

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
 Data File : VL039498.D
 Acq On : 20 Jul 2022 2:24
 Operator : SY/AP
 Sample : N3750-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022
 Supervised By :Mahesh Dadoda 07/21/2022

Quant Time: Jul 20 05:43:06 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 6 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.677	49	1069251	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.189	114	3032346	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.098	117	2707327	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.429	95	2066213	10.288	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.900%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.060	85	35897m	0.233	ppbv	
3) Chlorodifluoromethane	2.999	51	46041m	0.339	ppbv	
4) Chloromethane	3.153	50	37097	0.500	ppbv	100
9) Propene	3.028	41	40657	0.664	ppbv	85
11) Trichlorofluoromethane	3.960	101	37095	0.216	ppbv	98
13) Ethanol	3.610	45	191474	53.871	ppbv	77
15) Acetone	3.854	43	851630	6.732	ppbv	94
20) Methylene Chloride	4.353	84	33538	0.665	ppbv	95
26) Hexane	5.703	57	43177m	0.413	ppbv	
34) 2-Butanone	5.263	43	100781	0.660	ppbv	96
35) Carbon Tetrachloride	7.034	117	10501m	0.056	ppbv	
36) Benzene	6.896	78	29661m	0.126	ppbv	
53) Toluene	9.822	91	93070m	0.344	ppbv	
74) 1,2,4-Trimethylbenzene	16.773	105	53170m	0.153	ppbv	
79) Naphthalene	22.217	128	144150m	0.601	ppbv	

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

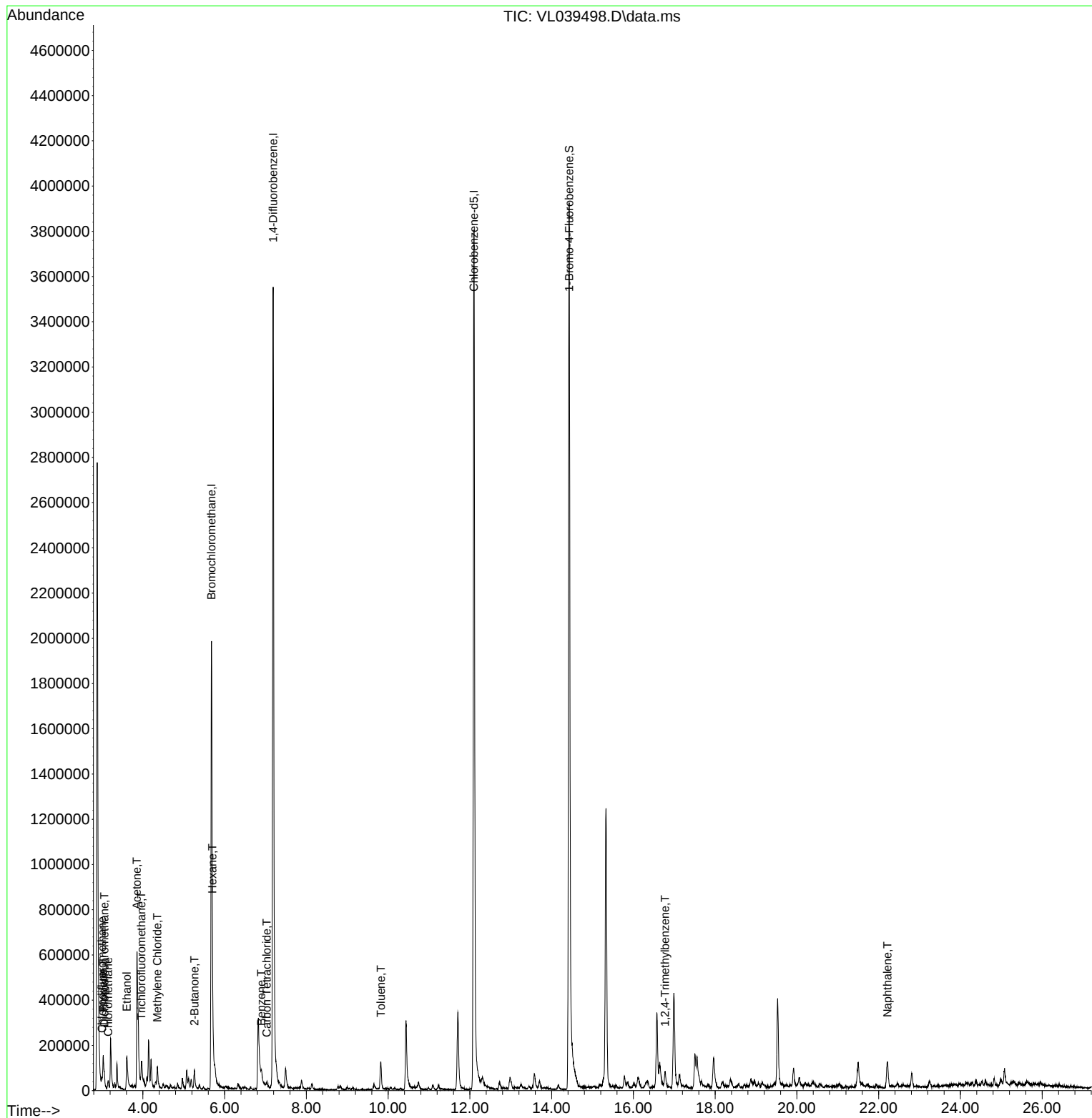
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
Data File : VL039498.D
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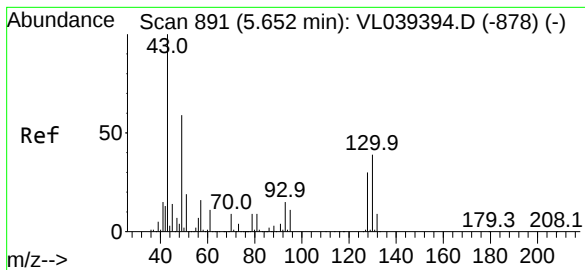
Instrument :
MSVOA_L
ClientSampleId :
IA-3

Quant Time: Jul 20 05:43:06 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

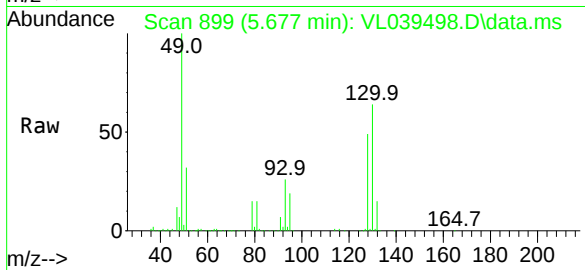
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.677 min Scan# 89
Delta R.T. 0.026 min
Lab File: VL039498.D
Acq: 20 Jul 2022 2:24

