

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039645.D
 Acq On : 21 Sep 2022 21:39
 Operator : SY/AP
 Sample : N4669-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF5

Manual Integrations
 APPROVED

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

Quant Time: Sep 22 08:20:21 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	5.214	49	1093585	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2713199	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.484	117	2397781	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	1849929	10.335	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.758	85	28974	0.229	ppbv	88
3) Chlorodifluoromethane	2.681	51	12044712	92.811	ppbv #	57
4) Chloromethane	2.838	50	27199	0.347	ppbv	89
11) Trichlorofluoromethane	3.594	101	50536	0.322	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.089	101	7971m	0.067	ppbv	
13) Ethanol	3.272	45	4870841	1078.543	ppbv	70
15) Acetone	3.491	43	2098823	17.248	ppbv	99
20) Methylene Chloride	3.960	84	659072	11.714	ppbv	92
25) Ethyl Acetate	5.234	43	366798	1.382	ppbv #	92
26) Hexane	5.237	57	283523	2.518	ppbv #	62
27) Carbon Disulfide	4.153	76	18360	0.155	ppbv #	88
29) Chloroform	5.298	83	121779	0.749	ppbv	97
34) 2-Butanone	4.819	43	96185	0.722	ppbv #	89
35) Carbon Tetrachloride	6.517	117	13770	0.096	ppbv	98
36) Benzene	6.391	78	48643	0.234	ppbv #	87
37) 1,2-Dichloroethane	5.828	62	37484m	0.332	ppbv	
53) Toluene	9.240	91	314375	1.363	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	2042550	12.438	ppbv	98

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

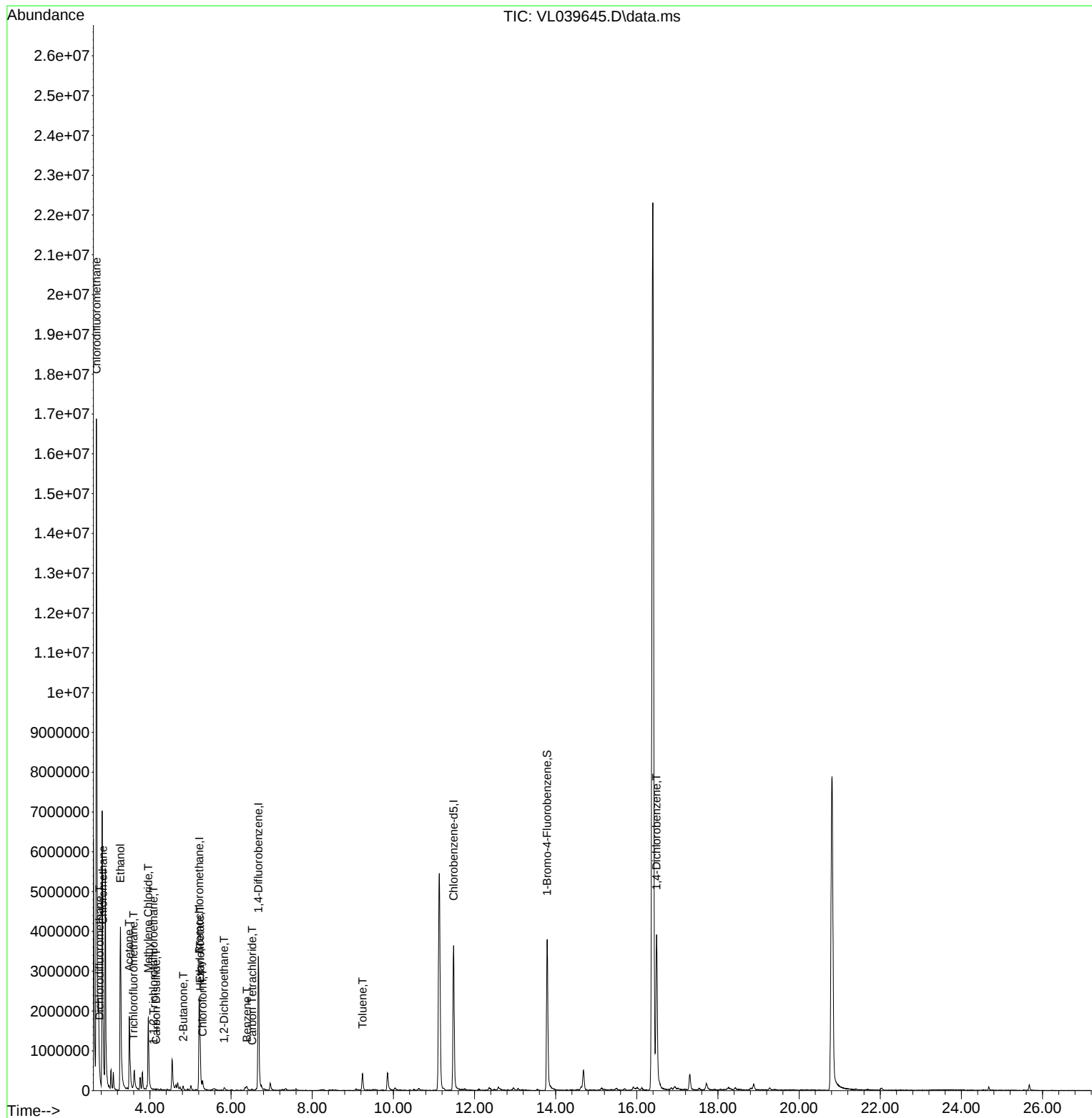
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
Data File : VL039645.D
Acq On : 21 Sep 2022 21:39
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Misc : 400mL/MSVOA_L
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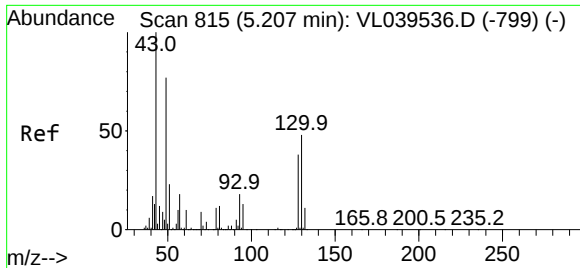
Instrument :
MSVOA_L
ClientSampleId :
C0PF5

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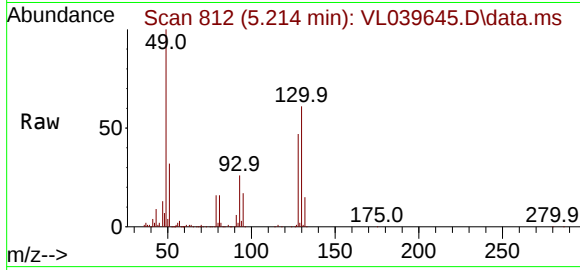
Quant Time: Sep 22 08:20:21 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

