

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039664.D
 Acq On : 22 Sep 2022 10:58
 Operator : SY/AP
 Sample : N4669-13
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG5

Manual Integrations
 APPROVED

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

Quant Time: Sep 22 11:32:42 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	1004225	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.687	114	2573105	10.000	ppbv	0.03
55) Chlorobenzene-d5	11.500	117	2441363	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.806 95 1845334 10.125 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.768	85	27104	0.233	ppbv	94
3) Chlorodifluoromethane	2.713	51	76776	0.644	ppbv	92
4) Chloromethane	2.851	50	72771	1.012	ppbv	100
9) Propene	2.735	41	31297m	0.575	ppbv	
13) Ethanol	3.285	45	3280588	791.055	ppbv	71
15) Acetone	3.501	43	3656247	32.720	ppbv	97
20) Methylene Chloride	3.970	84	369757	7.157	ppbv	94
26) Hexane	5.250	57	376983	3.646	ppbv #	55
29) Chloroform	5.314	83	101120	0.677	ppbv	89
34) 2-Butanone	4.829	43	460759	3.646	ppbv	99
35) Carbon Tetrachloride	6.526	117	15168m	0.111	ppbv	
36) Benzene	6.407	78	70706	0.359	ppbv	95
38) Trichloroethene	7.324	130	812245	7.640	ppbv	97
41) Tetrahydrofuran	5.600	42	105754	1.364	ppbv	99
44) 2,2,4-Trimethylpentane	7.362	57	201263	0.594	ppbv #	88
52) Tetrachloroethene	10.674	164	15309169	203.983	ppbv	89
53) Toluene	9.256	91	518455	2.370	ppbv	99
58) Ethyl Benzene	12.124	91	69321	0.246	ppbv	93
59) m/p-Xylene	12.381	91	244750m	0.977	ppbv	
60) o-Xylene	13.092	91	83540	0.349	ppbv	94
73) 1,3,5-Trimethylbenzene	15.388	105	65312	0.261	ppbv	92
74) 1,2,4-Trimethylbenzene	16.140	105	174542	0.623	ppbv #	70

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

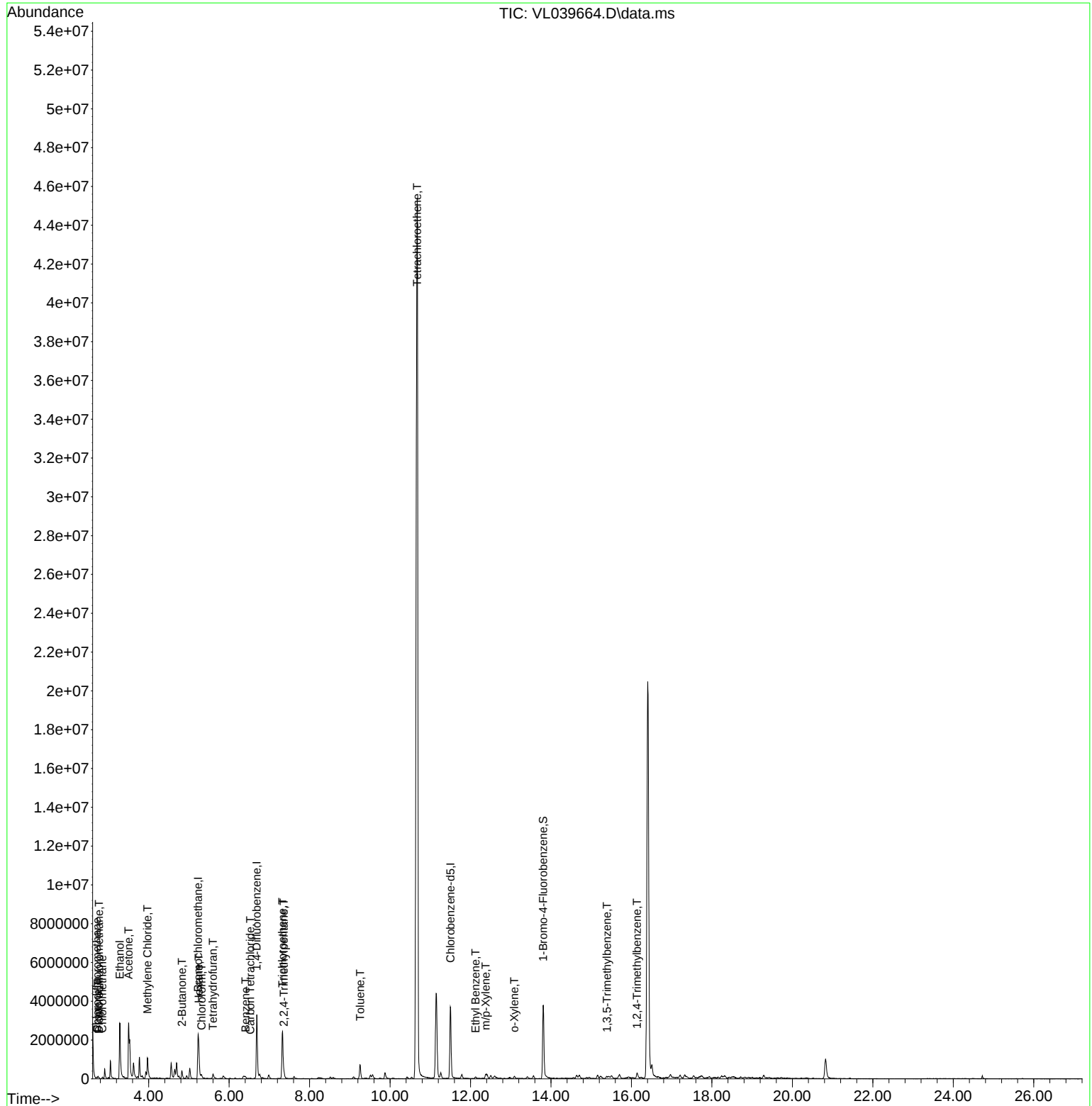
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
Data File : VL039664.D
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Operator : SY/AP
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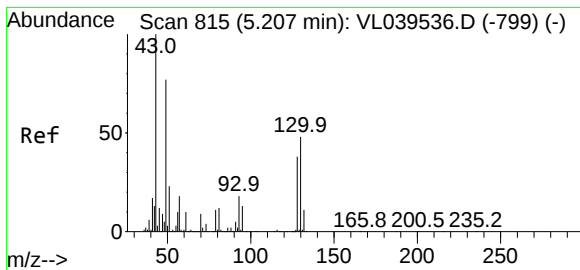
Instrument :
MSVOA_L
ClientSampleId :
C0PG5

Quant Time: Sep 22 11:32:42 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
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Manual Integrations
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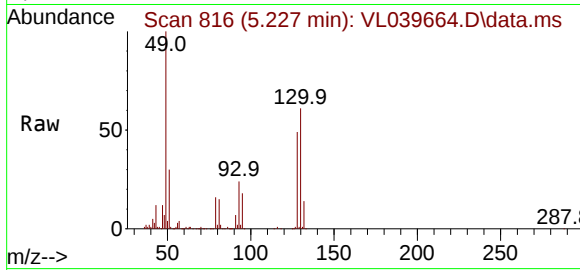
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.227 min Scan# 815
Delta R.T. 0.020 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

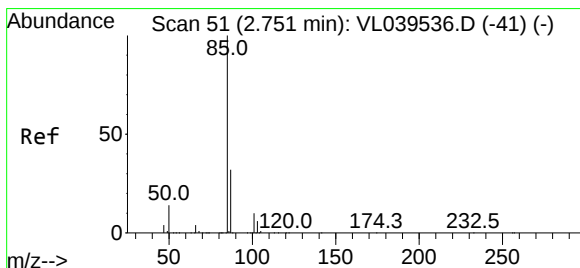
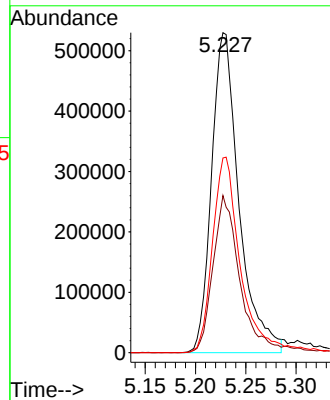
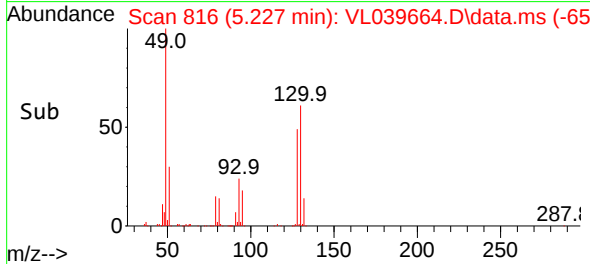
Instrument :
MSVOA_L
ClientSampleId :
C0PG5



