

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
 Data File : VL039802.D
 Acq On : 26 Oct 2022 00:41
 Operator : SY/AP
 Sample : N5227-10
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 J

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2022
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 16:31:07 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Oct 24 20:00:55 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.205	49	838290	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2261995	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	1944458	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1386830	10.026	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.751	85	27216	0.310	ppbv	91
9) Propene	2.716	41	187500	4.334	ppbv	93
11) Trichlorofluoromethane	3.581	101	29379	0.240	ppbv	88
15) Acetone	3.491	43	687743	6.869	ppbv	98
19) Isopropyl Alcohol	3.613	45	31220m	0.665	ppbv	
20) Methylene Chloride	3.954	84	74245	1.949	ppbv	87
26) Hexane	5.227	57	74831	0.919	ppbv #	35
27) Carbon Disulfide	4.144	76	27816	0.288	ppbv #	75
34) 2-Butanone	4.819	43	62790	0.590	ppbv #	88
35) Carbon Tetrachloride	6.500	117	9181m	0.071	ppbv	
36) Benzene	6.378	78	72382m	0.416	ppbv	
53) Toluene	9.224	91	78001	0.427	ppbv	98
58) Ethyl Benzene	12.098	91	21739m	0.098	ppbv	
59) m/p-Xylene	12.355	91	61933m	0.310	ppbv	
60) o-Xylene	13.063	91	28201m	0.150	ppbv	
74) 1,2,4-Trimethylbenzene	16.121	105	62860m	0.287	ppbv	
75) 1,3-Dichlorobenzene	16.326	146	23372m	0.176	ppbv	

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

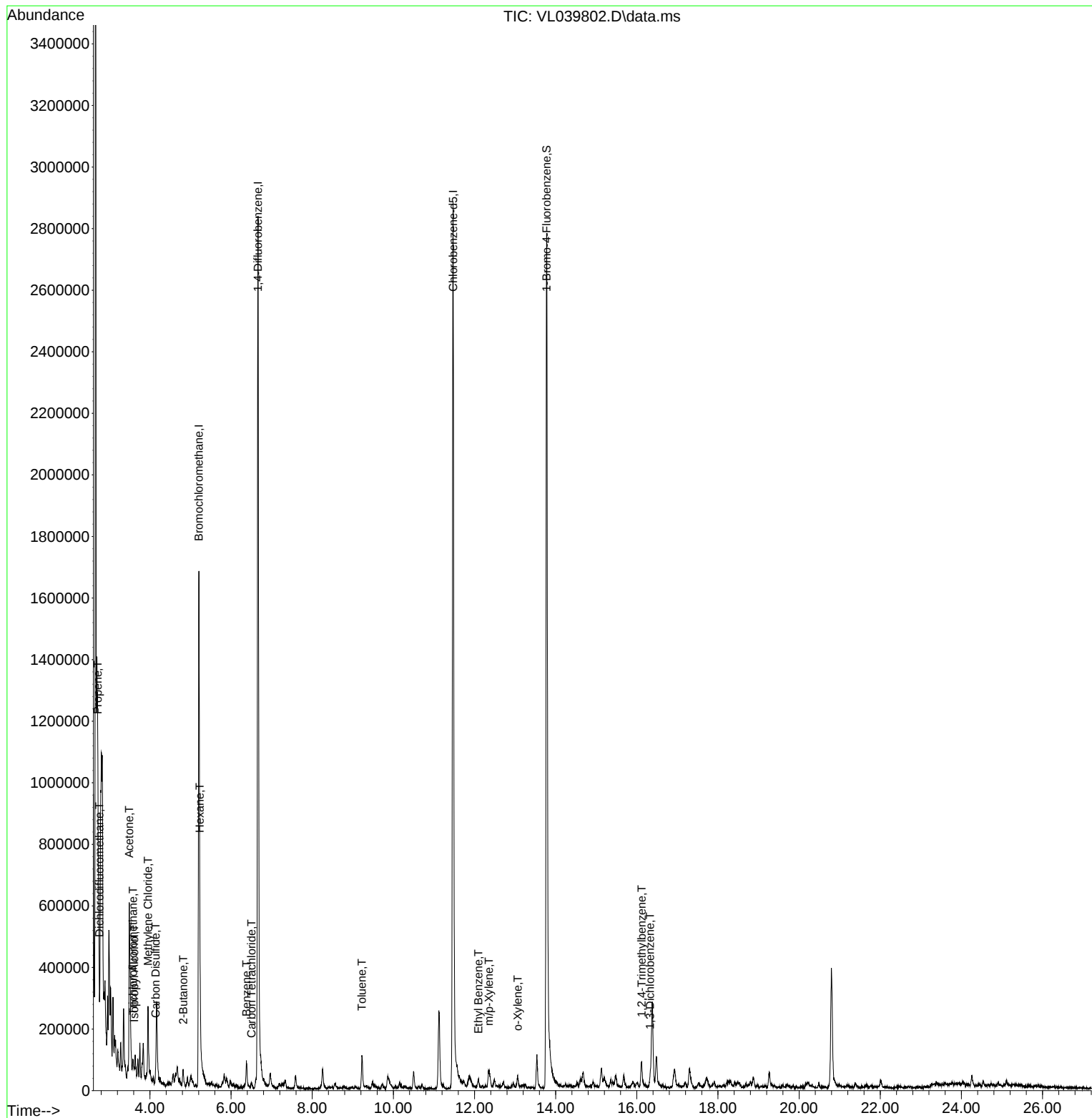
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039802.D
Acq On : 26 Oct 2022 00:41
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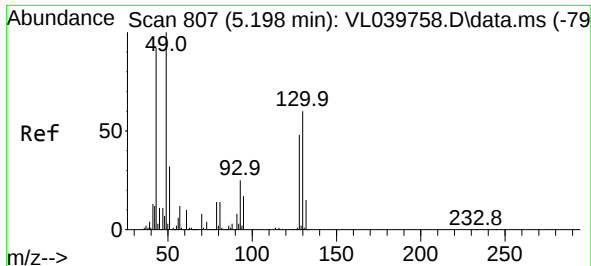
Instrument :
MSVOA_L
ClientSampleId :
J

Quant Time: Oct 27 16:31:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Oct 24 20:00:55 2022
Response via : Initial Calibration