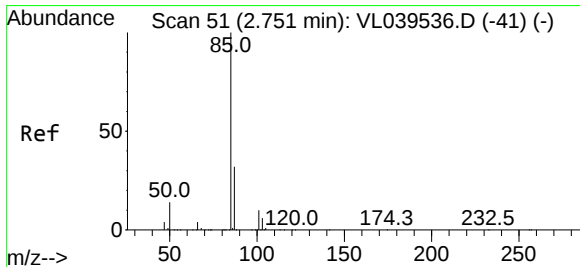
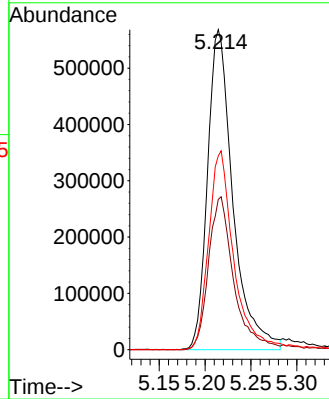
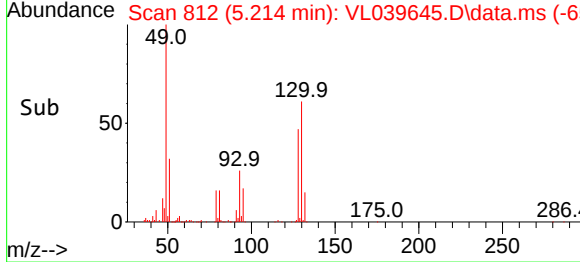
Instrument :
MSVOA_L
ClientSampleId :
COPF5



Tgt Ion: 49 Resp: 109358
Ion Ratio Lower Upper
49 100
128 48.4 26.7 80.0
130 63.0 34.3 102.8

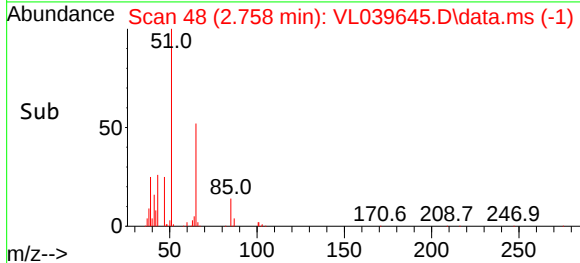
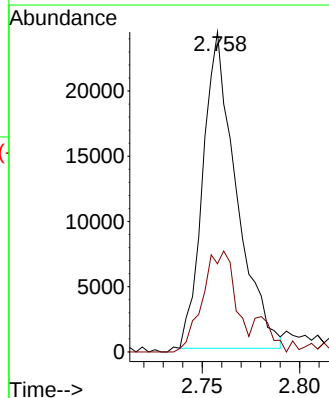
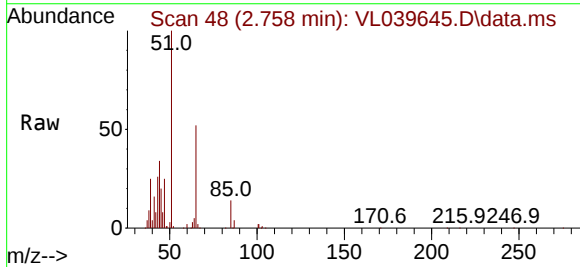
Manual Integrations
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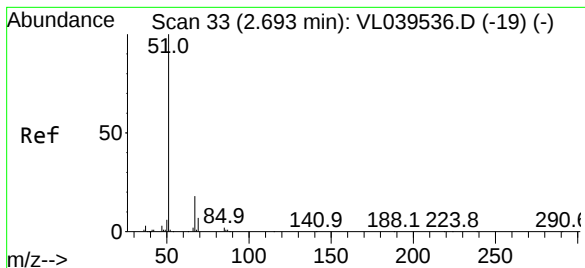
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#2
Dichlorodifluoromethane
Concen: 0.229 ppbv
RT: 2.758 min Scan# 48
Delta R.T. 0.007 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

Tgt Ion: 85 Resp: 28974
Ion Ratio Lower Upper
85 100
87 26.8 26.7 40.1





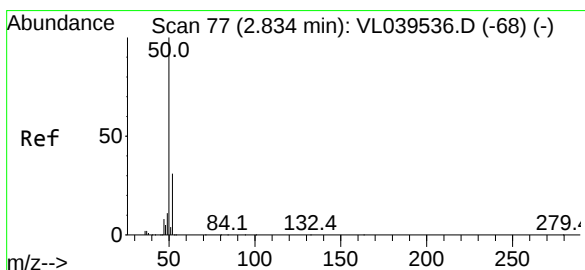
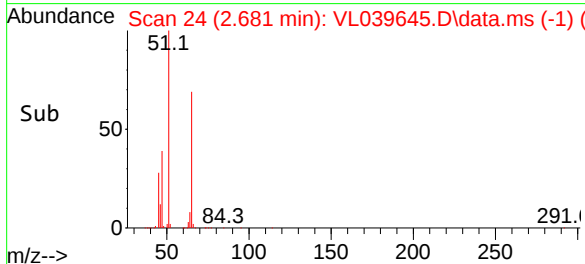
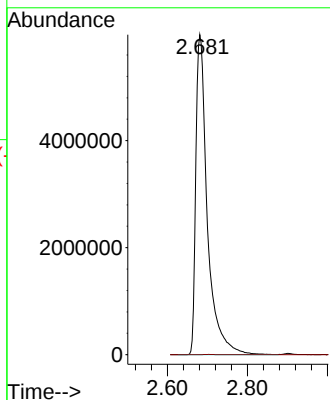
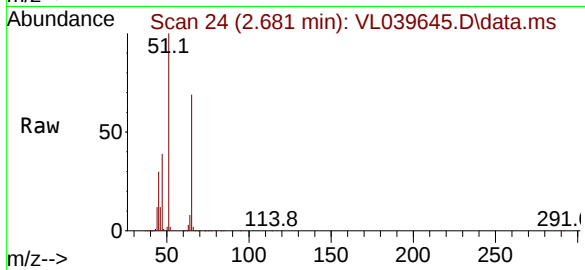
#3
Chlorodifluoromethane
Concen: 92.811 ppbv
RT: 2.681 min Scan# 24
Delta R.T. -0.012 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

