

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020724\
 Data File : VL041038.D
 Acq On : 7 Feb 2024 13:19
 Operator : SY/MD
 Sample : P1392-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024
 Supervised By :Mahesh Dadoda 02/08/2024

Quant Time: Feb 08 02:43:12 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Thu Feb 08 02:04:13 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.172	49	1045233	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	2627312	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2298861	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1749569	10.076	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.710	85	113650	0.492	ppbv	96
3) Chlorodifluoromethane	2.655	51	47350m	0.269	ppbv	
4) Chloromethane	2.793	50	31657	0.480	ppbv	94
11) Trichlorofluoromethane	3.542	101	41285	0.222	ppbv	92
13) Ethanol	3.221	45	225240	16.389	ppbv	96
15) Acetone	3.452	43	418674	3.132	ppbv	99
20) Methylene Chloride	3.915	84	1347787	26.204	ppbv	94
26) Hexane	5.195	57	642073	6.215	ppbv #	46
34) 2-Butanone	4.777	43	20232	0.162	ppbv #	89
35) Carbon Tetrachloride	6.475	117	12972	0.074	ppbv #	73
36) Benzene	6.349	78	37004m	0.171	ppbv	
44) 2,2,4-Trimethylpentane	7.301	57	35480m	0.097	ppbv	
53) Toluene	9.201	91	61092	0.257	ppbv	98
59) m/p-Xylene	12.352	91	74068m	0.275	ppbv	

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

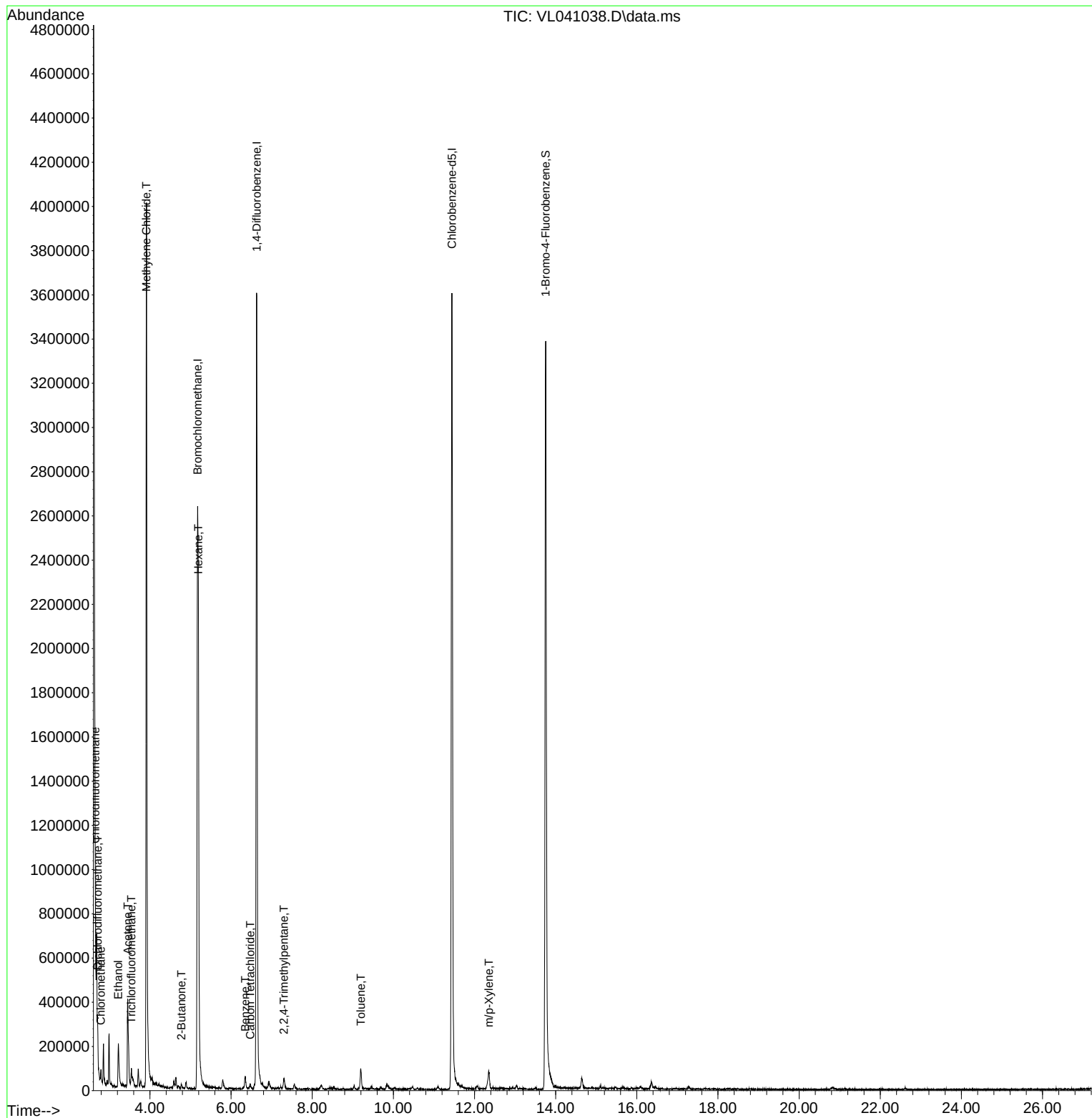
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020724\
Data File : VL041038.D
Acq On : 7 Feb 2024 13:19
Operator : SY/MD
Sample : P1392-01
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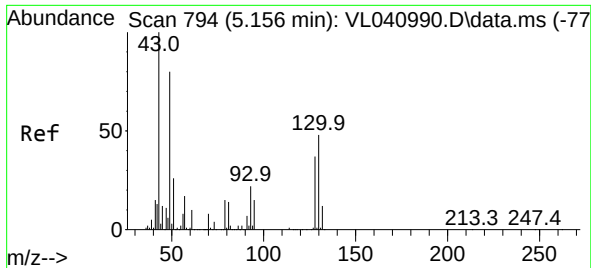
Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations
APPROVED