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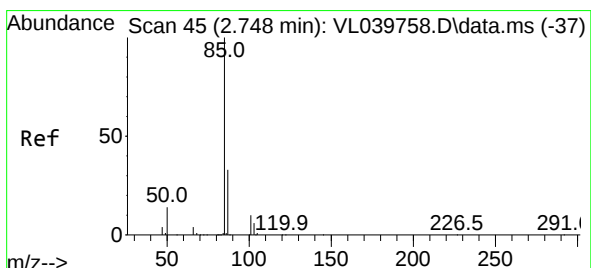
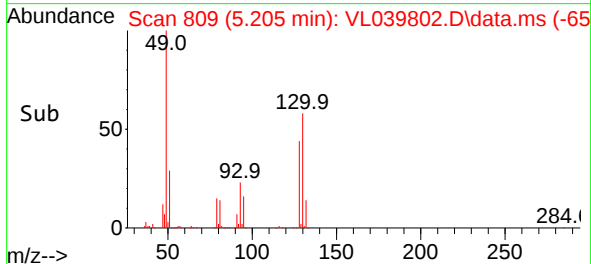
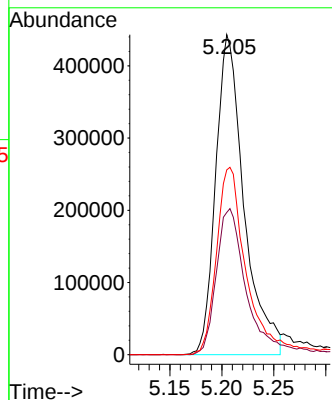
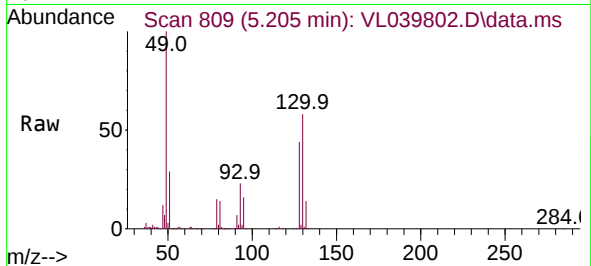
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL039802.D
Acq: 26 Oct 2022 00:41

Instrument :
MSVOA_L
ClientSampleId :
J

Tgt Ion: 49 Resp: 838290
Ion Ratio Lower Upper
49 100
128 50.8 24.6 74.0
130 65.2 31.8 95.3

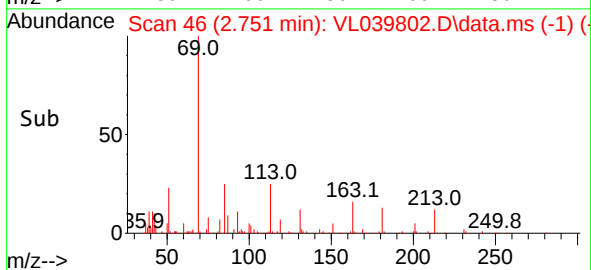
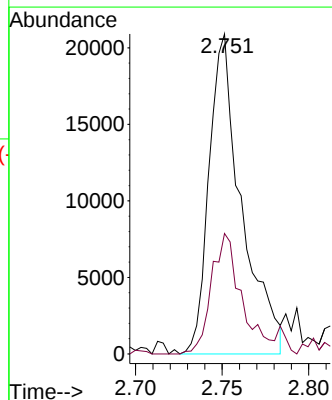
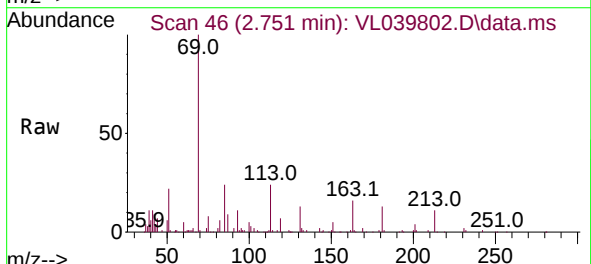
Manual Integrations
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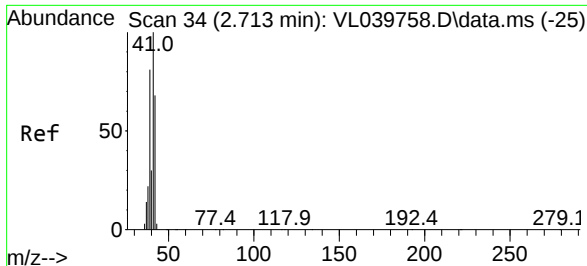
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#2
Dichlorodifluoromethane
Concen: 0.310 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.003 min
Lab File: VL039802.D
Acq: 26 Oct 2022 00:41

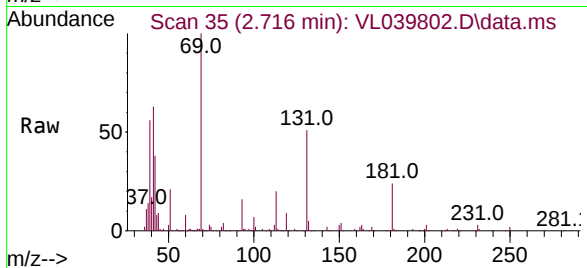
Tgt Ion: 85 Resp: 27216
Ion Ratio Lower Upper
85 100
87 37.6 26.1 39.1





#9
 Propene
 Concen: 4.334 ppbv
 RT: 2.716 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VL039802.D
 Acq: 26 Oct 2022 00:41

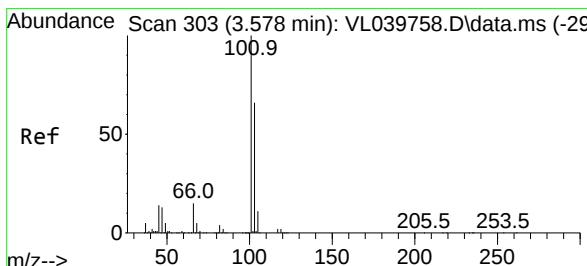
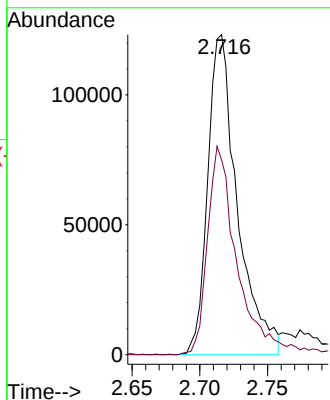
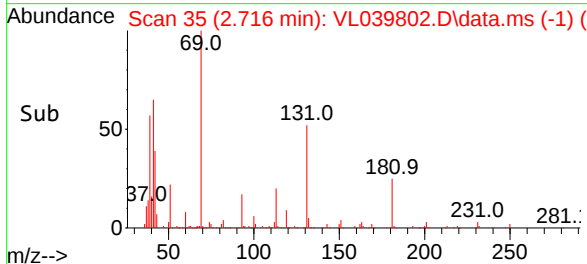
Instrument :
 MSVOA_L
 ClientSampleId :
 J



