

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039663.D
 Acq On : 22 Sep 2022 10:18
 Operator : SY/AP
 Sample : N4669-14
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG6

Manual Integrations
 APPROVED

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

Quant Time: Sep 22 11:32:11 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-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	5.227	49	984895	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.684	114	2518262	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.497	117	2335139	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.809 95 1772942 10.171 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.764	85	25542	0.224	ppbv	93
3) Chlorodifluoromethane	2.710	51	34626	0.296	ppbv	97
4) Chloromethane	2.848	50	46712	0.662	ppbv	90
12) 1,1,2-Trichlorotrifluo...	4.102	101	6808	0.064	ppbv	87
13) Ethanol	3.272	45	267812	65.846	ppbv	71
15) Acetone	3.504	43	1647540m	15.033	ppbv	
20) Methylene Chloride	3.967	84	86716m	1.711	ppbv	
23) Vinyl Acetate	4.658	43	130245	2.629	ppbv #	59
26) Hexane	5.253	57	76996m	0.759	ppbv	
29) Chloroform	5.314	83	51838m	0.354	ppbv	
34) 2-Butanone	4.825	43	199711	1.615	ppbv	98
36) Benzene	6.401	78	45980m	0.239	ppbv	
38) Trichloroethene	7.320	130	219008	2.105	ppbv	98
44) 2,2,4-Trimethylpentane	7.356	57	183642	0.553	ppbv #	87
52) Tetrachloroethene	10.648	164	3517709	47.891	ppbv	97
53) Toluene	9.249	91	286201	1.337	ppbv	99
58) Ethyl Benzene	12.124	91	56790m	0.211	ppbv	
59) m/p-Xylene	12.381	91	224577m	0.937	ppbv	
60) o-Xylene	13.089	91	75683	0.331	ppbv	97
74) 1,2,4-Trimethylbenzene	16.143	105	128144m	0.478	ppbv	

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

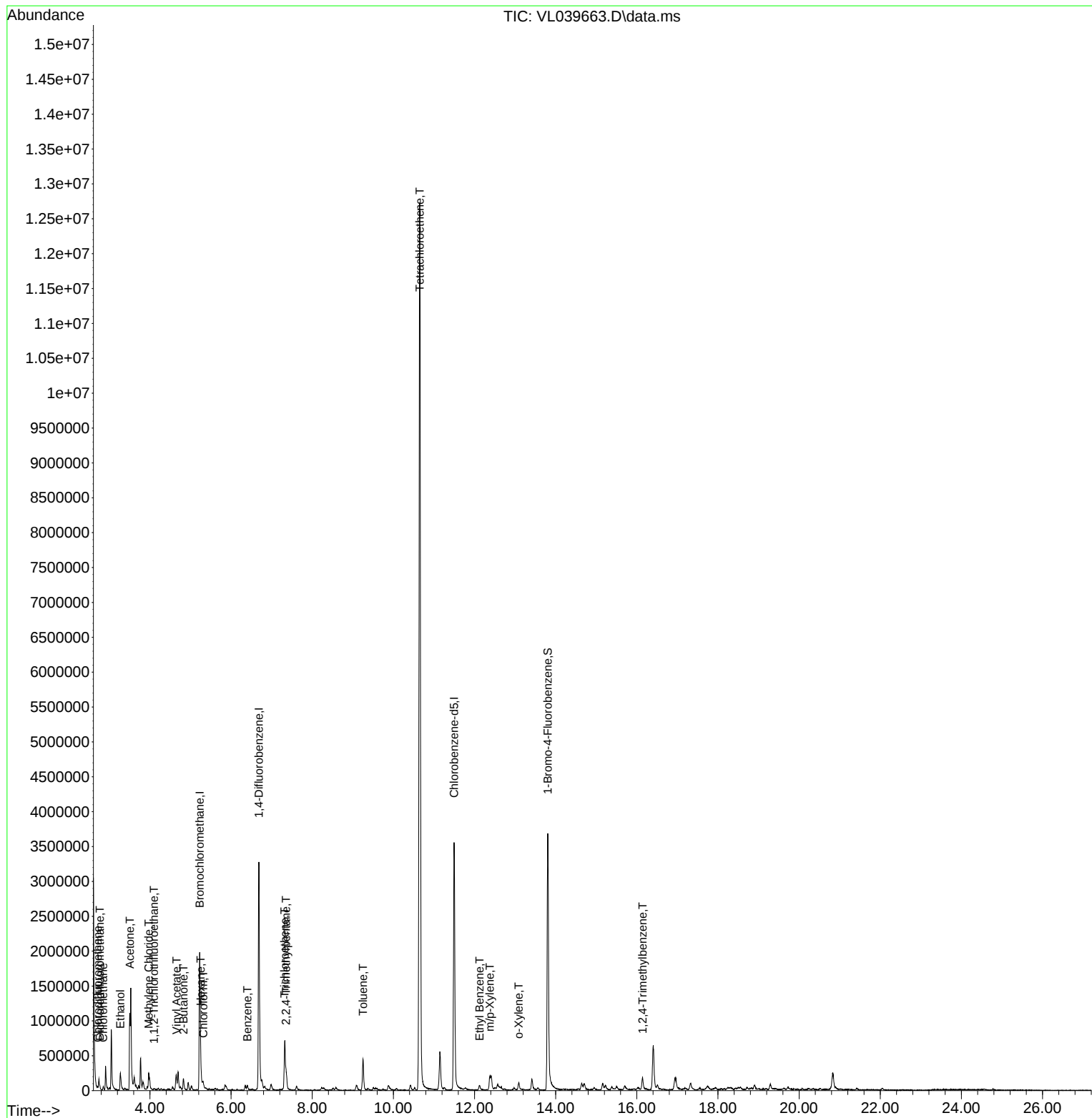
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
Data File : VL039663.D
Acq On : 22 Sep 2022 10:18
Operator : SY/AP
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Misc : 400mL/MSVOA_L
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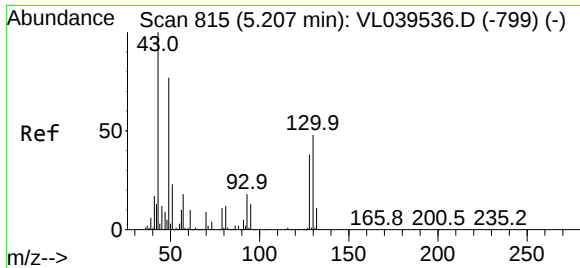
Instrument :
MSVOA_L
ClientSampleId :
C0PG6

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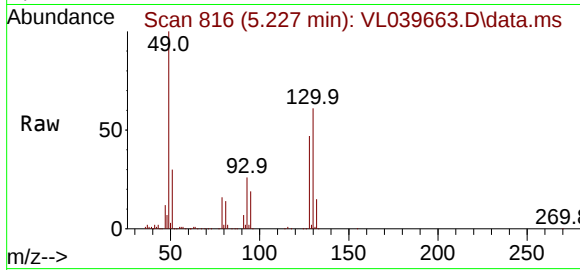
Quant Time: Sep 22 11:32:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.227 min Scan# 815
Delta R.T. 0.020 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18