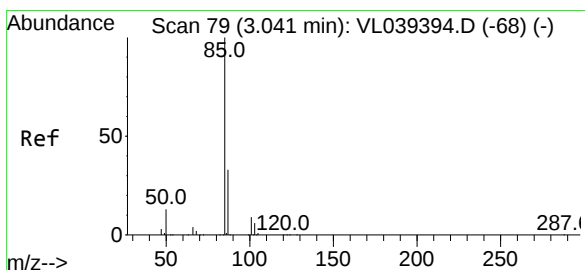
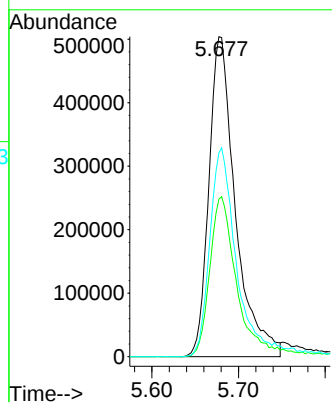
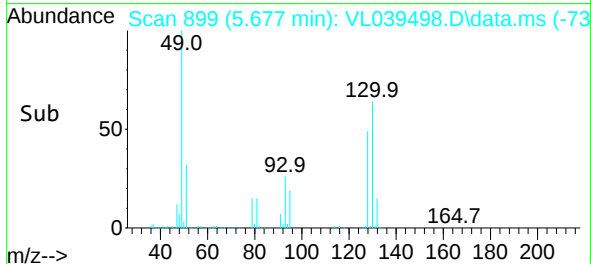
Instrument :
MSVOA_L
ClientSampleId :
IA-3



Tgt Ion: 49 Resp: 106925
Ion Ratio Lower Upper
49 100
128 52.8 26.7 80.0
130 68.5 34.3 102.8

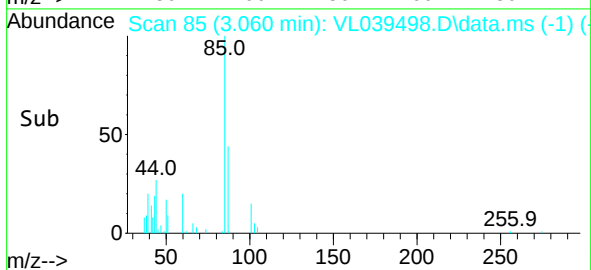
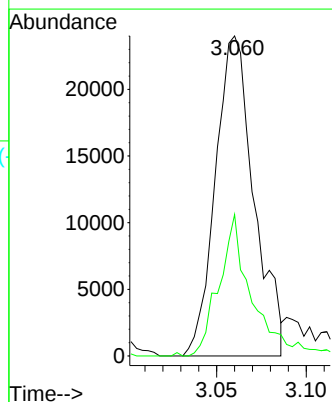
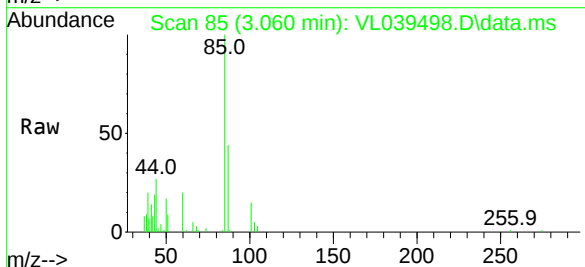
Manual Integrations
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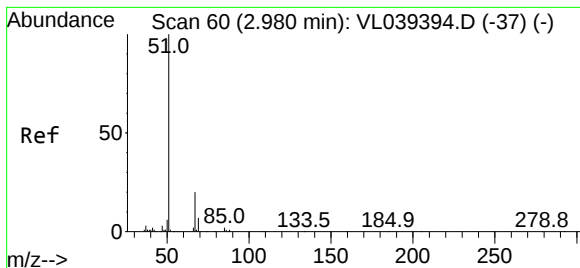
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#2
Dichlorodifluoromethane
Concen: 0.233 ppbv m
RT: 3.060 min Scan# 85
Delta R.T. 0.019 min
Lab File: VL039498.D
Acq: 20 Jul 2022 2:24

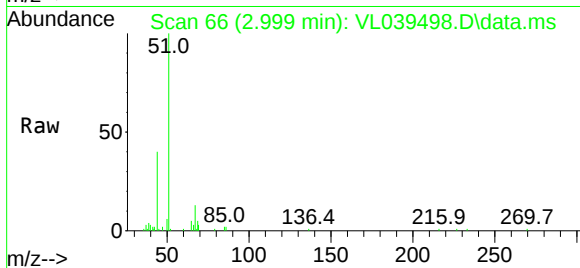
Tgt Ion: 85 Resp: 35897
Ion Ratio Lower Upper
85 100
87 44.2 26.7 40.1#





#3
Chlorodifluoromethane
Concen: 0.339 ppbv m
RT: 2.999 min Scan# 60
Delta R.T. 0.019 min
Lab File: VL039498.D
Acq: 20 Jul 2022 2:24

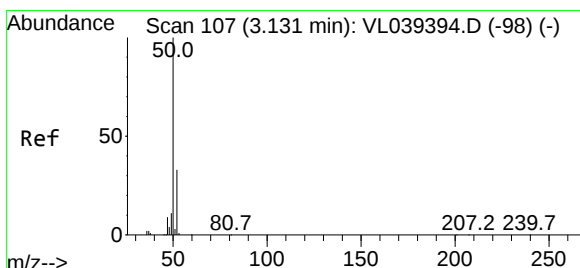
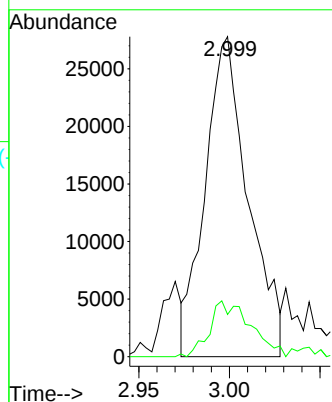
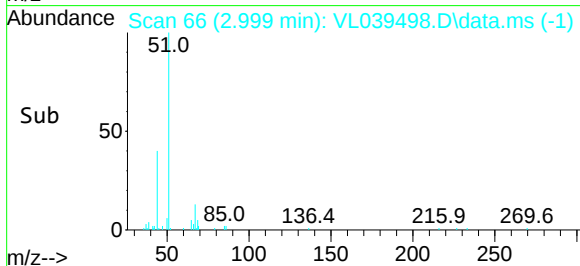
Instrument :
MSVOA_L
ClientSampleId :
IA-3