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Supervised By : Mahesh Dadoda 02/08/2024

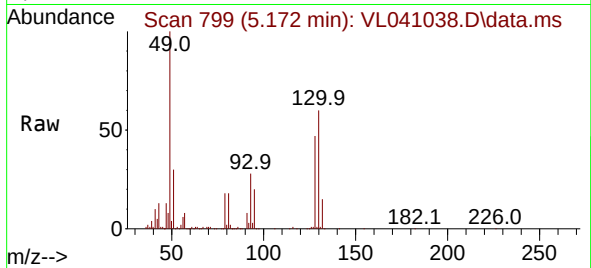
Quant Time: Feb 08 02:43:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Feb 08 02:04:13 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.172 min Scan# 794
Delta R.T. 0.006 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19

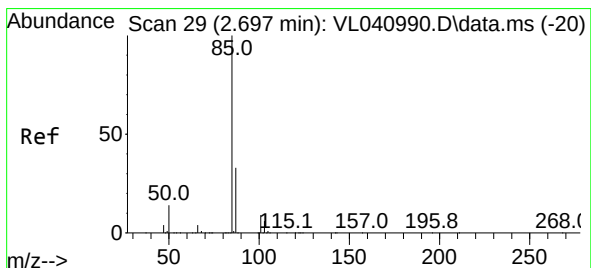
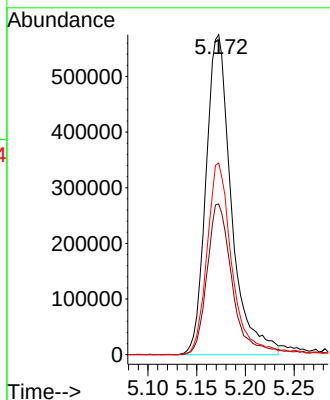
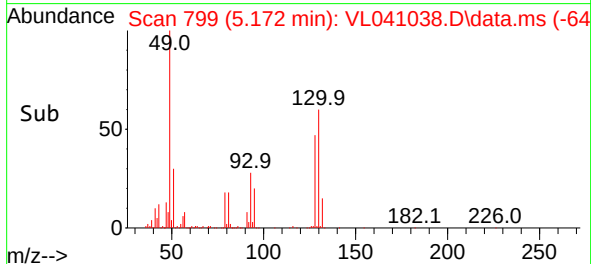
Instrument :
MSVOA_L
ClientSampleId :
IA1



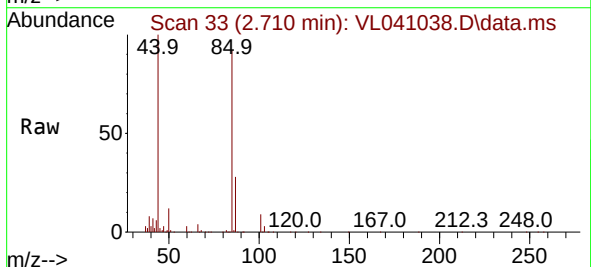
Tgt Ion: 49 Resp: 104523
Ion Ratio Lower Upper
49 100
128 48.3 23.9 71.7
130 60.3 31.1 93.5

Manual Integrations
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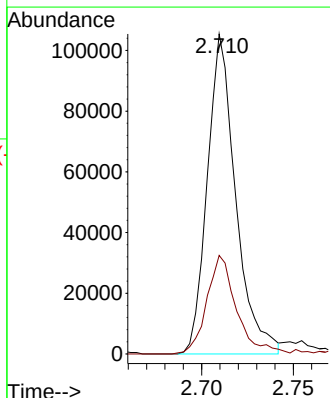
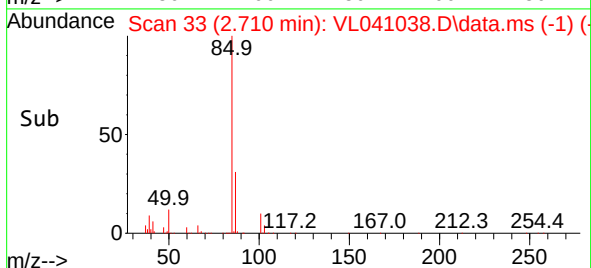
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

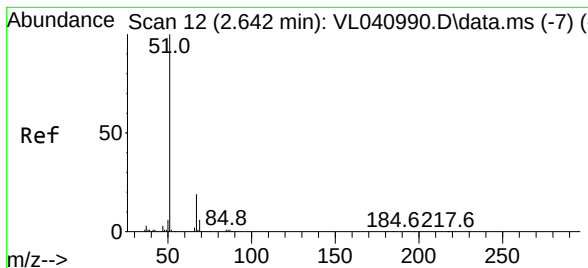


#2
Dichlorodifluoromethane
Concen: 0.492 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.007 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19



