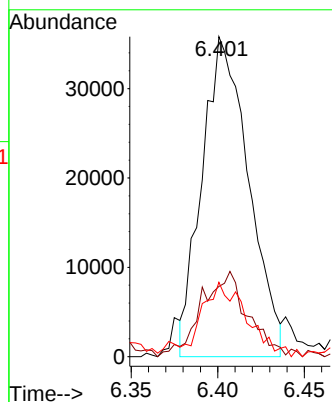
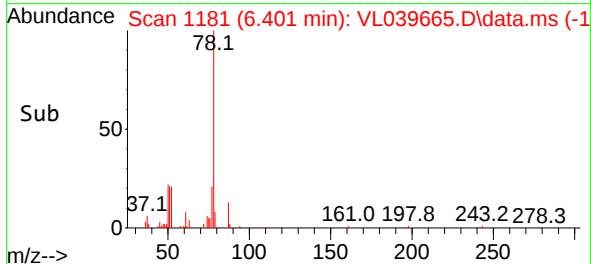
Ion	Ratio	Lower	Upper
78	100		
77	21.2	20.3	30.5
50	23.0	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022



#38

Trichloroethene

Concen: 4.229 ppbv

RT: 7.327 min Scan# 1469

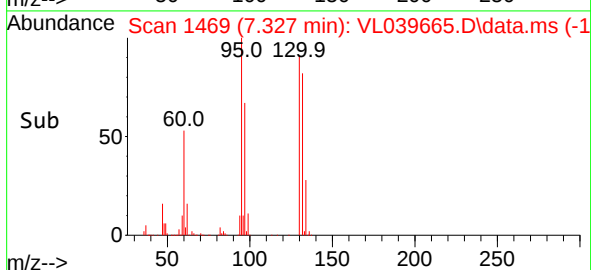
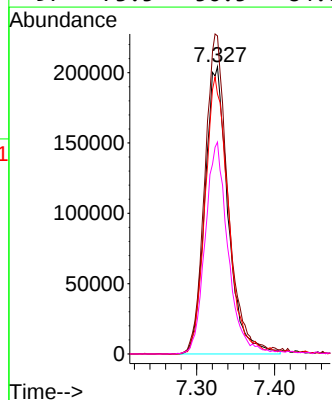
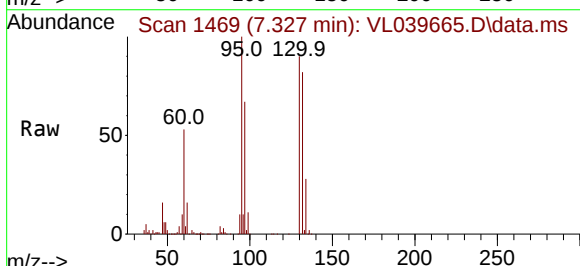
Delta R.T. 0.026 min

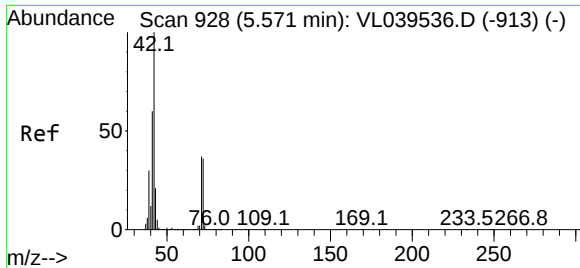
Lab File: VL039665.D

Acq: 22 Sep 2022 11:40

Tgt Ion:130 Resp: 422611

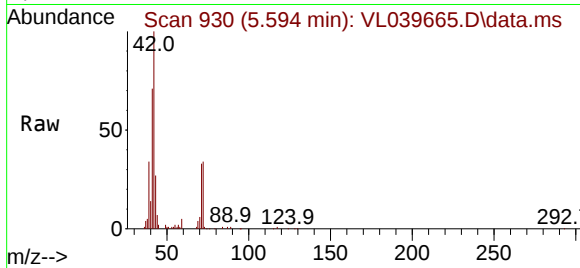
Ion	Ratio	Lower	Upper
130	100		
95	110.7	87.3	130.9
132	90.3	76.7	115.1
97	73.5	56.5	84.7





#41
Tetrahydrofuran
Concen: 1.784 ppbv
RT: 5.594 min Scan# 913
Delta R.T. 0.023 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40