Instrument :
MSVOA_L
ClientSampleId :
COPF5

Tgt Ion: 51 Resp:1204471
Ion Ratio Lower Upper
51 100
67 0.1 15.7 23.5

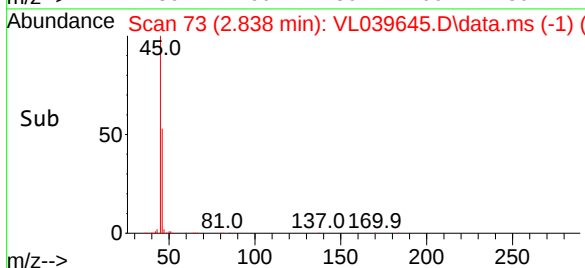
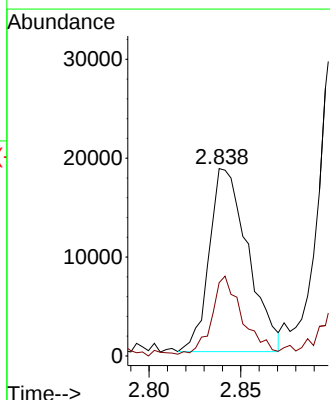
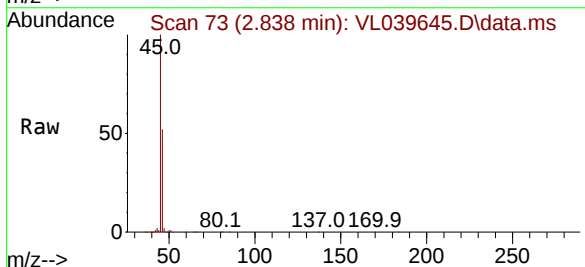
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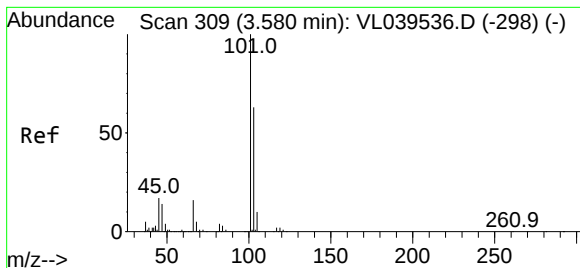
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#4
Chloromethane
Concen: 0.347 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.004 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

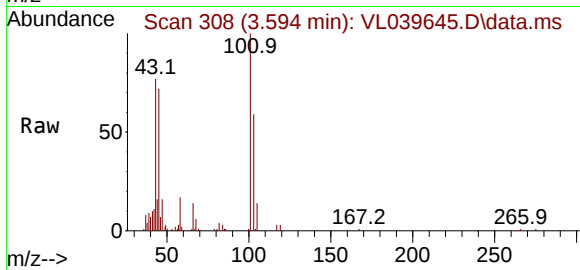
Tgt Ion: 50 Resp: 27199
Ion Ratio Lower Upper
50 100
52 39.1 26.5 39.7





#11
Trichlorofluoromethane
Concen: 0.322 ppbv
RT: 3.594 min Scan# 309
Delta R.T. 0.014 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

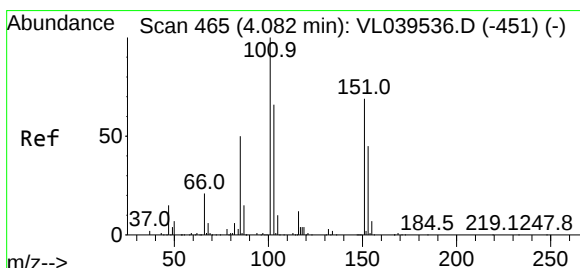
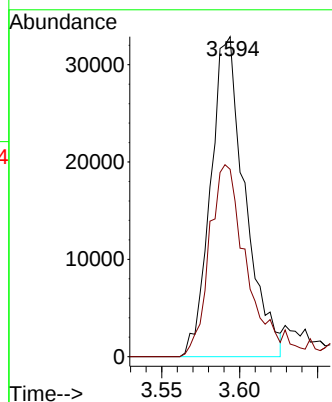
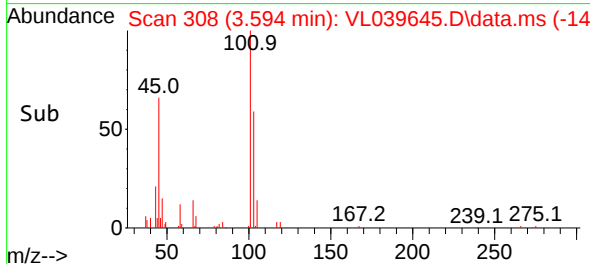
Instrument :
MSVOA_L
ClientSampleId :
COPF5



Tgt Ion:101 Resp: 50530
Ion Ratio Lower Upper
101 100
103 58.5 51.8 77.8

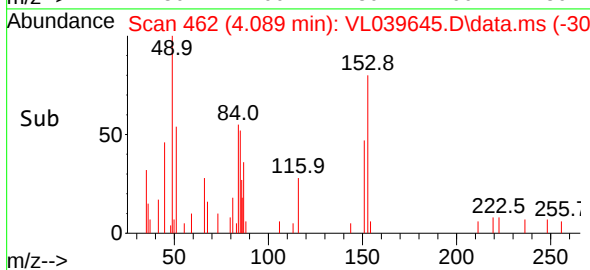
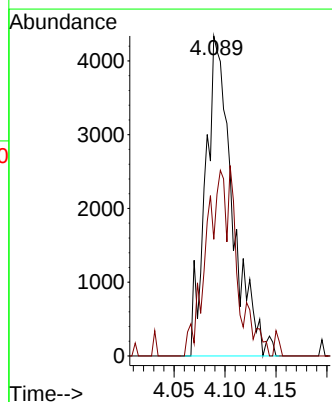
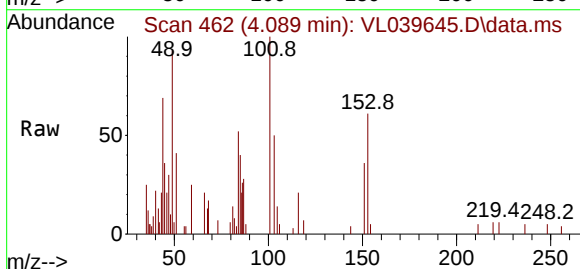
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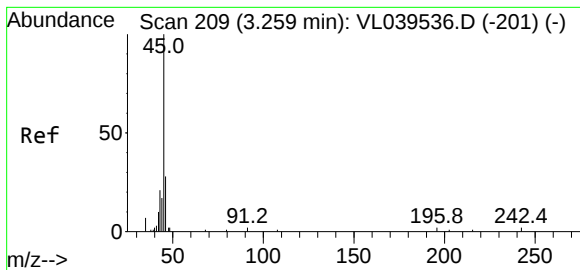
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.067 ppbv m
RT: 4.089 min Scan# 462
Delta R.T. 0.007 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

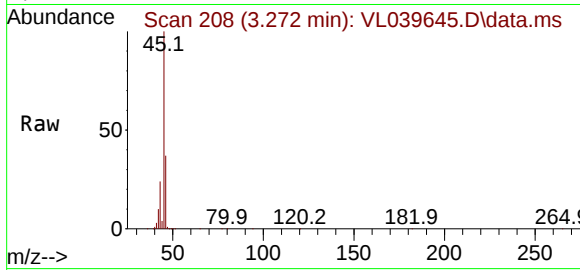
Tgt Ion:101 Resp: 7971
Ion Ratio Lower Upper
101 100
151 0.0 58.9 88.3#





#13
Ethanol
Concen: 1078.543 ppbv
RT: 3.272 min Scan# 208
Delta R.T. 0.014 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