Tgt Ion: 49 Resp: 100422
Ion Ratio Lower Upper
49 100
128 49.9 26.7 80.0
130 63.5 34.3 102.8

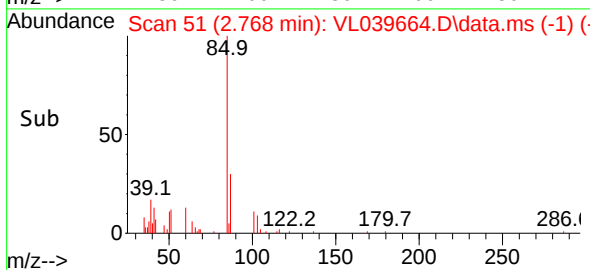
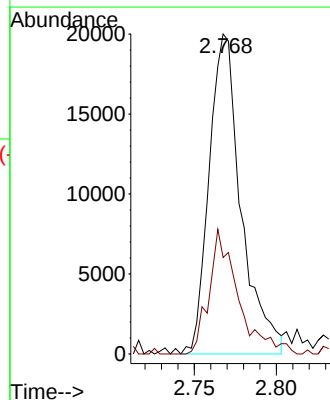
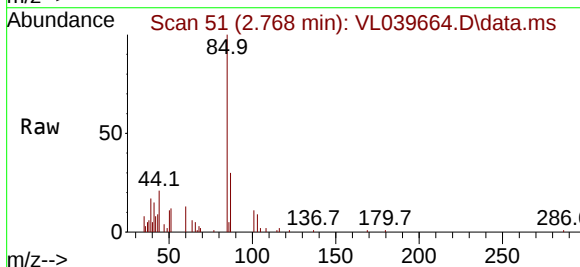
Manual Integrations
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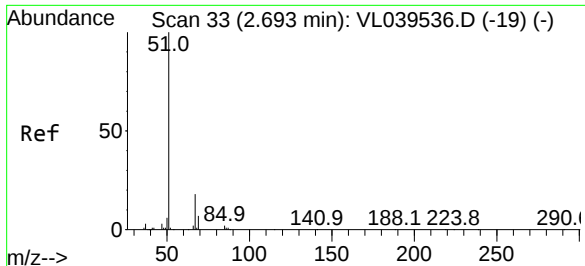
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#2
Dichlorodifluoromethane
Concen: 0.233 ppbv
RT: 2.768 min Scan# 51
Delta R.T. 0.017 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

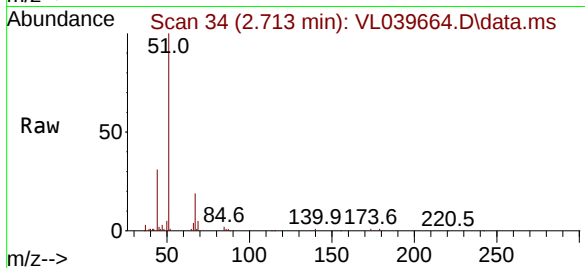
Tgt Ion: 85 Resp: 27104
Ion Ratio Lower Upper
85 100
87 30.1 26.7 40.1





#3
Chlorodifluoromethane
Concen: 0.644 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.020 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

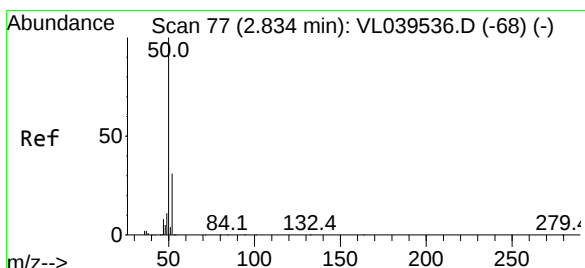
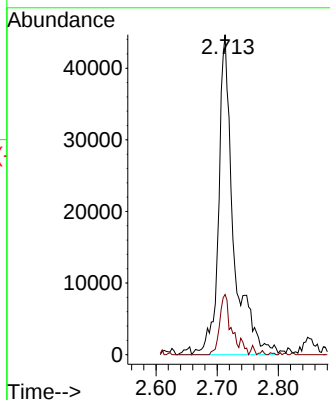
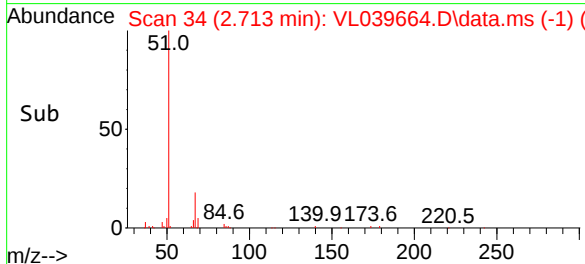
Instrument :
MSVOA_L
ClientSampleId :
C0PG5



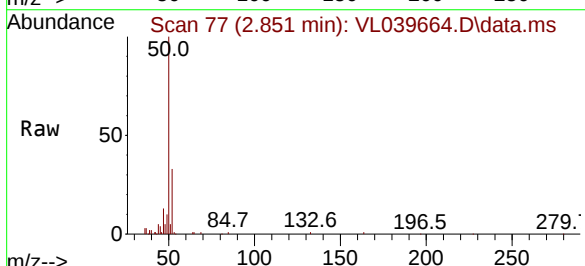
Tgt Ion: 51 Resp: 76770
Ion Ratio Lower Upper
51 100
67 15.9 15.7 23.5

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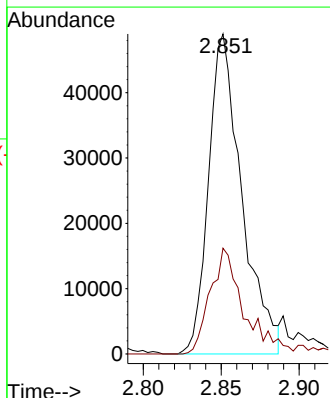
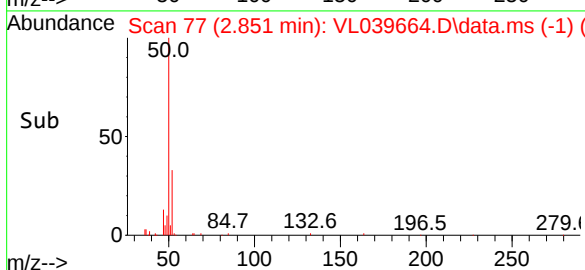
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

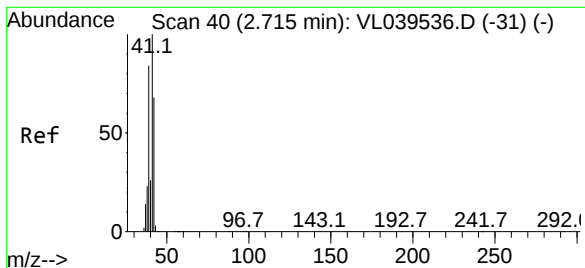


#4
Chloromethane
Concen: 1.012 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.017 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58



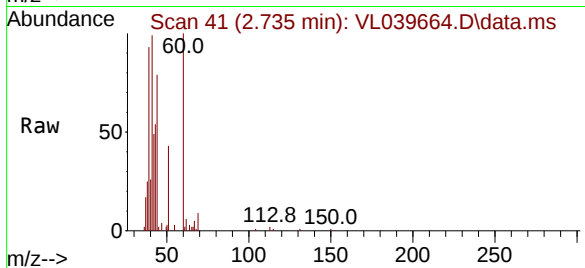
Tgt Ion: 50 Resp: 72771
Ion Ratio Lower Upper
50 100
52 33.0 26.5 39.7





#9
 Propene
 Concen: 0.575 ppbv m
 RT: 2.735 min Scan# 41
 Delta R.T. 0.020 min
 Lab File: VL039664.D
 Acq: 22 Sep 2022 10:58