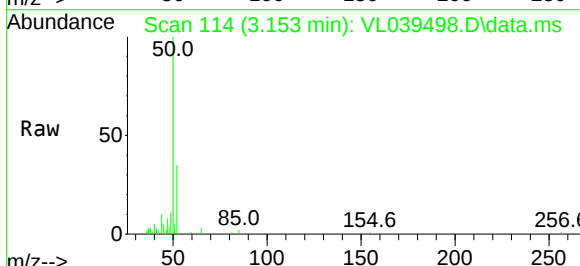
Tgt Ion: 51 Resp: 4604
Ion Ratio Lower Upper
51 100
67 16.5 15.7 23.5

Manual Integrations
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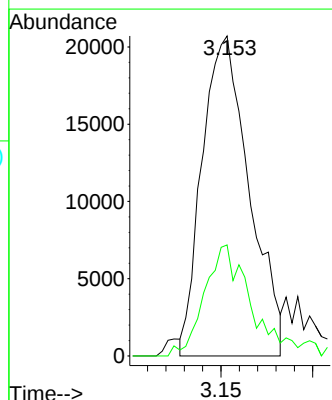
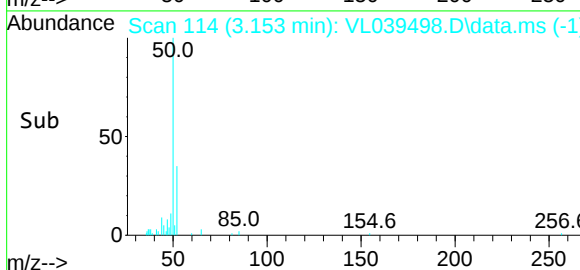
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

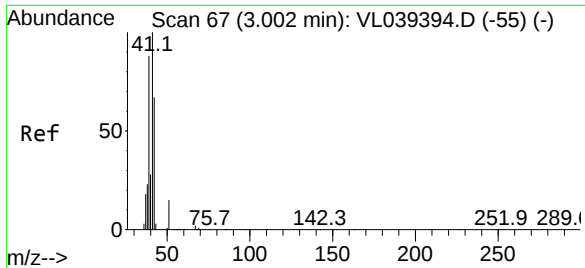


#4
Chloromethane
Concen: 0.500 ppbv
RT: 3.153 min Scan# 114
Delta R.T. 0.022 min
Lab File: VL039498.D
Acq: 20 Jul 2022 2:24



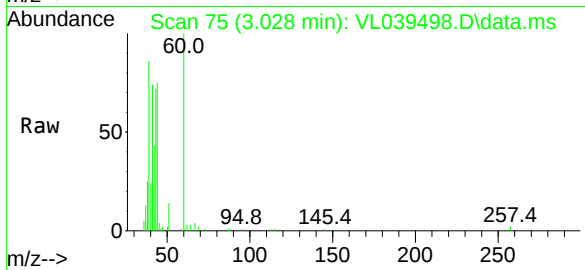
Tgt Ion: 50 Resp: 37097
Ion Ratio Lower Upper
50 100
52 33.0 26.5 39.7





#9
 Propene
 Concen: 0.664 ppbv
 RT: 3.028 min Scan# 71
 Delta R.T. 0.026 min
 Lab File: VL039498.D
 Acq: 20 Jul 2022 2:24

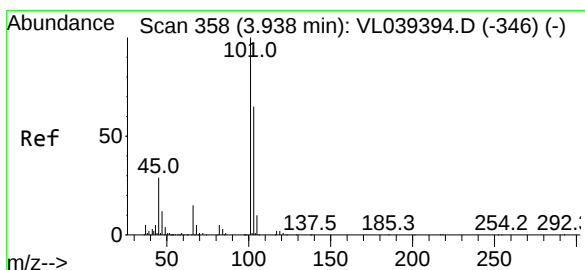
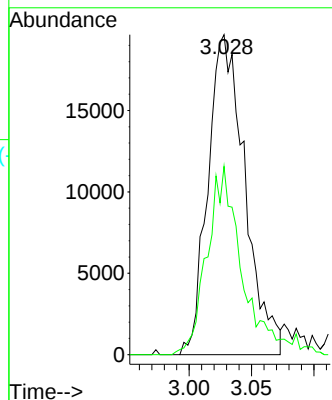
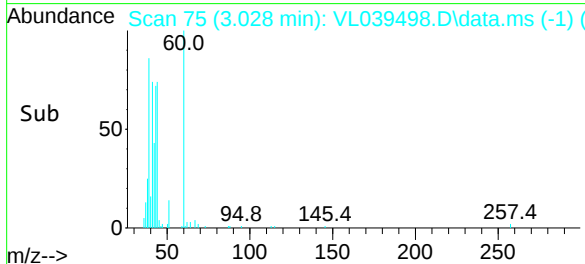
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3