Tgt Ion: 85 Resp: 113650
Ion Ratio Lower Upper
85 100
87 30.5 26.3 39.5





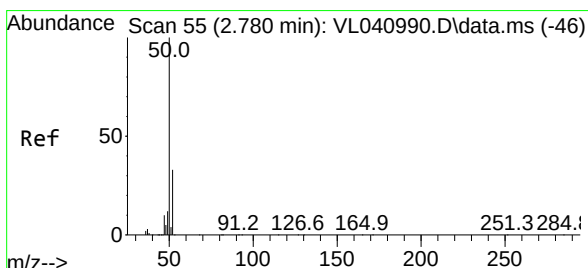
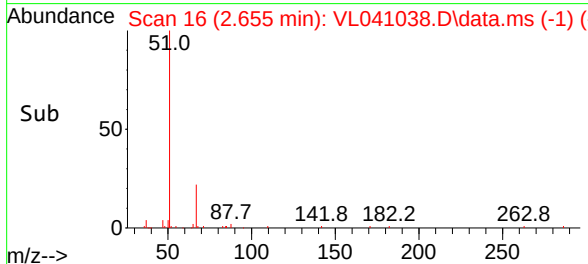
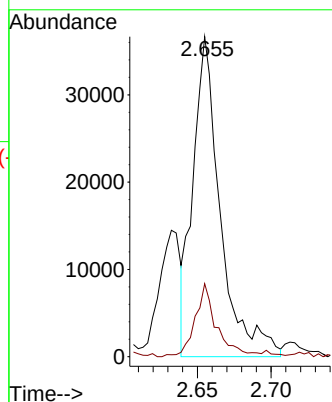
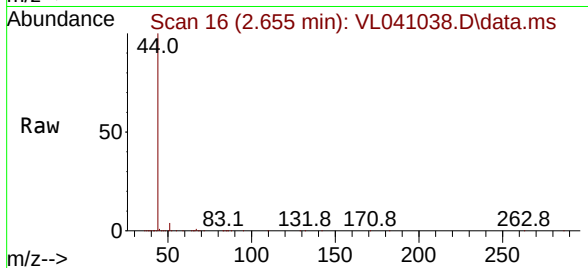
#3
Chlorodifluoromethane
Concen: 0.269 ppbv m
RT: 2.655 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 47350
Ion Ratio Lower Upper
51 100
67 18.9 14.8 22.2

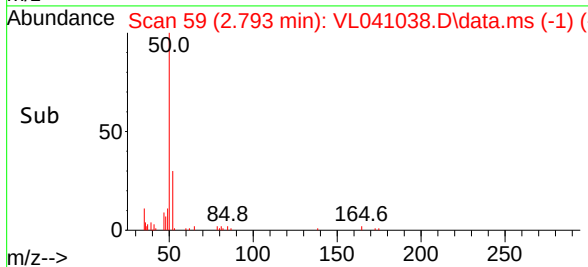
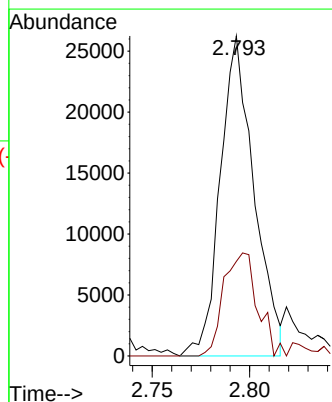
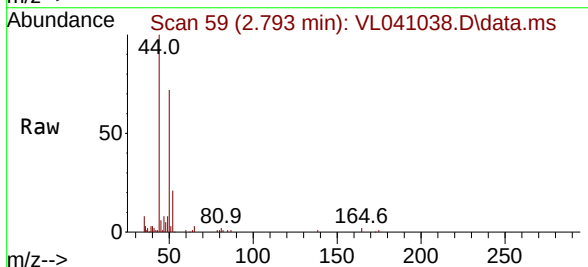
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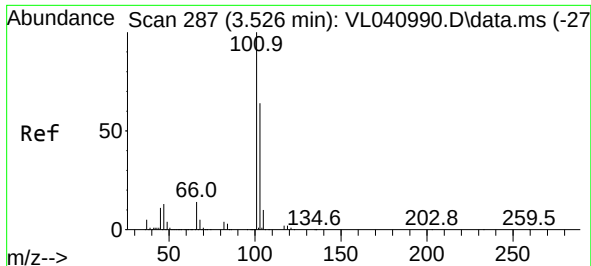
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#4
Chloromethane
Concen: 0.480 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.007 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19

Tgt Ion: 50 Resp: 31657
Ion Ratio Lower Upper
50 100
52 29.6 26.2 39.4





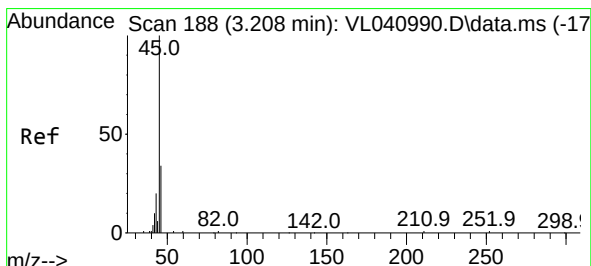
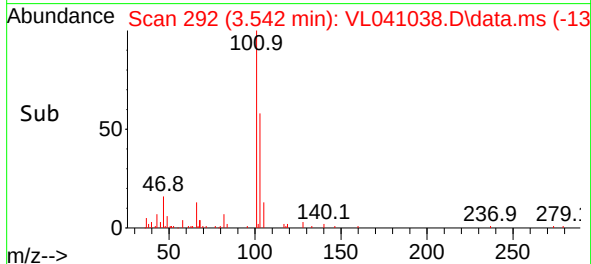
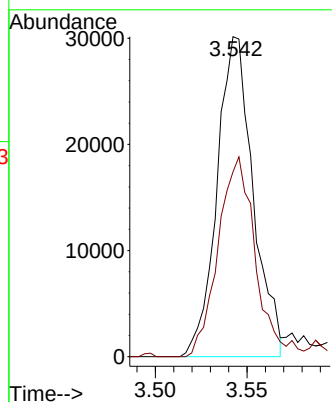
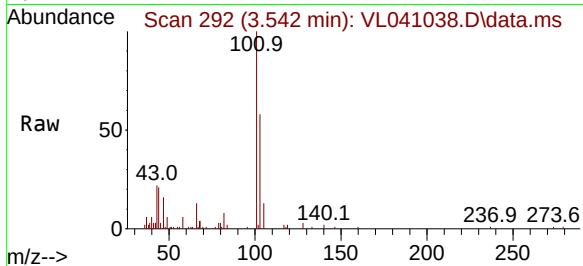
#11
Trichlorofluoromethane
Concen: 0.222 ppbv
RT: 3.542 min Scan# 292
Delta R.T. 0.010 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:101 Resp: 41285
Ion Ratio Lower Upper
101 100
103 57.7 51.4 77.2

