

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039657.D
 Acq On : 22 Sep 2022 5:34
 Operator : SY/AP
 Sample : N4669-09
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG1

Manual Integrations
 APPROVED

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

Quant Time: Sep 22 08:27:21 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	5.224	49	1007009	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.684	114	2555303	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.497	117	2433337	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1864044	10.262	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.764	85	71527	0.613	ppbv	92
3) Chlorodifluoromethane	2.709	51	68286	0.571	ppbv	93
4) Chloromethane	2.848	50	33617	0.466	ppbv #	86
11) Trichlorofluoromethane	3.600	101	36459	0.252	ppbv	93
13) Ethanol	3.272	45	1849664	444.780	ppbv	71
15) Acetone	3.500	43	2358877	21.051	ppbv	94
20) Methylene Chloride	3.967	84	58975	1.138	ppbv	97
26) Hexane	5.246	57	194229	1.873	ppbv #	61
38) Trichloroethene	7.317	130	907412	8.594	ppbv	98
41) Tetrahydrofuran	5.594	42	187866	2.440	ppbv	97
44) 2,2,4-Trimethylpentane	7.352	57	170611m	0.507	ppbv	
52) Tetrachloroethene	10.651	164	6468467	86.788	ppbv	96
53) Toluene	9.249	91	361016	1.662	ppbv	100
58) Ethyl Benzene	12.114	91	54512m	0.194	ppbv	
59) m/p-Xylene	12.375	91	214925m	0.861	ppbv	
60) o-Xylene	13.088	91	79805	0.335	ppbv	98
72) 4-Ethyltoluene	15.220	105	112667	0.414	ppbv #	97
73) 1,3,5-Trimethylbenzene	15.378	105	85650	0.344	ppbv	89
74) 1,2,4-Trimethylbenzene	16.130	105	308512m	1.105	ppbv	

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

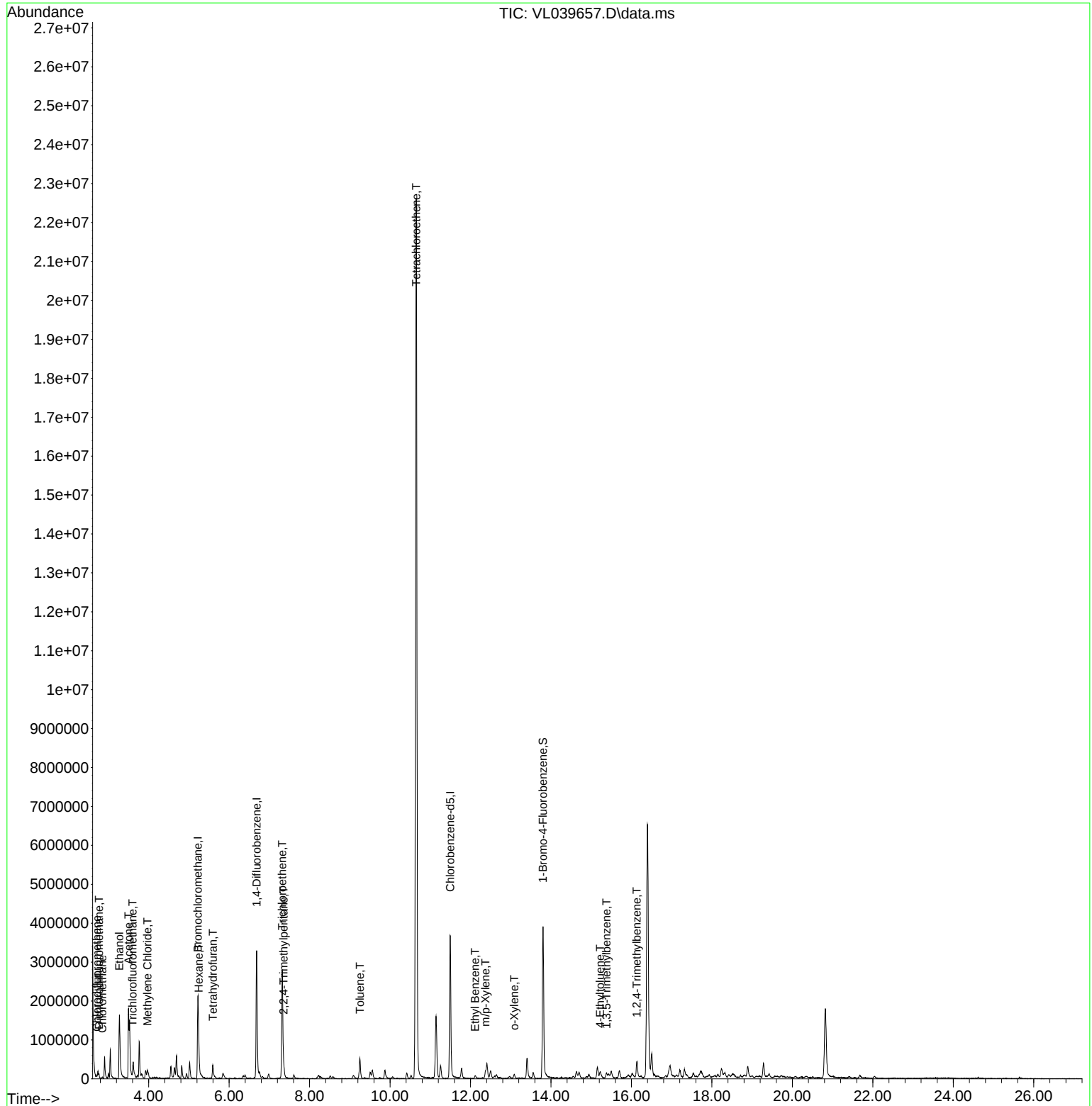
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
Data File : VL039657.D
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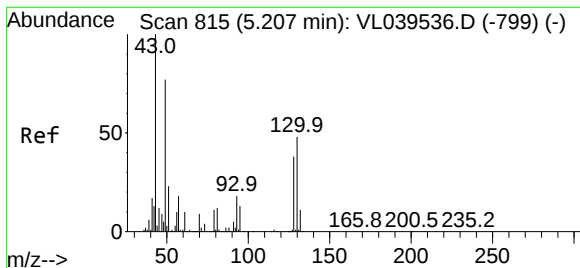
Instrument :
MSVOA_L
ClientSampleId :
C0PG1

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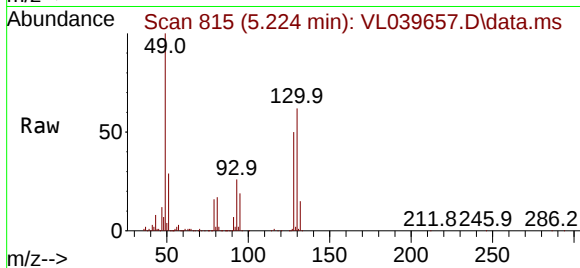
Quant Time: Sep 22 08:27:21 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.017 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