Tgt Ion: 41 Resp: 187500
 Ion Ratio Lower Upper
 41 100
 42 67.0 58.0 87.0

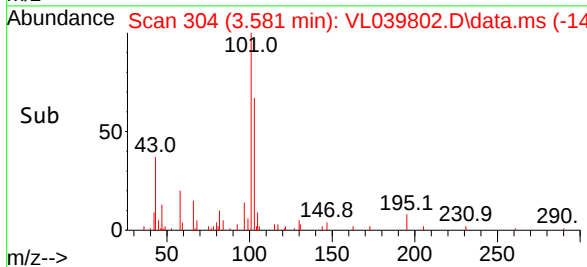
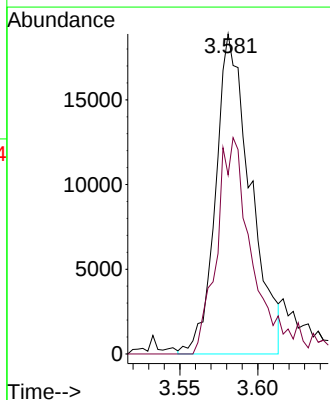
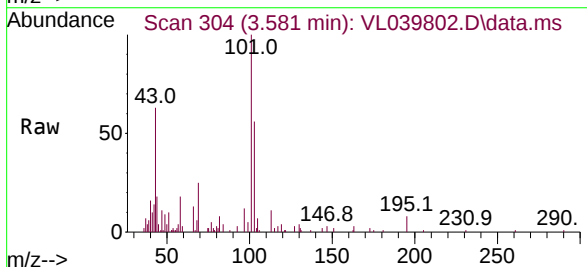
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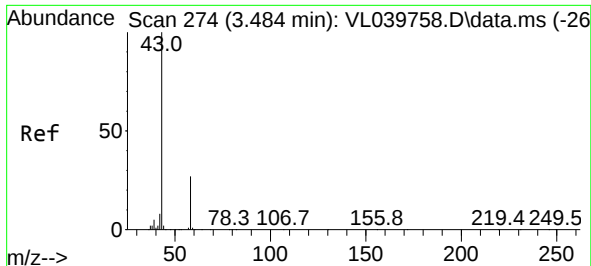
Reviewed By :Semsettin Yesilyurt 10/28/2022
 Supervised By :Mahesh Dadoda 10/31/2022



#11
 Trichlorofluoromethane
 Concen: 0.240 ppbv
 RT: 3.581 min Scan# 304
 Delta R.T. 0.003 min
 Lab File: VL039802.D
 Acq: 26 Oct 2022 00:41

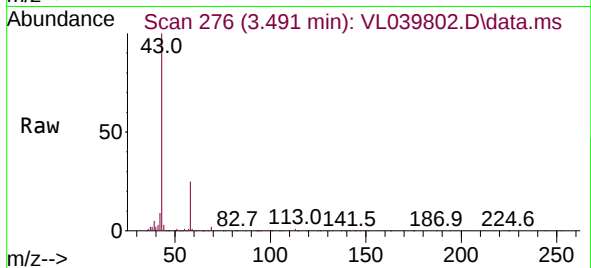
Tgt Ion:101 Resp: 29379
 Ion Ratio Lower Upper
 101 100
 103 56.5 52.7 79.1





#15
Acetone
Concen: 6.869 ppbv
RT: 3.491 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL039802.D
Acq: 26 Oct 2022 00:41

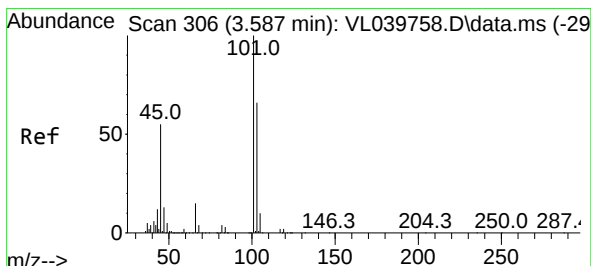
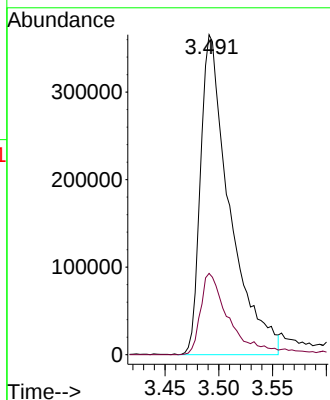
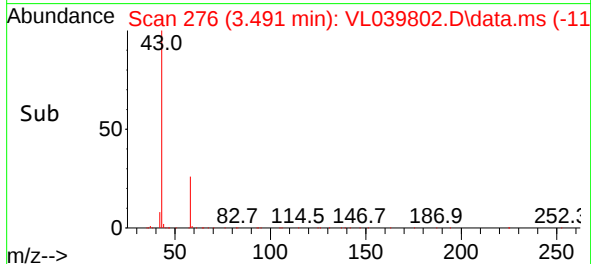
Instrument :
MSVOA_L
ClientSampleId :
J



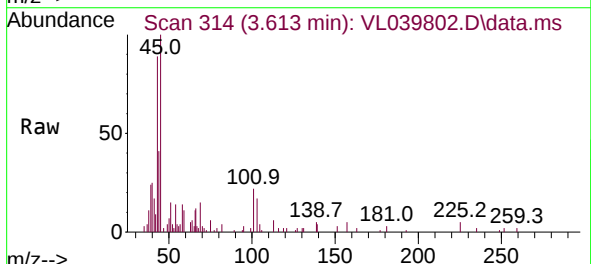
Tgt Ion: 43 Resp: 68774
Ion Ratio Lower Upper
43 100
58 26.8 20.7 31.1

Manual Integrations
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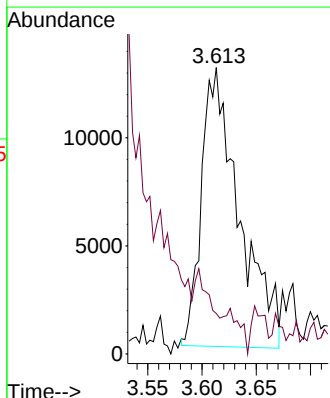
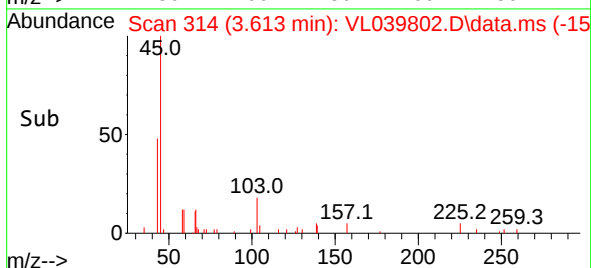
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

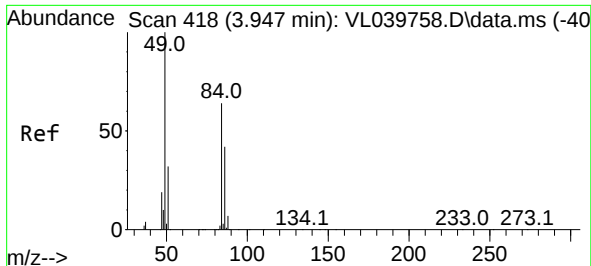


#19
Isopropyl Alcohol
Concen: 0.665 ppbv m
RT: 3.613 min Scan# 314
Delta R.T. 0.026 min
Lab File: VL039802.D
Acq: 26 Oct 2022 00:41



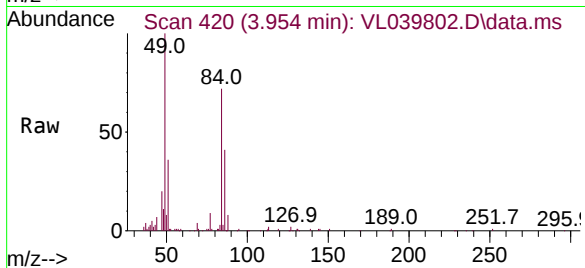
Tgt Ion: 45 Resp: 31220
Ion Ratio Lower Upper
45 100
58 0.0 2.8 4.2#