Tgt Ion: 41 Resp: 4065
 Ion Ratio Lower Upper
 41 100
 42 56.5 55.2 82.8

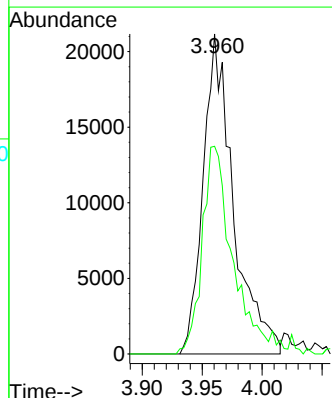
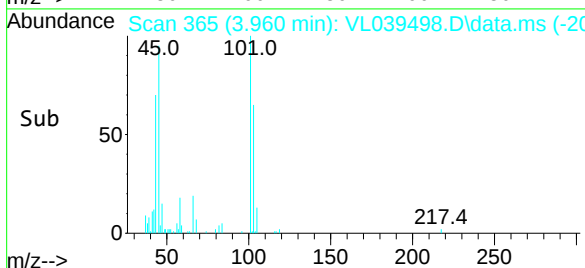
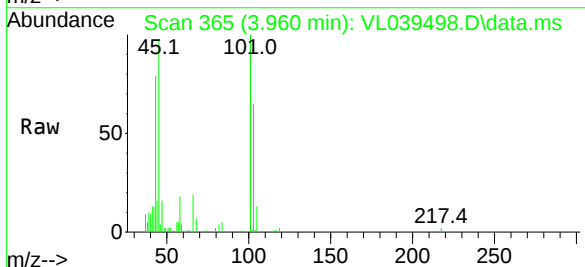
Manual Integrations
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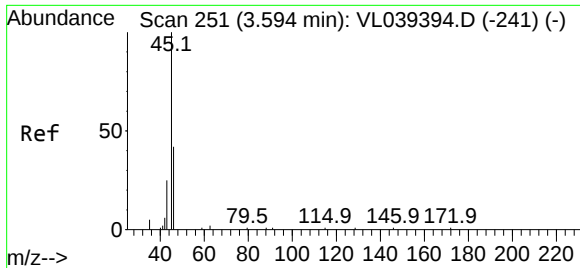
Reviewed By :Semsettin Yesilyurt 07/20/2022
 Supervised By :Mahesh Dadoda 07/21/2022



#11
 Trichlorofluoromethane
 Concen: 0.216 ppbv
 RT: 3.960 min Scan# 365
 Delta R.T. 0.022 min
 Lab File: VL039498.D
 Acq: 20 Jul 2022 2:24

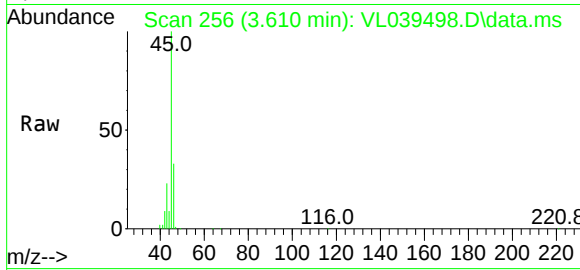
Tgt Ion:101 Resp: 37095
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.8 77.8





#13
Ethanol
Concen: 53.871 ppbv
RT: 3.610 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL039498.D
Acq: 20 Jul 2022 2:24

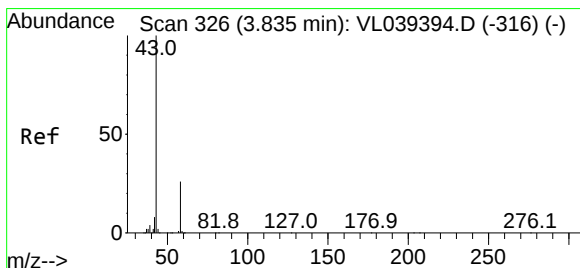
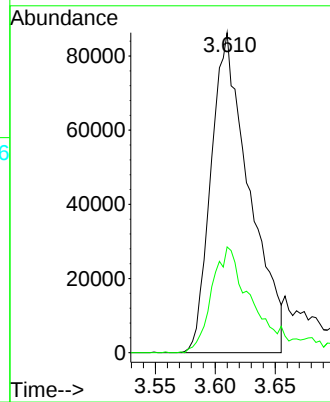
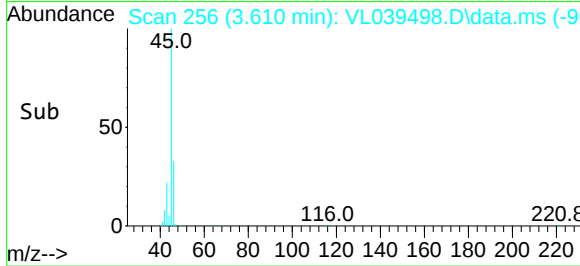
Instrument :
MSVOA_L
ClientSampleId :
IA-3



Tgt Ion: 45 Resp: 191474
Ion Ratio Lower Upper
45 100
46 40.2 22.8 91.2

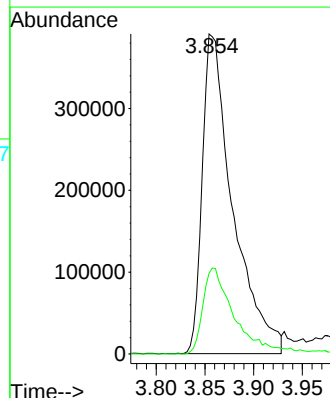
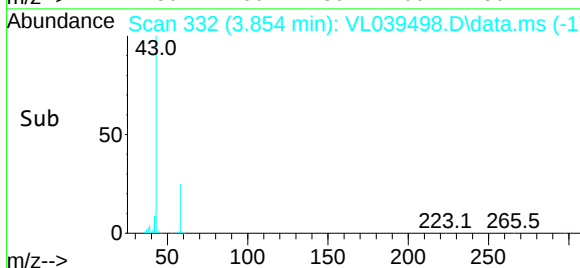
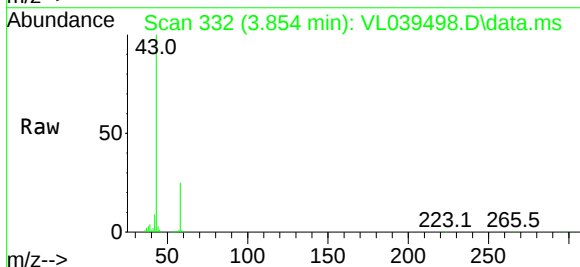
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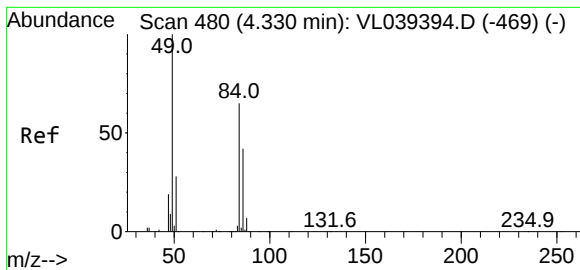
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#15
Acetone
Concen: 6.732 ppbv
RT: 3.854 min Scan# 332
Delta R.T. 0.019 min
Lab File: VL039498.D
Acq: 20 Jul 2022 2:24