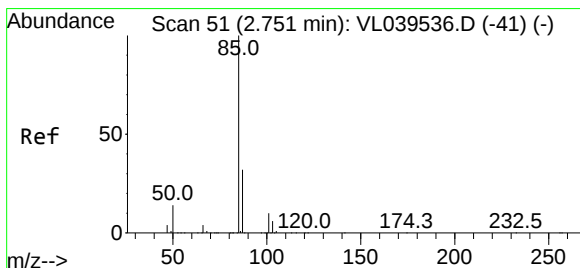
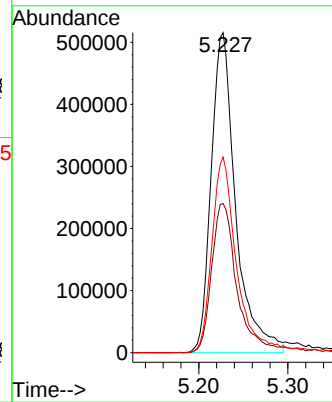
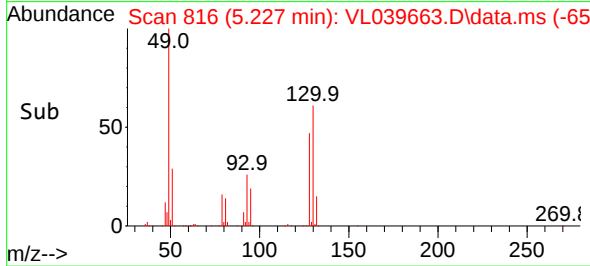
Instrument :
MSVOA_L
ClientSampleId :
C0PG6



Tgt Ion: 49 Resp: 98489
Ion Ratio Lower Upper
49 100
128 50.3 26.7 80.0
130 62.8 34.3 102.8

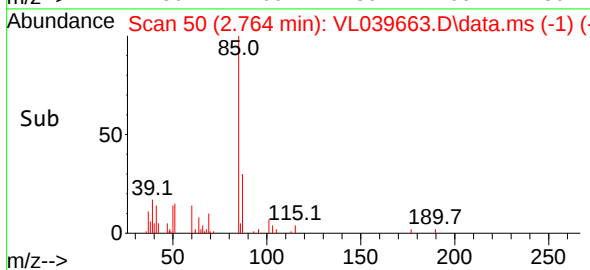
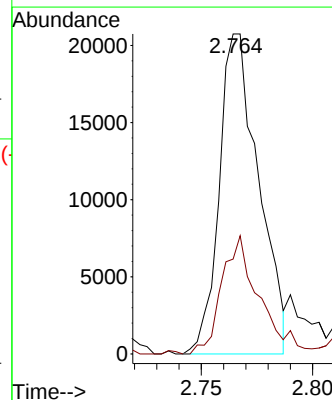
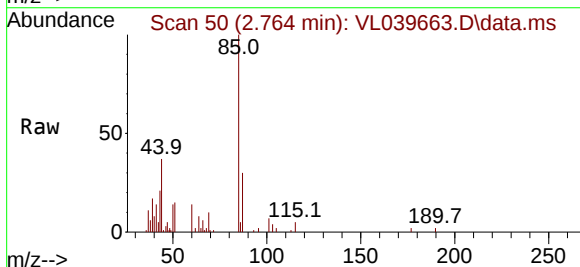
Manual Integrations
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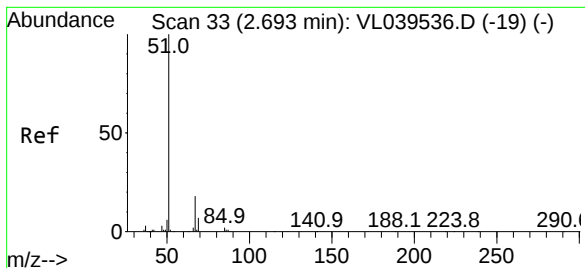
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#2
Dichlorodifluoromethane
Concen: 0.224 ppbv
RT: 2.764 min Scan# 50
Delta R.T. 0.014 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18

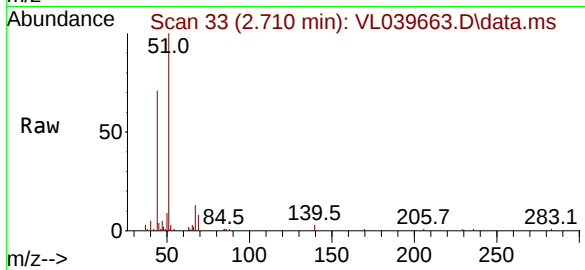
Tgt Ion: 85 Resp: 25542
Ion Ratio Lower Upper
85 100
87 29.7 26.7 40.1





#3
Chlorodifluoromethane
Concen: 0.296 ppbv
RT: 2.710 min Scan# 31
Delta R.T. 0.017 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18

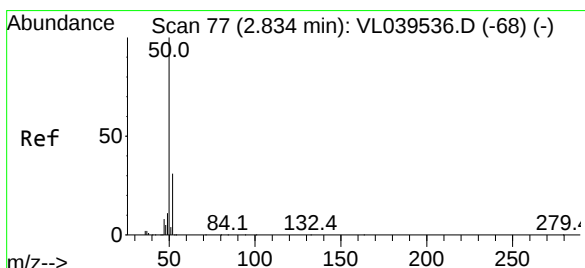
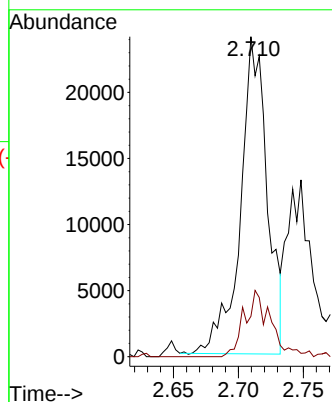
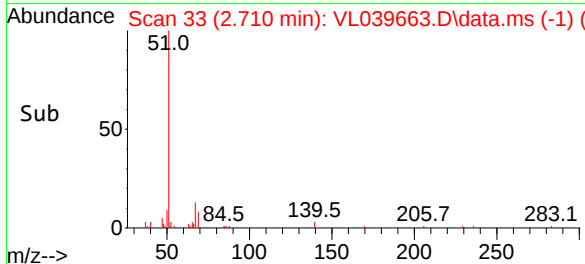
Instrument :
MSVOA_L
ClientSampleId :
C0PG6



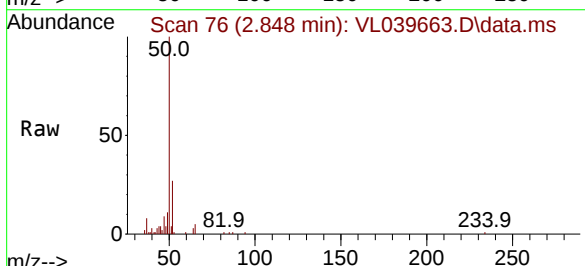
Tgt Ion: 51 Resp: 34620
Ion Ratio Lower Upper
51 100
67 20.8 15.7 23.5

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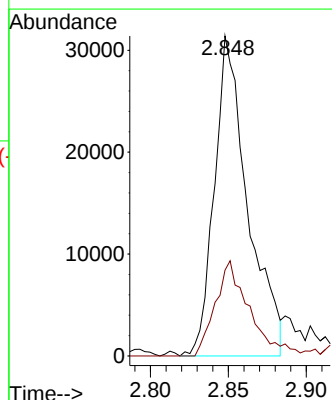
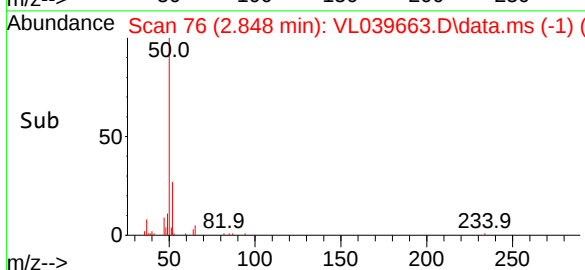
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

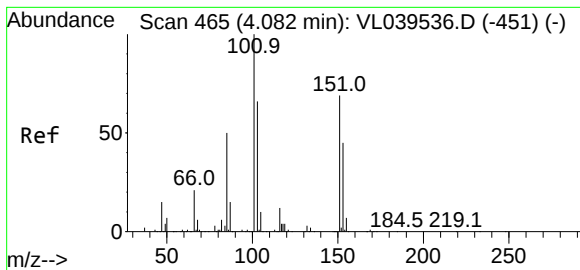


#4
Chloromethane
Concen: 0.662 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.014 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18