#20
Methylene Chloride
Concen: 1.949 ppbv
RT: 3.954 min Scan# 418
Delta R.T. 0.006 min
Lab File: VL039802.D
Acq: 26 Oct 2022 00:41

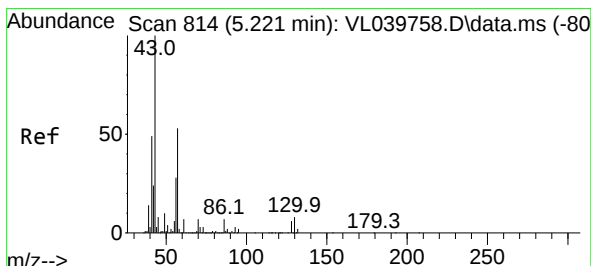
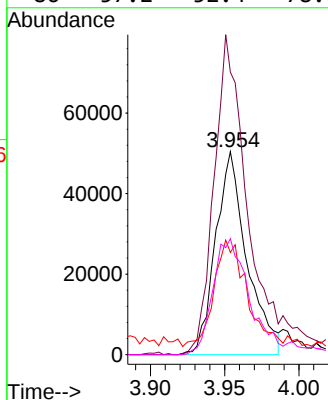
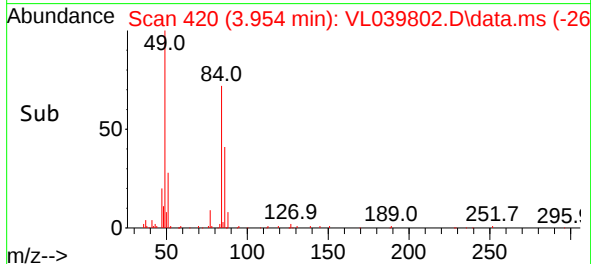
Instrument :
MSVOA_L
ClientSampleId :
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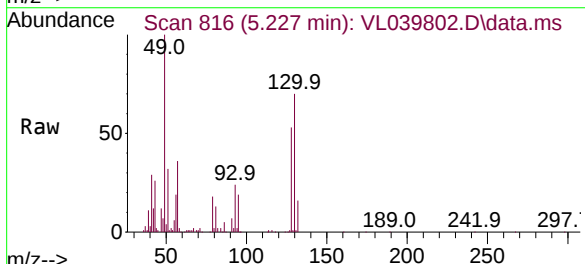
Tgt Ion: 84 Resp: 74249
Ion Ratio Lower Upper
84 100
49 139.2 126.0 189.0
51 42.7 40.9 61.3
86 57.2 52.4 78.6

Manual Integrations
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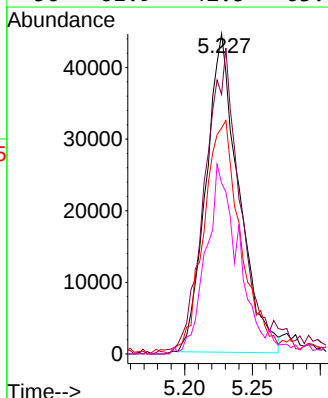
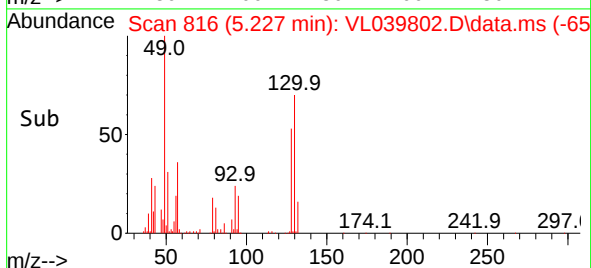
Reviewed By :Semsettin Yesilyurt 10/28/2022
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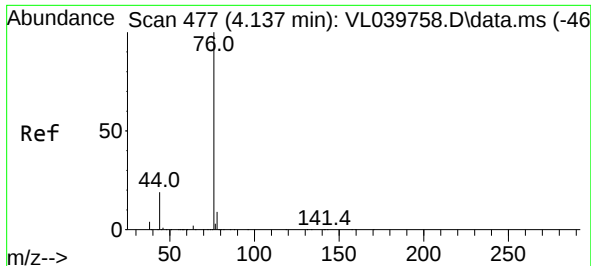


#26
Hexane
Concen: 0.919 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.006 min
Lab File: VL039802.D
Acq: 26 Oct 2022 00:41



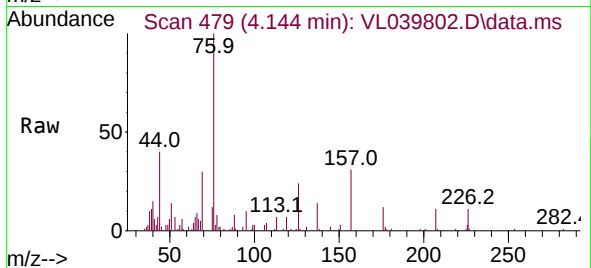
Tgt Ion: 57 Resp: 74831
Ion Ratio Lower Upper
57 100
41 111.1 76.1 114.1
43 81.1 197.1 295.7#
56 61.9 42.5 63.7





#27
Carbon Disulfide
Concen: 0.288 ppbv
RT: 4.144 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL039802.D
Acq: 26 Oct 2022 00:41

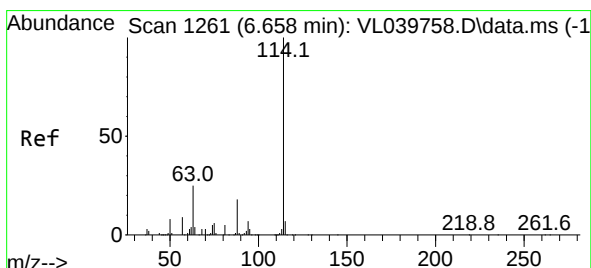
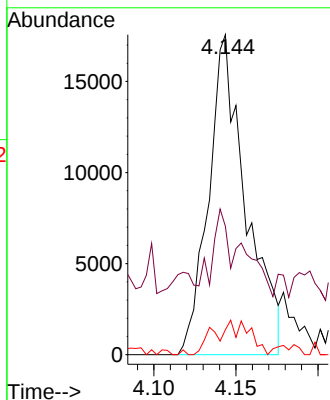
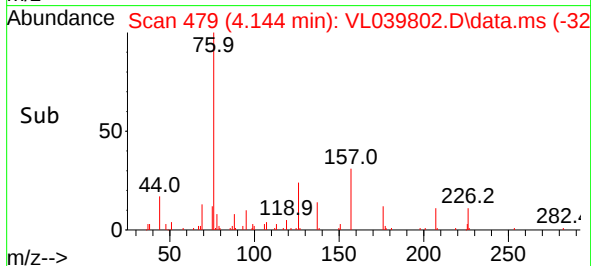
Instrument :
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ClientSampleId :
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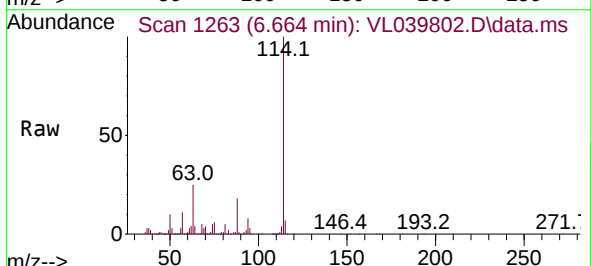
Tgt Ion: 76 Resp: 27810
Ion Ratio Lower Upper
76 100
44 36.1 16.6 25.0
78 12.2 7.6 11.4