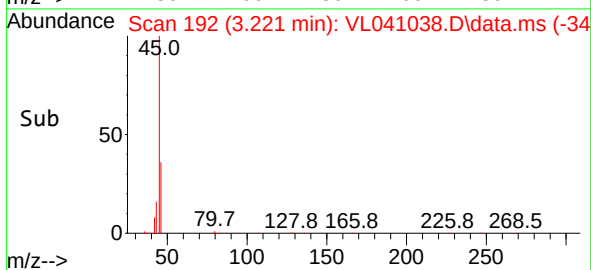
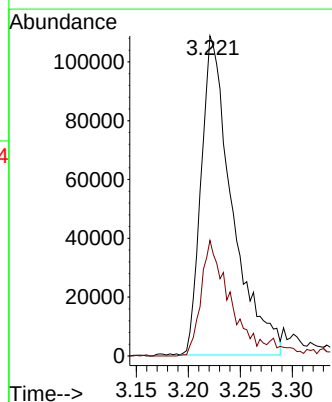
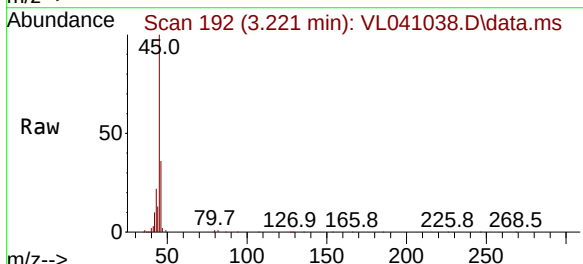
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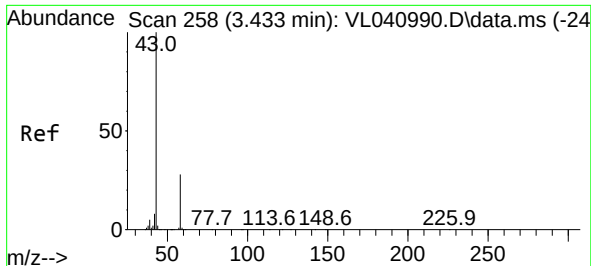
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#13
Ethanol
Concen: 16.389 ppbv
RT: 3.221 min Scan# 192
Delta R.T. 0.007 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19

Tgt Ion: 45 Resp: 225240
Ion Ratio Lower Upper
45 100
46 38.2 16.2 64.8





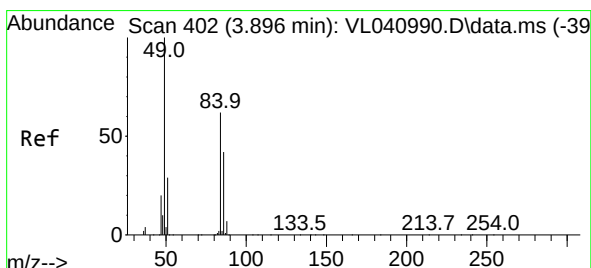
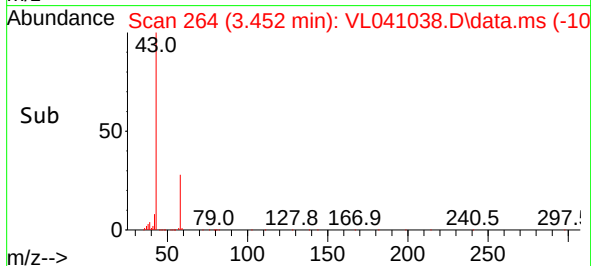
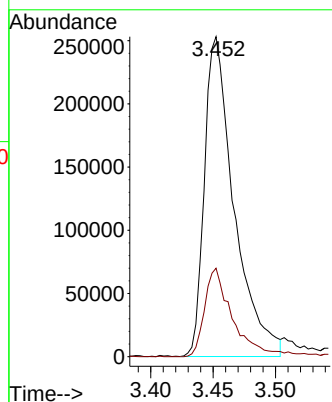
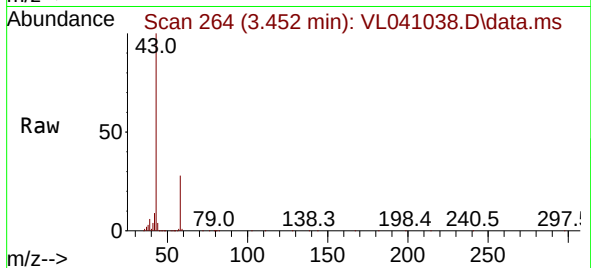
#15
Acetone
Concen: 3.132 ppbv
RT: 3.452 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 418674
Ion Ratio Lower Upper
43 100
58 27.0 22.2 33.2