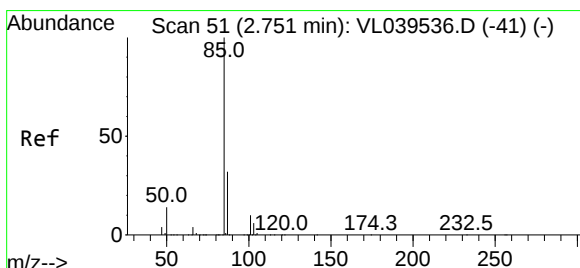
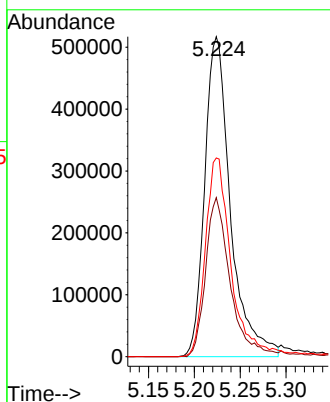
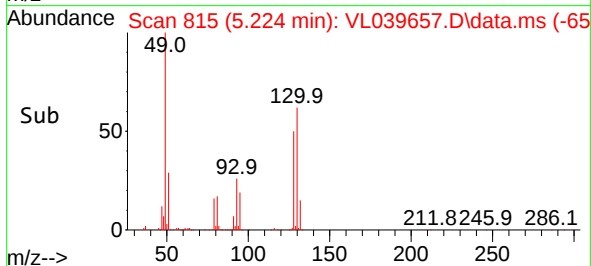
Instrument :
MSVOA_L
ClientSampleId :
C0PG1



Tgt Ion: 49 Resp: 1007009
Ion Ratio Lower Upper
49 100
128 48.7 26.7 80.0
130 64.3 34.3 102.8

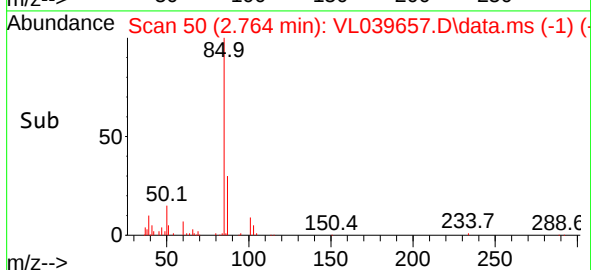
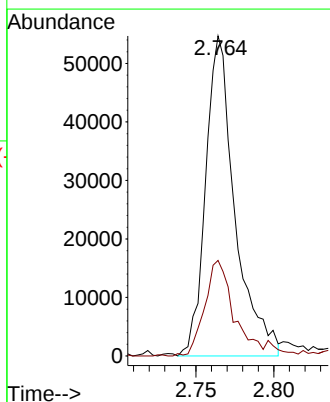
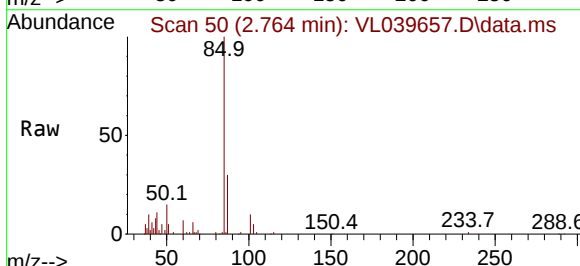
Manual Integrations
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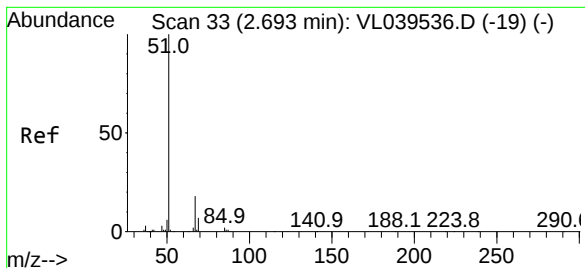
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#2
Dichlorodifluoromethane
Concen: 0.613 ppbv
RT: 2.764 min Scan# 50
Delta R.T. 0.013 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

Tgt Ion: 85 Resp: 71527
Ion Ratio Lower Upper
85 100
87 29.1 26.7 40.1





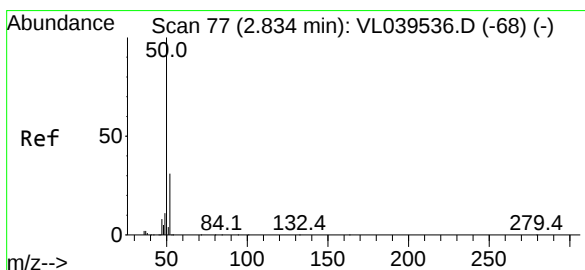
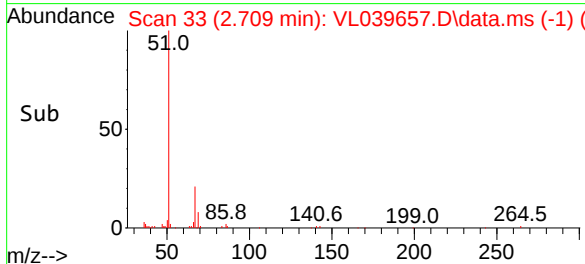
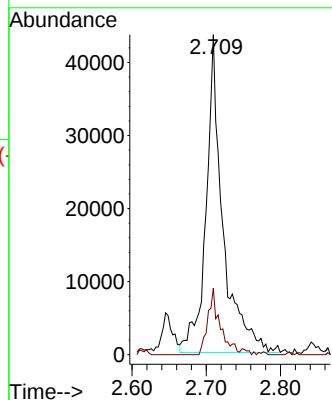
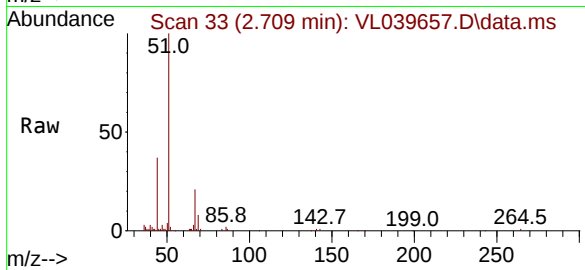
#3
Chlorodifluoromethane
Concen: 0.571 ppbv
RT: 2.709 min Scan# 31
Delta R.T. 0.017 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

Instrument :
MSVOA_L
ClientSampleId :
C0PG1

Tgt Ion: 51 Resp: 68280
Ion Ratio Lower Upper
51 100
67 16.4 15.7 23.5

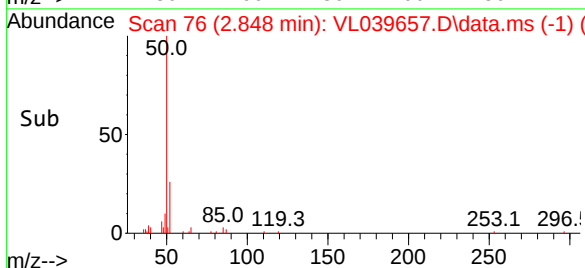
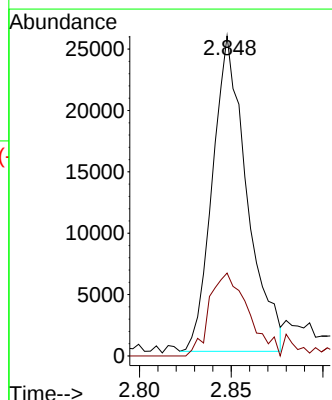
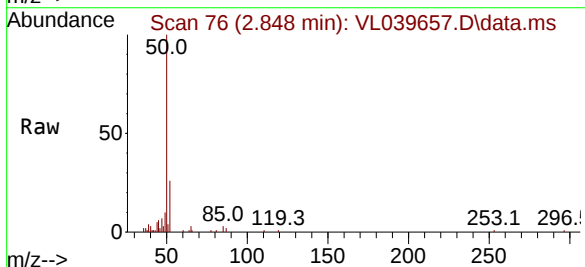
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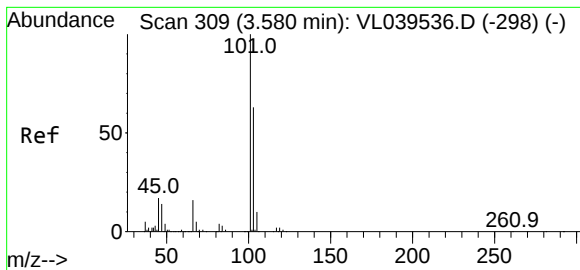
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#4
Chloromethane
Concen: 0.466 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.013 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