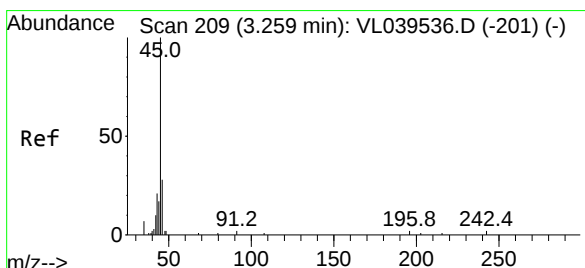
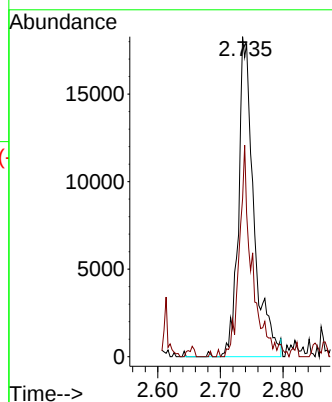
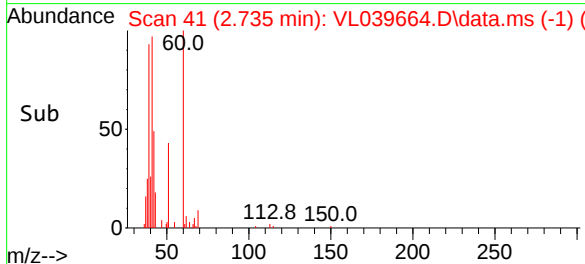
Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG5



Tgt Ion: 41 Resp: 3129
 Ion Ratio Lower Upper
 41 100
 42 56.0 55.2 82.8

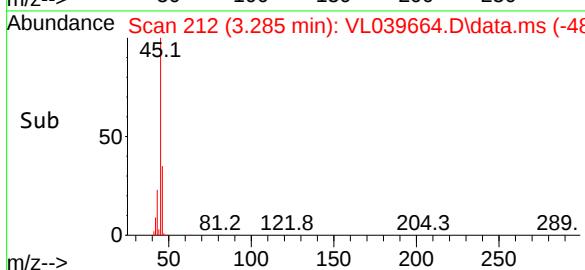
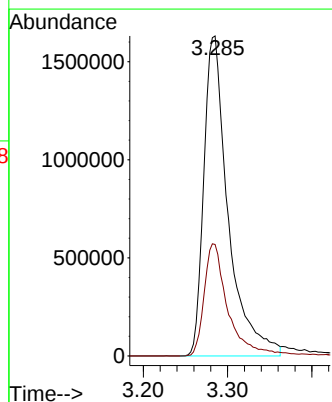
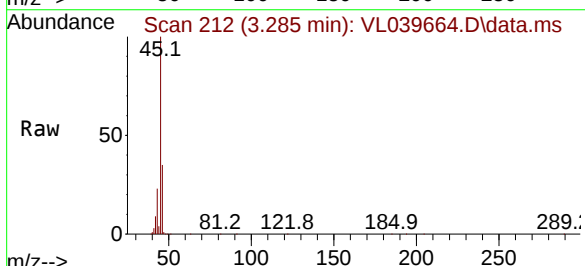
Manual Integrations
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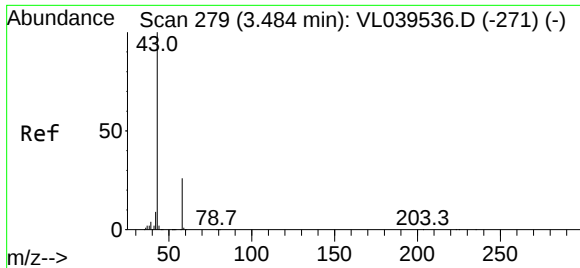
Reviewed By :Krupa Patel 09/28/2022
 Supervised By :Mahesh Dadoda 09/28/2022



#13
 Ethanol
 Concen: 791.055 ppbv
 RT: 3.285 min Scan# 212
 Delta R.T. 0.026 min
 Lab File: VL039664.D
 Acq: 22 Sep 2022 10:58

Tgt Ion: 45 Resp: 3280588
 Ion Ratio Lower Upper
 45 100
 46 35.4 22.8 91.2





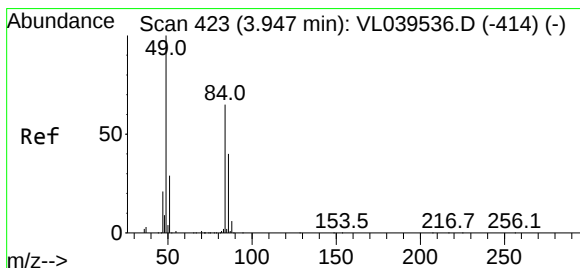
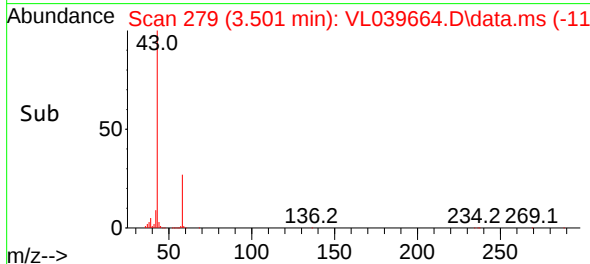
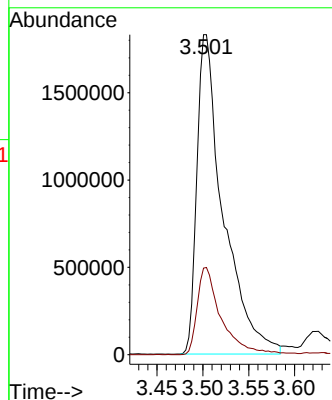
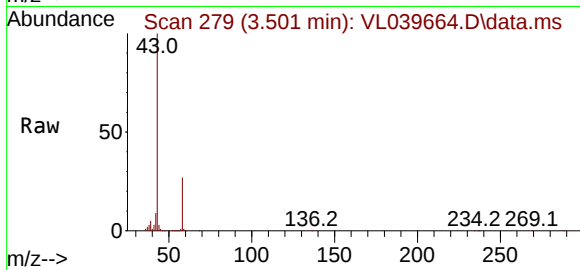
#15
Acetone
Concen: 32.720 ppbv
RT: 3.501 min Scan# 21
Delta R.T. 0.017 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

Instrument :
MSVOA_L
ClientSampleId :
C0PG5

Tgt Ion: 43 Resp: 365624
Ion Ratio Lower Upper
43 100
58 25.0 21.0 31.6

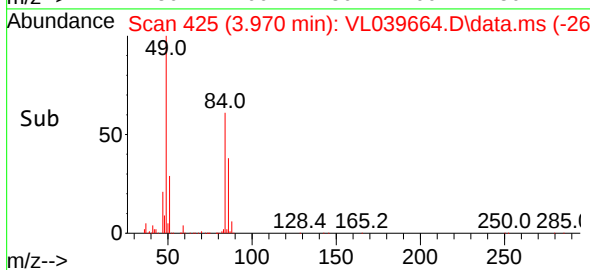
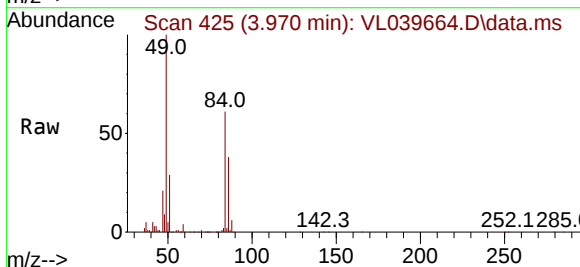
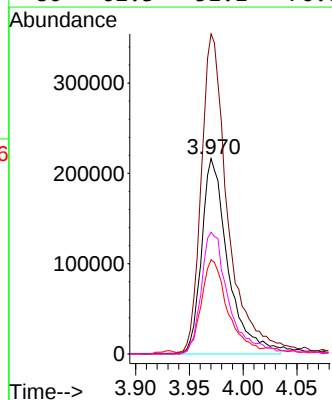
Manual Integrations
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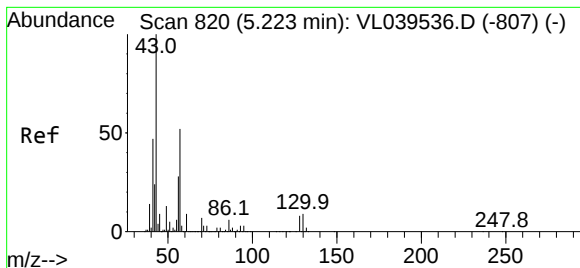
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#20
Methylene Chloride
Concen: 7.157 ppbv
RT: 3.970 min Scan# 425
Delta R.T. 0.023 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