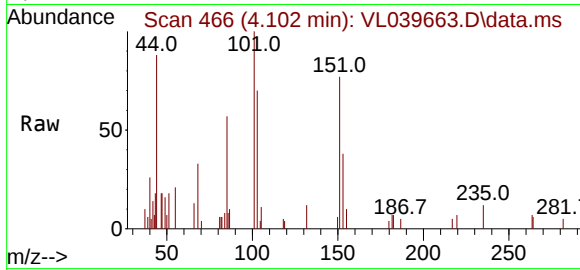
Tgt Ion: 50 Resp: 46712
Ion Ratio Lower Upper
50 100
52 27.5 26.5 39.7





#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.064 ppbv
RT: 4.102 min Scan# 466
Delta R.T. 0.020 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18

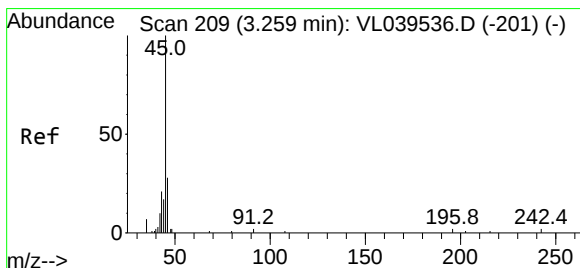
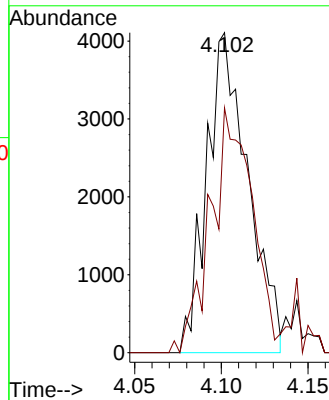
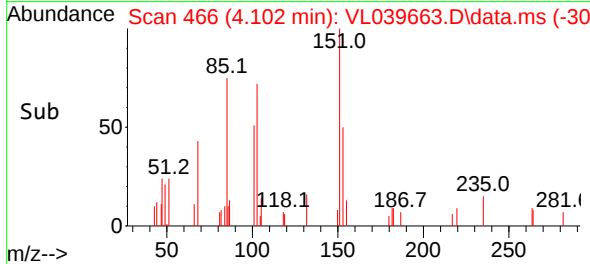
Instrument :
MSVOA_L
ClientSampleId :
COPG6



Tgt Ion:101 Resp: 6808
Ion Ratio Lower Upper
101 100
151 84.2 58.9 88.3

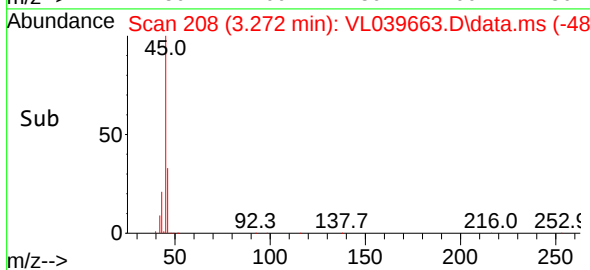
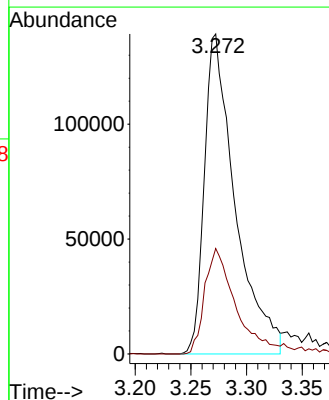
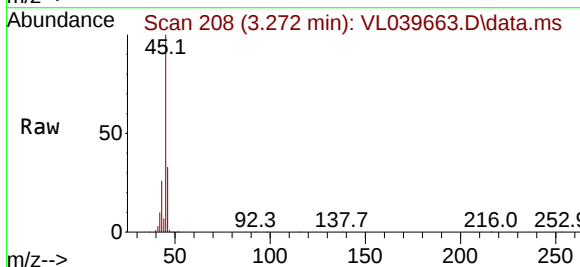
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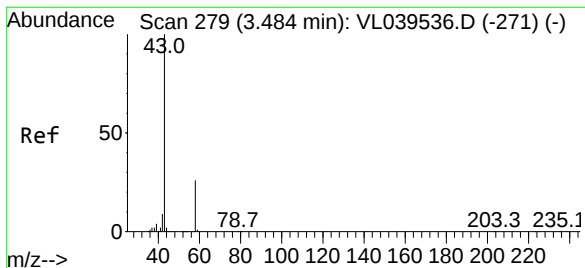
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#13
Ethanol
Concen: 65.846 ppbv
RT: 3.272 min Scan# 208
Delta R.T. 0.014 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18

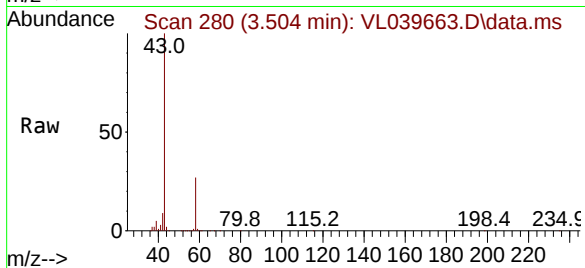
Tgt Ion: 45 Resp: 267812
Ion Ratio Lower Upper
45 100
46 35.8 22.8 91.2





#15
Acetone
Concen: 15.033 ppbv m
RT: 3.504 min Scan# 21
Delta R.T. 0.020 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18

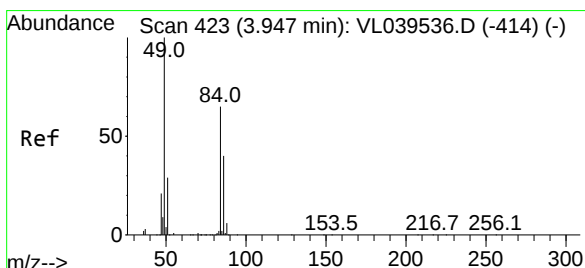
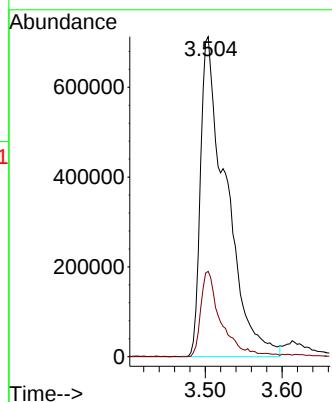
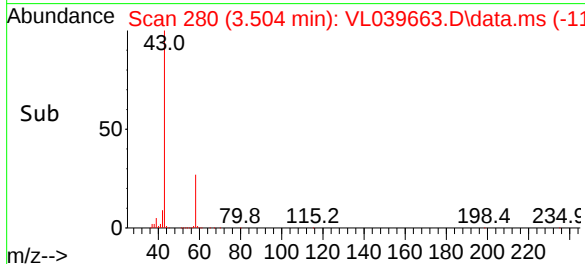
Instrument :
MSVOA_L
ClientSampleId :
C0PG6