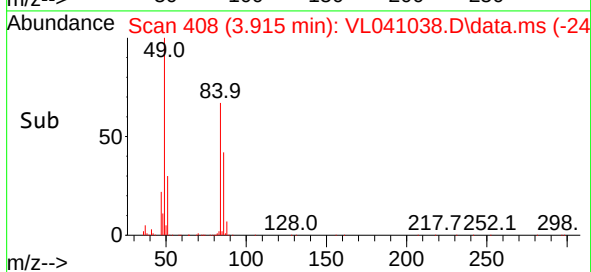
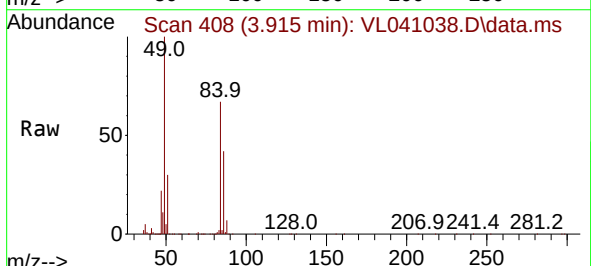
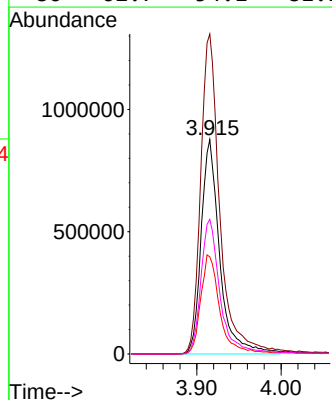
Manual Integrations
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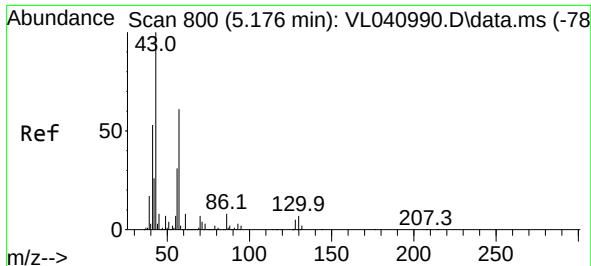
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#20
Methylene Chloride
Concen: 26.204 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.010 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19

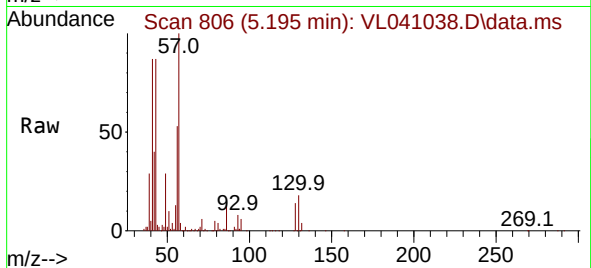
Tgt Ion: 84 Resp: 1347787
Ion Ratio Lower Upper
84 100
49 149.2 128.1 192.1
51 45.3 36.5 54.7
86 62.7 54.1 81.1





#26
Hexane
Concen: 6.215 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.010 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19

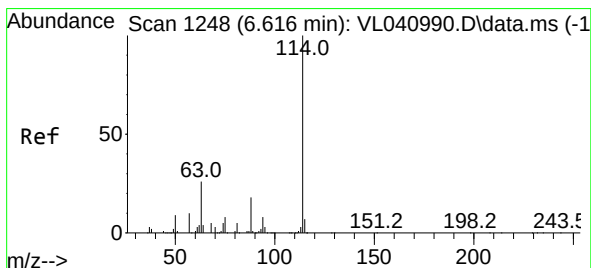
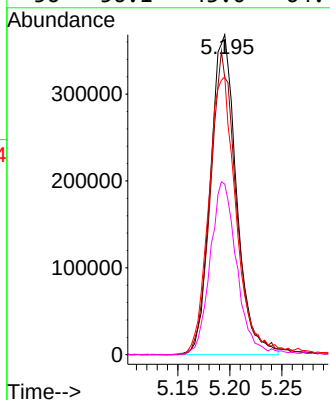
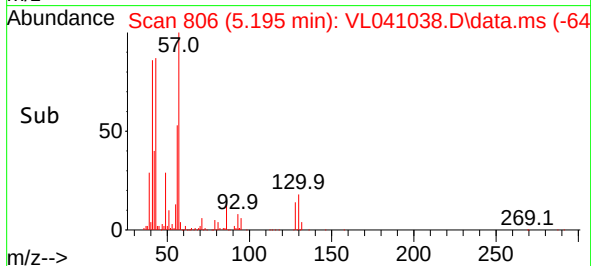
Instrument :
MSVOA_L
ClientSampleId :
IA1



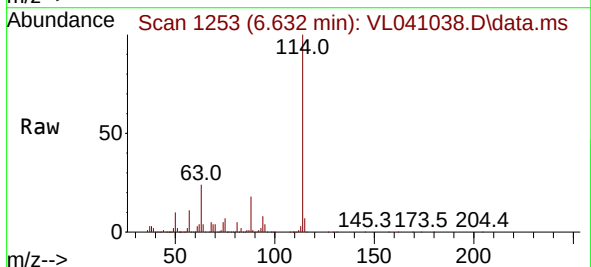
Tgt Ion: 57 Resp: 642072
Ion Ratio Lower Upper
57 100
41 95.5 74.4 111.6
43 94.2 190.6 285.8
56 56.1 43.0 64.4

Manual Integrations
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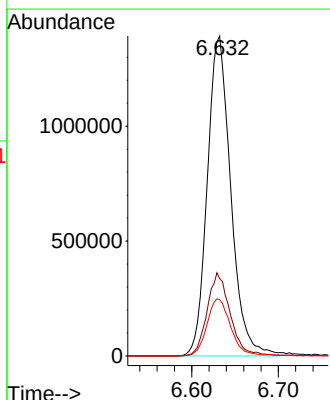
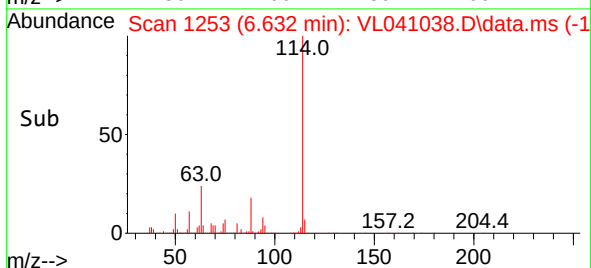
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

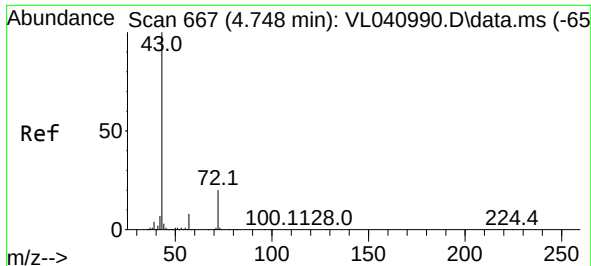


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. 0.007 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19