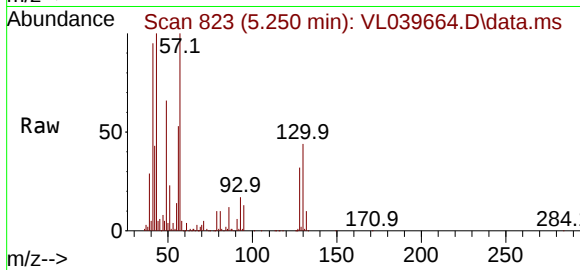
Tgt Ion: 84 Resp: 369757
Ion Ratio Lower Upper
84 100
49 163.0 123.1 184.7
51 46.8 34.4 51.6
86 62.3 51.1 76.7





#26
Hexane
Concen: 3.646 ppbv
RT: 5.250 min Scan# 81
Delta R.T. 0.026 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

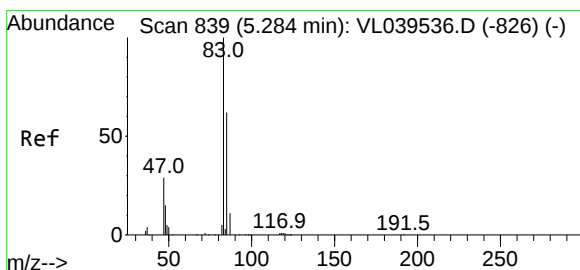
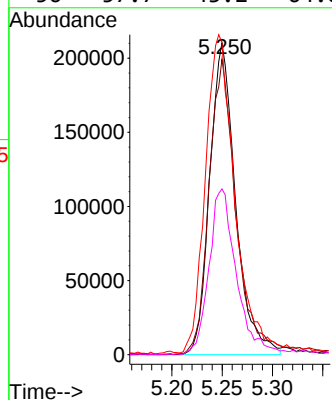
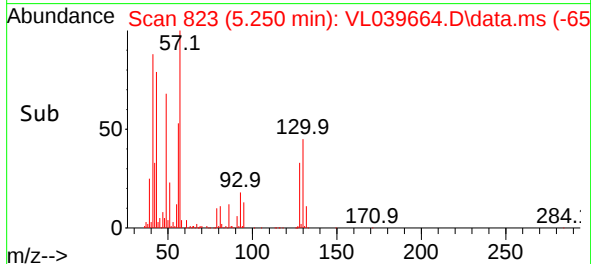
Instrument :
MSVOA_L
ClientSampleId :
C0PG5



Tgt Ion: 57 Resp: 37698
Ion Ratio Lower Upper
57 100
41 100.9 76.9 115.3
43 119.7 191.0 286.6
56 57.7 43.2 64.8

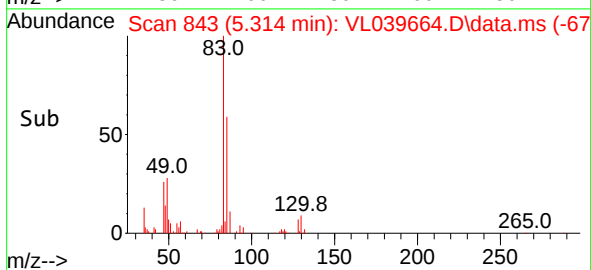
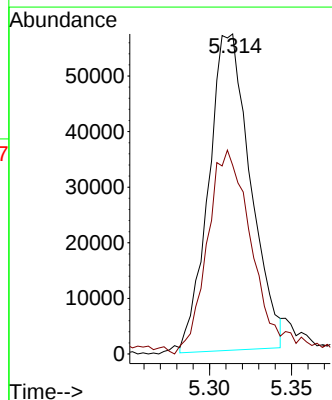
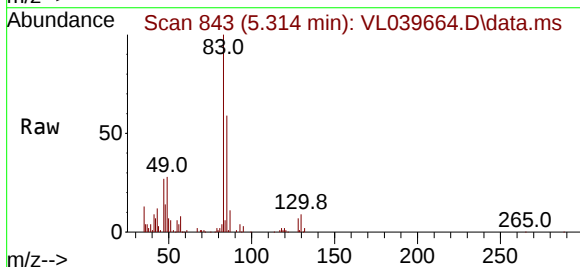
Manual Integrations
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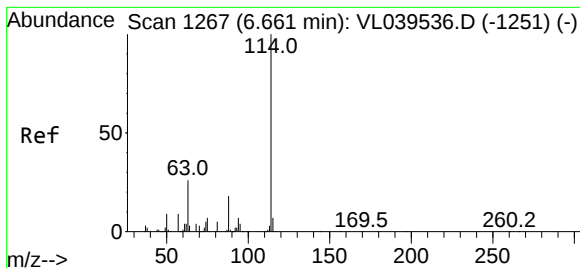
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#29
Chloroform
Concen: 0.677 ppbv
RT: 5.314 min Scan# 843
Delta R.T. 0.030 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

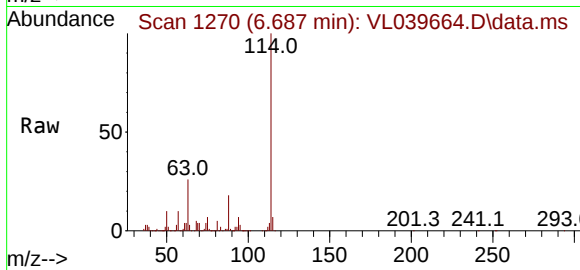
Tgt Ion: 83 Resp: 101120
Ion Ratio Lower Upper
83 100
85 57.6 52.8 79.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.687 min Scan# 114
Delta R.T. 0.026 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

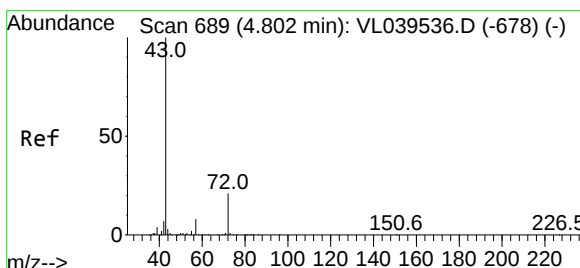
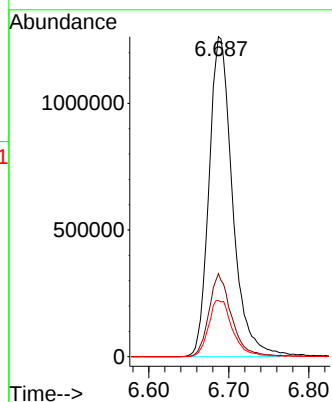
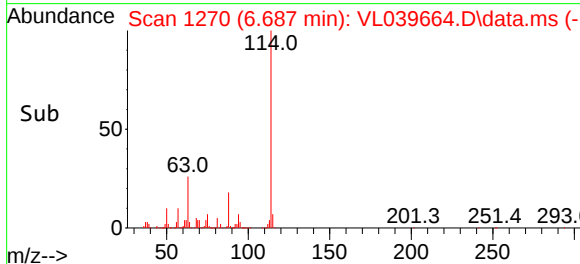
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C0PG5



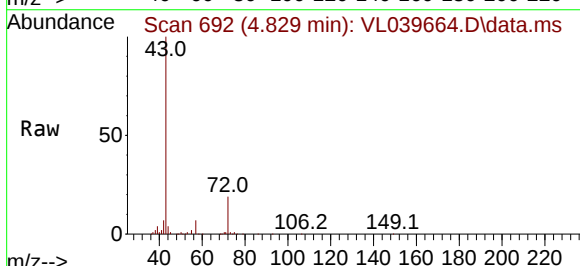
Tgt Ion:114 Resp: 257310
Ion Ratio Lower Upper
114 100
63 25.1 20.2 30.4
88 18.3 14.5 21.7