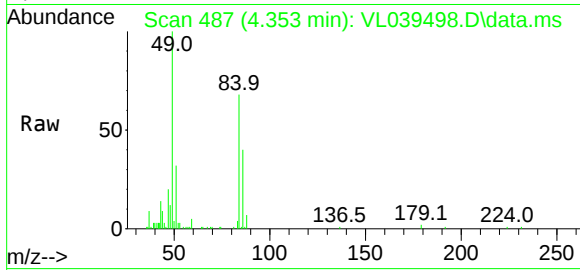
Tgt Ion: 43 Resp: 851630
Ion Ratio Lower Upper
43 100
58 29.3 21.0 31.6





#20
Methylene Chloride
Concen: 0.665 ppbv
RT: 4.353 min Scan# 41
Delta R.T. 0.022 min
Lab File: VL039498.D
Acq: 20 Jul 2022 2:24

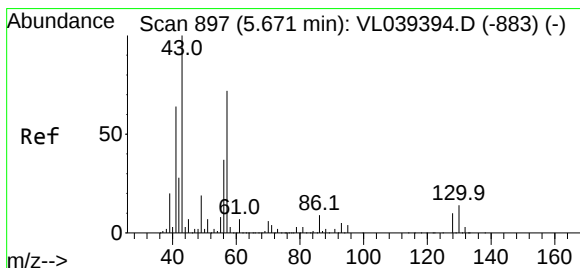
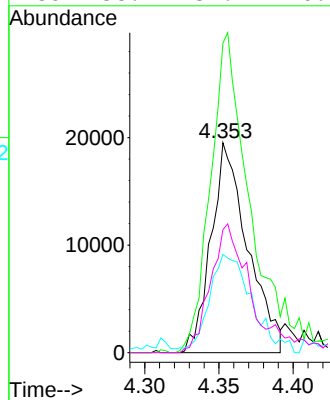
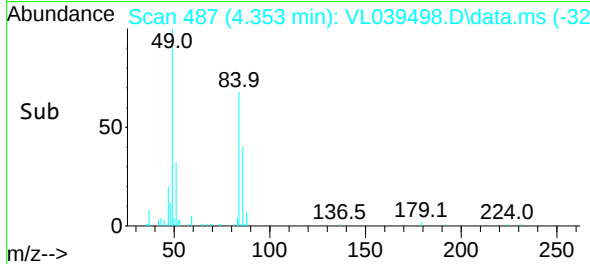
Instrument :
MSVOA_L
ClientSampleId :
IA-3



Tgt Ion: 84 Resp: 33538
Ion Ratio Lower Upper
84 100
49 146.6 123.1 184.7
51 44.6 34.4 51.6
86 58.7 51.1 76.7

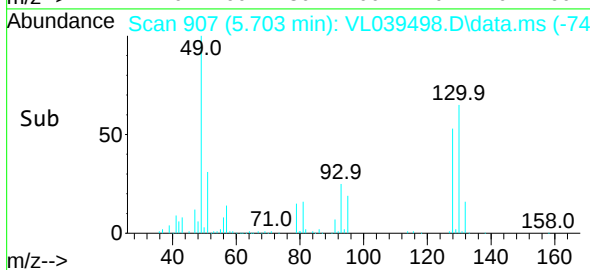
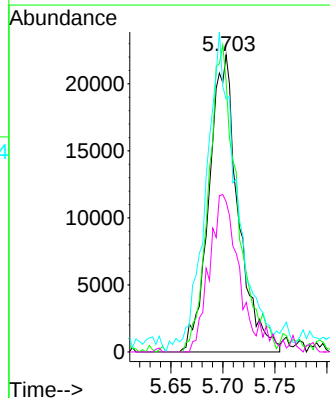
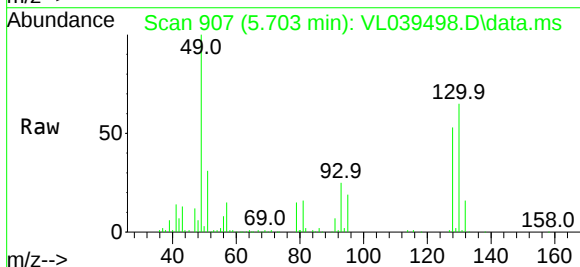
Manual Integrations
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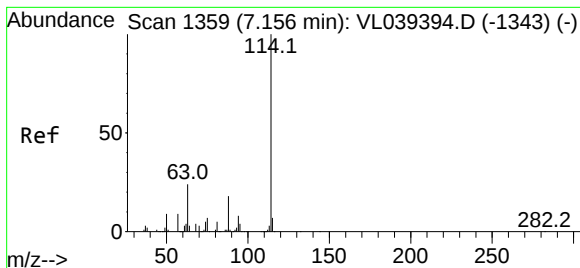
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#26
Hexane
Concen: 0.413 ppbv m
RT: 5.703 min Scan# 907
Delta R.T. 0.032 min
Lab File: VL039498.D
Acq: 20 Jul 2022 2:24

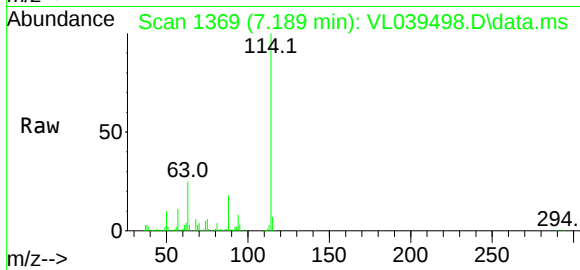
Tgt Ion: 57 Resp: 43177
Ion Ratio Lower Upper
57 100
41 0.0 76.9 115.3#
43 106.5 191.0 286.6#
56 0.0 43.2 64.8#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.189 min Scan# 114
Delta R.T. 0.032 min
Lab File: VL039498.D
Acq: 20 Jul 2022 2:24

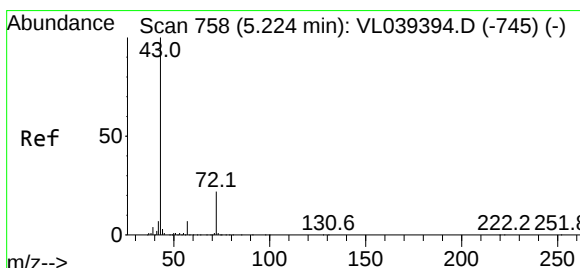
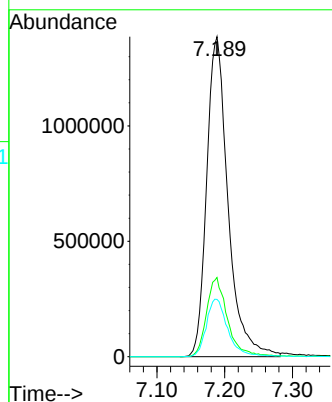
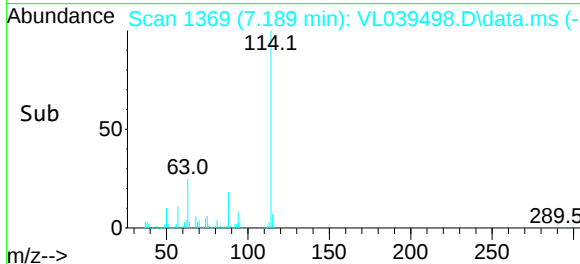
Instrument :
MSVOA_L
ClientSampleId :
IA-3