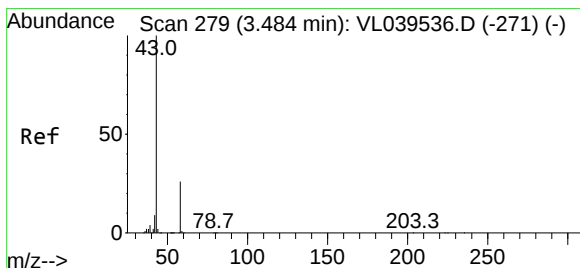
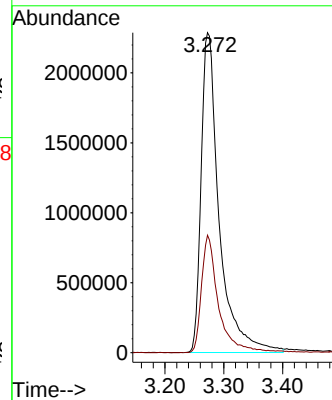
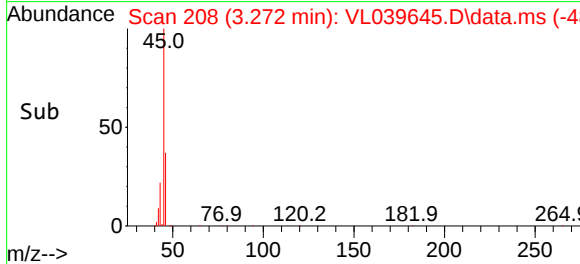
Instrument :
MSVOA_L
ClientSampleId :
COPF5



Tgt Ion: 45 Resp: 487084
Ion Ratio Lower Upper
45 100
46 35.0 22.8 91.2

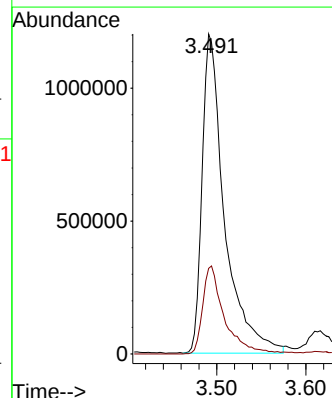
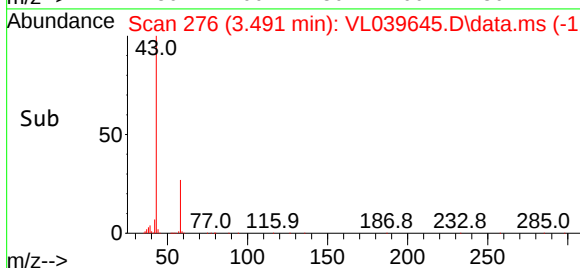
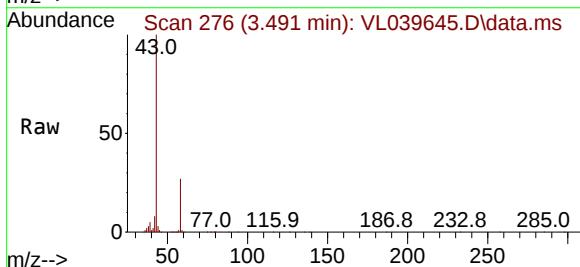
Manual Integrations
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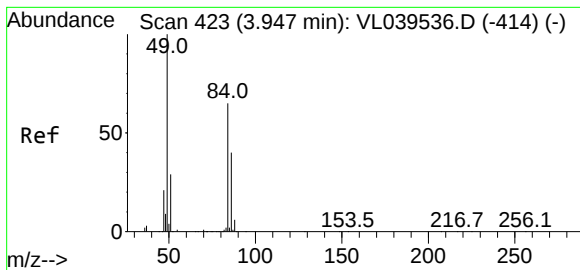
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#15
Acetone
Concen: 17.248 ppbv
RT: 3.491 min Scan# 276
Delta R.T. 0.007 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

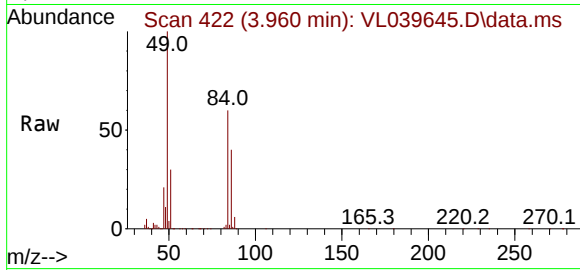
Tgt Ion: 43 Resp: 2098823
Ion Ratio Lower Upper
43 100
58 27.0 21.0 31.6





#20
Methylene Chloride
Concen: 11.714 ppbv
RT: 3.960 min Scan# 41
Delta R.T. 0.014 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

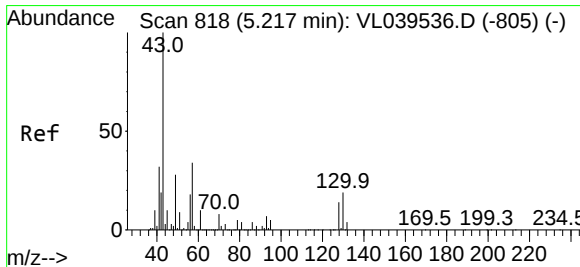
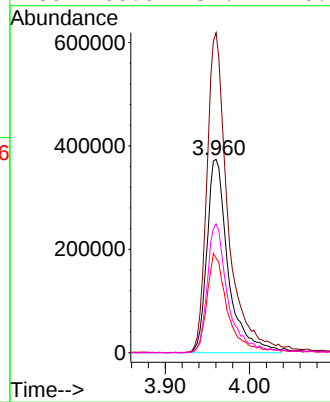
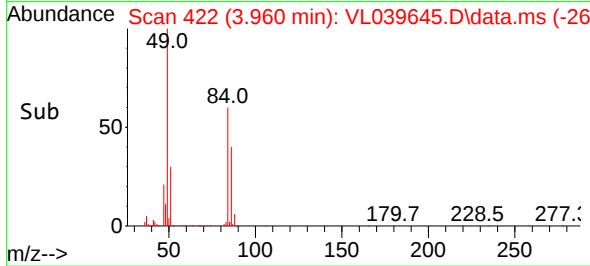
Instrument :
MSVOA_L
ClientSampleId :
COPF5



Tgt Ion	Ratio	Lower	Upper
84	100		
49	165.6	123.1	184.7
51	48.7	34.4	51.6
86	66.6	51.1	76.7