Tgt Ion:114 Resp: 2627312
Ion Ratio Lower Upper
114 100
63 25.6 20.8 31.2
88 18.2 14.3 21.5





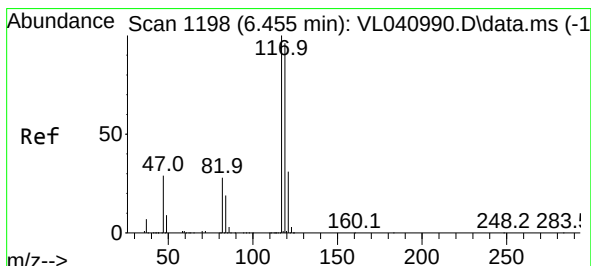
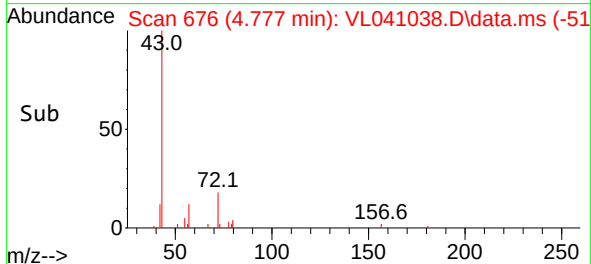
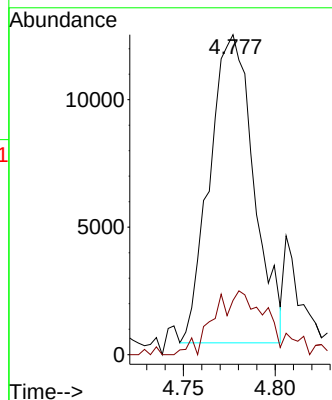
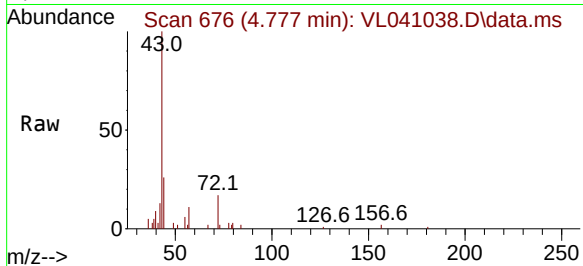
#34
2-Butanone
Concen: 0.162 ppbv
RT: 4.777 min Scan# 61
Delta R.T. 0.019 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 2023
Ion Ratio Lower Upper
43 100
72 27.1 17.5 26.3

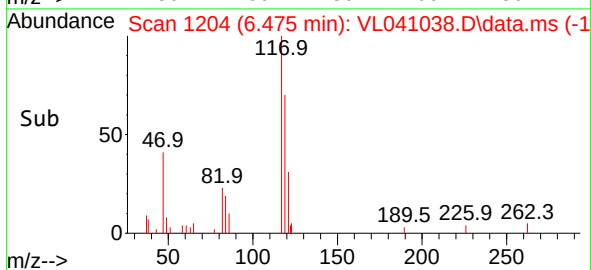
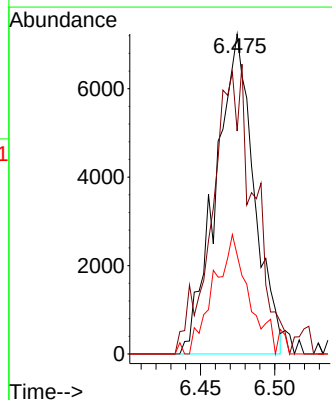
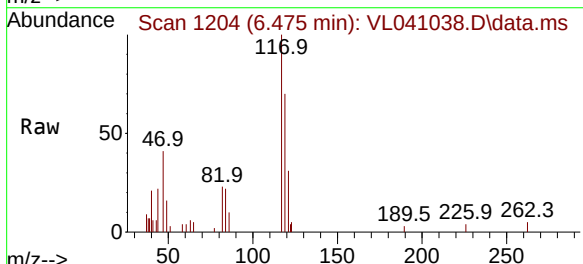
Manual Integrations
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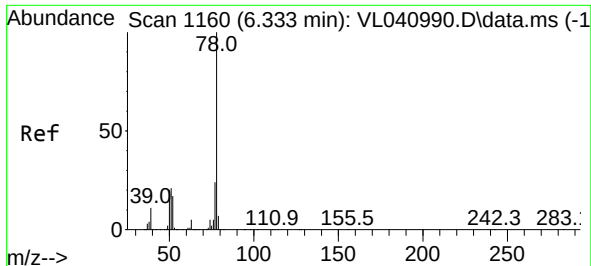
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#35
Carbon Tetrachloride
Concen: 0.074 ppbv
RT: 6.475 min Scan# 1204
Delta R.T. 0.010 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19

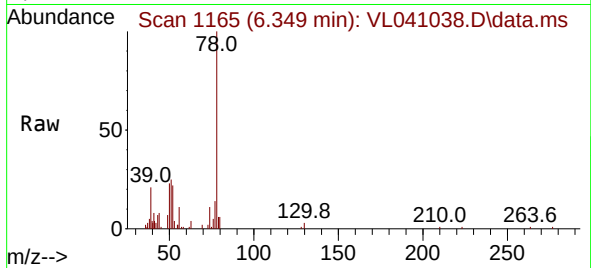
Tgt Ion:117 Resp: 12972
Ion Ratio Lower Upper
117 100
119 62.6 76.9 115.3#
121 27.4 24.7 37.1





#36
Benzene
Concen: 0.171 ppbv m
RT: 6.349 min Scan# 1165
Delta R.T. 0.007 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19