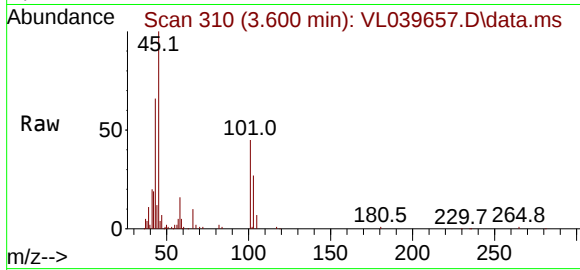
Tgt Ion: 50 Resp: 33617
Ion Ratio Lower Upper
50 100
52 25.3 26.5 39.7#





#11
Trichlorofluoromethane
Concen: 0.252 ppbv
RT: 3.600 min Scan# 310
Delta R.T. 0.020 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

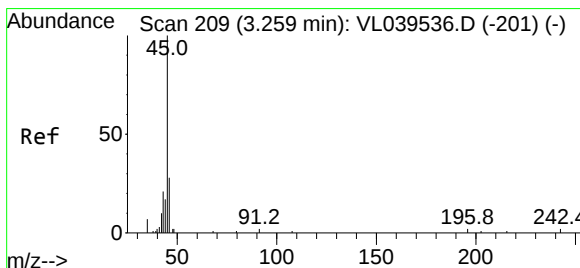
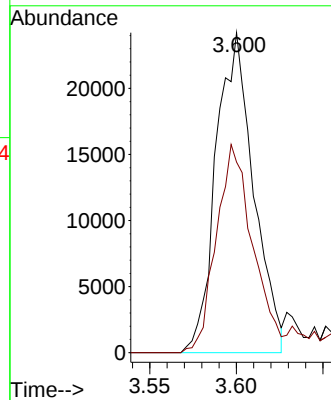
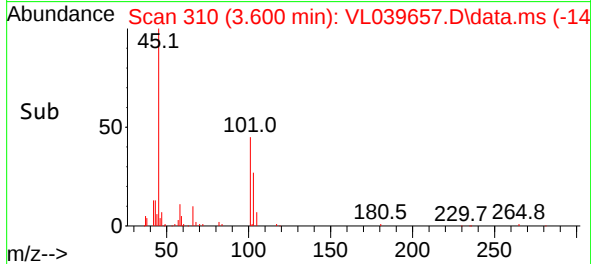
Instrument :
MSVOA_L
ClientSampleId :
C0PG1



Tgt Ion:101 Resp: 36459
Ion Ratio Lower Upper
101 100
103 59.5 51.8 77.8

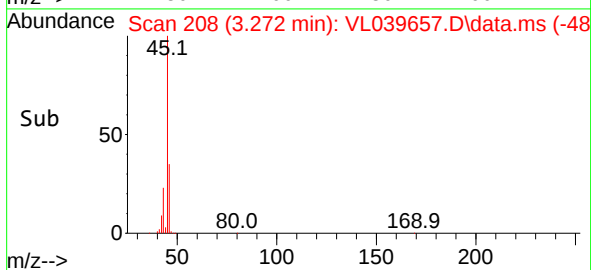
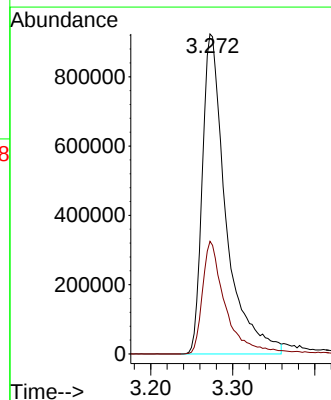
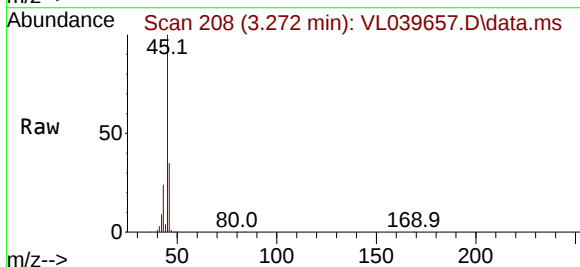
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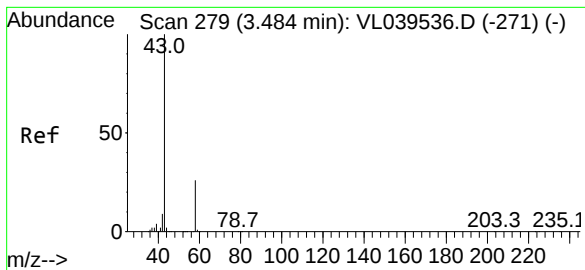
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#13
Ethanol
Concen: 444.780 ppbv
RT: 3.272 min Scan# 208
Delta R.T. 0.013 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

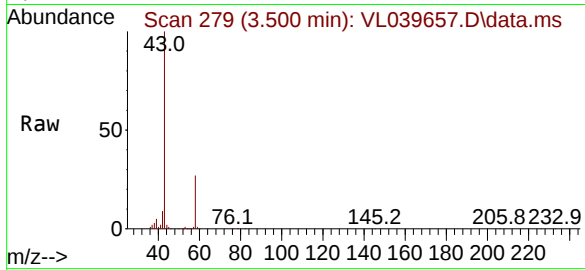
Tgt Ion: 45 Resp: 1849664
Ion Ratio Lower Upper
45 100
46 35.4 22.8 91.2





#15
Acetone
Concen: 21.051 ppbv
RT: 3.500 min Scan# 21
Delta R.T. 0.017 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

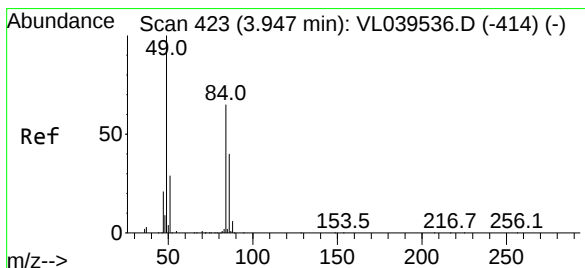
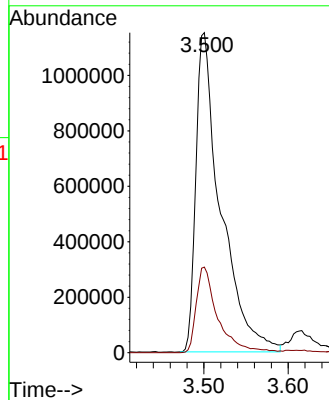
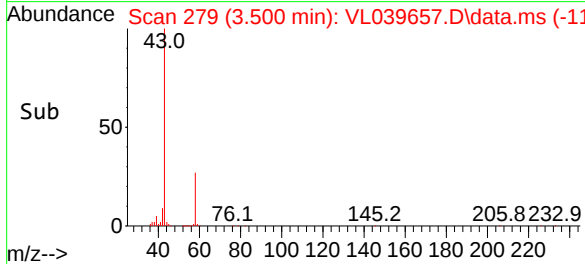
Instrument :
MSVOA_L
ClientSampleId :
C0PG1