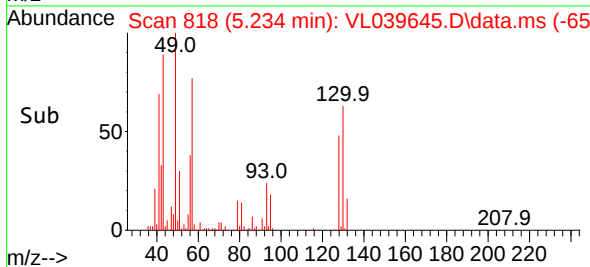
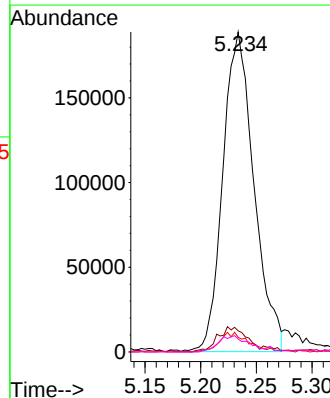
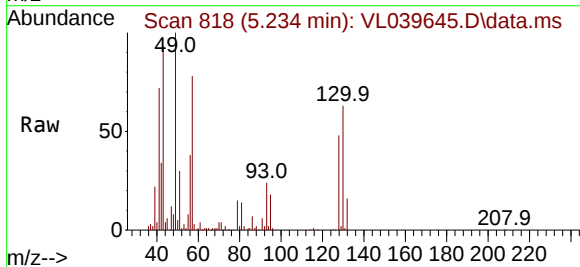
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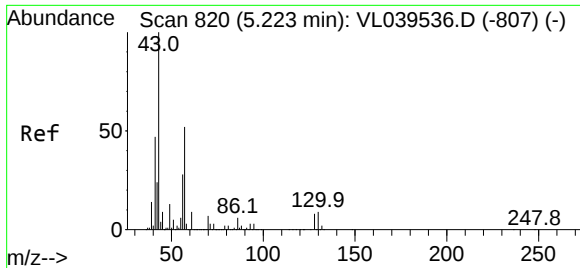
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#25
Ethyl Acetate
Concen: 1.382 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.017 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

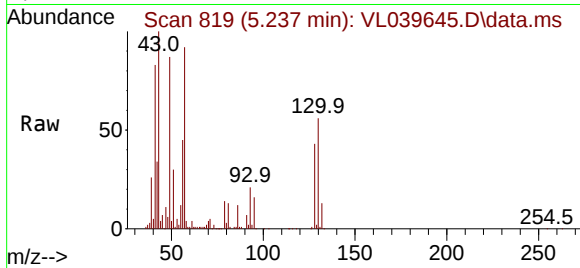
Tgt Ion	Ratio	Lower	Upper
43	100		
45	7.7	8.2	12.4#
61	6.0	8.3	12.5#
70	5.3	5.9	8.9#





#26
Hexane
Concen: 2.518 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.014 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

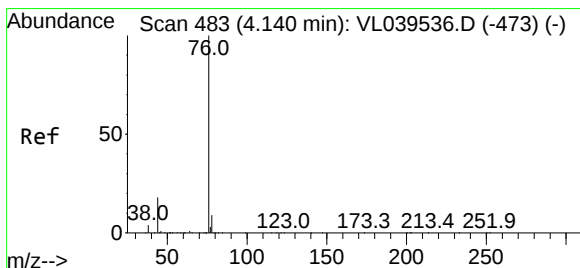
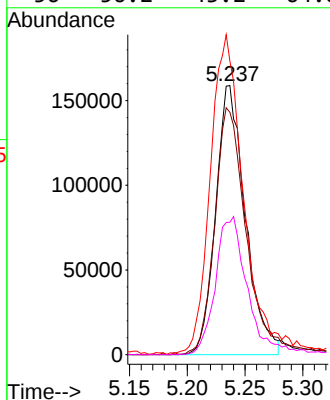
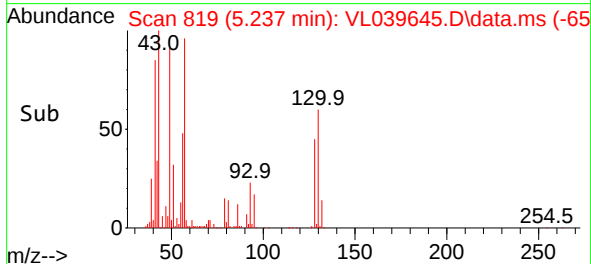
Instrument :
MSVOA_L
ClientSampleId :
COPF5



Tgt Ion: 57 Resp: 28352
Ion Ratio Lower Upper
57 100
41 99.5 76.9 115.3
43 136.7 191.0 286.6
56 56.2 43.2 64.8

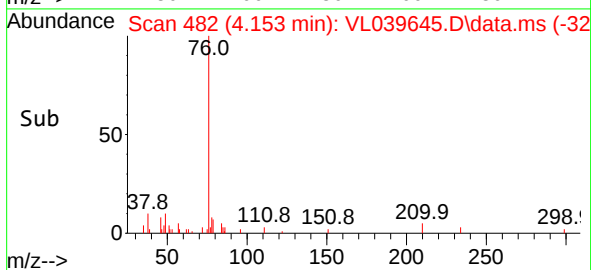
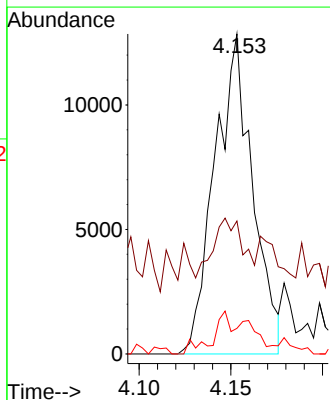
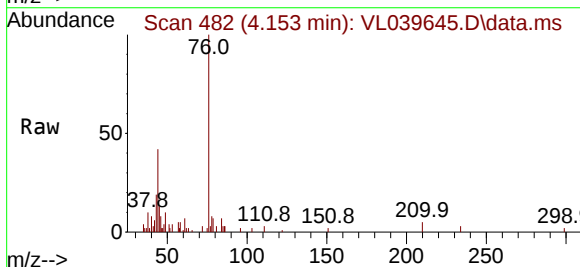
Manual Integrations
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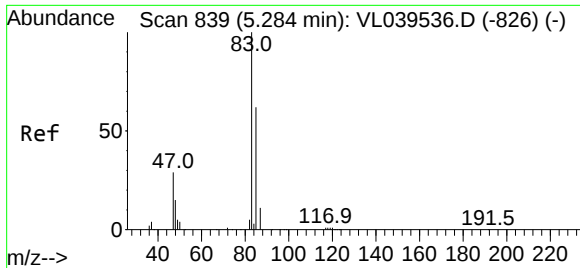
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#27
Carbon Disulfide
Concen: 0.155 ppbv
RT: 4.153 min Scan# 482
Delta R.T. 0.014 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

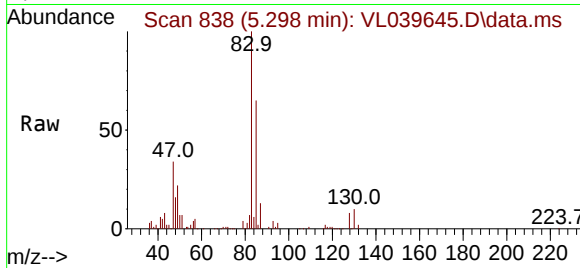
Tgt Ion: 76 Resp: 18360
Ion Ratio Lower Upper
76 100
44 23.1 14.6 21.8#
78 14.7 7.8 11.6#





#29
Chloroform
Concen: 0.749 ppbv
RT: 5.298 min Scan# 81
Delta R.T. 0.014 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