Manual Integrations
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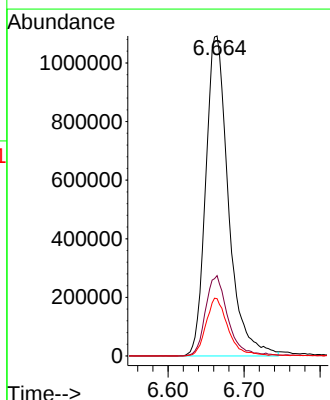
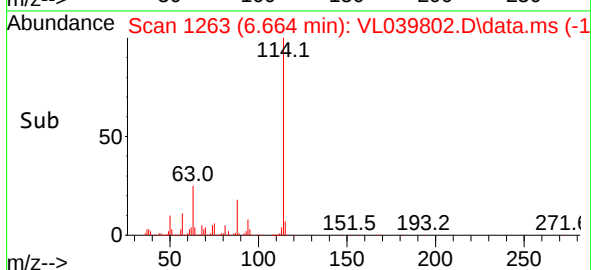
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Supervised By :Mahesh Dadoda 10/31/2022

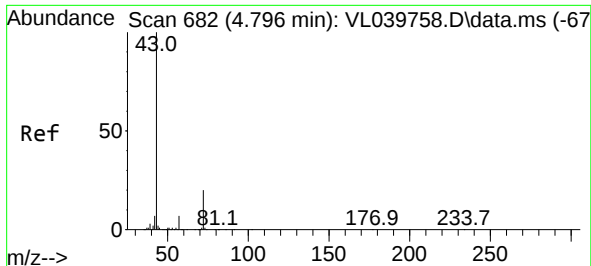


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VL039802.D
Acq: 26 Oct 2022 00:41



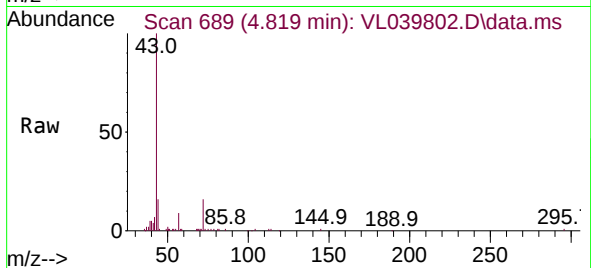
Tgt Ion:114 Resp: 2261995
Ion Ratio Lower Upper
114 100
63 25.3 20.1 30.1
88 17.9 14.5 21.7





#34
2-Butanone
Concen: 0.590 ppbv
RT: 4.819 min Scan# 682
Delta R.T. 0.022 min
Lab File: VL039802.D
Acq: 26 Oct 2022 00:41

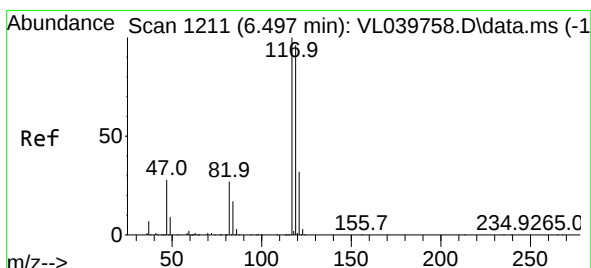
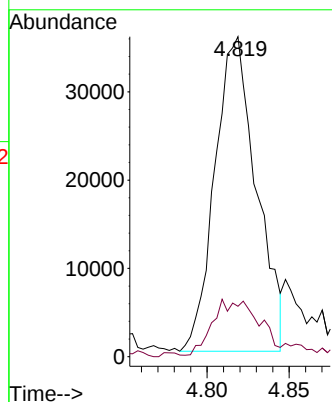
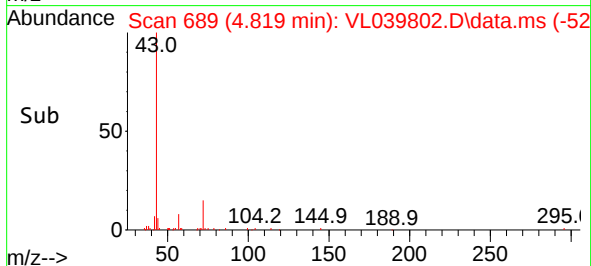
Instrument :
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ClientSampleId :
J



Tgt Ion: 43 Resp: 62790
Ion Ratio Lower Upper
43 100
72 26.3 16.5 24.7

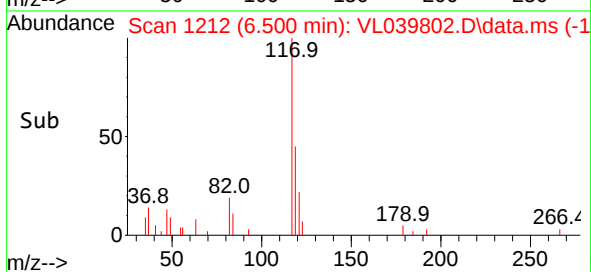
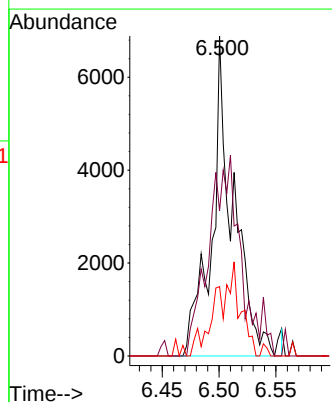
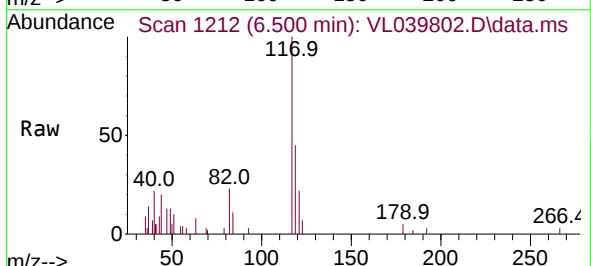
Manual Integrations
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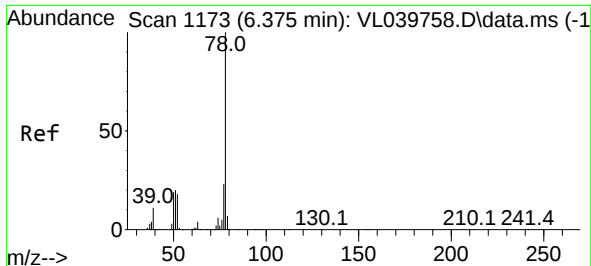
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#35
Carbon Tetrachloride
Concen: 0.071 ppbv m
RT: 6.500 min Scan# 1212
Delta R.T. 0.003 min
Lab File: VL039802.D
Acq: 26 Oct 2022 00:41