Tgt Ion: 43 Resp: 1647540
Ion Ratio Lower Upper
43 100
58 22.0 21.0 31.6

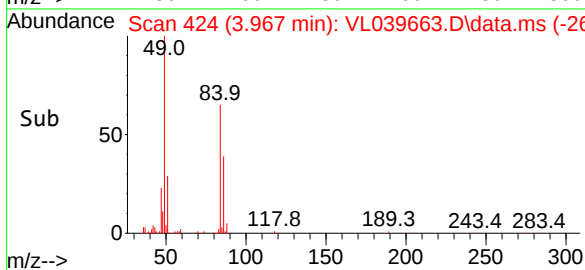
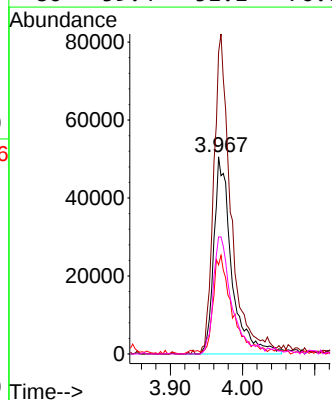
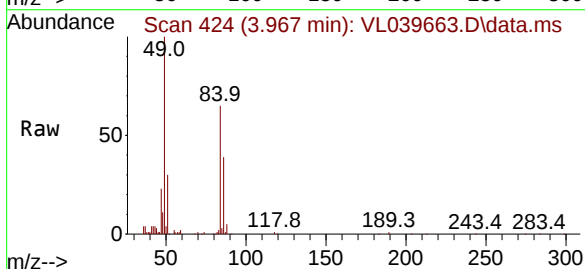
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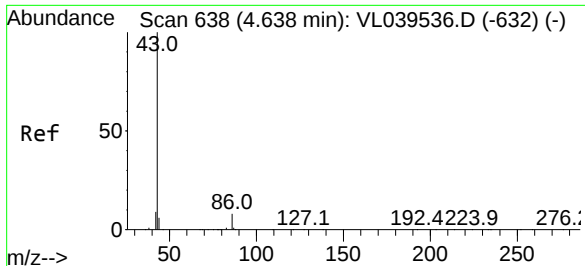
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#20
Methylene Chloride
Concen: 1.711 ppbv m
RT: 3.967 min Scan# 424
Delta R.T. 0.020 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18

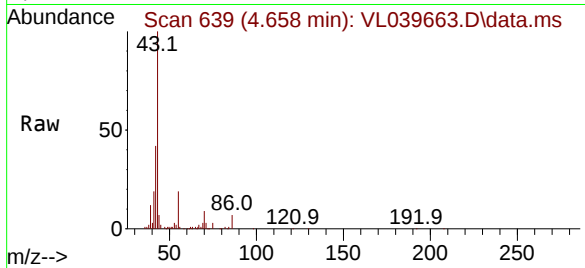
Tgt Ion: 84 Resp: 86716
Ion Ratio Lower Upper
84 100
49 153.0 123.1 184.7
51 45.2 34.4 51.6
86 59.4 51.1 76.7





#23
 Vinyl Acetate
 Concen: 2.629 ppbv
 RT: 4.658 min Scan# 61
 Delta R.T. 0.020 min
 Lab File: VL039663.D
 Acq: 22 Sep 2022 10:18

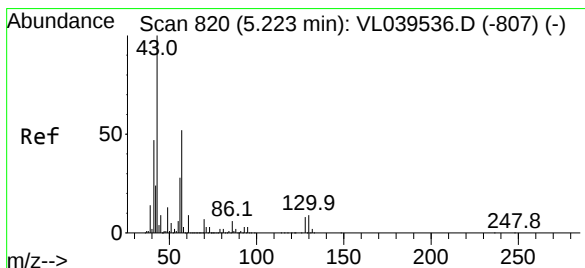
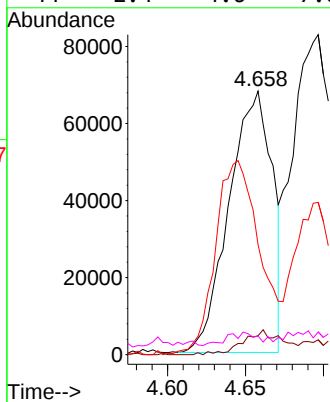
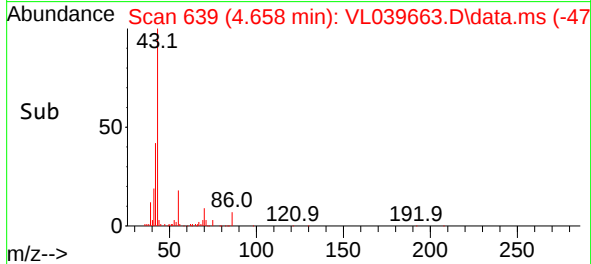
Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG6



Tgt Ion: 43 Resp: 130245
 Ion Ratio Lower Upper
 43 100
 86 7.2 5.0 7.6
 42 40.9 7.7 11.5
 44 2.4 4.6 7.0#

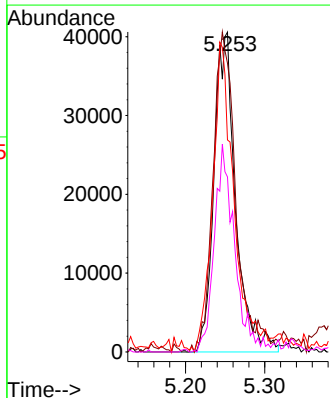
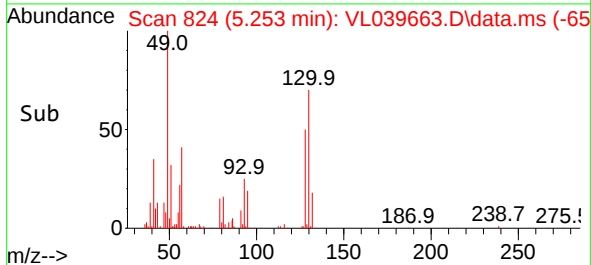
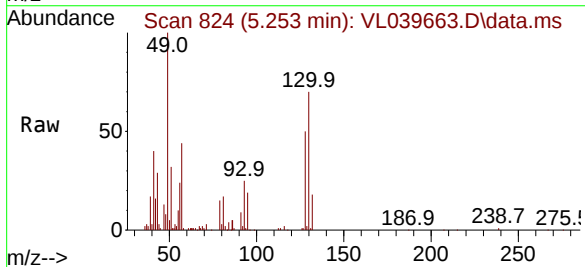
Manual Integrations
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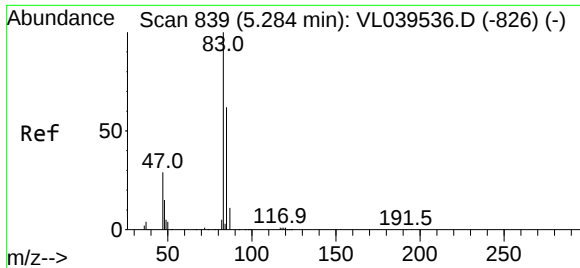
Reviewed By :Krupa Patel 09/28/2022
 Supervised By :Mahesh Dadoda 09/28/2022



#26
 Hexane
 Concen: 0.759 ppbv m
 RT: 5.253 min Scan# 824
 Delta R.T. 0.030 min
 Lab File: VL039663.D
 Acq: 22 Sep 2022 10:18

Tgt Ion: 57 Resp: 76996
 Ion Ratio Lower Upper
 57 100
 41 108.5 76.9 115.3
 43 97.2 191.0 286.6#
 56 62.4 43.2 64.8





#29

Chloroform

Concen: 0.354 ppbv m

RT: 5.314 min Scan# 843

Delta R.T. 0.030 min

Lab File: VL039663.D

Acq: 22 Sep 2022 10:18

Instrument :

MSVOA_L

ClientSampleId :