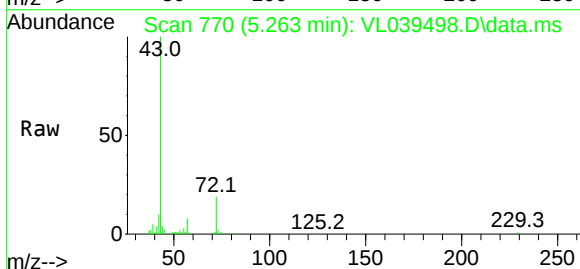
Tgt Ion:114 Resp: 3032340
Ion Ratio Lower Upper
114 100
63 24.5 20.2 30.4
88 18.4 14.5 21.7

Manual Integrations
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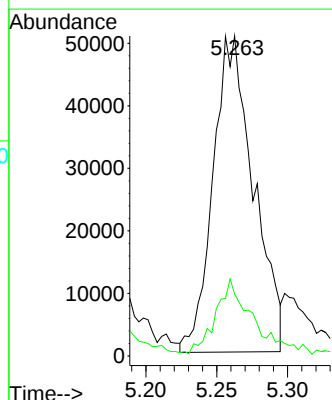
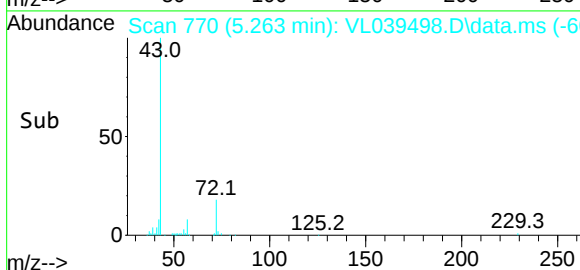
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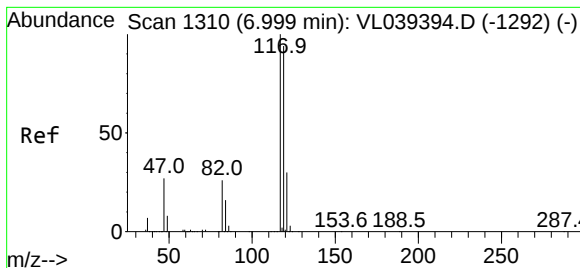


#34
2-Butanone
Concen: 0.660 ppbv
RT: 5.263 min Scan# 770
Delta R.T. 0.038 min
Lab File: VL039498.D
Acq: 20 Jul 2022 2:24



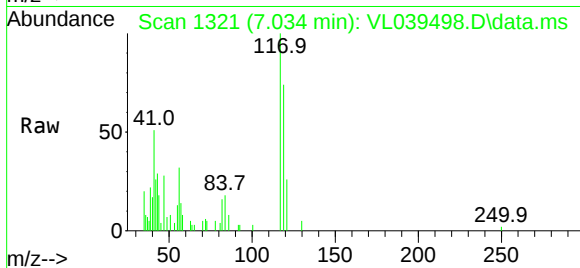
Tgt Ion: 43 Resp: 100781
Ion Ratio Lower Upper
43 100
72 24.4 17.9 26.9





#35
Carbon Tetrachloride
Concen: 0.056 ppbv m
RT: 7.034 min Scan# 117
Delta R.T. 0.035 min
Lab File: VL039498.D
Acq: 20 Jul 2022 2:24

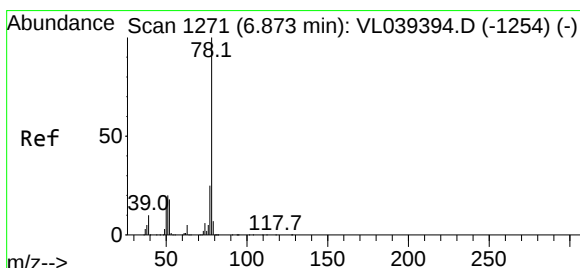
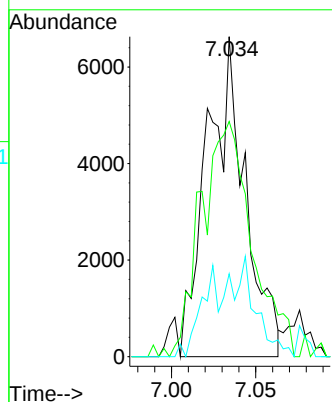
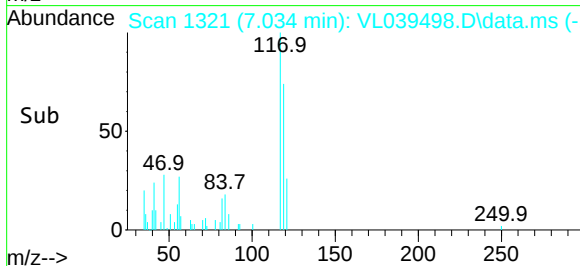
Instrument :
MSVOA_L
ClientSampleId :
IA-3



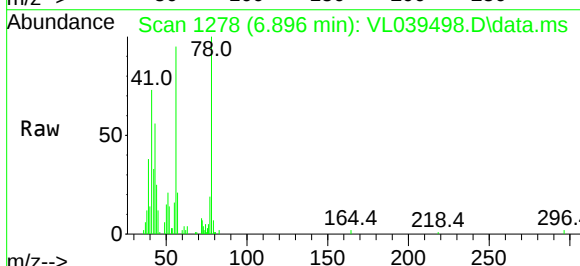
Tgt Ion: 117 Resp: 1050
Ion Ratio Lower Upper
117 100
119 73.5 75.4 113.2
121 25.9 24.2 36.2