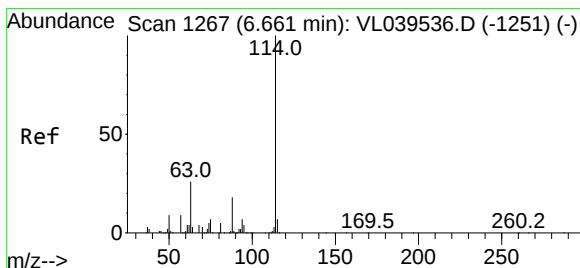
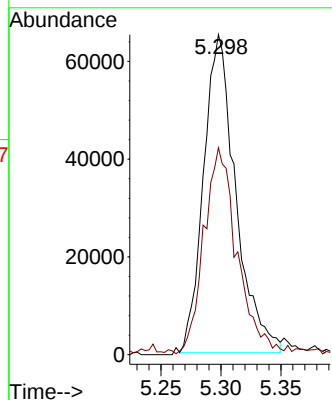
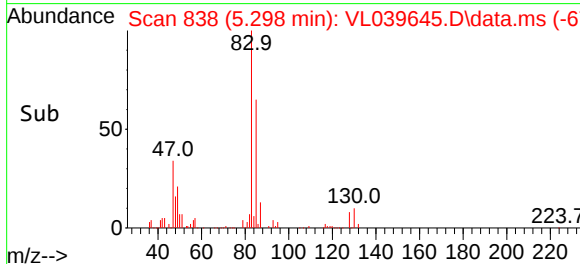
Instrument :
MSVOA_L
ClientSampleId :
COPF5



Tgt Ion: 83 Resp: 121779
Ion Ratio Lower Upper
83 100
85 63.8 52.8 79.2

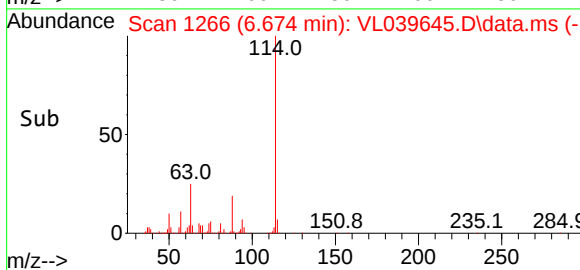
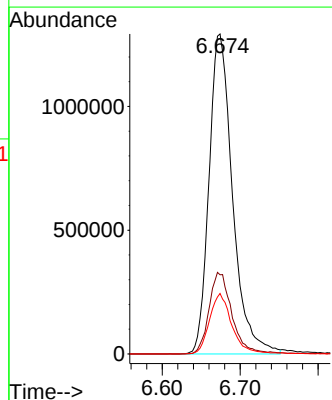
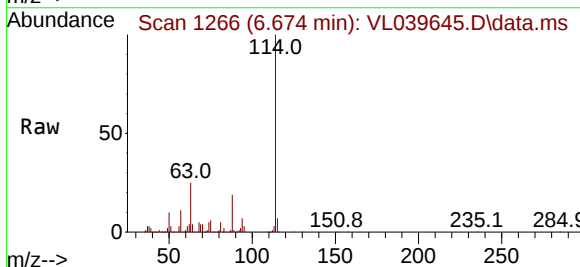
Manual Integrations
APPROVED

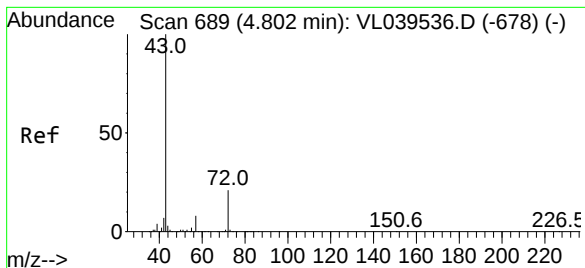
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. 0.014 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

Tgt Ion:114 Resp: 2713199
Ion Ratio Lower Upper
114 100
63 25.2 20.2 30.4
88 18.2 14.5 21.7





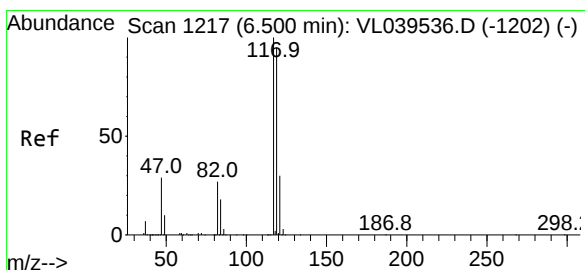
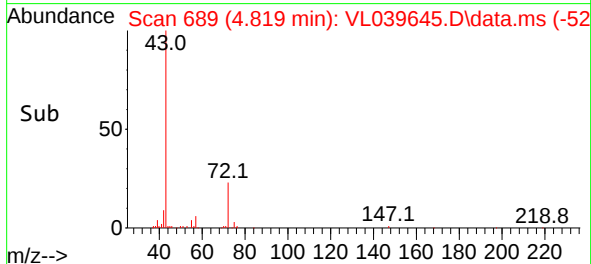
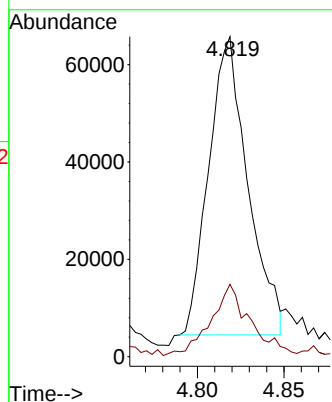
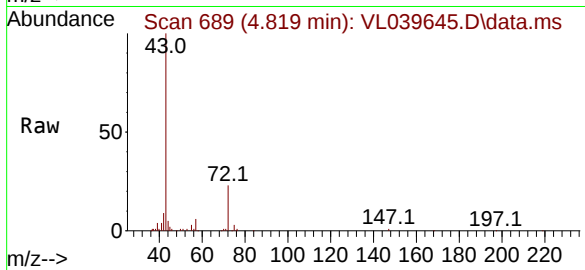
#34
2-Butanone
Concen: 0.722 ppbv
RT: 4.819 min Scan# 618
Delta R.T. 0.017 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

