

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
 Data File : VL041055.D
 Acq On : 9 Feb 2024 13:06
 Operator : SY/MD
 Sample : P1420-05DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS3DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/12/2024
 Supervised By :Mahesh Dadoda 02/12/2024

Quant Time: Feb 12 00:45:52 2024

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

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

QLast Update : Mon Feb 12 00:40:04 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1237002	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.648	114	3531740	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	3253484	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2515379	10.236	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.400%
Target Compounds						
					Qvalue	
10) Heptane	7.571	43	26404m	0.157	ppbv	
13) Ethanol	3.250	45	40890m	2.514	ppbv	
15) Acetone	3.475	43	151856	0.960	ppbv #	86
19) Isopropyl Alcohol	3.591	45	30618	0.334	ppbv #	83
26) Hexane	5.211	57	264857	2.166	ppbv #	39
34) 2-Butanone	4.793	43	161080	0.957	ppbv	97
51) 2-Hexanone	9.558	43	162590m	0.761	ppbv	
52) Tetrachloroethene	10.613	164	40036	0.413	ppbv	88
53) Toluene	9.217	91	156153	0.489	ppbv	99
58) Ethyl Benzene	12.089	91	67335m	0.154	ppbv	
59) m/p-Xylene	12.343	91	219833	0.577	ppbv	91
60) o-Xylene	13.053	91	80641	0.221	ppbv	88
63) 1,1,2,2-Tetrachloroethane	13.024	83	38448m	0.135	ppbv	
74) 1,2,4-Trimethylbenzene	16.098	105	72913m	0.178	ppbv	

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

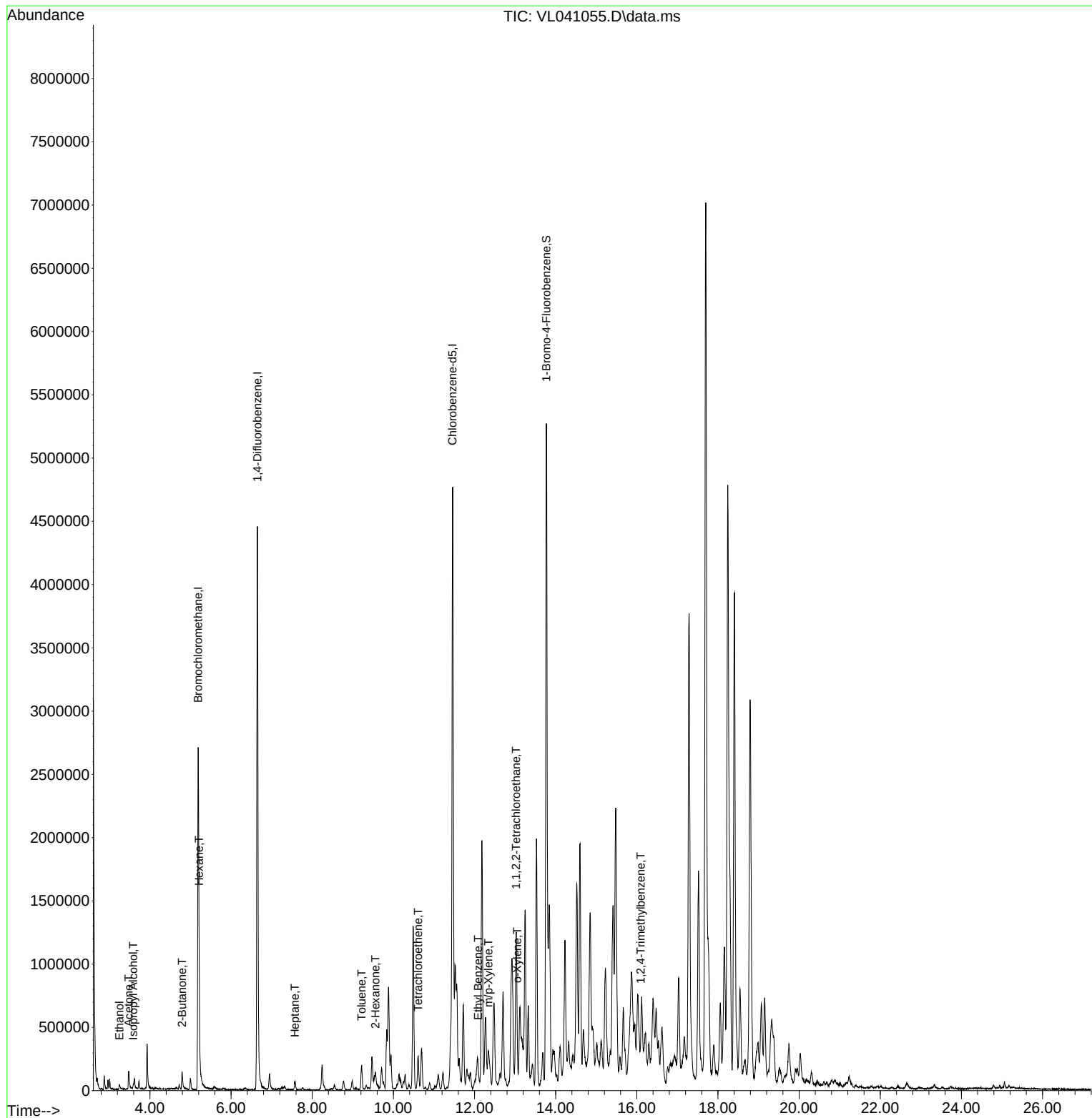
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
Data File : VL041055.D
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Misc : 400mL/MSVOA_L
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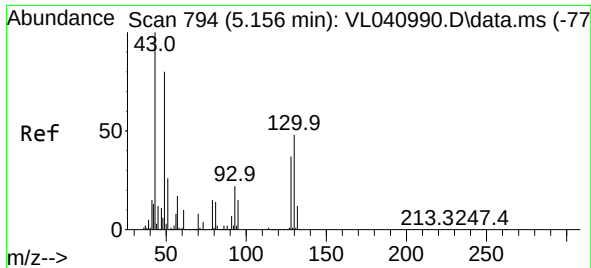
Instrument :
MSVOA_L
ClientSampleId :
SS3DL