C0PG6

Tgt Ion: 83 Resp: 51838

Ion Ratio Lower Upper

83 100

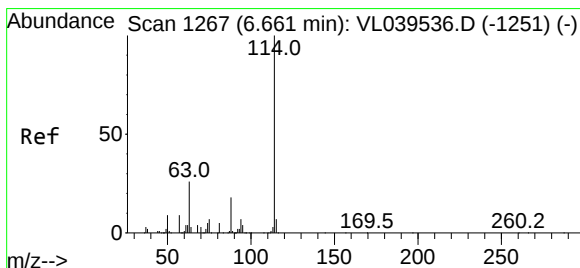
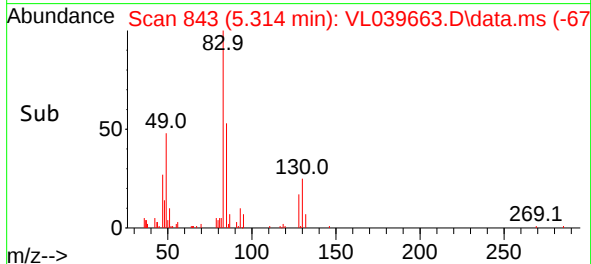
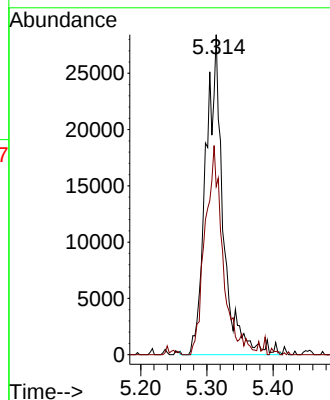
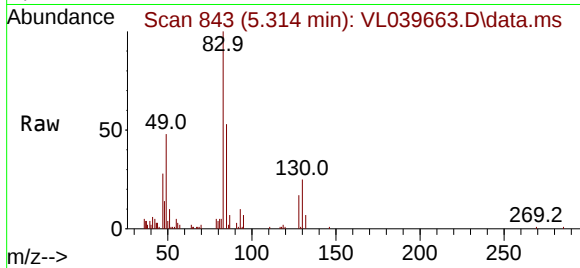
85 52.6 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.684 min Scan# 1269

Delta R.T. 0.023 min

Lab File: VL039663.D

Acq: 22 Sep 2022 10:18

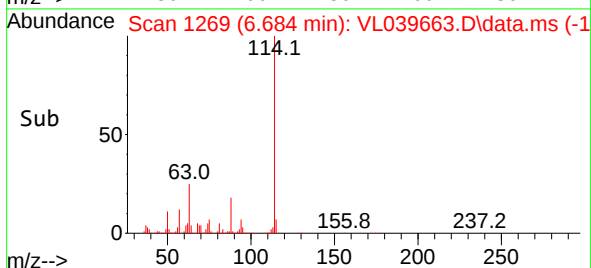
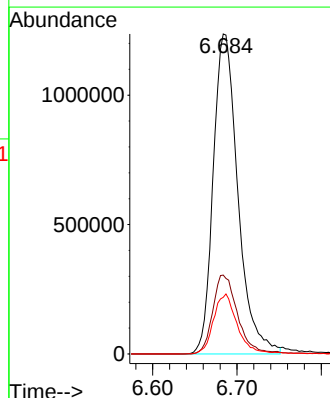
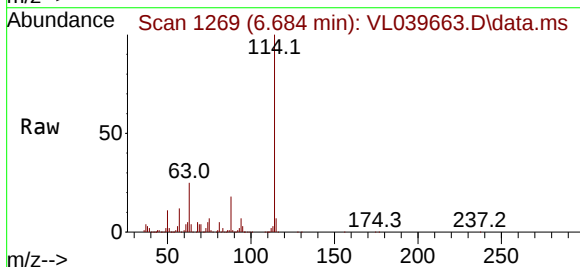
Tgt Ion:114 Resp: 2518262

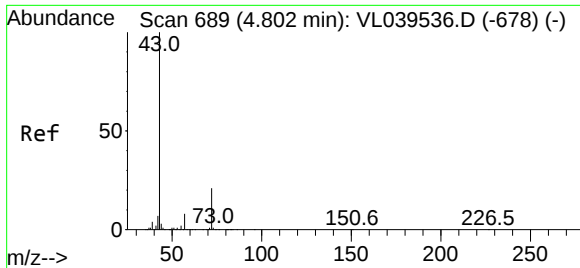
Ion Ratio Lower Upper

114 100

63 25.2 20.2 30.4

88 18.3 14.5 21.7





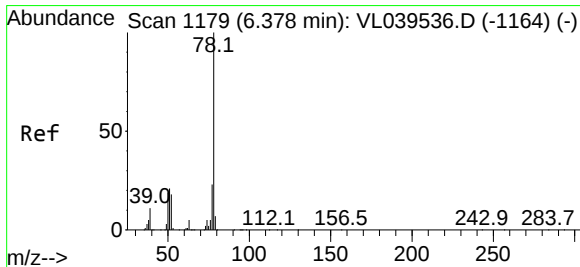
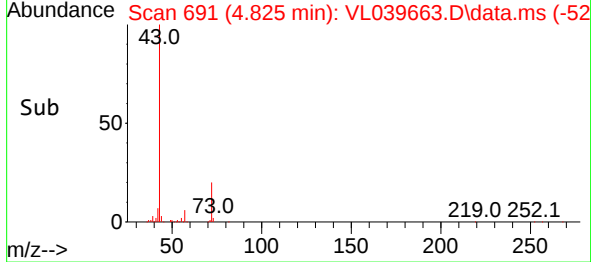
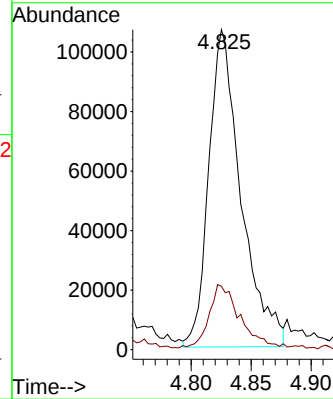
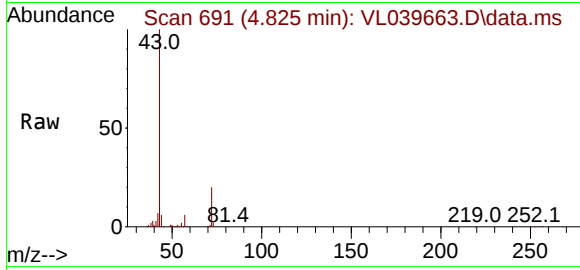
#34
2-Butanone
Concen: 1.615 ppbv
RT: 4.825 min Scan# 691
Delta R.T. 0.023 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18

Instrument :
MSVOA_L
ClientSampleId :
C0PG6

Tgt Ion: 43 Resp: 19971
Ion Ratio Lower Upper
43 100
72 21.3 17.9 26.9

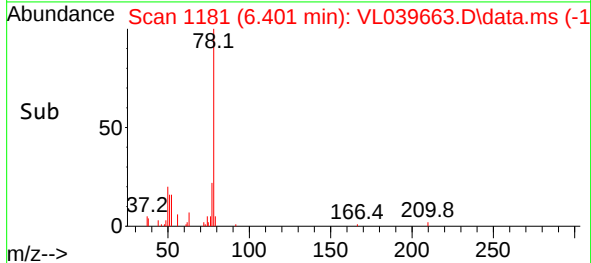
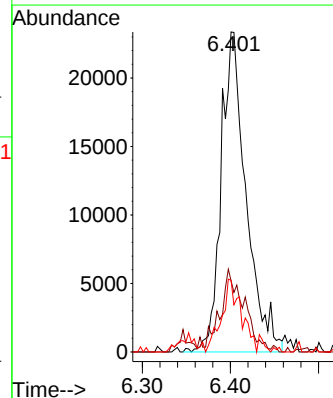
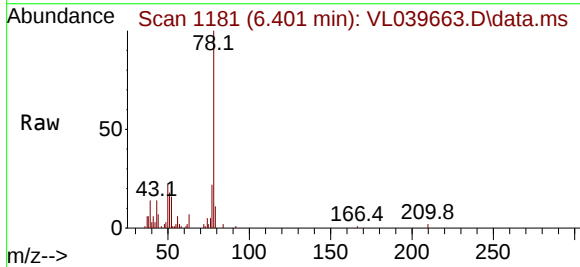
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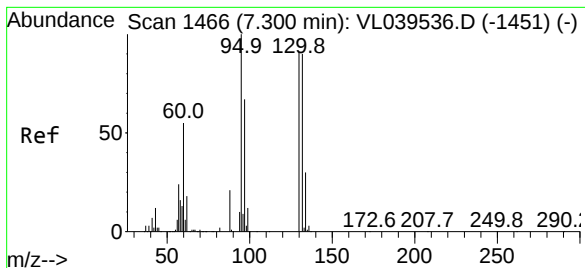
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#36
Benzene
Concen: 0.239 ppbv m
RT: 6.401 min Scan# 1181
Delta R.T. 0.023 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18