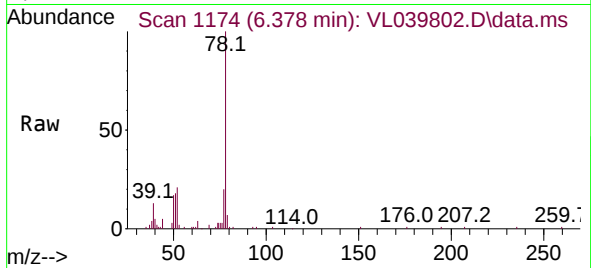
Tgt Ion:117 Resp: 9181
Ion Ratio Lower Upper
117 100
119 45.4 76.6 115.0#
121 21.6 25.3 37.9#





#36
Benzene
Concen: 0.416 ppbv m
RT: 6.378 min Scan# 1173
Delta R.T. 0.003 min
Lab File: VL039802.D
Acq: 26 Oct 2022 00:41

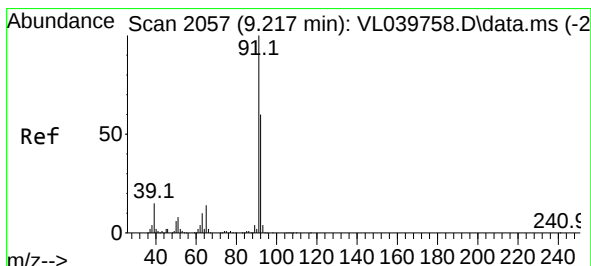
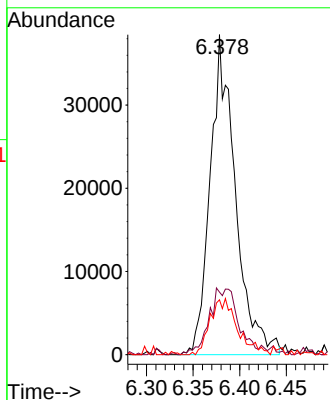
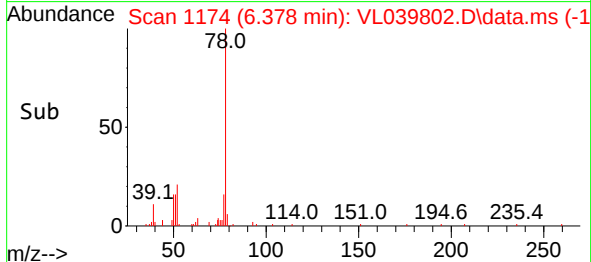
Instrument :
MSVOA_L
ClientSampleId :
J



Tgt Ion: 78 Resp: 7238
Ion Ratio Lower Upper
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77 19.5 18.3 27.5
50 17.2 15.2 22.8

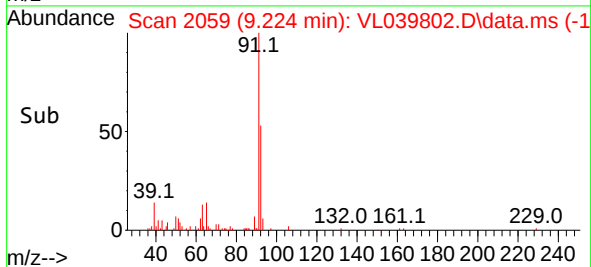
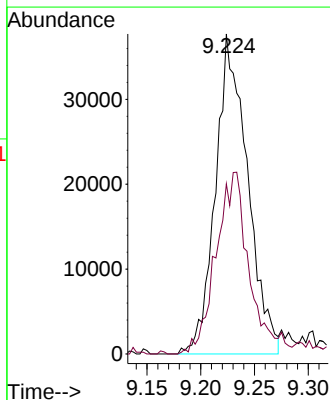
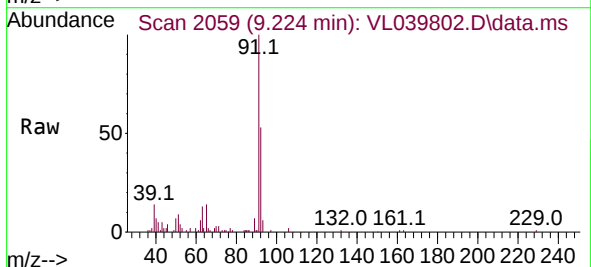
Manual Integrations
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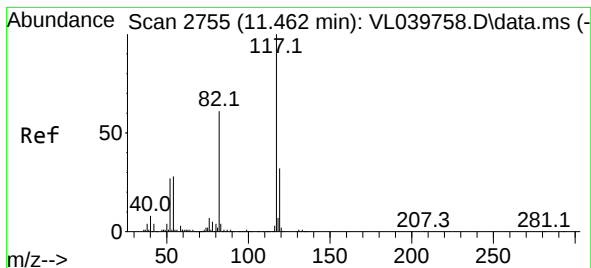
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#53
Toluene
Concen: 0.427 ppbv
RT: 9.224 min Scan# 2059
Delta R.T. 0.007 min
Lab File: VL039802.D
Acq: 26 Oct 2022 00:41

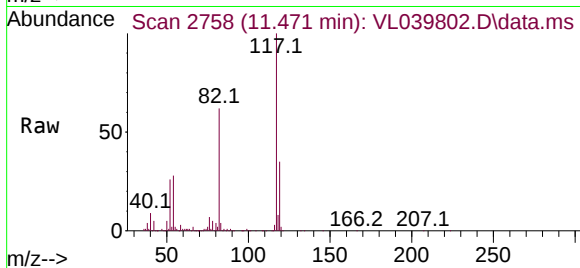
Tgt Ion: 91 Resp: 78001
Ion Ratio Lower Upper
91 100
92 61.2 48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL039802.D
Acq: 26 Oct 2022 00:41

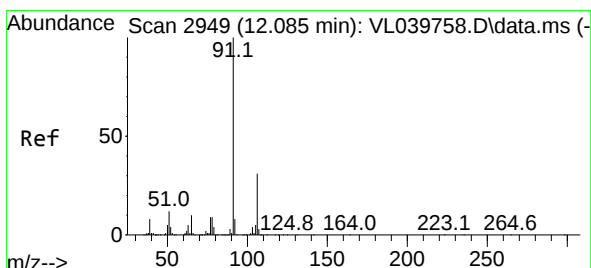
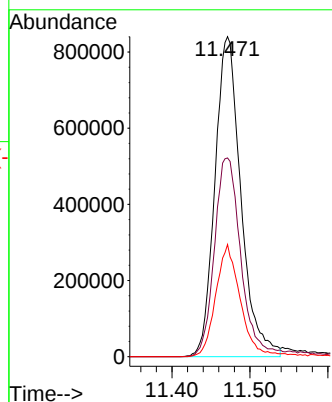
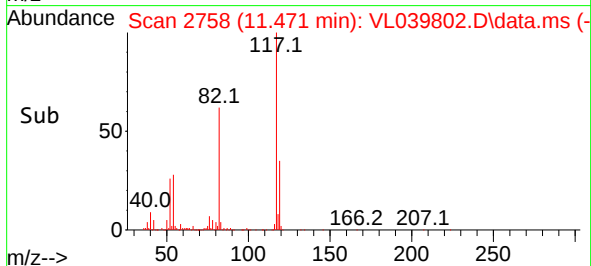
Instrument :
MSVOA_L
ClientSampleId :
J