Manual Integrations
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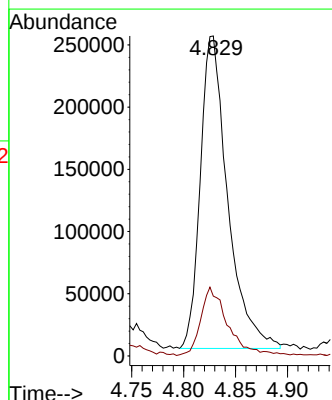
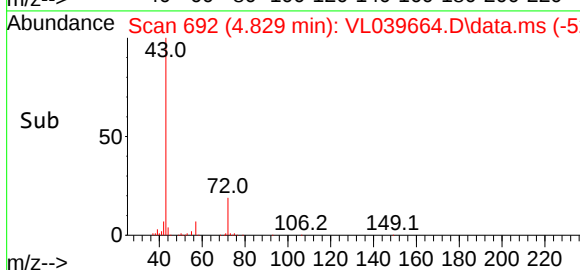
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Supervised By :Mahesh Dadoda 09/28/2022

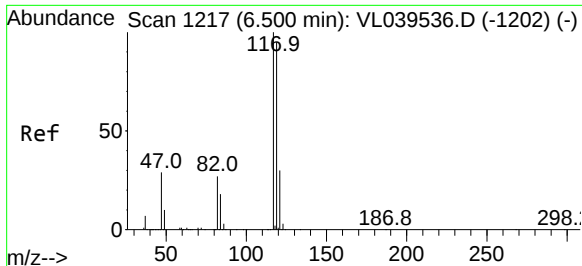


#34
2-Butanone
Concen: 3.646 ppbv
RT: 4.829 min Scan# 692
Delta R.T. 0.026 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58



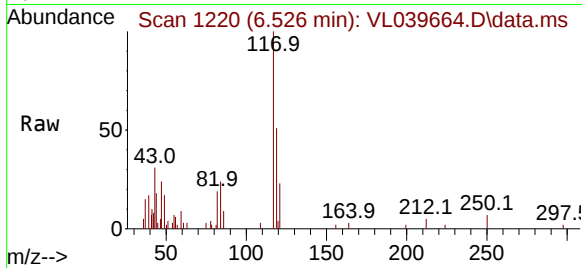
Tgt Ion: 43 Resp: 460759
Ion Ratio Lower Upper
43 100
72 22.9 17.9 26.9





#35
Carbon Tetrachloride
Concen: 0.111 ppbv m
RT: 6.526 min Scan# 1183
Delta R.T. 0.026 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

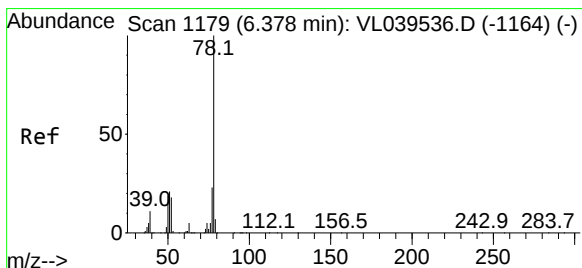
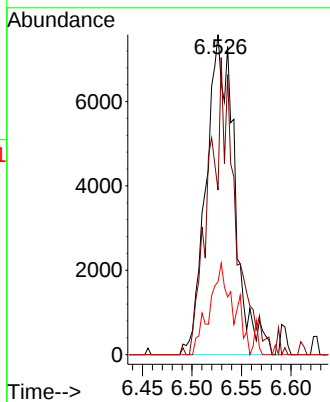
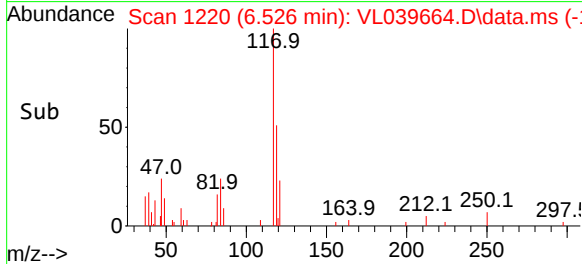
Instrument :
MSVOA_L
ClientSampleId :
C0PG5



Tgt Ion:117 Resp: 1516
Ion Ratio Lower Upper
117 100
119 51.4 75.4 113.2
121 22.8 24.2 36.2

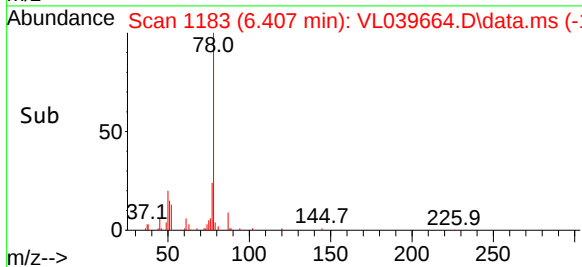
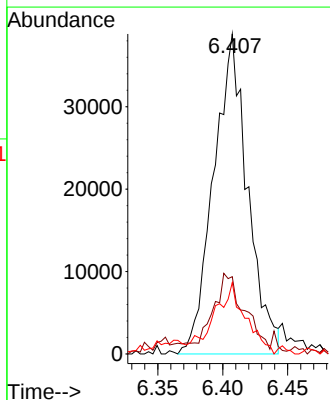
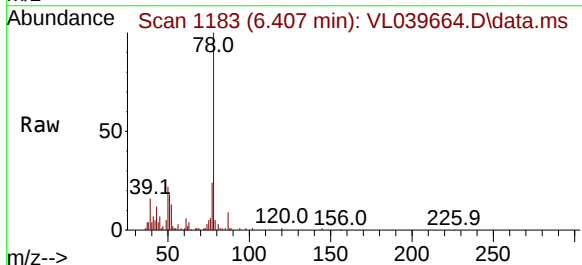
Manual Integrations
APPROVED

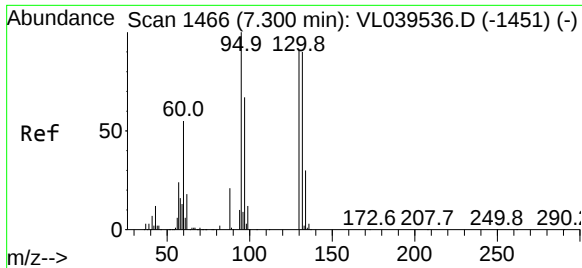
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#36
Benzene
Concen: 0.359 ppbv
RT: 6.407 min Scan# 1183
Delta R.T. 0.030 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

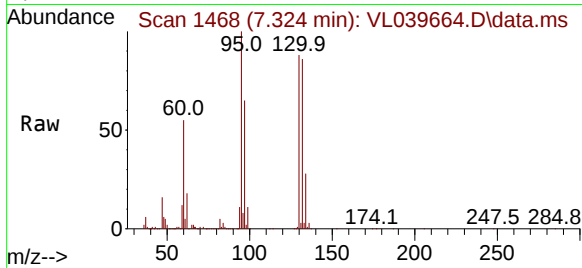
Tgt Ion: 78 Resp: 70706
Ion Ratio Lower Upper
78 100
77 22.3 20.3 30.5
50 20.7 15.5 23.3





#38
Trichloroethene
Concen: 7.640 ppbv
RT: 7.324 min Scan# 1466
Delta R.T. 0.023 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

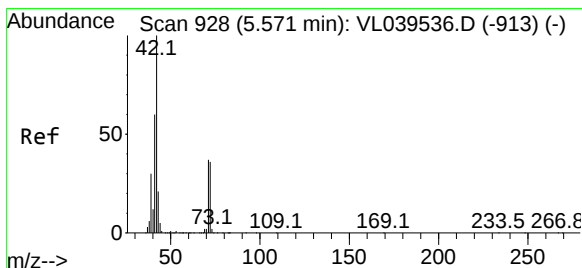
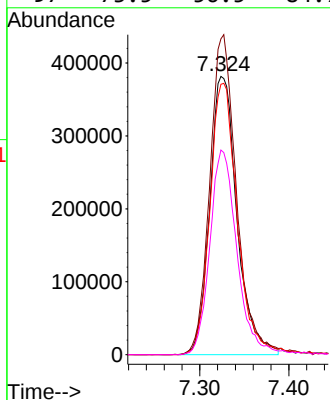
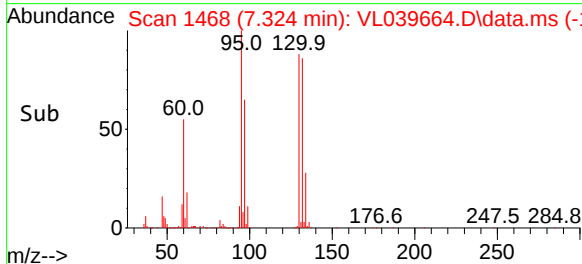
Instrument :
MSVOA_L
ClientSampleId :
C0PG5