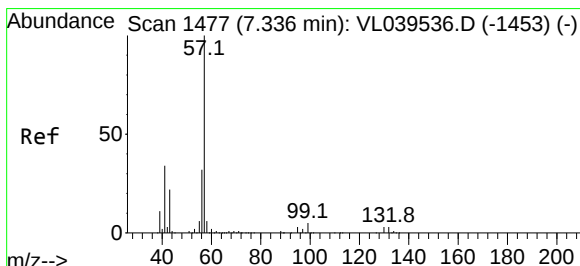
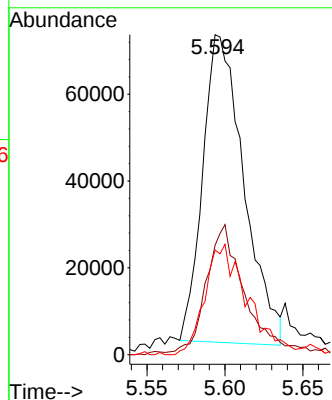
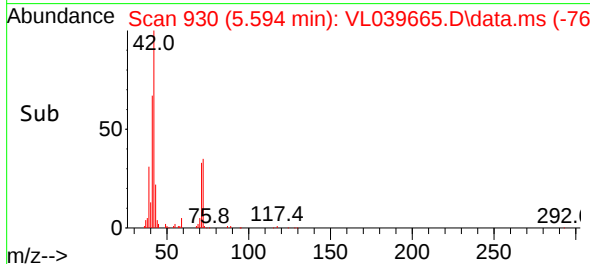
Instrument :
MSVOA_L
ClientSampleId :
C0PG4



Tgt Ion: 42 Resp: 129985
Ion Ratio Lower Upper
42 100
72 41.8 31.8 47.8
71 39.6 31.8 47.8

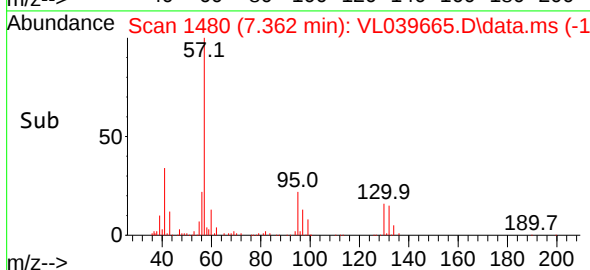
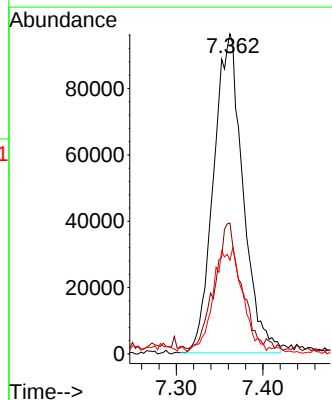
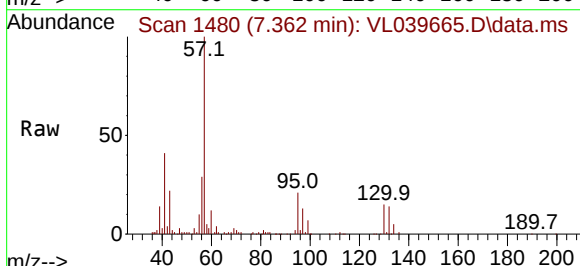
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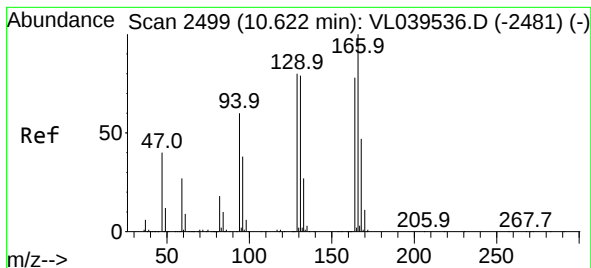
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#44
2,2,4-Trimethylpentane
Concen: 0.710 ppbv
RT: 7.362 min Scan# 1480
Delta R.T. 0.026 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40

Tgt Ion: 57 Resp: 226386
Ion Ratio Lower Upper
57 100
41 39.1 27.4 41.2
56 35.6 24.5 36.7