Tgt Ion: 43 Resp: 235887
Ion Ratio Lower Upper
43 100
58 23.3 21.0 31.6

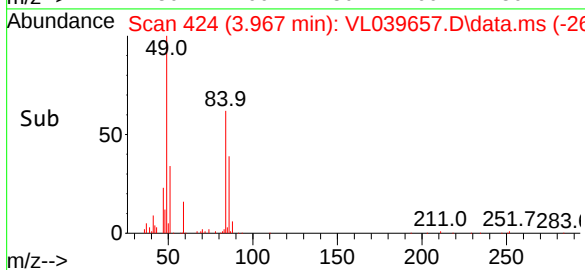
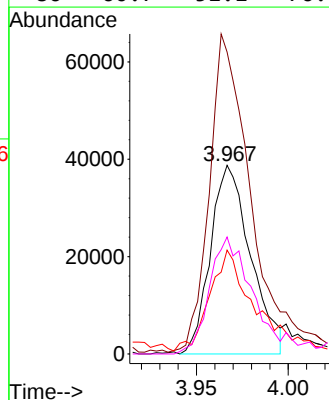
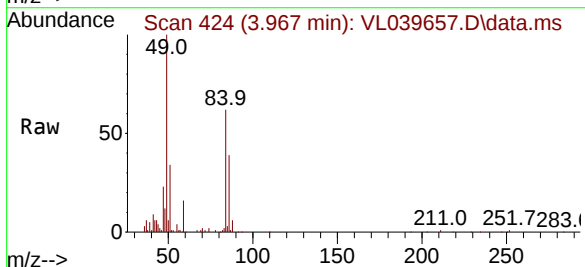
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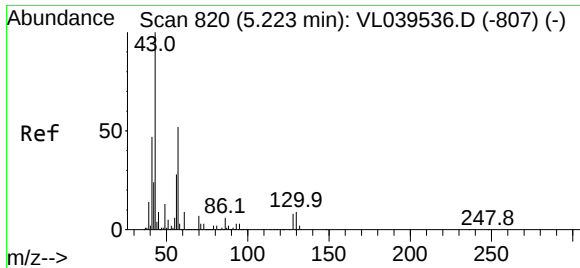
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#20
Methylene Chloride
Concen: 1.138 ppbv
RT: 3.967 min Scan# 424
Delta R.T. 0.020 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

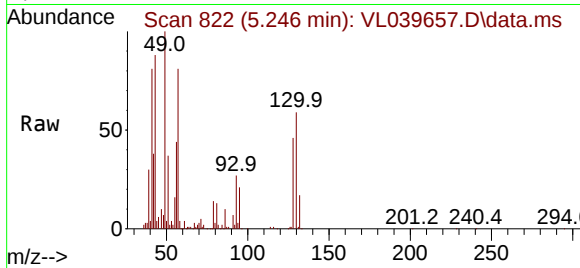
Tgt Ion: 84 Resp: 58975
Ion Ratio Lower Upper
84 100
49 154.4 123.1 184.7
51 49.4 34.4 51.6
86 60.7 51.1 76.7





#26
Hexane
Concen: 1.873 ppbv
RT: 5.246 min Scan# 81
Delta R.T. 0.023 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

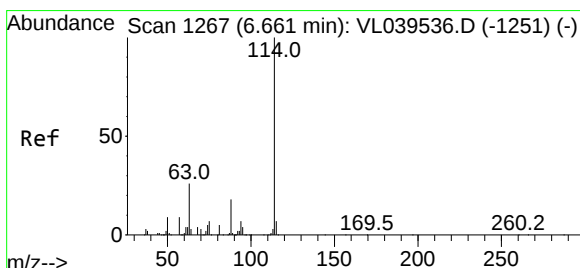
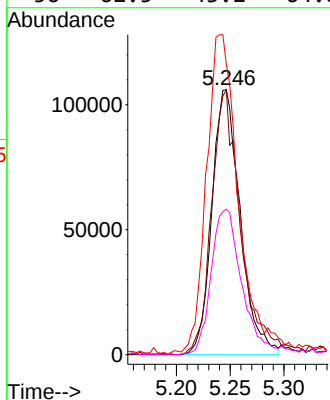
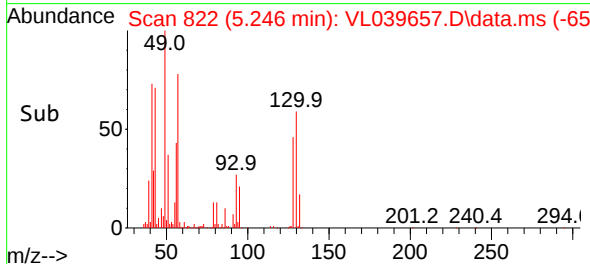
Instrument :
MSVOA_L
ClientSampleId :
C0PG1



Tgt Ion: 57 Resp: 194229
Ion Ratio Lower Upper
57 100
41 103.3 76.9 115.3
43 142.0 191.0 286.6
56 62.5 43.2 64.8

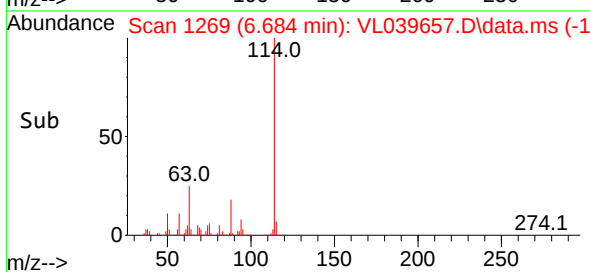
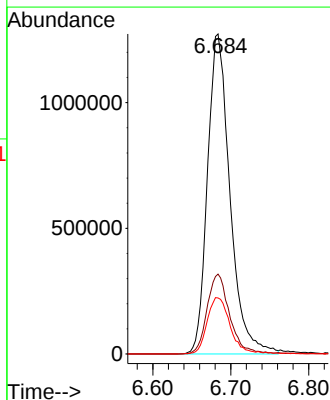
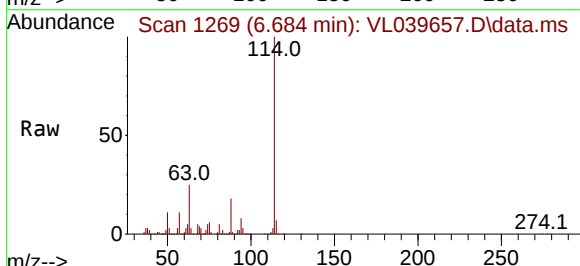
Manual Integrations
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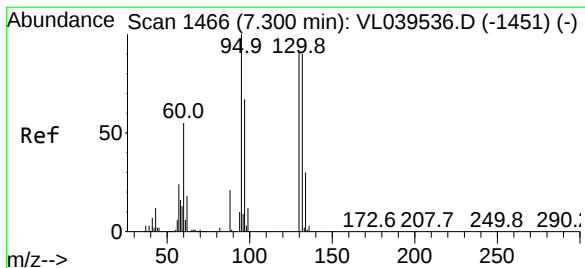
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.684 min Scan# 1269
Delta R.T. 0.023 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