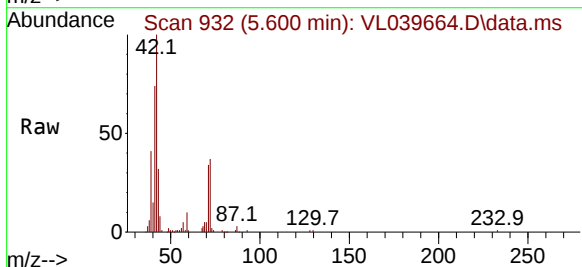
Tgt Ion:130 Resp: 81224
Ion Ratio Lower Upper
130 100
95 113.4 87.3 130.9
132 97.1 76.7 115.1
97 73.5 56.5 84.7

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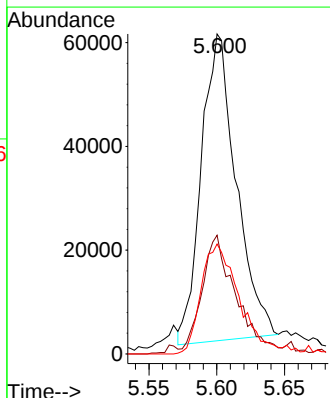
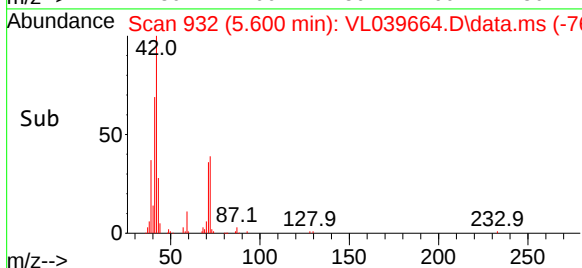
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

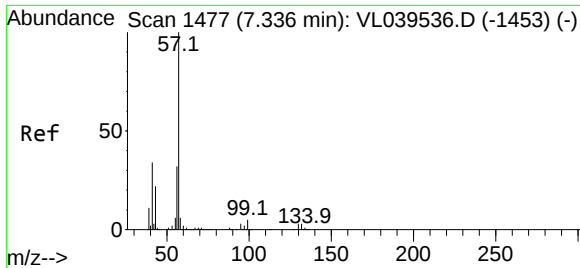


#41
Tetrahydrofuran
Concen: 1.364 ppbv
RT: 5.600 min Scan# 932
Delta R.T. 0.030 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58



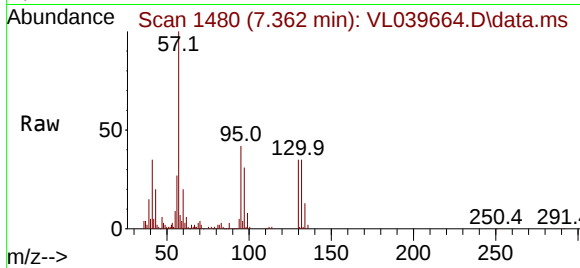
Tgt Ion: 42 Resp: 105754
Ion Ratio Lower Upper
42 100
72 41.0 31.8 47.8
71 40.4 31.8 47.8





#44
2,2,4-Trimethylpentane
Concen: 0.594 ppbv
RT: 7.362 min Scan# 1477
Delta R.T. 0.026 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

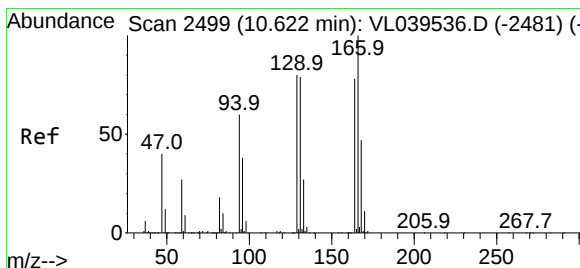
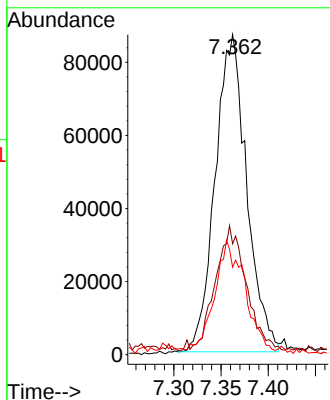
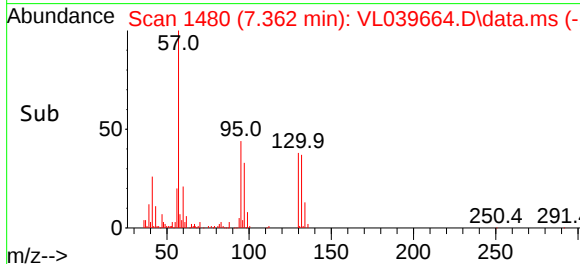
Instrument :
MSVOA_L
ClientSampleId :
C0PG5



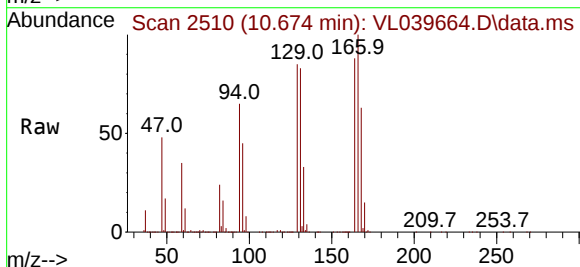
Tgt Ion: 57 Resp: 20126
Ion Ratio Lower Upper
57 100
41 40.3 27.4 41.2
56 38.0 24.5 36.7

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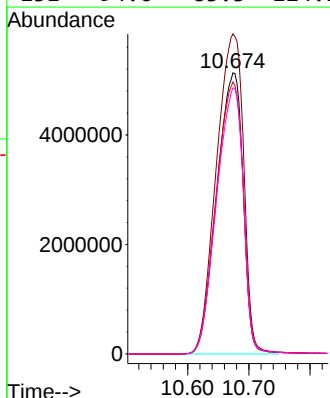
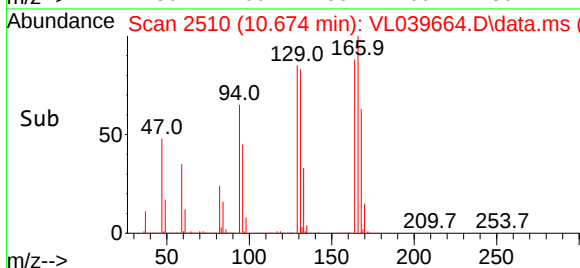
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

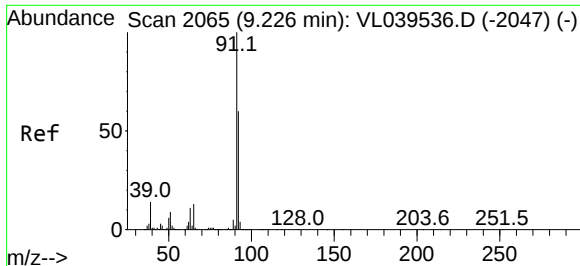


#52
Tetrachloroethene
Concen: 203.983 ppbv
RT: 10.674 min Scan# 2510
Delta R.T. 0.052 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58



Tgt Ion:164 Resp:15309169
Ion Ratio Lower Upper
164 100
166 113.8 102.2 153.2
129 96.7 85.8 128.8
131 94.6 83.3 124.9