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Quant Time: Feb 12 00:45:52 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 : Mon Feb 12 00:40:04 2024
Response via : Initial Calibration





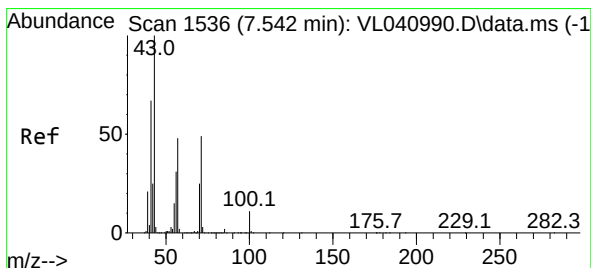
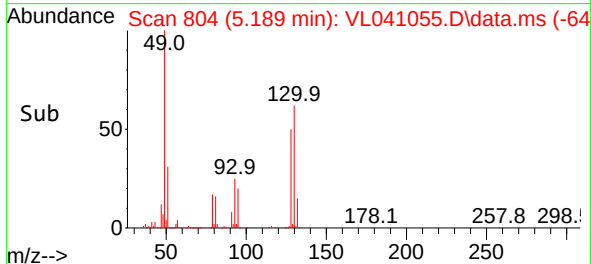
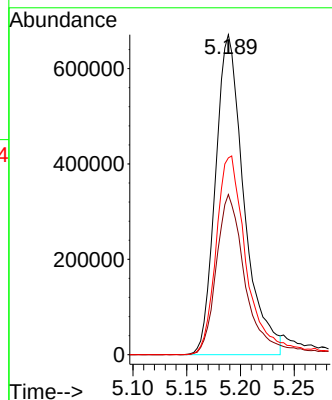
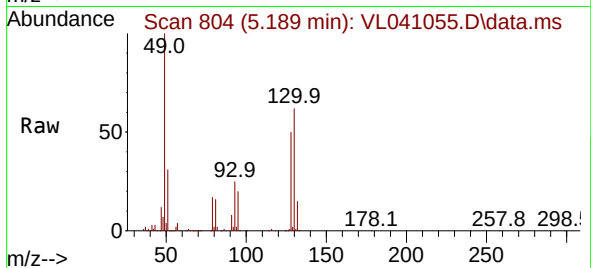
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. 0.013 min
Lab File: VL041055.D
Acq: 9 Feb 2024 13:06

Instrument :
MSVOA_L
ClientSampleId :
SS3DL

Tgt Ion: 49 Resp: 123700
Ion Ratio Lower Upper
49 100
128 54.2 23.9 71.7
130 69.0 31.1 93.5