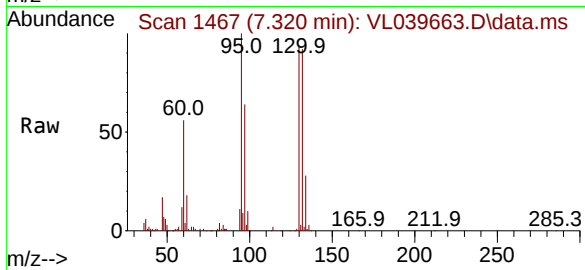
Tgt Ion: 78 Resp: 45980
Ion Ratio Lower Upper
78 100
77 22.3 20.3 30.5
50 22.4 15.5 23.3





#38
Trichloroethene
Concen: 2.105 ppbv
RT: 7.320 min Scan# 1466
Delta R.T. 0.020 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18

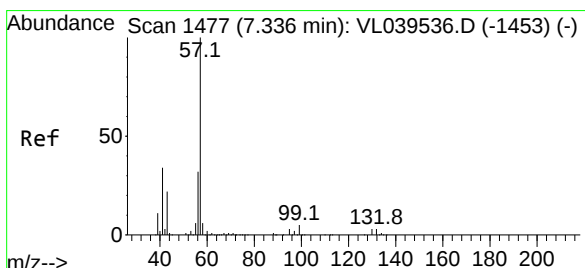
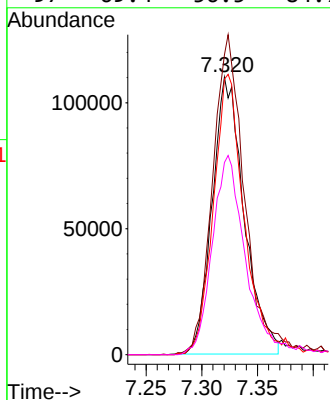
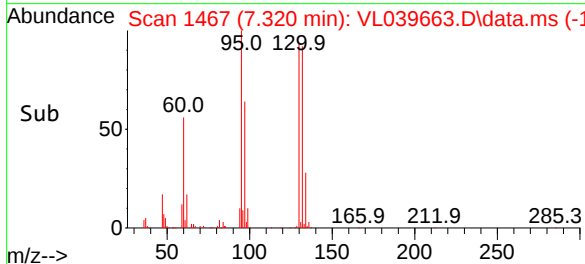
Instrument :
MSVOA_L
ClientSampleId :
C0PG6



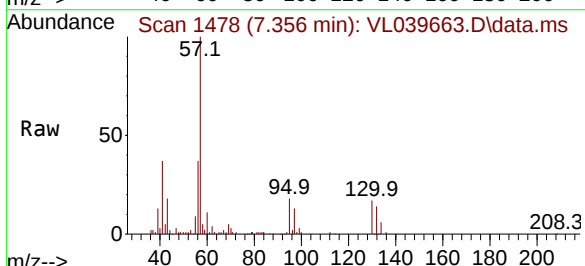
Tgt Ion:130 Resp: 219000
Ion Ratio Lower Upper
130 100
95 107.5 87.3 130.9
132 99.1 76.7 115.1
97 69.4 56.5 84.7

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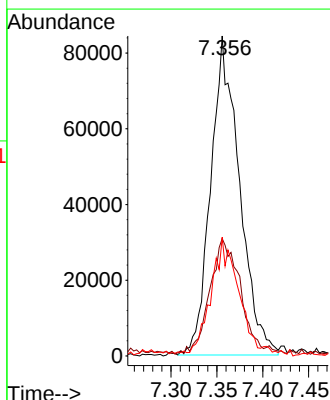
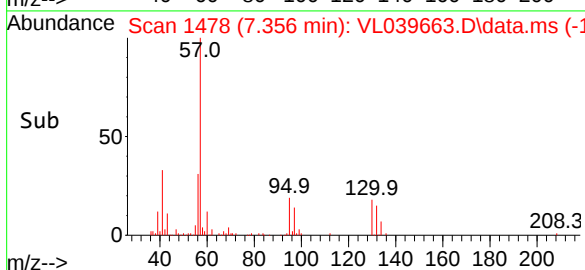
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

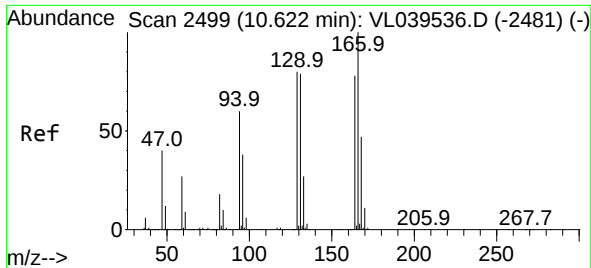


#44
2,2,4-Trimethylpentane
Concen: 0.553 ppbv
RT: 7.356 min Scan# 1478
Delta R.T. 0.020 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18



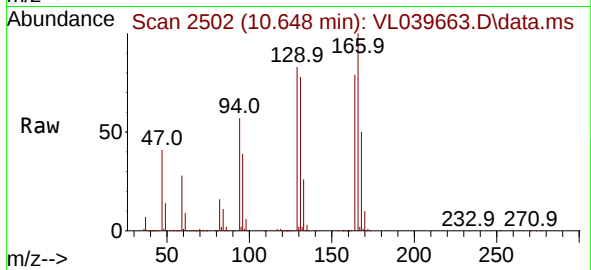
Tgt Ion: 57 Resp: 183642
Ion Ratio Lower Upper
57 100
41 39.5 27.4 41.2
56 39.8 24.5 36.7#





#52
Tetrachloroethene
Concen: 47.891 ppbv
RT: 10.648 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18

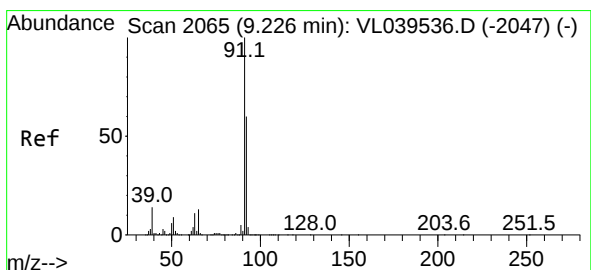
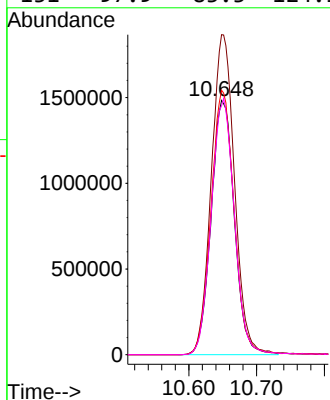
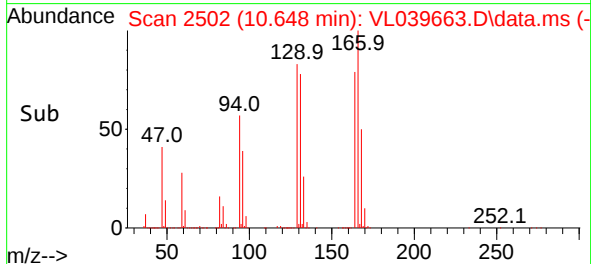
Instrument :
MSVOA_L
ClientSampleId :
C0PG6