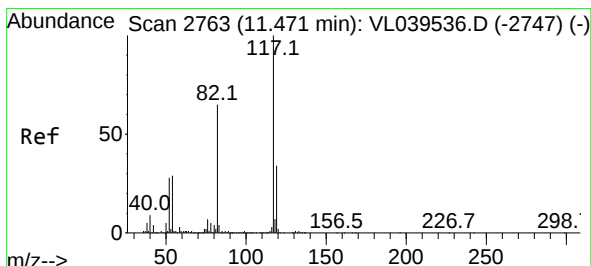
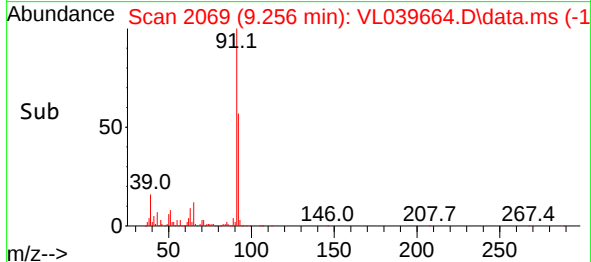
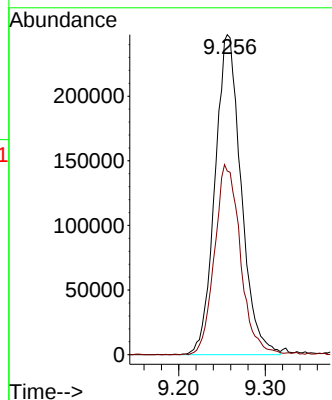
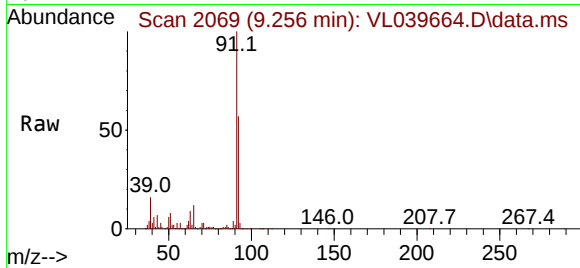
#53
Toluene
Concen: 2.370 ppbv
RT: 9.256 min Scan# 2065
Delta R.T. 0.030 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

Instrument :
MSVOA_L
ClientSampleId :
C0PG5

Tgt Ion: 91 Resp: 51845
Ion Ratio Lower Upper
91 100
92 59.2 48.2 72.2

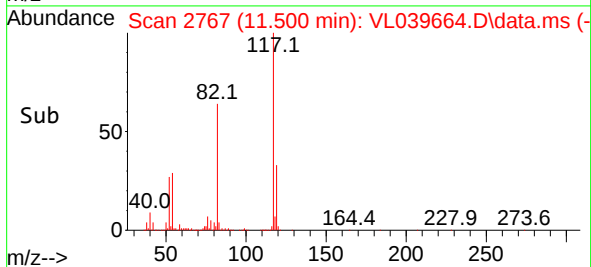
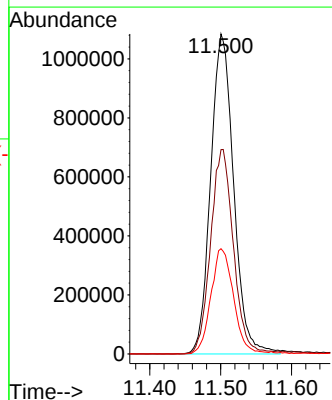
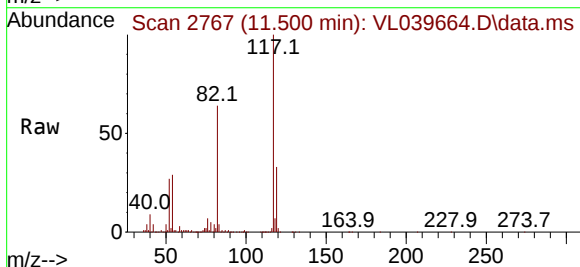
Manual Integrations
APPROVED

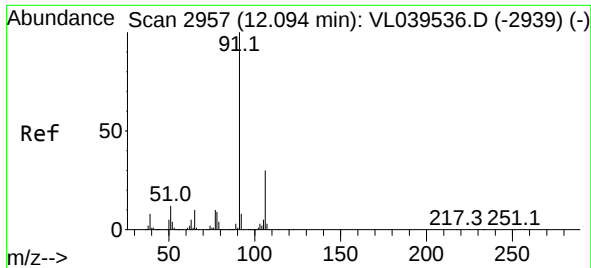
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.500 min Scan# 2767
Delta R.T. 0.030 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

Tgt Ion:117 Resp: 2441363
Ion Ratio Lower Upper
117 100
82 64.8 50.8 76.2
119 32.8 24.1 36.1





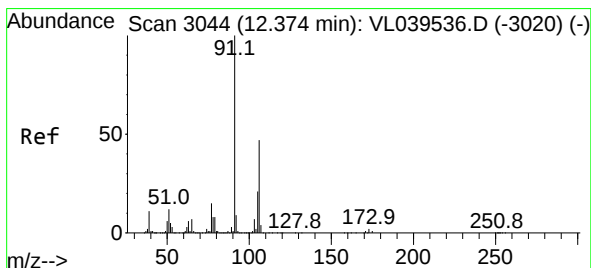
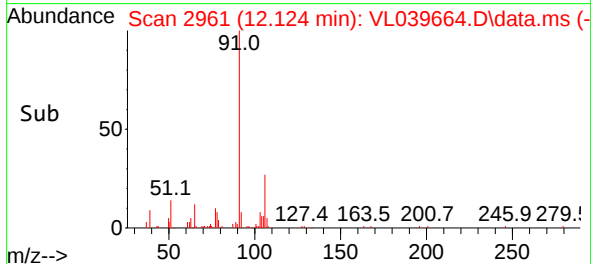
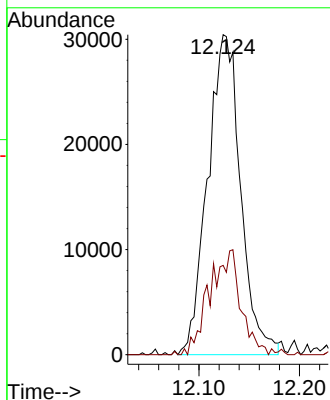
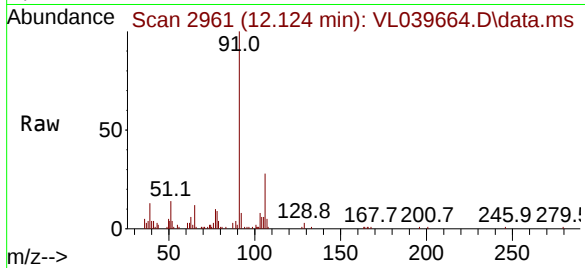
#58
Ethyl Benzene
Concen: 0.246 ppbv
RT: 12.124 min Scan# 2957
Delta R.T. 0.030 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

Instrument :
MSVOA_L
ClientSampleId :
C0PG5

Tgt Ion: 91 Resp: 6932
Ion Ratio Lower Upper
91 100
106 27.9 25.4 38.0

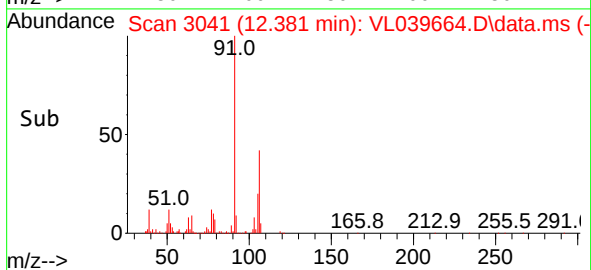
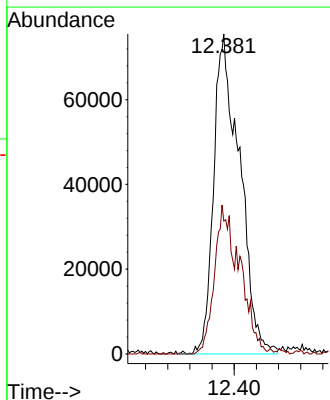
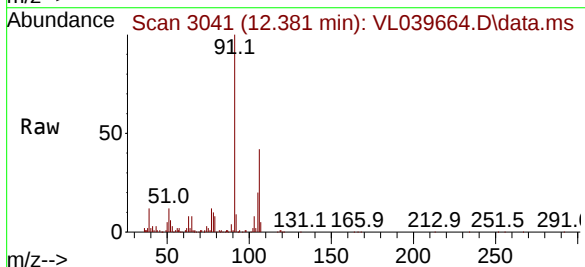
Manual Integrations
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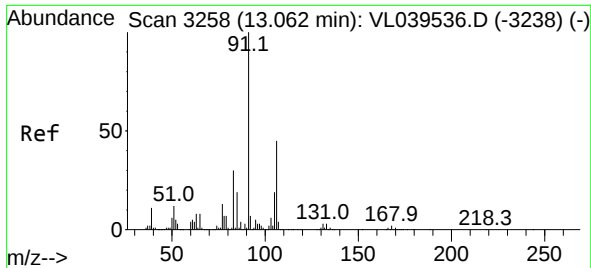
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#59
m/p-Xylene
Concen: 0.977 ppbv m
RT: 12.381 min Scan# 3041
Delta R.T. 0.007 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