Manual Integrations
APPROVED

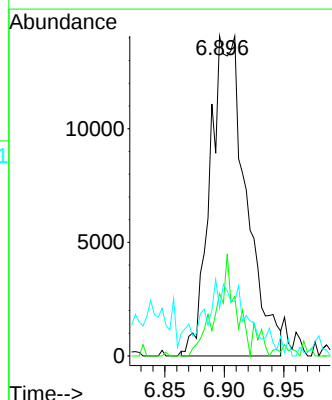
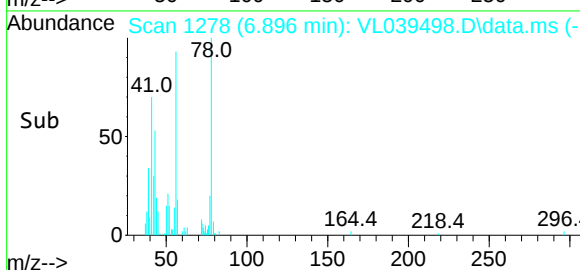
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

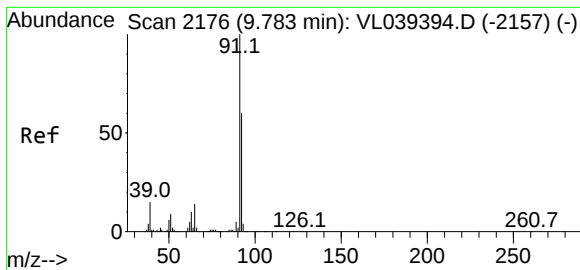


#36
Benzene
Concen: 0.126 ppbv m
RT: 6.896 min Scan# 1278
Delta R.T. 0.022 min
Lab File: VL039498.D
Acq: 20 Jul 2022 2:24



Tgt Ion: 78 Resp: 29661
Ion Ratio Lower Upper
78 100
77 19.5 20.3 30.5#
50 15.0 15.5 23.3#





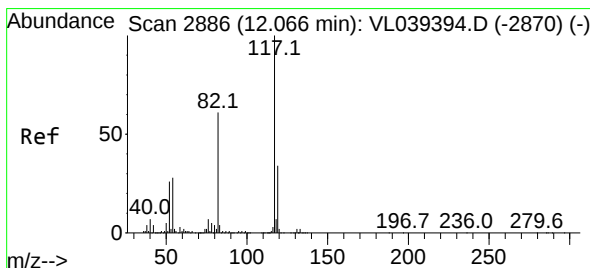
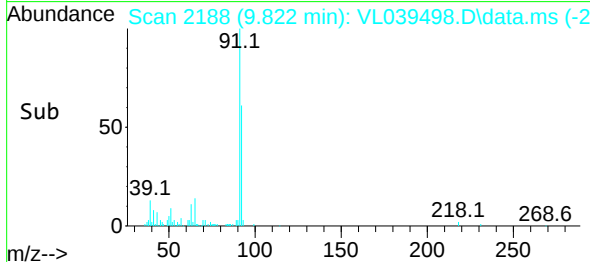
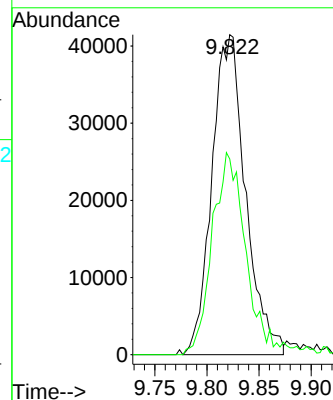
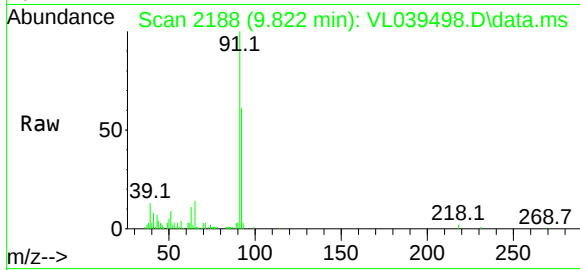
#53
Toluene
Concen: 0.344 ppbv m
RT: 9.822 min Scan# 2176
Delta R.T. 0.039 min
Lab File: VL039498.D
Acq: 20 Jul 2022 2:24

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 91 Resp: 93070
Ion Ratio Lower Upper
91 100
92 65.3 48.2 72.2

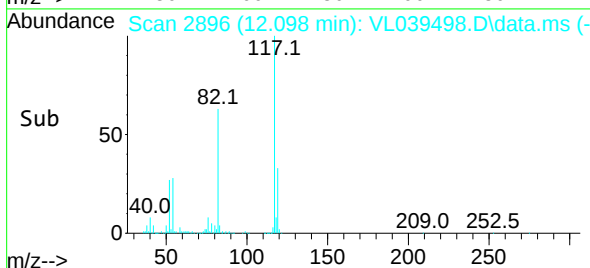
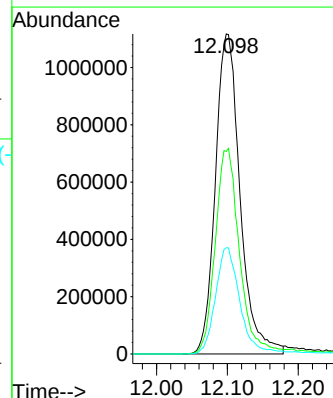
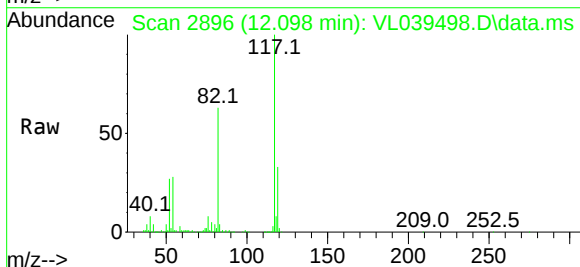
Manual Integrations
APPROVED

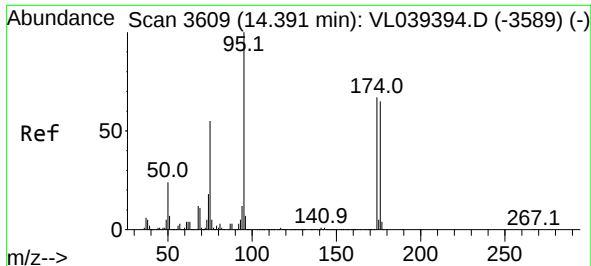
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.098 min Scan# 2896
Delta R.T. 0.032 min
Lab File: VL039498.D
Acq: 20 Jul 2022 2:24