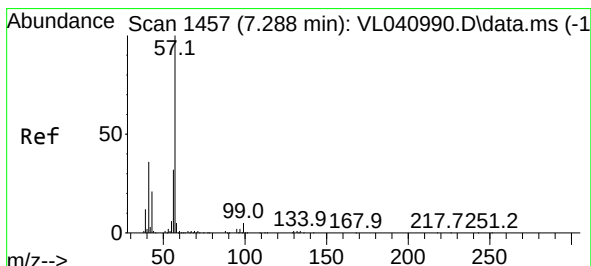
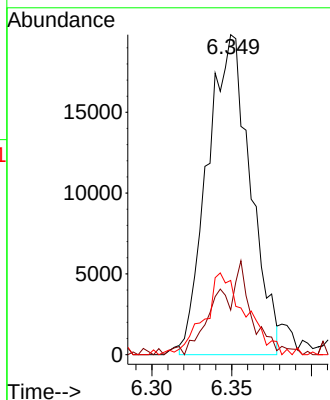
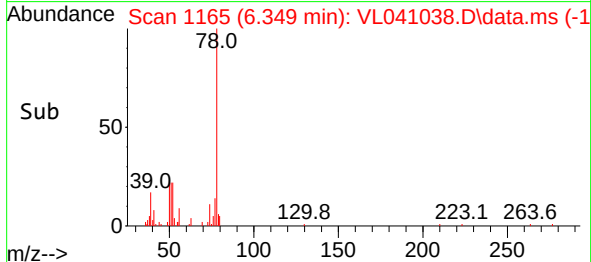
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 78 Resp: 37004
Ion Ratio Lower Upper
78 100
77 14.0 19.0 28.4#
50 23.2 15.8 23.6

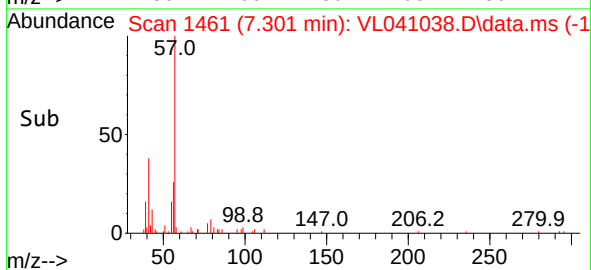
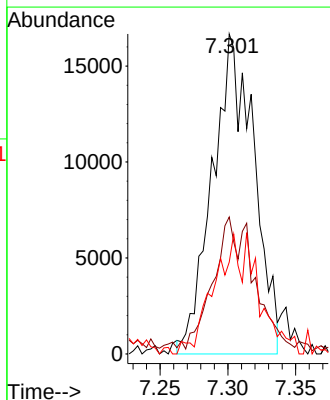
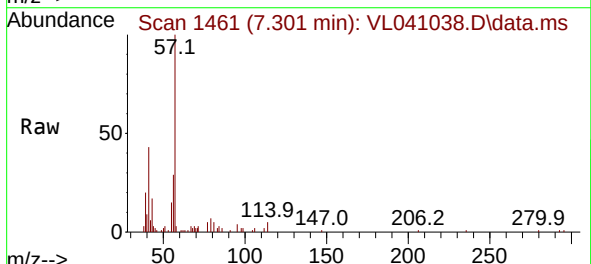
Manual Integrations
APPROVED

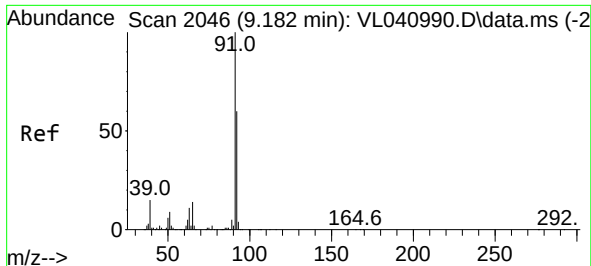
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#44
2,2,4-Trimethylpentane
Concen: 0.097 ppbv m
RT: 7.301 min Scan# 1461
Delta R.T. 0.003 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19

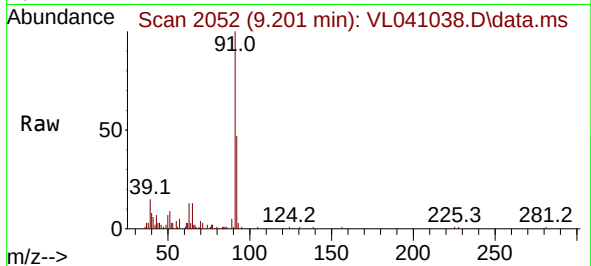
Tgt Ion: 57 Resp: 35480
Ion Ratio Lower Upper
57 100
41 47.0 28.6 43.0#
56 0.0 25.2 37.8#





#53
Toluene
Concen: 0.257 ppbv
RT: 9.201 min Scan# 2046
Delta R.T. 0.007 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19

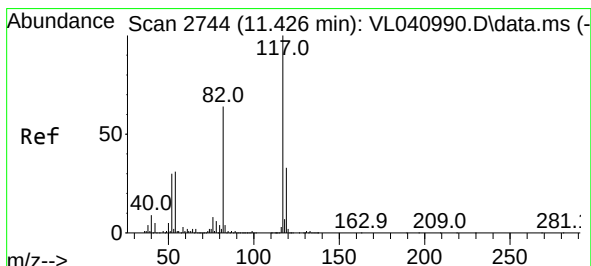
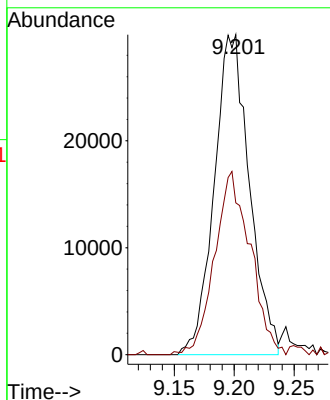
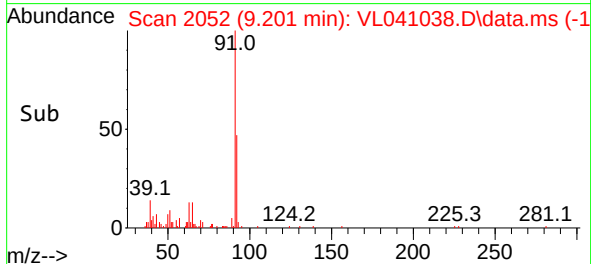
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 91 Resp: 61092
Ion Ratio Lower Upper
91 100
92 59.3 48.6 72.8