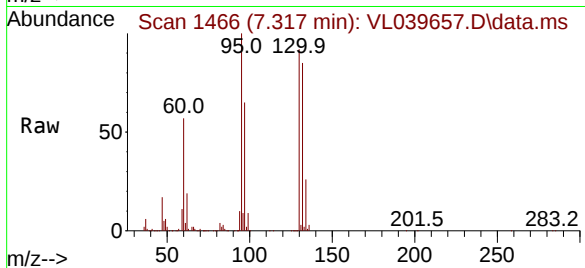
Tgt Ion:114 Resp: 2555303
Ion Ratio Lower Upper
114 100
63 25.4 20.2 30.4
88 18.3 14.5 21.7





#38
Trichloroethene
Concen: 8.594 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. 0.017 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

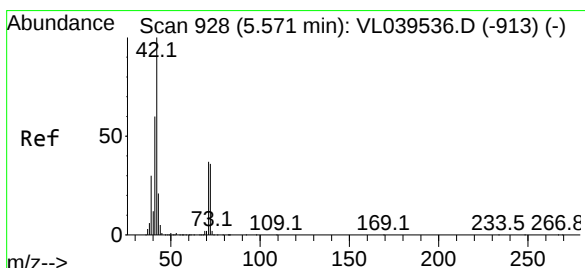
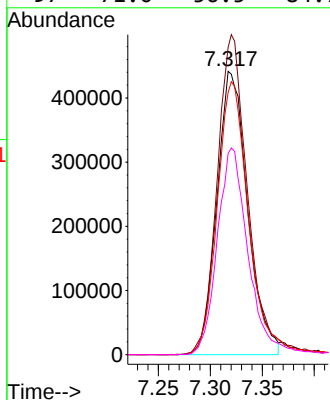
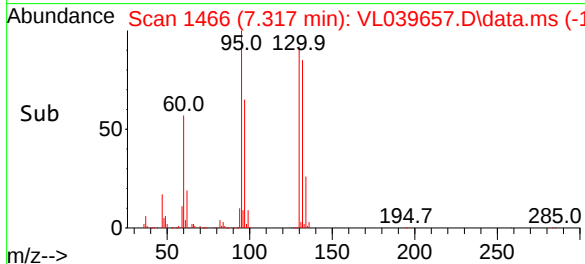
Instrument :
MSVOA_L
ClientSampleId :
C0PG1



Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.3	87.3	130.9
132	92.5	76.7	115.1
97	71.0	56.5	84.7

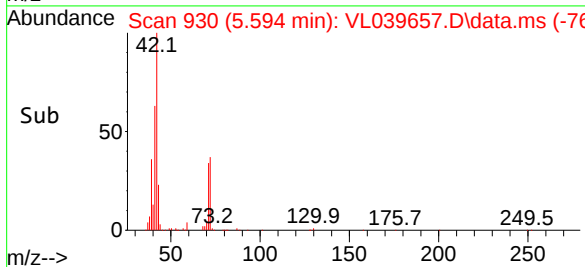
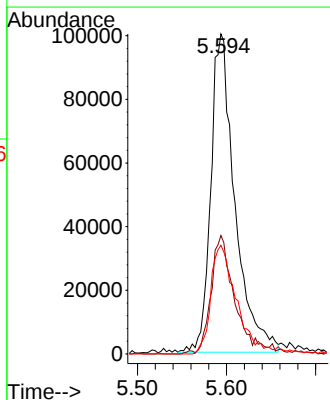
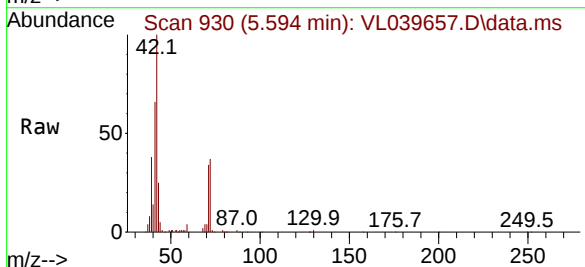
Manual Integrations
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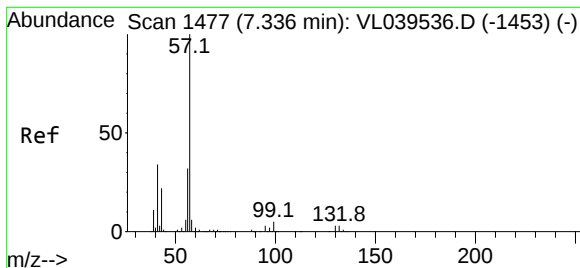
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#41
Tetrahydrofuran
Concen: 2.440 ppbv
RT: 5.594 min Scan# 930
Delta R.T. 0.023 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

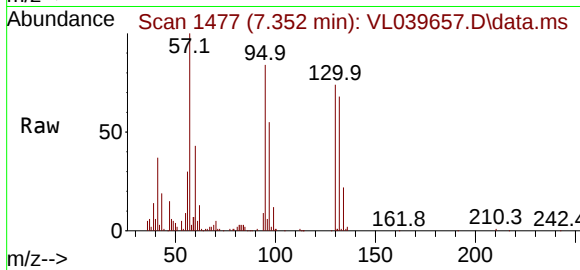
Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.0	31.8	47.8
71	37.7	31.8	47.8





#44
2,2,4-Trimethylpentane
Concen: 0.507 ppbv m
RT: 7.352 min Scan# 1477
Delta R.T. 0.017 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

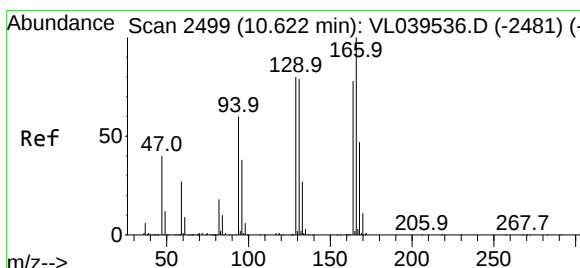
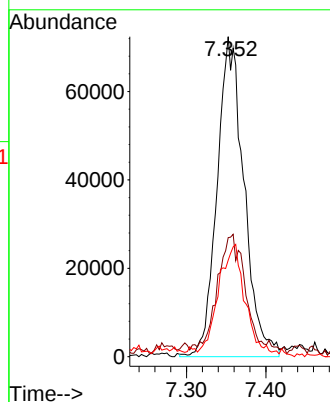
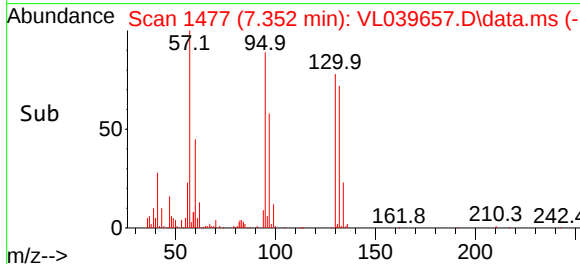
Instrument :
MSVOA_L
ClientSampleId :
C0PG1



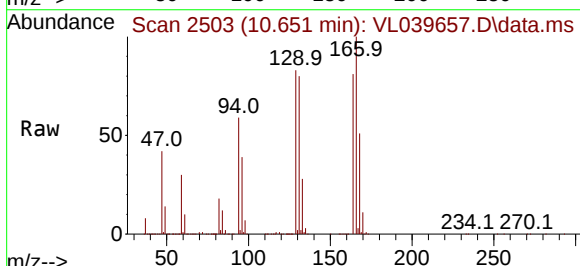
Tgt Ion: 57 Resp: 17061
Ion Ratio Lower Upper
57 100
41 42.4 27.4 41.2
56 37.2 24.5 36.7