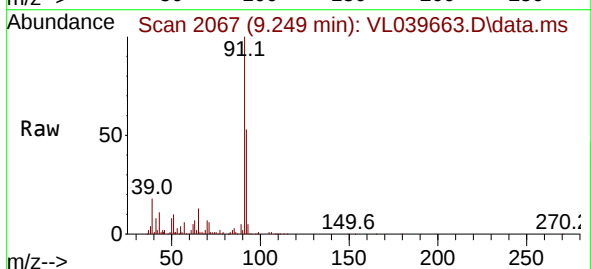
Tgt Ion:164 Resp: 3517709
Ion Ratio Lower Upper
164 100
166 125.9 102.2 153.2
129 104.0 85.8 128.8
131 97.9 83.3 124.9

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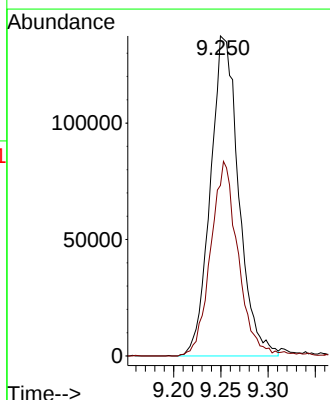
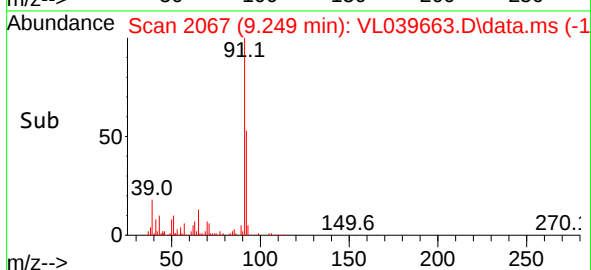
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

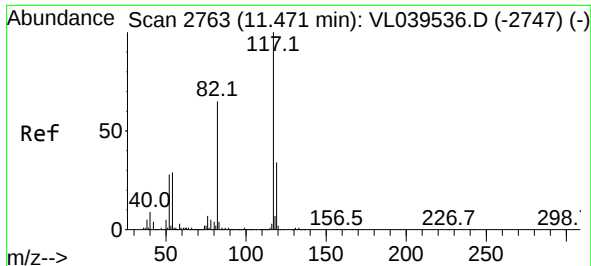


#53
Toluene
Concen: 1.337 ppbv
RT: 9.249 min Scan# 2067
Delta R.T. 0.023 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18



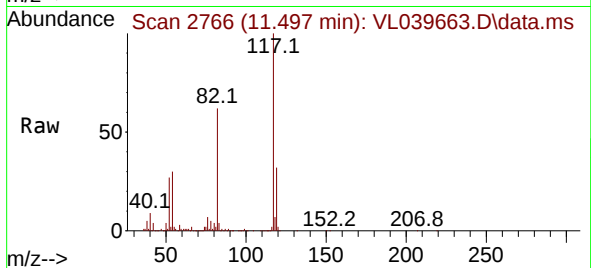
Tgt Ion: 91 Resp: 286201
Ion Ratio Lower Upper
91 100
92 59.5 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.497 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18

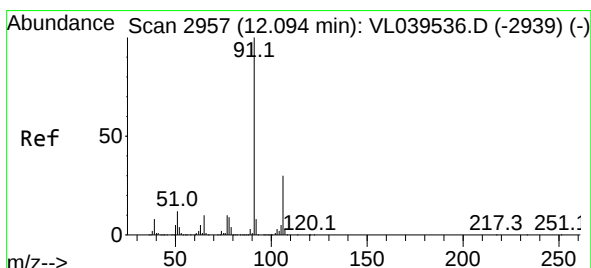
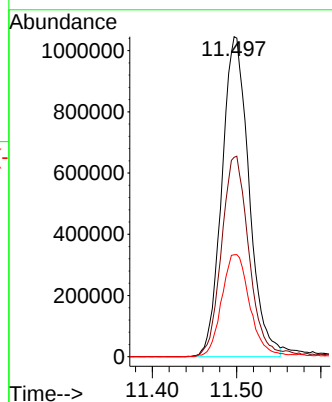
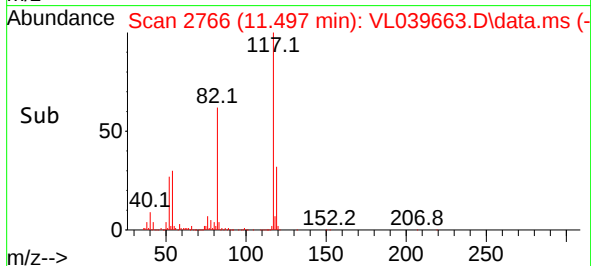
Instrument :
MSVOA_L
ClientSampleId :
C0PG6



Tgt Ion:117 Resp: 2335139
Ion Ratio Lower Upper
117 100
82 65.3 50.8 76.2
119 33.8 24.1 36.1

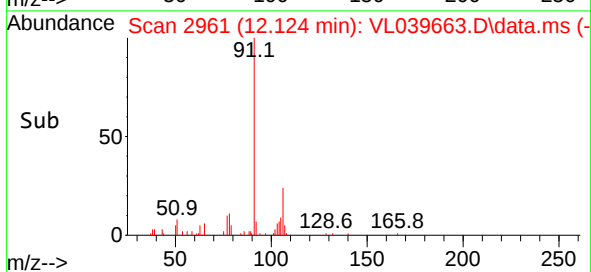
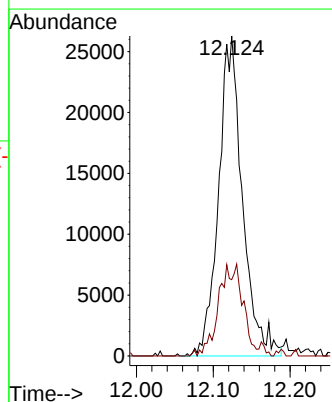
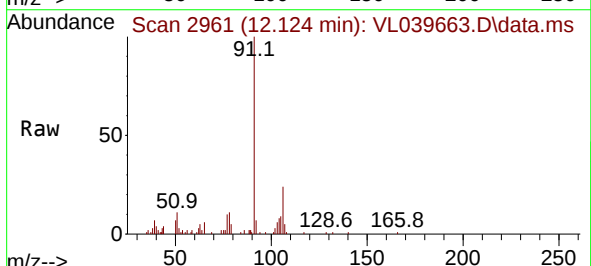
Manual Integrations
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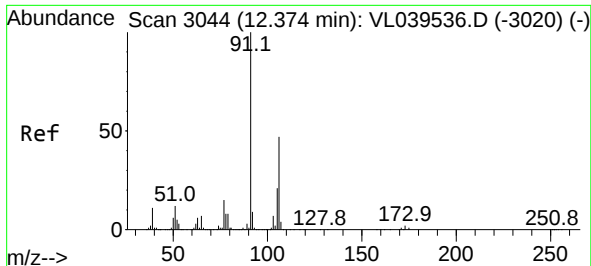
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#58
Ethyl Benzene
Concen: 0.211 ppbv m
RT: 12.124 min Scan# 2961
Delta R.T. 0.030 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18

Tgt Ion: 91 Resp: 56790
Ion Ratio Lower Upper
91 100
106 23.9 25.4 38.0#





#59

m/p-Xylene

Concen: 0.937 ppbv

RT: 12.381 min Scan# 3041

Delta R.T. 0.007 min

Lab File: VL039663.D

Acq: 22 Sep 2022 10:18

Instrument :

MSVOA_L

ClientSampleId :