Instrument :
MSVOA_L
ClientSampleId :
COPF5

Tgt Ion: 43 Resp: 9618
Ion Ratio Lower Upper
43 100
72 27.7 17.9 26.9

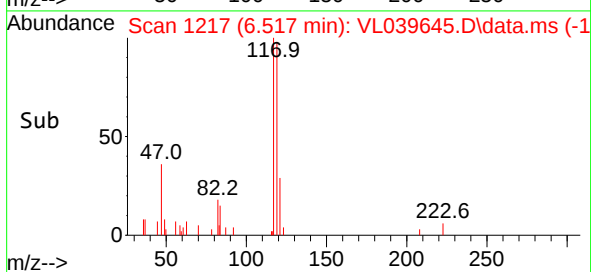
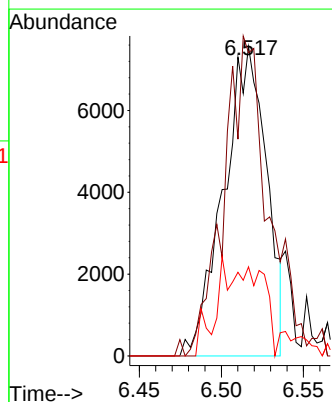
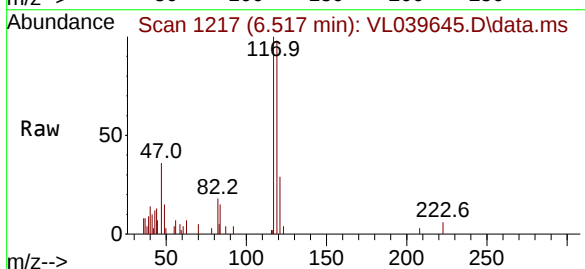
Manual Integrations
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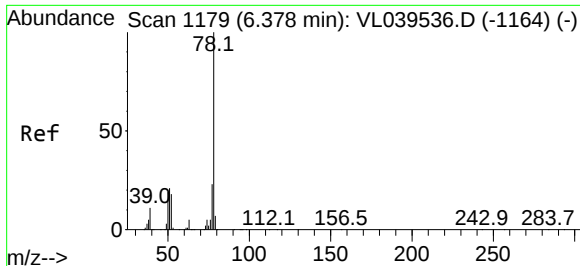
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#35
Carbon Tetrachloride
Concen: 0.096 ppbv
RT: 6.517 min Scan# 1217
Delta R.T. 0.017 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

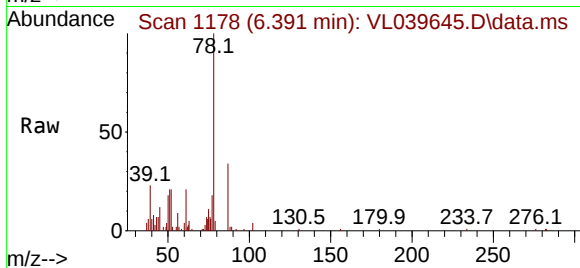
Tgt Ion:117 Resp: 13770
Ion Ratio Lower Upper
117 100
119 92.7 75.4 113.2
121 28.8 24.2 36.2





#36
Benzene
Concen: 0.234 ppbv
RT: 6.391 min Scan# 1178
Delta R.T. 0.014 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

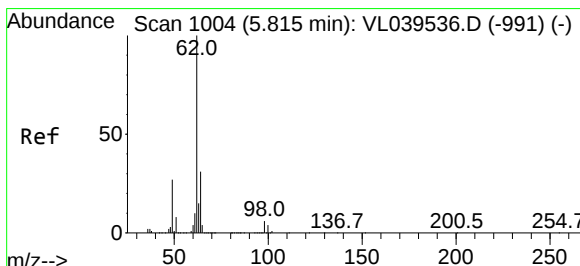
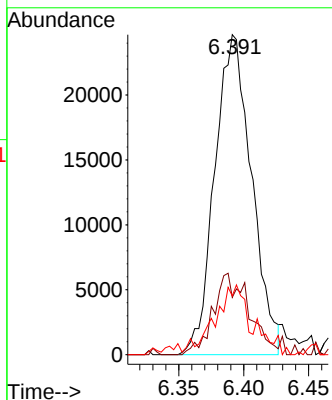
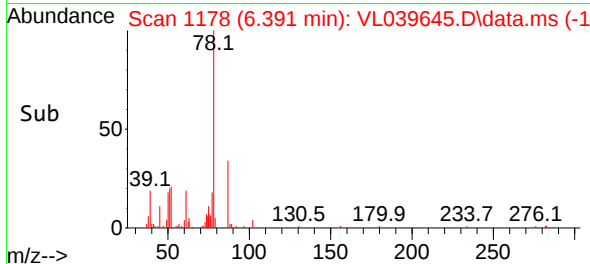
Instrument :
MSVOA_L
ClientSampleId :
COPF5



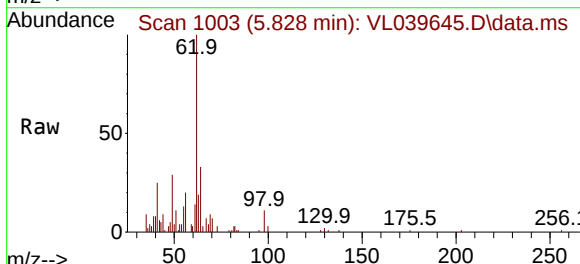
Tgt Ion: 78 Resp: 4864
Ion Ratio Lower Upper
78 100
77 17.9 20.3 30.5
50 14.9 15.5 23.3

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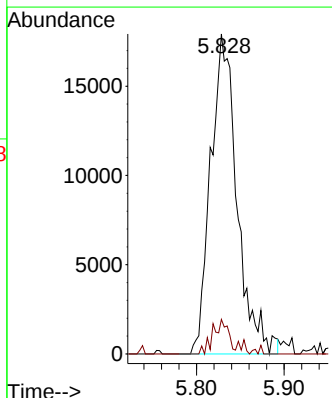
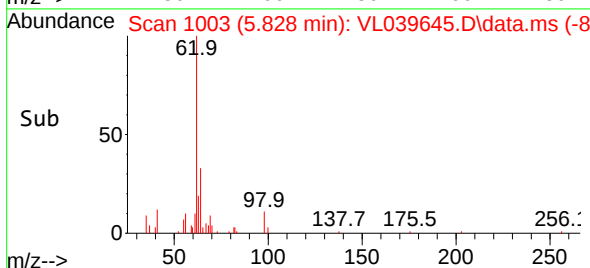
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

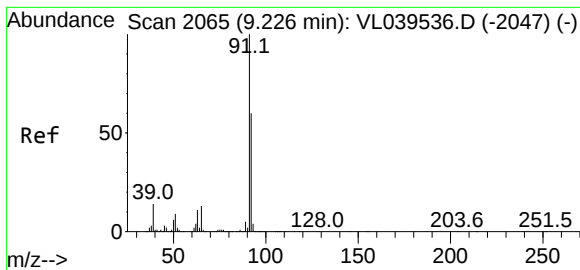


#37
1,2-Dichloroethane
Concen: 0.332 ppbv m
RT: 5.828 min Scan# 1003
Delta R.T. 0.014 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39



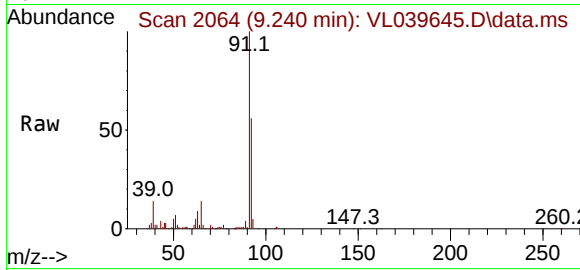
Tgt Ion: 62 Resp: 37484
Ion Ratio Lower Upper
62 100
98 7.8 5.1 7.7#





#53
Toluene
Concen: 1.363 ppbv
RT: 9.240 min Scan# 2065
Delta R.T. 0.014 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