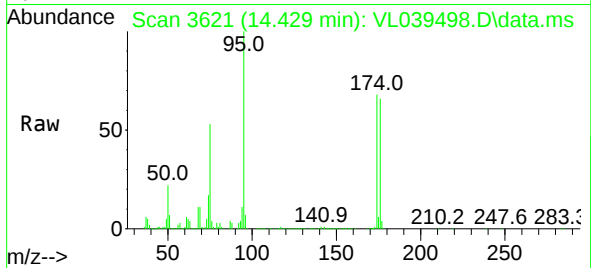
Tgt Ion:117 Resp: 2707327
Ion Ratio Lower Upper
117 100
82 64.9 50.8 76.2
119 33.4 24.1 36.1





#68
1-Bromo-4-Fluorobenzene
Concen: 10.288 ppbv
RT: 14.429 min Scan# 3609
Delta R.T. 0.039 min
Lab File: VL039498.D
Acq: 20 Jul 2022 2:24

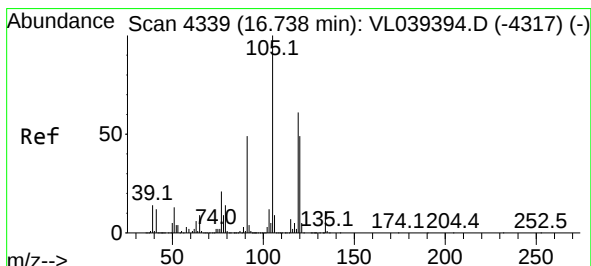
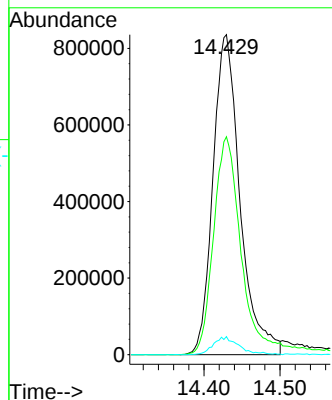
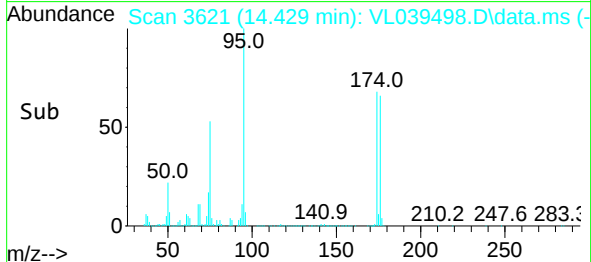
Instrument :
MSVOA_L
ClientSampleId :
IA-3



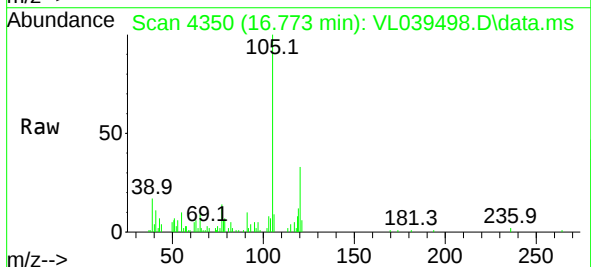
Tgt Ion: 95 Resp: 206621
Ion Ratio Lower Upper
95 100
174 73.0 55.9 83.9
175 5.3 4.2 6.4

Manual Integrations
APPROVED

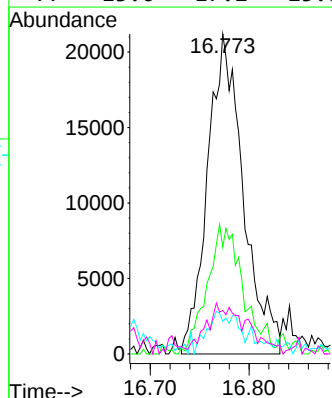
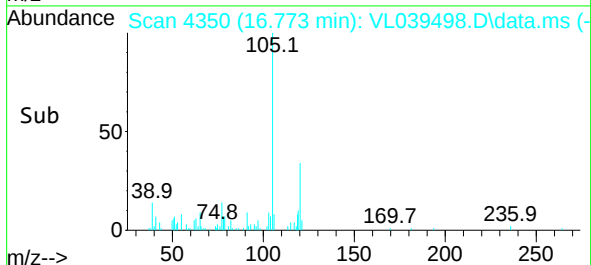
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

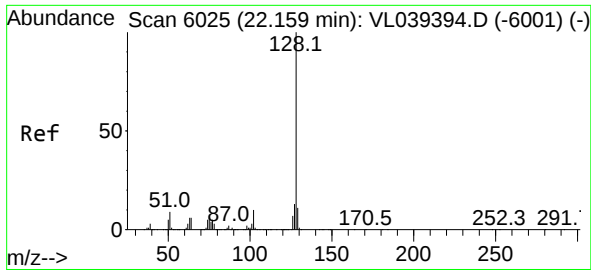


#74
1,2,4-Trimethylbenzene
Concen: 0.153 ppbv m
RT: 16.773 min Scan# 4350
Delta R.T. 0.035 min
Lab File: VL039498.D
Acq: 20 Jul 2022 2:24



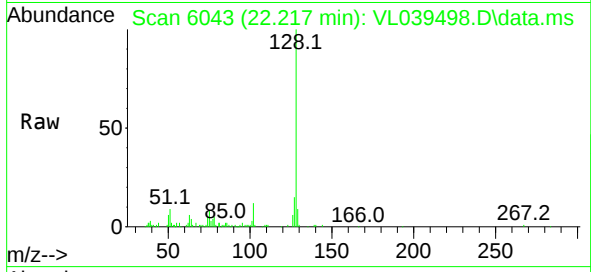
Tgt Ion:105 Resp: 53170
Ion Ratio Lower Upper
105 100
120 33.4 39.5 59.3#
91 10.2 39.2 58.8#
77 13.6 17.2 25.8#





#79
Naphthalene
Concen: 0.601 ppbv m
RT: 22.217 min Scan# 6025
Delta R.T. 0.058 min
Lab File: VL039498.D
Acq: 20 Jul 2022 2:24

Instrument :
MSVOA_L
ClientSampleId :
IA-3



Tgt Ion:128 Resp: 144150
Ion Ratio Lower Upper
128 100
127 15.3 10.6 15.8
129 8.6 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