C0PG6

Tgt Ion: 91 Resp: 22457

Ion Ratio Lower Upper

91 100

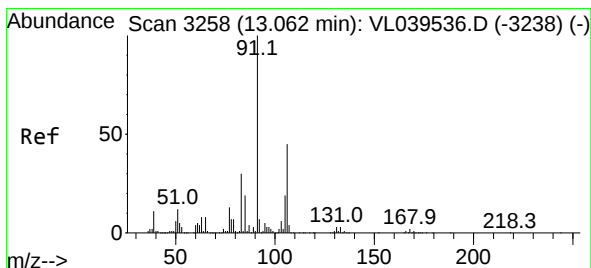
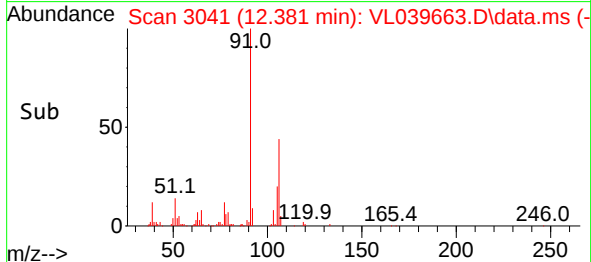
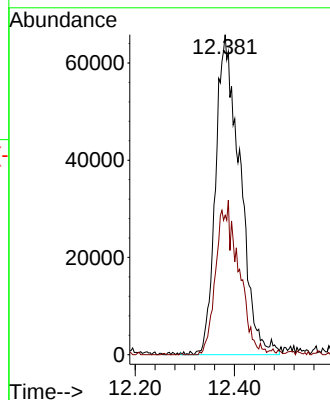
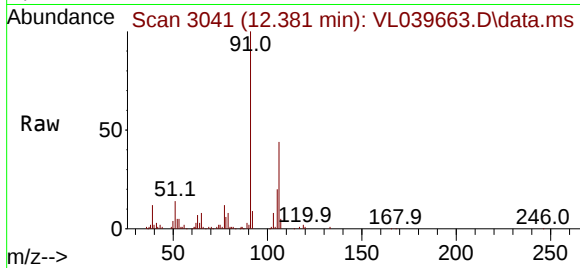
106 0.0 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/28/2022

Supervised By :Mahesh Dadoda 09/28/2022



#60

o-Xylene

Concen: 0.331 ppbv

RT: 13.089 min Scan# 3261

Delta R.T. 0.026 min

Lab File: VL039663.D

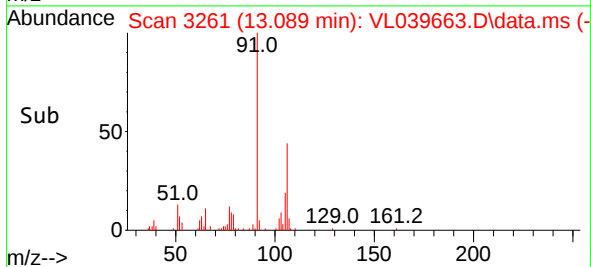
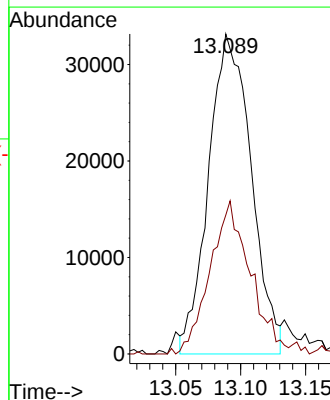
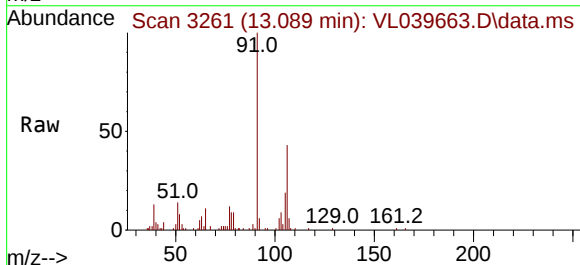
Acq: 22 Sep 2022 10:18

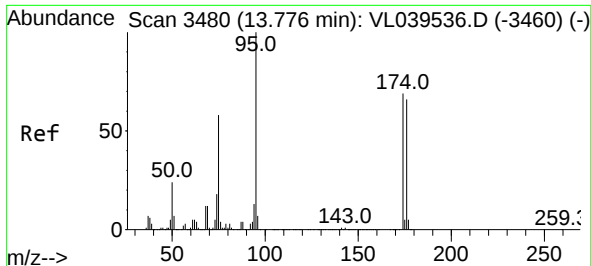
Tgt Ion: 91 Resp: 75683

Ion Ratio Lower Upper

91 100

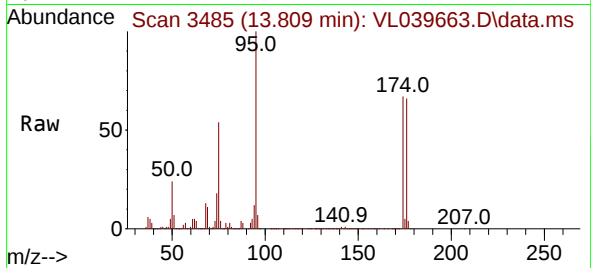
106 46.7 22.4 67.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.171 ppbv
RT: 13.809 min Scan# 3485
Delta R.T. 0.033 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18

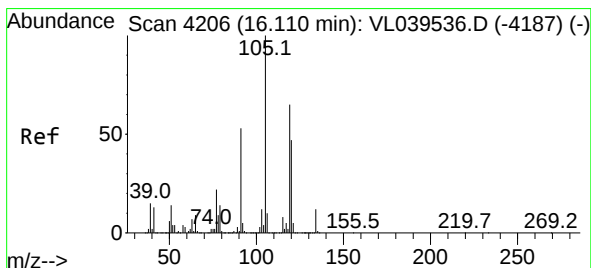
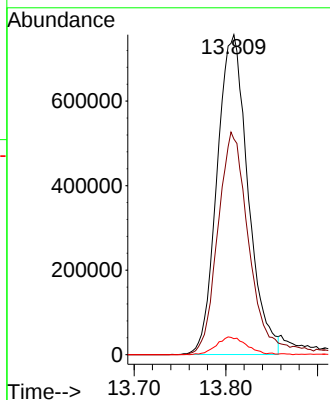
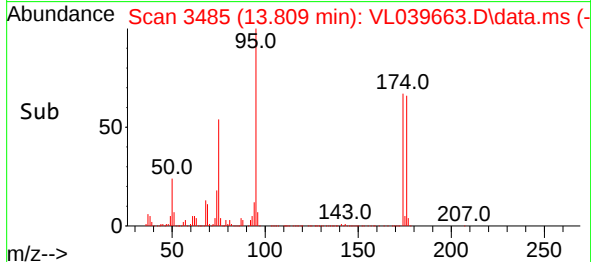
Instrument :
MSVOA_L
ClientSampleId :
C0PG6



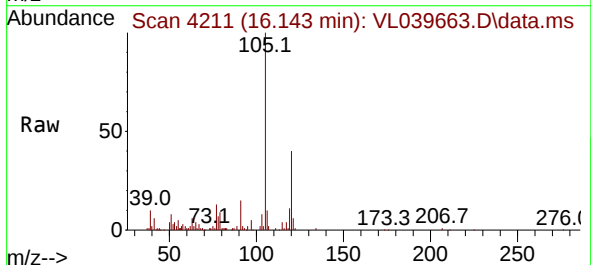
Tgt Ion: 95 Resp: 177294
Ion Ratio Lower Upper
95 100
174 73.4 55.9 83.9
175 5.6 4.2 6.4

Manual Integrations
APPROVED

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



#74
1,2,4-Trimethylbenzene
Concen: 0.478 ppbv m
RT: 16.143 min Scan# 4211
Delta R.T. 0.033 min
Lab File: VL039663.D
Acq: 22 Sep 2022 10:18



Tgt Ion:105 Resp: 128144
Ion Ratio Lower Upper
105 100
120 39.8 39.5 59.3
91 15.5 39.2 58.8#
77 12.7 17.2 25.8#