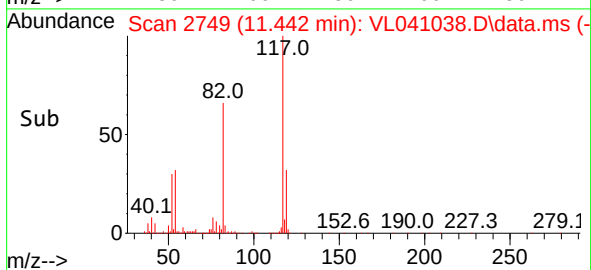
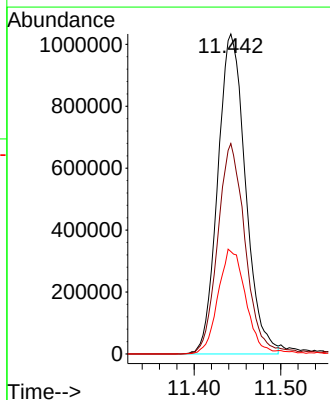
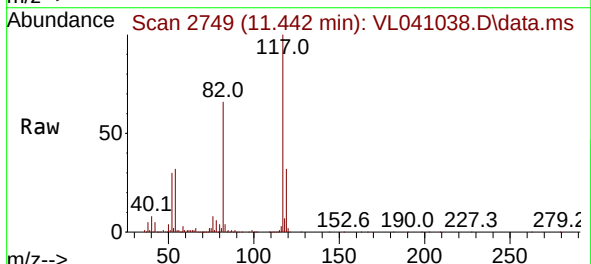
Manual Integrations
APPROVED

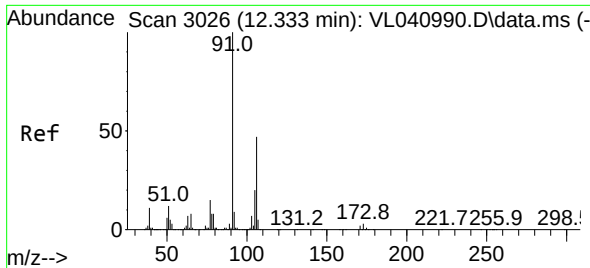
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 2749
Delta R.T. 0.003 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19

Tgt Ion:117 Resp: 2298861
Ion Ratio Lower Upper
117 100
82 66.5 51.7 77.5
119 33.1 23.8 35.6





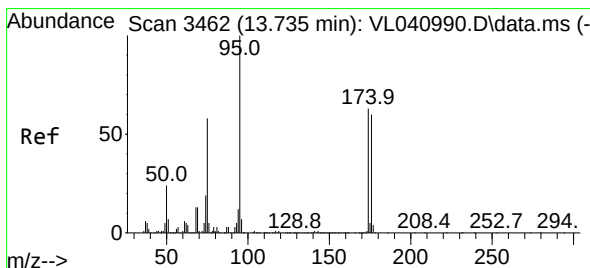
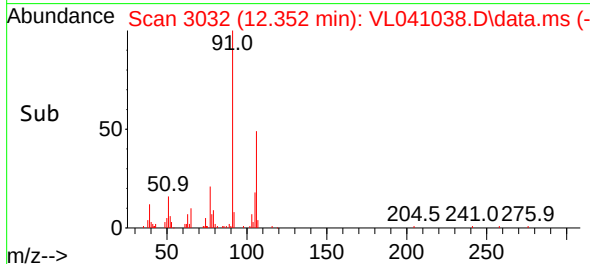
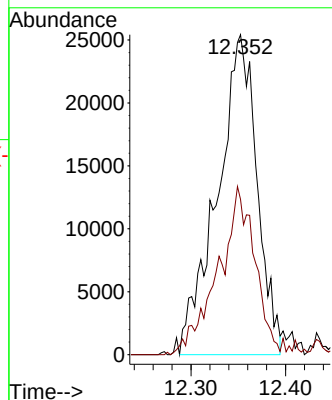
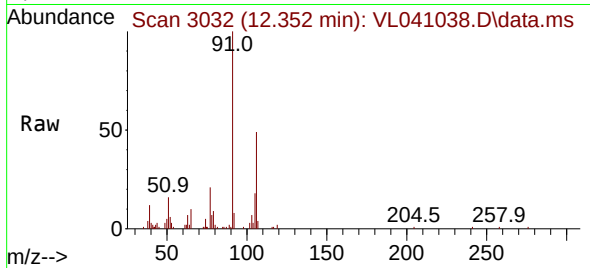
#59
m/p-Xylene
Concen: 0.275 ppbv m
RT: 12.352 min Scan# 3026
Delta R.T. 0.003 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 7406
Ion Ratio Lower Upper
91 100
106 49.4 34.9 52.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.076 ppbv
RT: 13.754 min Scan# 3468
Delta R.T. 0.007 min
Lab File: VL041038.D
Acq: 7 Feb 2024 13:19

Tgt Ion: 95 Resp: 1749569
Ion Ratio Lower Upper
95 100
174 62.2 49.1 73.7
175 4.6 3.7 5.5