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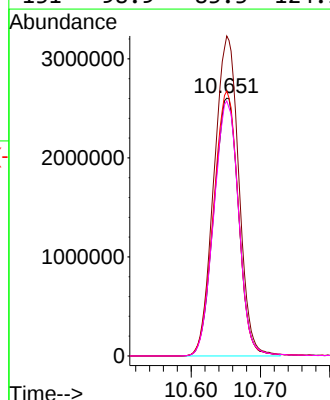
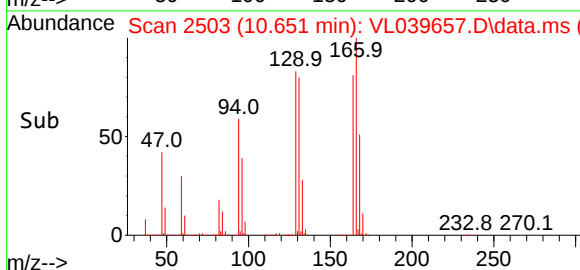
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

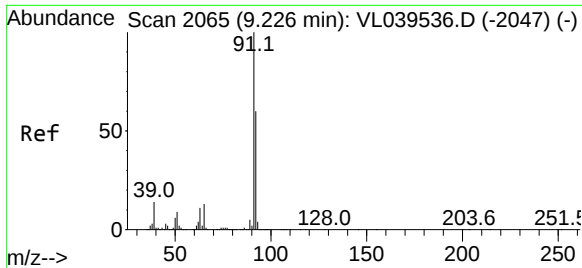


#52
Tetrachloroethene
Concen: 86.788 ppbv
RT: 10.651 min Scan# 2503
Delta R.T. 0.030 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34



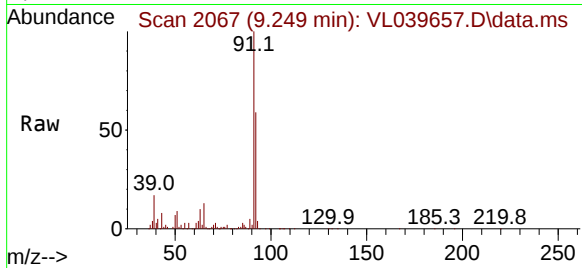
Tgt Ion:164 Resp: 6468467
Ion Ratio Lower Upper
164 100
166 124.1 102.2 153.2
129 102.8 85.8 128.8
131 98.9 83.3 124.9





#53
Toluene
Concen: 1.662 ppbv
RT: 9.249 min Scan# 2065
Delta R.T. 0.023 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

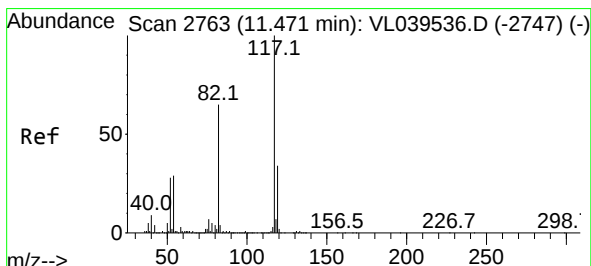
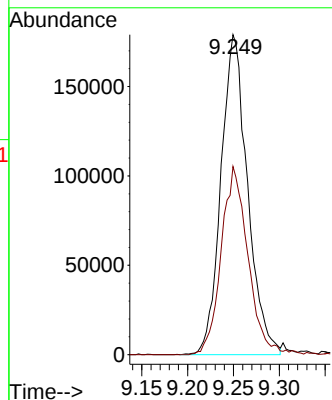
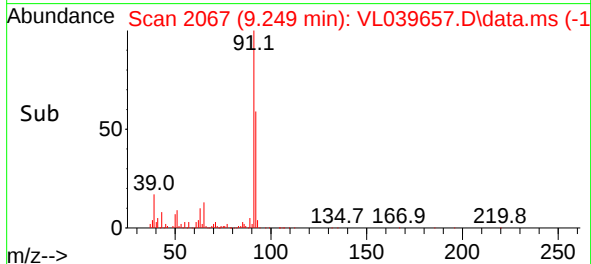
Instrument :
MSVOA_L
ClientSampleId :
C0PG1



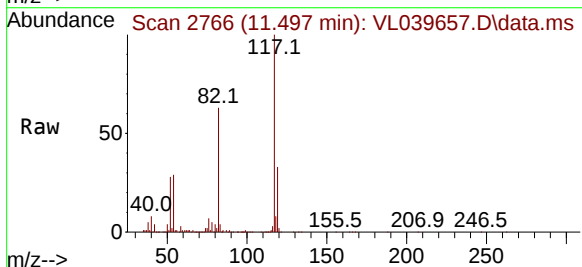
Tgt Ion: 91 Resp: 361010
Ion Ratio Lower Upper
91 100
92 59.9 48.2 72.2

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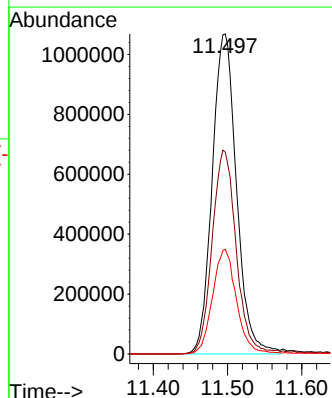
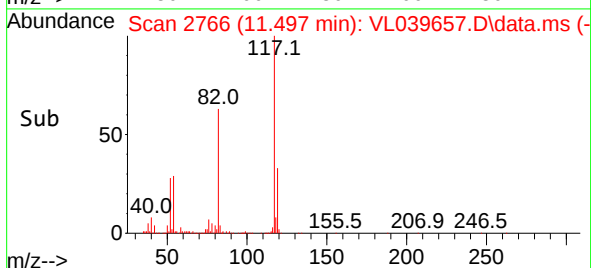
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

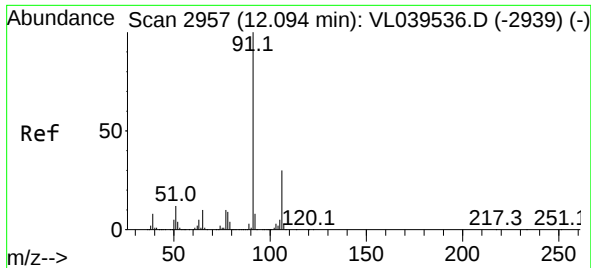


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.497 min Scan# 2766
Delta R.T. 0.026 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34



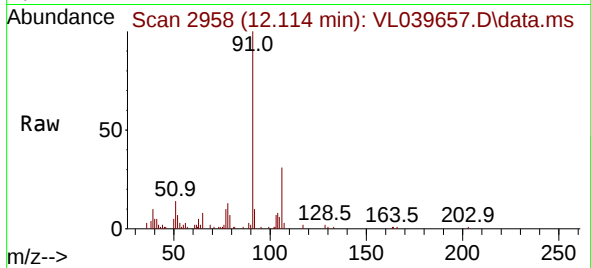
Tgt Ion:117 Resp: 2433337
Ion Ratio Lower Upper
117 100
82 63.7 50.8 76.2
119 32.4 24.1 36.1





#58
Ethyl Benzene
Concen: 0.194 ppbv m
RT: 12.114 min Scan# 2957
Delta R.T. 0.020 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