#52

Tetrachloroethene

Concen: 74.234 ppbv

RT: 10.654 min Scan# 2504

Delta R.T. 0.033 min

Lab File: VL039665.D

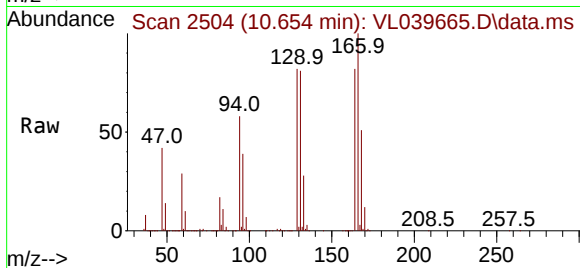
Acq: 22 Sep 2022 11:40

Instrument :

MSVOA_L

ClientSampleId :

C0PG4



Tgt Ion:164 Resp: 523675

Ion Ratio Lower Upper

164 100

166 122.0 102.2 153.2

129 100.6 85.8 128.8

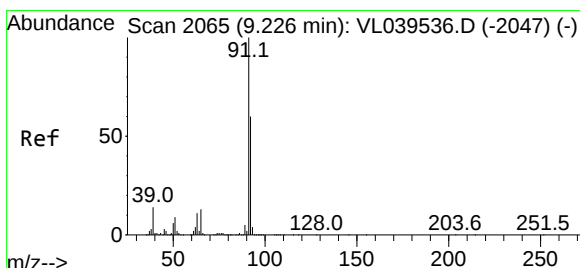
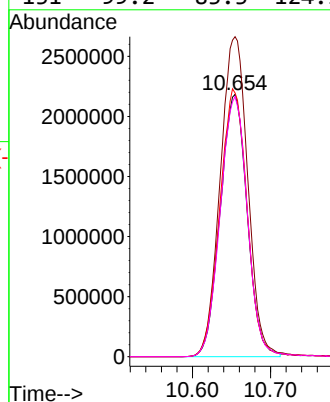
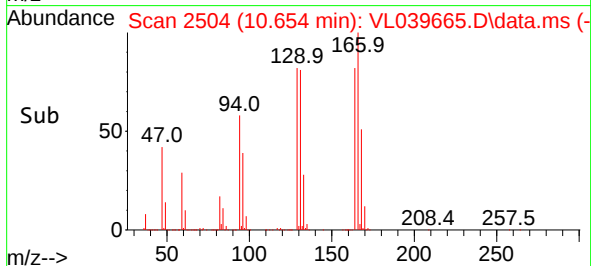
131 99.2 83.3 124.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022



#53

Toluene

Concen: 3.818 ppbv

RT: 9.253 min Scan# 2068

Delta R.T. 0.026 min

Lab File: VL039665.D

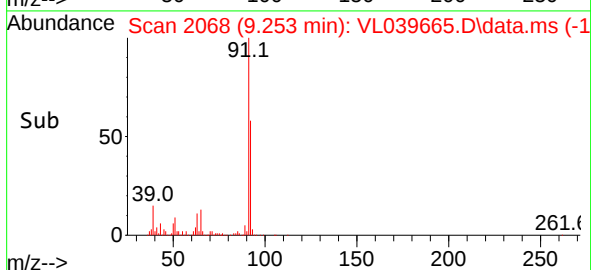
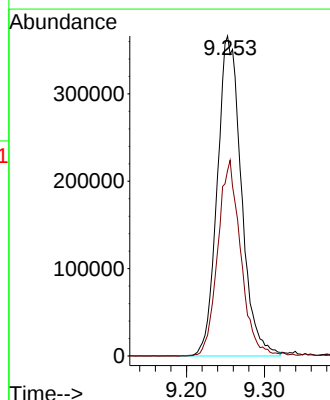
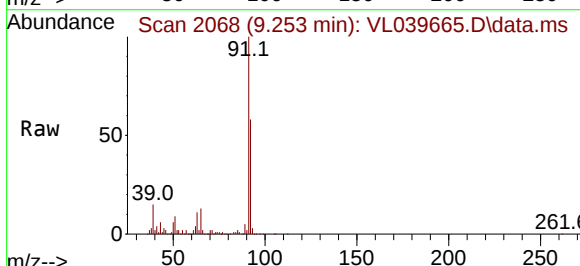
Acq: 22 Sep 2022 11:40