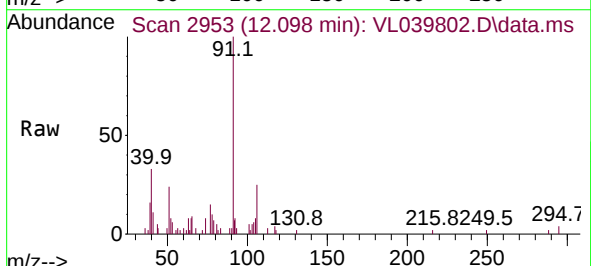
Tgt Ion:117 Resp: 1944458
Ion Ratio Lower Upper
117 100
82 66.2 49.9 74.9
119 33.3 25.2 37.8

Manual Integrations
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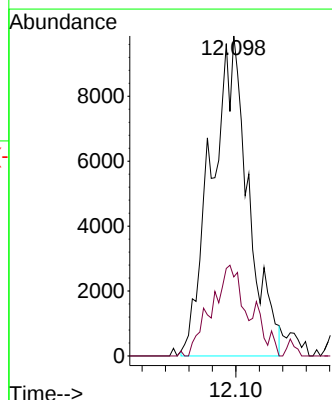
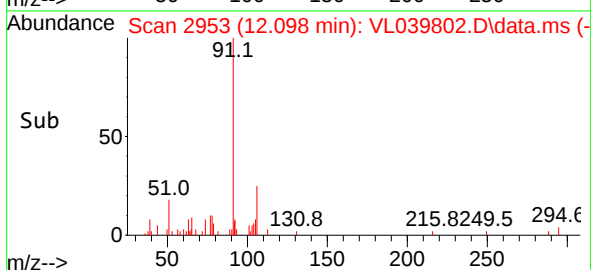
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

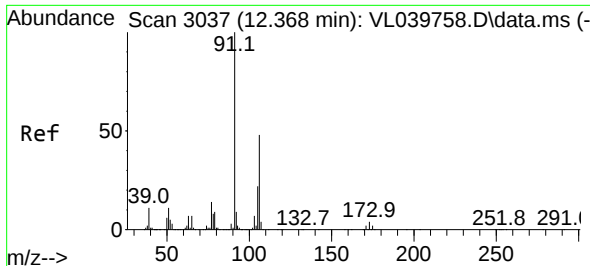


#58
Ethyl Benzene
Concen: 0.098 ppbv m
RT: 12.098 min Scan# 2953
Delta R.T. 0.013 min
Lab File: VL039802.D
Acq: 26 Oct 2022 00:41



Tgt Ion: 91 Resp: 21739
Ion Ratio Lower Upper
91 100
106 24.7 24.6 36.8





#59

m/p-Xylene

Concen: 0.310 ppbv m

RT: 12.355 min Scan# 3033

Delta R.T. -0.013 min

Lab File: VL039802.D

Acq: 26 Oct 2022 00:41

Instrument :

MSVOA_L

ClientSampleId :

J

Tgt Ion: 91 Resp: 6193

Ion Ratio Lower Upper

91 100

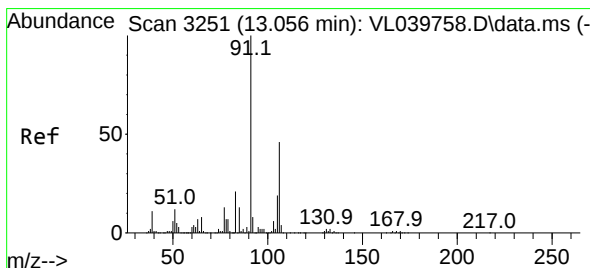
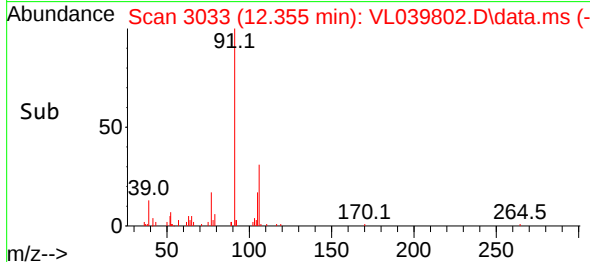
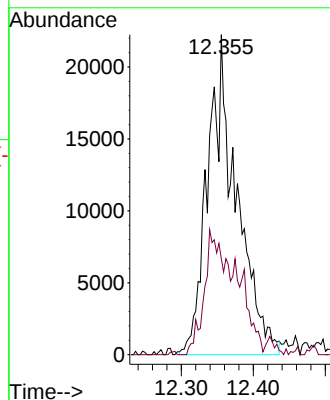
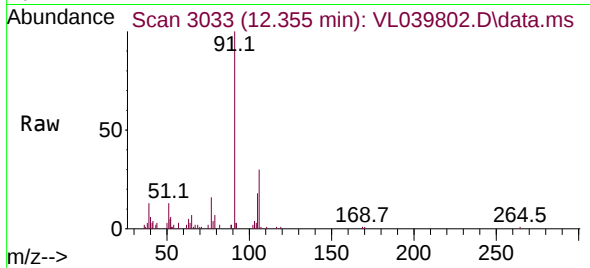
106 0.0 36.4 54.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2022

Supervised By :Mahesh Dadoda 10/31/2022



#60

o-Xylene

Concen: 0.150 ppbv m

RT: 13.063 min Scan# 3253

Delta R.T. 0.006 min

Lab File: VL039802.D

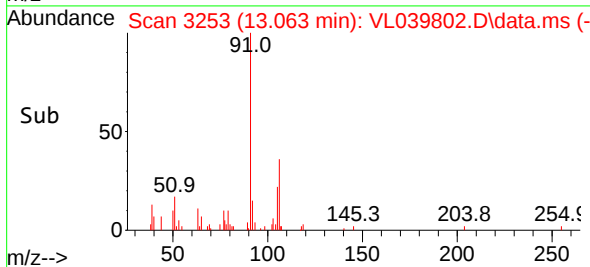
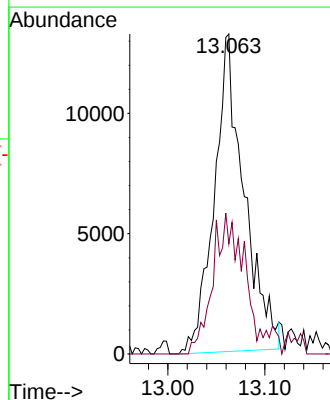
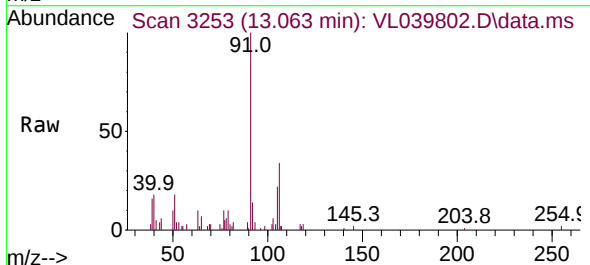
Acq: 26 Oct 2022 00:41