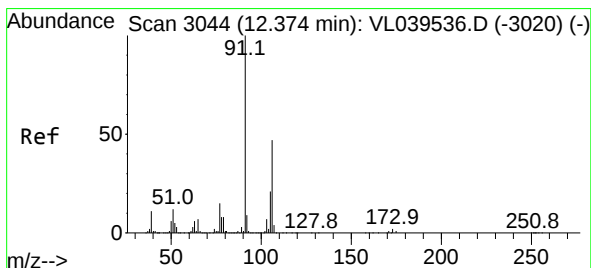
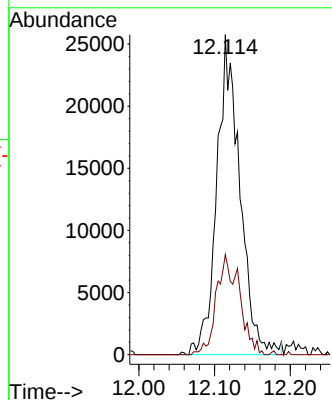
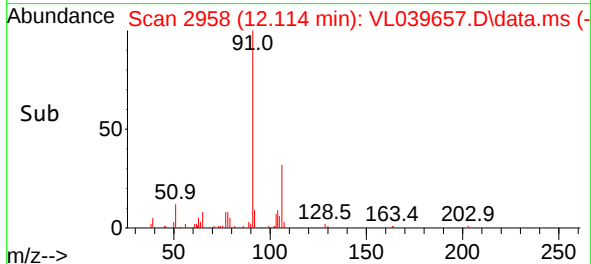
Instrument :
MSVOA_L
ClientSampleId :
C0PG1



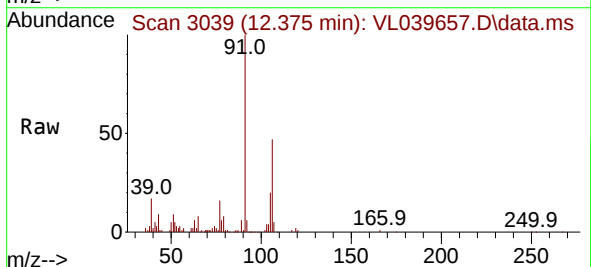
Tgt Ion: 91 Resp: 5451
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.0

Manual Integrations
APPROVED

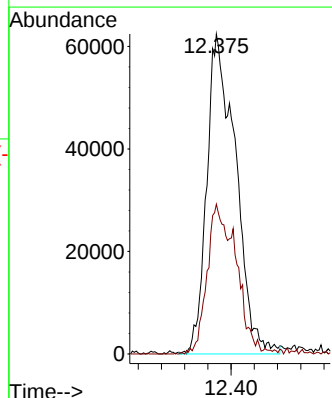
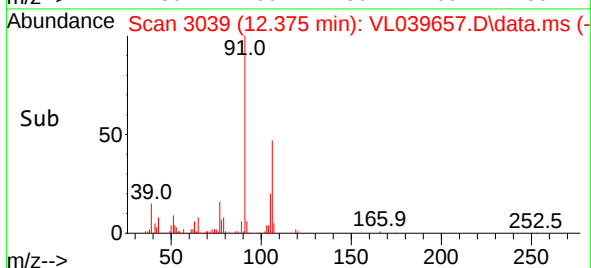
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

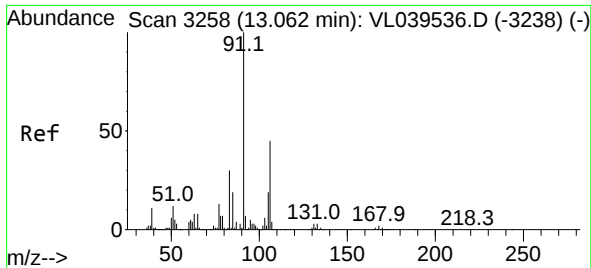


#59
m/p-Xylene
Concen: 0.861 ppbv m
RT: 12.375 min Scan# 3039
Delta R.T. 0.001 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34



Tgt Ion: 91 Resp: 214925
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#





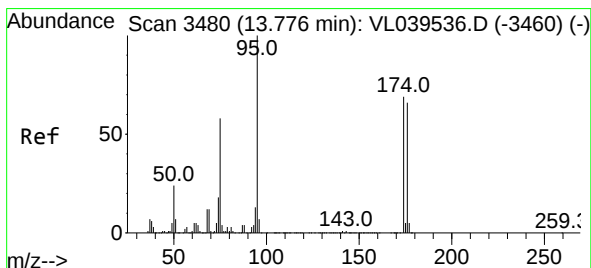
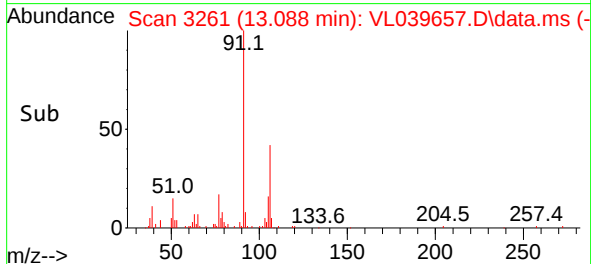
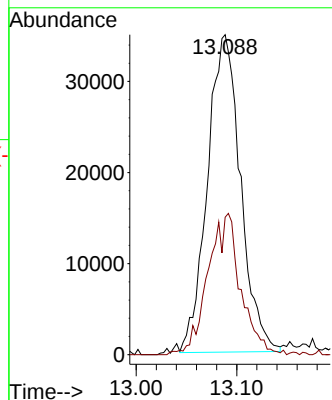
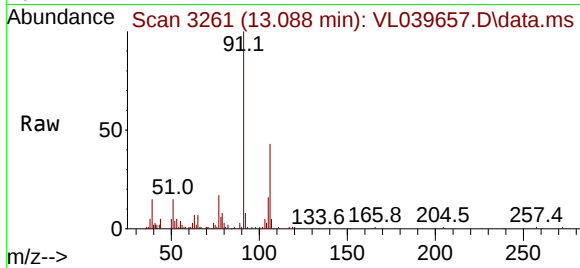
#60
o-Xylene
Concen: 0.335 ppbv
RT: 13.088 min Scan# 31
Delta R.T. 0.026 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

Instrument :
MSVOA_L
ClientSampleId :
C0PG1

Tgt Ion: 91 Resp: 7980
Ion Ratio Lower Upper
91 100
106 43.8 22.4 67.3

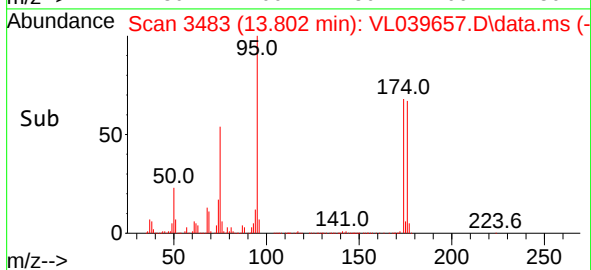
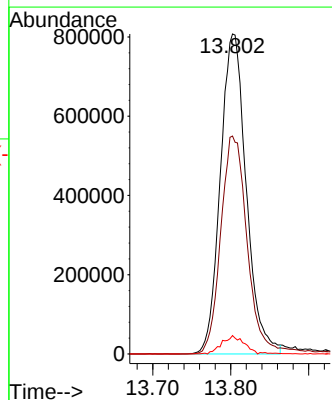
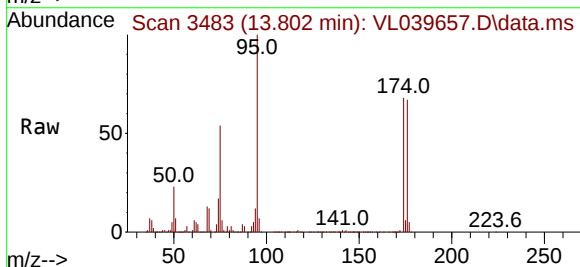
Manual Integrations
APPROVED