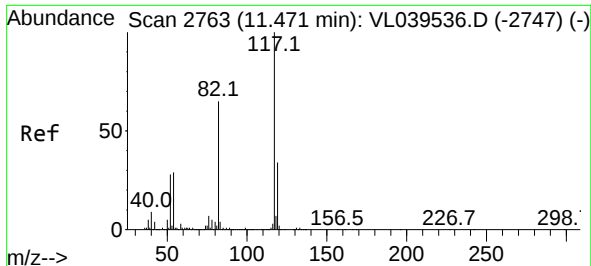
Tgt Ion: 91 Resp: 785123

Ion Ratio Lower Upper

91 100

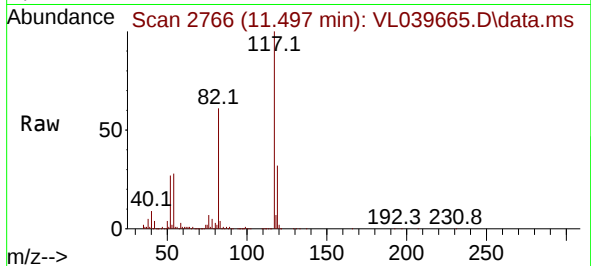
92 58.5 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.497 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40

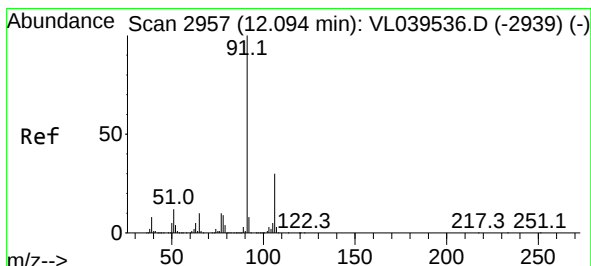
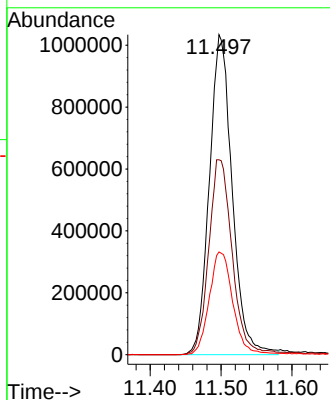
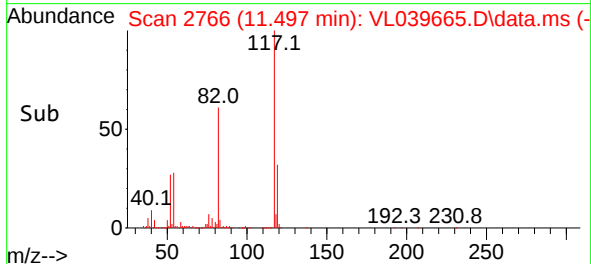
Instrument :
MSVOA_L
ClientSampleId :
C0PG4



Tgt Ion: 117 Resp: 230916
Ion Ratio Lower Upper
117 100
82 64.3 50.8 76.2
119 33.8 24.1 36.1

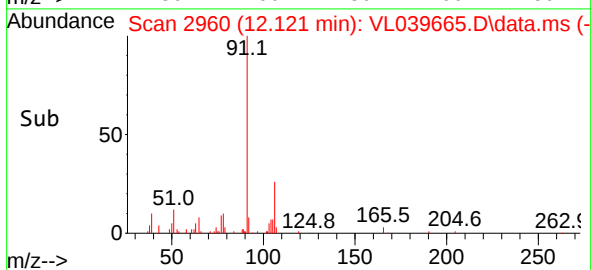
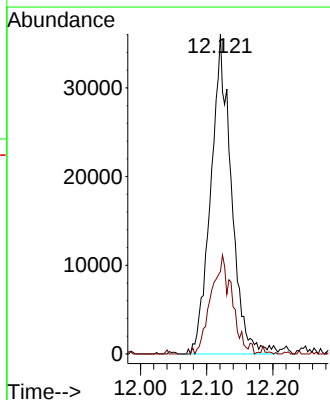
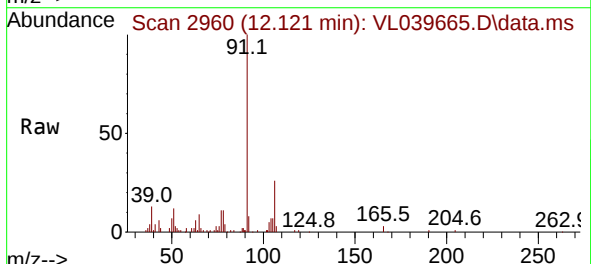
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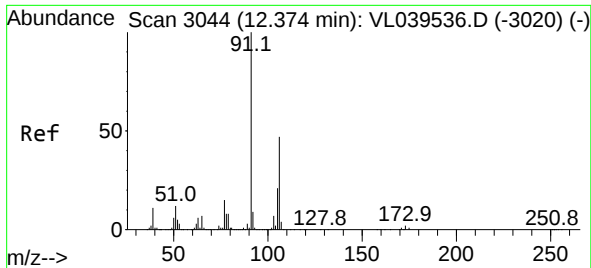
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#58
Ethyl Benzene
Concen: 0.292 ppbv m
RT: 12.121 min Scan# 2960
Delta R.T. 0.026 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40