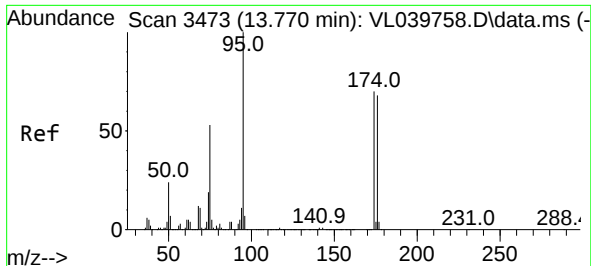
Tgt Ion: 91 Resp: 28201

Ion Ratio Lower Upper

91 100

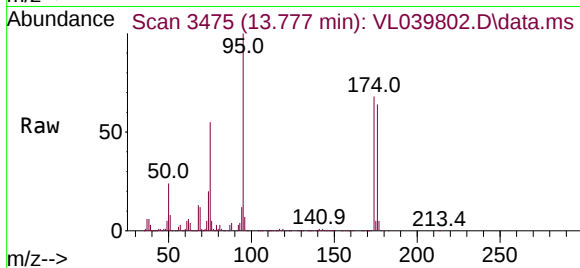
106 48.8 22.9 68.8





#68
1-Bromo-4-Fluorobenzene
Concen: 10.026 ppbv
RT: 13.777 min Scan# 3473
Delta R.T. 0.006 min
Lab File: VL039802.D
Acq: 26 Oct 2022 00:41

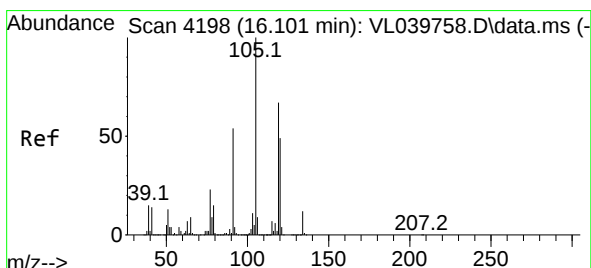
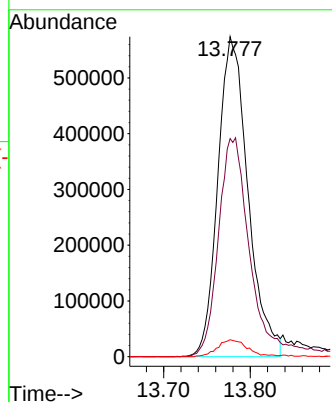
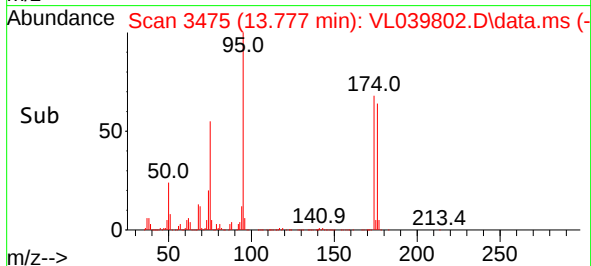
Instrument :
MSVOA_L
ClientSampleId :
J



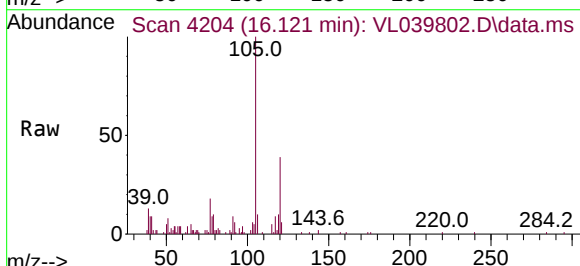
Tgt Ion: 95 Resp: 1386830
Ion Ratio Lower Upper
95 100
174 74.4 57.3 85.9
175 5.6 4.2 6.2

Manual Integrations
APPROVED

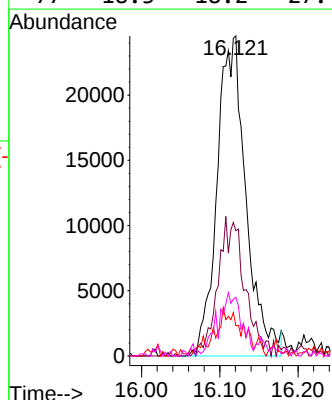
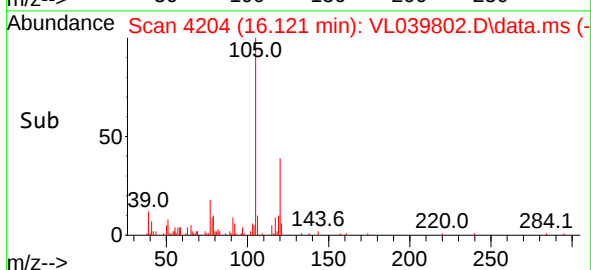
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

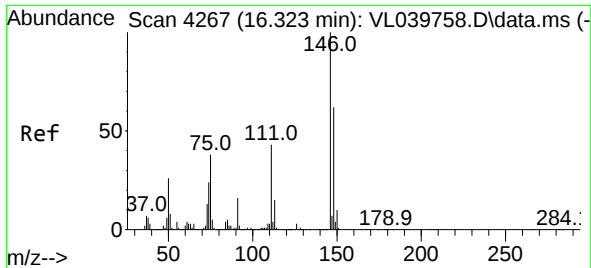


#74
1,2,4-Trimethylbenzene
Concen: 0.287 ppbv m
RT: 16.121 min Scan# 4204
Delta R.T. 0.019 min
Lab File: VL039802.D
Acq: 26 Oct 2022 00:41



Tgt Ion:105 Resp: 62860
Ion Ratio Lower Upper
105 100
120 39.1 39.6 59.4#
91 9.5 42.9 64.3#
77 18.3 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 0.176 ppbv m

RT: 16.326 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL039802.D

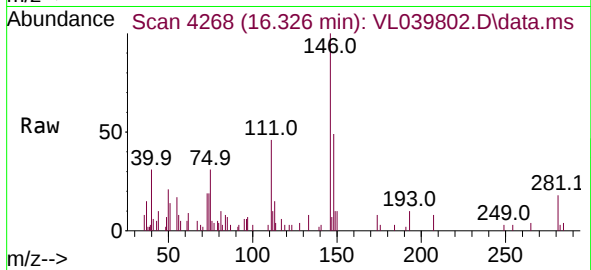
Acq: 26 Oct 2022 00:41

Instrument :

MSVOA_L

ClientSampleId :

J



Tgt Ion:	146	Resp:	23372
Ion Ratio	Lower	Upper	
146	100		
111	0.0	22.4	67.3
148	66.1	32.4	97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