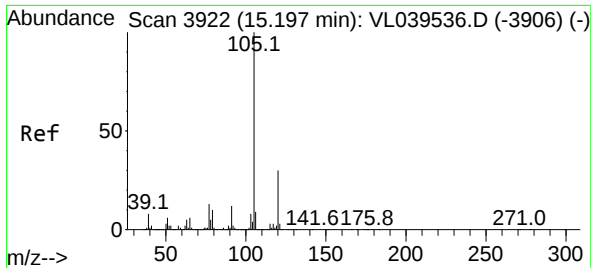
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.262 ppbv
RT: 13.802 min Scan# 3483
Delta R.T. 0.026 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

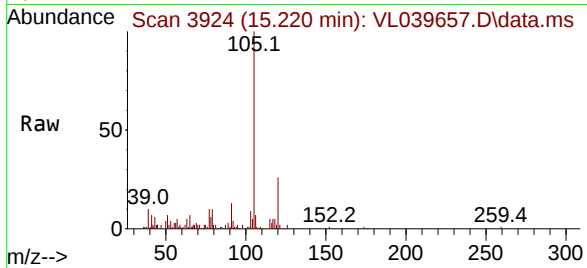
Tgt Ion: 95 Resp: 1864044
Ion Ratio Lower Upper
95 100
174 70.6 55.9 83.9
175 5.2 4.2 6.4





#72
4-Ethyltoluene
Concen: 0.414 ppbv
RT: 15.220 min Scan# 3922
Delta R.T. 0.023 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34

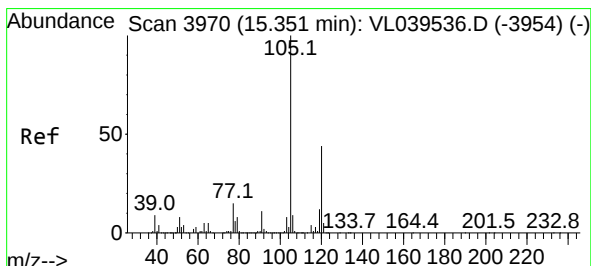
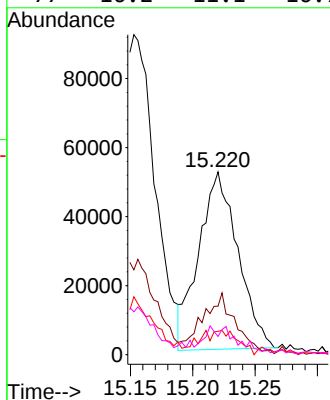
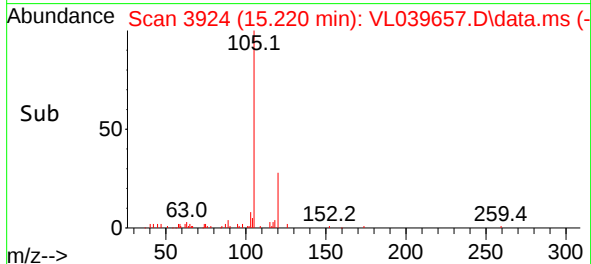
Instrument :
MSVOA_L
ClientSampleId :
C0PG1



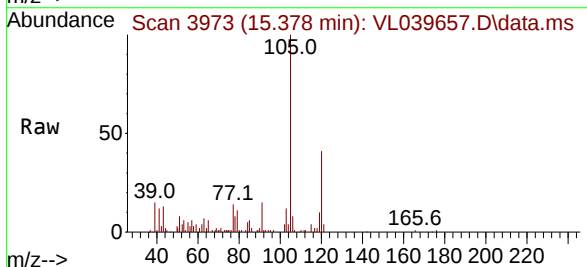
Tgt Ion:105 Resp: 11266
Ion Ratio Lower Upper
105 100
120 30.5 24.2 36.2
91 15.8 10.2 15.4
77 16.2 11.1 16.7

Manual Integrations
APPROVED

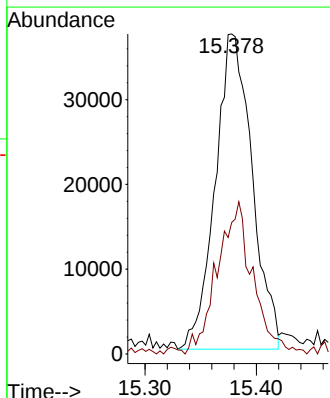
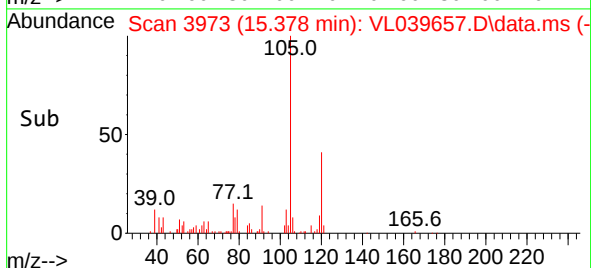
Reviewed By :Krupa Patel 09/28/2022
Supervised By :Mahesh Dadoda 09/28/2022

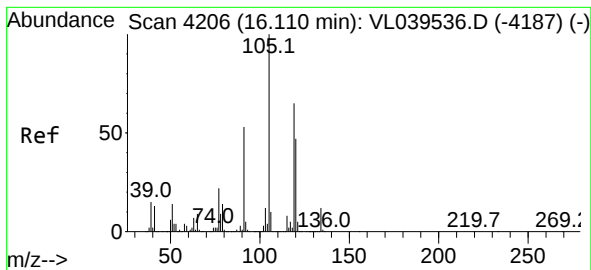


#73
1,3,5-Trimethylbenzene
Concen: 0.344 ppbv
RT: 15.378 min Scan# 3973
Delta R.T. 0.026 min
Lab File: VL039657.D
Acq: 22 Sep 2022 5:34



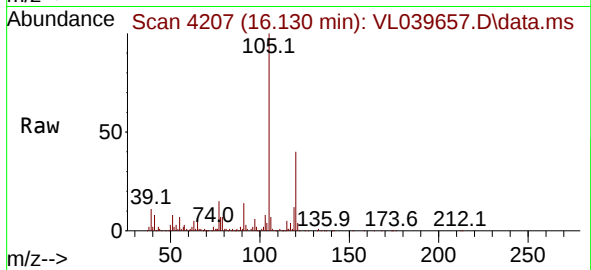
Tgt Ion:105 Resp: 85650
Ion Ratio Lower Upper
105 100
120 40.4 38.2 57.4





#74
 1,2,4-Trimethylbenzene
 Concen: 1.105 ppbv m
 RT: 16.130 min Scan# 41
 Delta R.T. 0.020 min
 Lab File: VL039657.D
 Acq: 22 Sep 2022 5:34

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG1



Tgt Ion:	105	Resp:	308512
Ion Ratio	Lower	Upper	
105	100		
120	40.2	39.5	59.3
91	13.5	39.2	58.8
77	14.7	17.2	25.8

Manual Integrations
 APPROVED

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