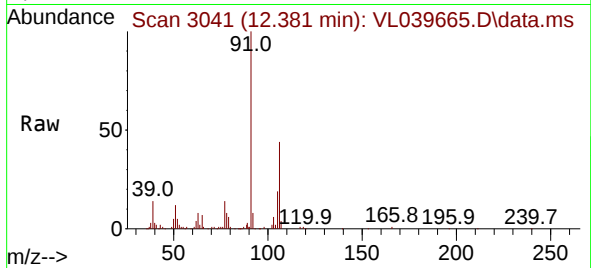
Tgt Ion: 91 Resp: 77720
Ion Ratio Lower Upper
91 100
106 25.8 25.4 38.0





#59
m/p-Xylene
Concen: 1.067 ppbv m
RT: 12.381 min Scan# 3041
Delta R.T. 0.007 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40

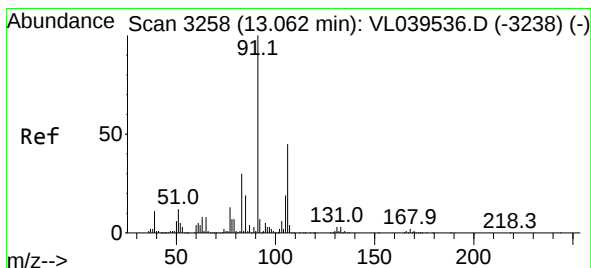
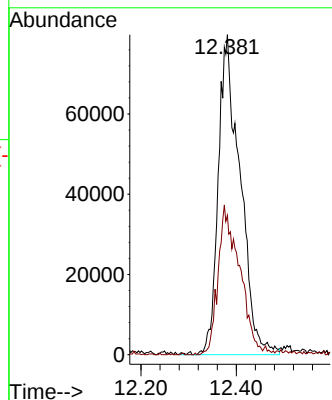
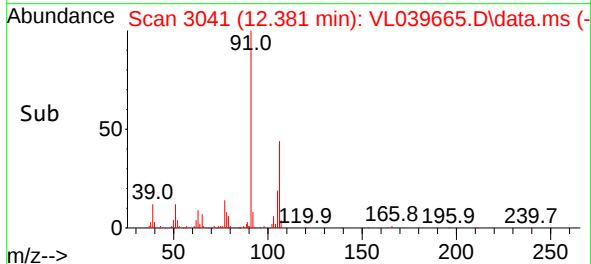
Instrument :
MSVOA_L
ClientSampleId :
C0PG4



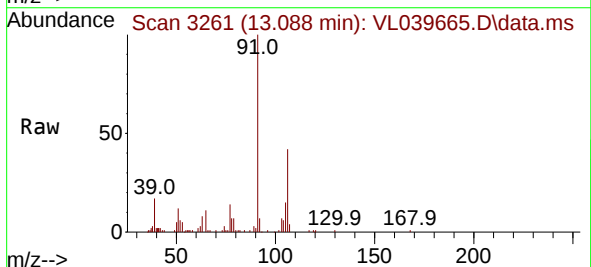
Tgt Ion: 91 Resp: 25290
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2