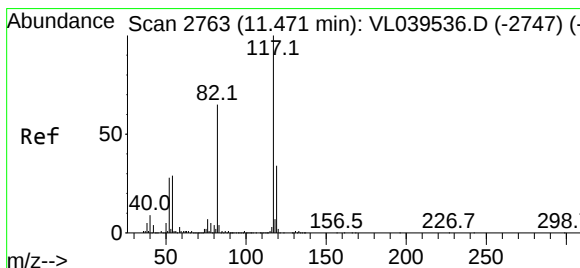
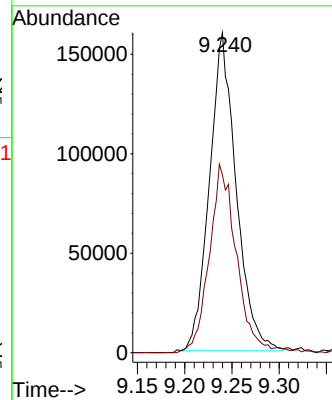
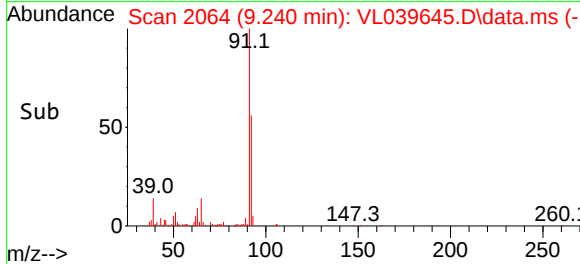
Instrument :
MSVOA_L
ClientSampleId :
COPF5



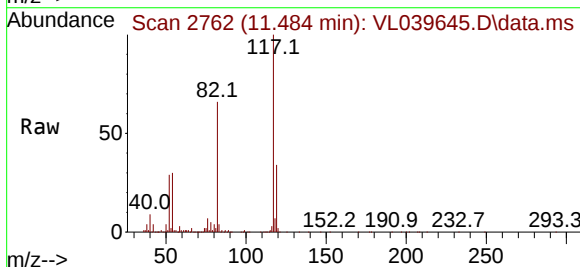
Tgt Ion: 91 Resp: 314375
Ion Ratio Lower Upper
91 100
92 60.7 48.2 72.2

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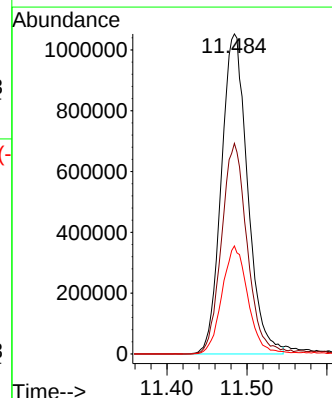
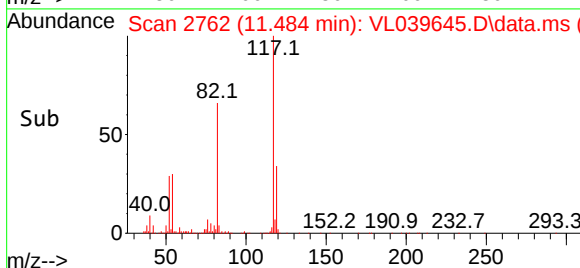
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

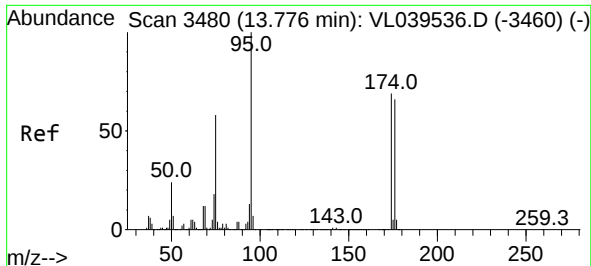


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 2762
Delta R.T. 0.014 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39



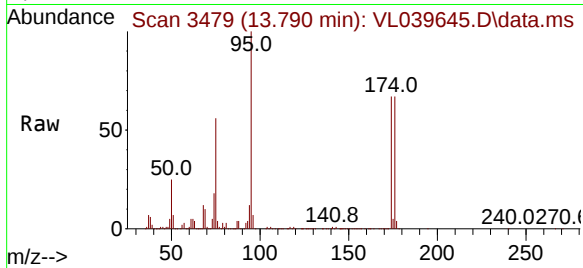
Tgt Ion:117 Resp: 2397781
Ion Ratio Lower Upper
117 100
82 66.2 50.8 76.2
119 33.7 24.1 36.1





#68
1-Bromo-4-Fluorobenzene
Concen: 10.335 ppbv
RT: 13.790 min Scan# 3480
Delta R.T. 0.014 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39

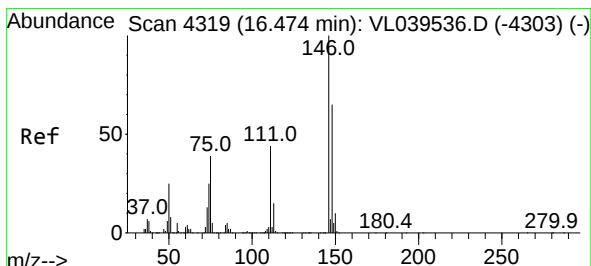
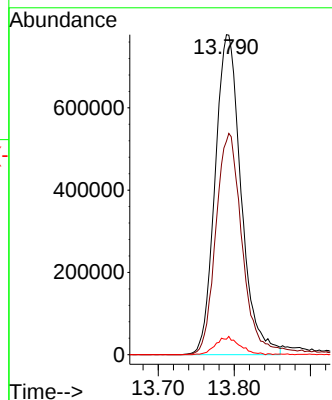
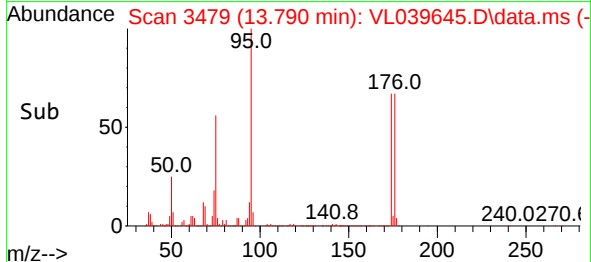
Instrument :
MSVOA_L
ClientSampleId :
COPF5



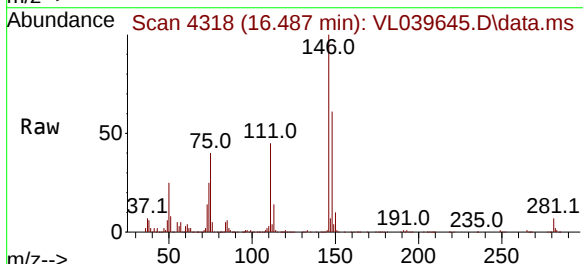
Tgt Ion: 95 Resp: 1849929
Ion Ratio Lower Upper
95 100
174 72.4 55.9 83.9
175 5.2 4.2 6.4

Manual Integrations
APPROVED

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



#76
1,4-Dichlorobenzene
Concen: 12.438 ppbv
RT: 16.487 min Scan# 4318
Delta R.T. 0.014 min
Lab File: VL039645.D
Acq: 21 Sep 2022 21:39



Tgt Ion:146 Resp: 2042550
Ion Ratio Lower Upper
146 100
111 45.2 22.9 68.8
148 65.3 33.6 100.8