Tgt Ion: 91 Resp: 244750
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#





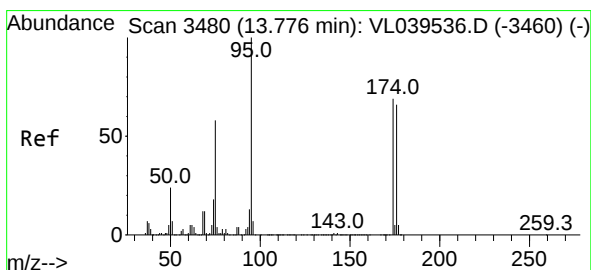
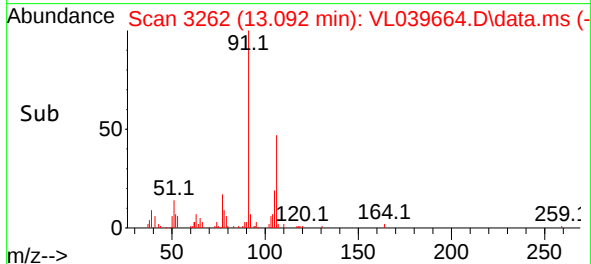
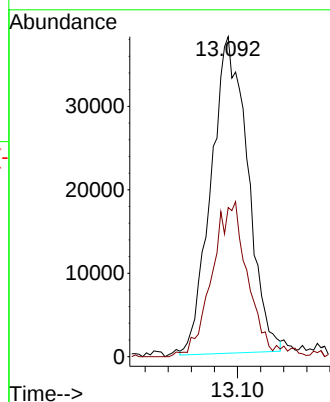
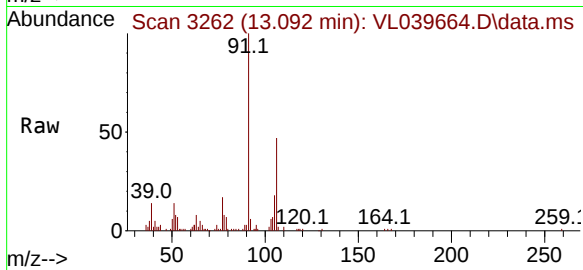
#60
o-Xylene
Concen: 0.349 ppbv
RT: 13.092 min Scan# 31
Delta R.T. 0.030 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

Instrument :
MSVOA_L
ClientSampleId :
C0PG5

Tgt Ion: 91 Resp: 83540
Ion Ratio Lower Upper
91 100
106 48.5 22.4 67.3

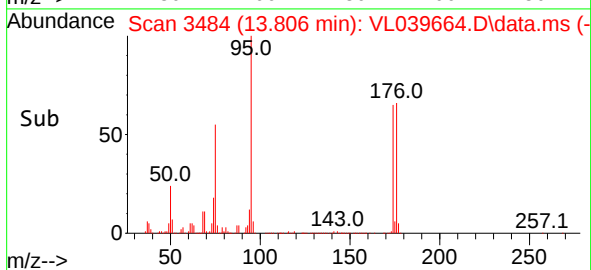
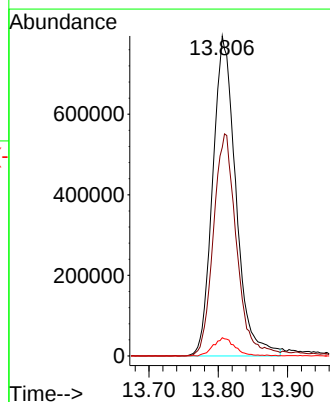
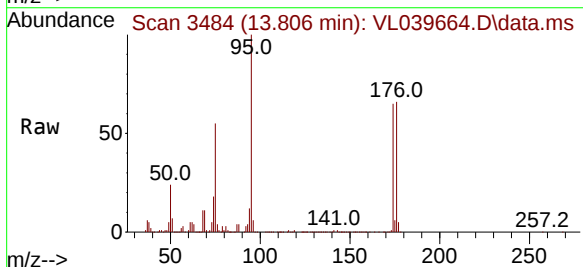
Manual Integrations
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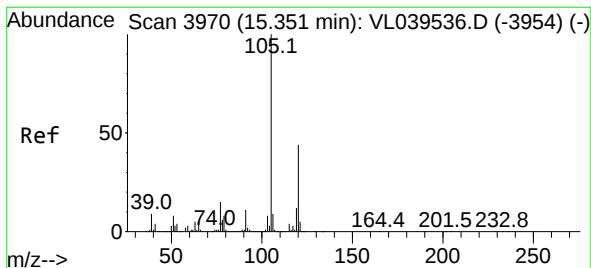
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.125 ppbv
RT: 13.806 min Scan# 3484
Delta R.T. 0.030 min
Lab File: VL039664.D
Acq: 22 Sep 2022 10:58

Tgt Ion: 95 Resp: 1845334
Ion Ratio Lower Upper
95 100
174 71.7 55.9 83.9
175 5.4 4.2 6.4





#73

1,3,5-Trimethylbenzene

Concen: 0.261 ppbv

RT: 15.388 min Scan# 3970

Delta R.T. 0.036 min

Lab File: VL039664.D

Acq: 22 Sep 2022 10:58

Instrument :

MSVOA_L

ClientSampleId :

C0PG5

Tgt Ion:105 Resp: 65312

Ion Ratio Lower Upper

105 100

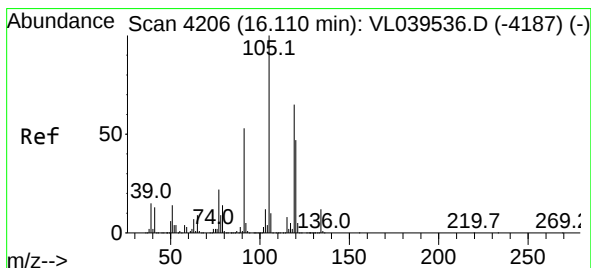
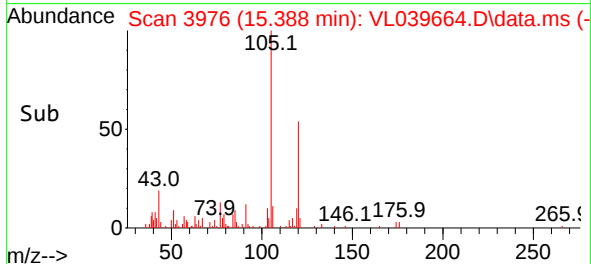
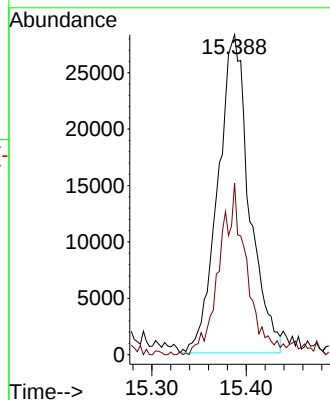
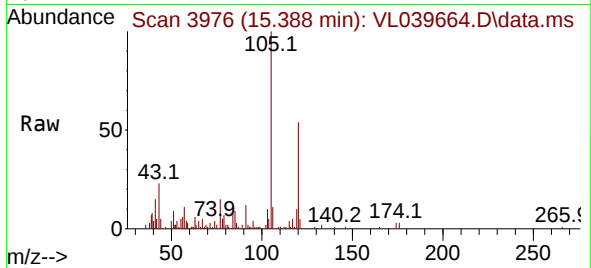
120 53.0 38.2 57.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.623 ppbv

RT: 16.140 min Scan# 4210

Delta R.T. 0.030 min

Lab File: VL039664.D

Acq: 22 Sep 2022 10:58

Tgt Ion:105 Resp: 174542

Ion Ratio Lower Upper

105 100

120 45.7 39.5 59.3

91 9.8 39.2 58.8#

77 10.7 17.2 25.8#