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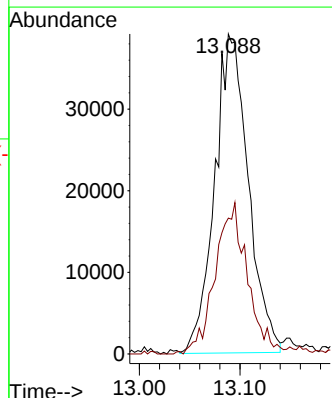
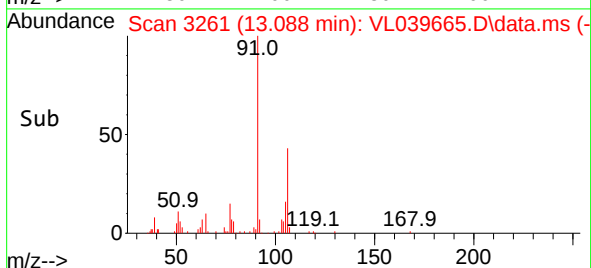
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

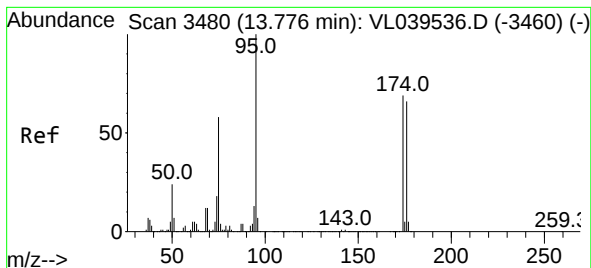


#60
o-Xylene
Concen: 0.401 ppbv
RT: 13.088 min Scan# 3261
Delta R.T. 0.026 min
Lab File: VL039665.D
Acq: 22 Sep 2022 11:40



Tgt Ion: 91 Resp: 90837
Ion Ratio Lower Upper
91 100
106 46.9 22.4 67.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.922 ppbv

RT: 13.805 min Scan# 3480

Delta R.T. 0.030 min

Lab File: VL039665.D

Acq: 22 Sep 2022 11:40

Instrument :

MSVOA_L

ClientSampleId :

C0PG4

Tgt Ion: 95 Resp: 171032

Ion Ratio Lower Upper

95 100

174 72.3 55.9 83.9

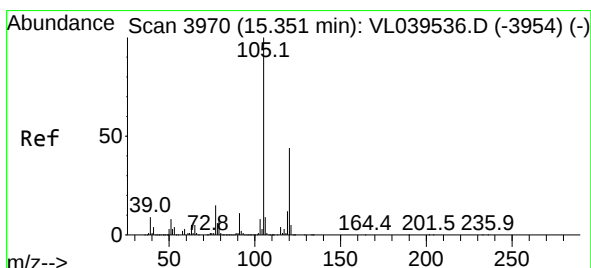
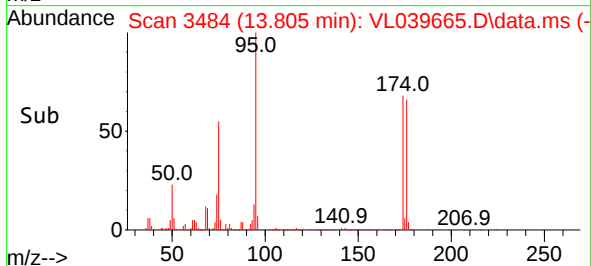
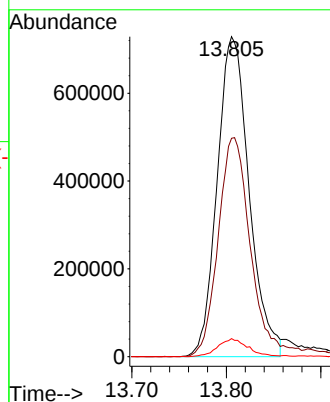
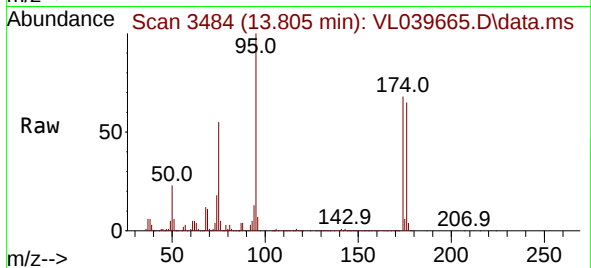
175 5.6 4.2 6.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022



#73

1,3,5-Trimethylbenzene

Concen: 0.208 ppbv

RT: 15.384 min Scan# 3975

Delta R.T. 0.033 min

Lab File: VL039665.D

Acq: 22 Sep 2022 11:40

Tgt Ion:105 Resp: 49147

Ion Ratio Lower Upper

105 100

120 47.5 38.2 57.4