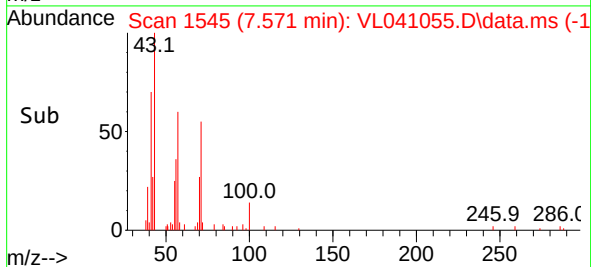
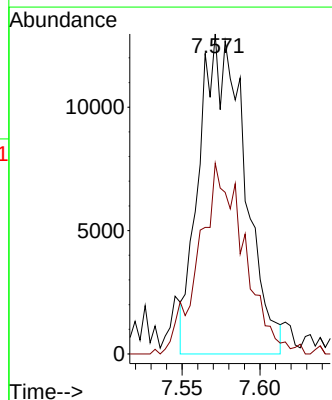
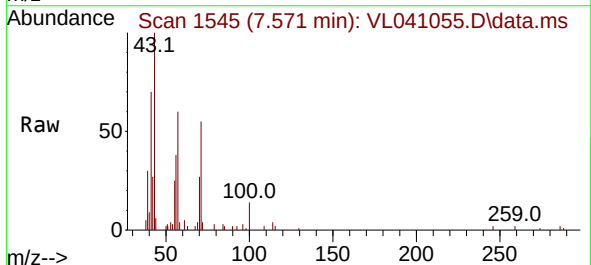
Manual Integrations
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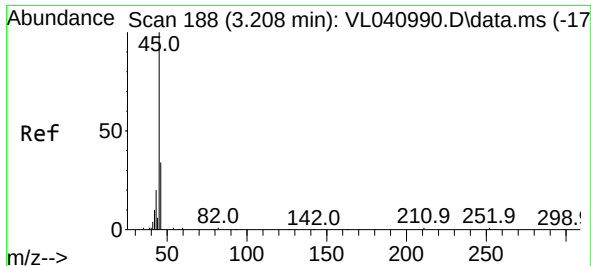
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#10
Heptane
Concen: 0.157 ppbv m
RT: 7.571 min Scan# 1545
Delta R.T. 0.003 min
Lab File: VL041055.D
Acq: 9 Feb 2024 13:06

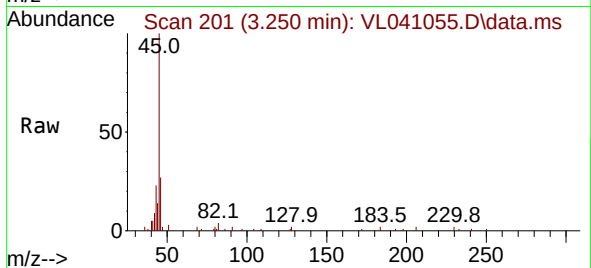
Tgt Ion: 43 Resp: 26404
Ion Ratio Lower Upper
43 100
57 0.0 39.4 59.2#





#13
Ethanol
Concen: 2.514 ppbv m
RT: 3.250 min Scan# 201
Delta R.T. 0.026 min
Lab File: VL041055.D
Acq: 9 Feb 2024 13:06

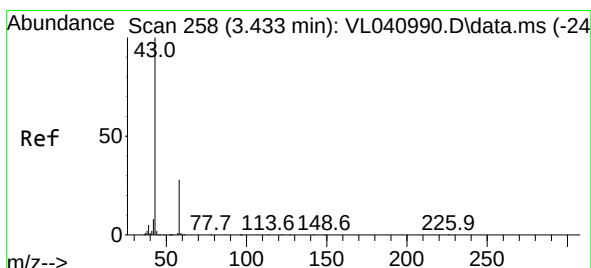
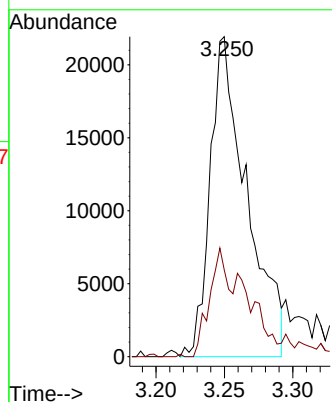
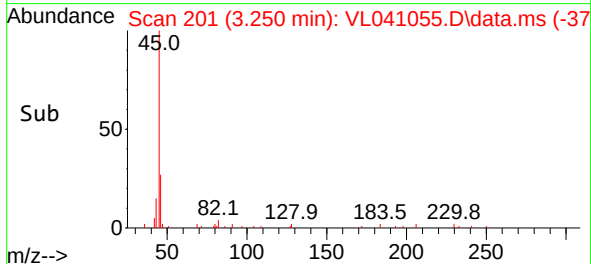
Instrument :
MSVOA_L
ClientSampleId :
SS3DL



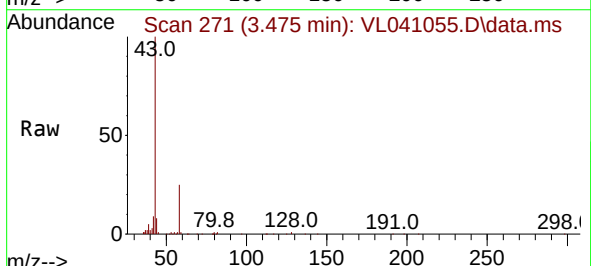
Tgt Ion: 45 Resp: 40890
Ion Ratio Lower Upper
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46 35.3 16.2 64.8

Manual Integrations
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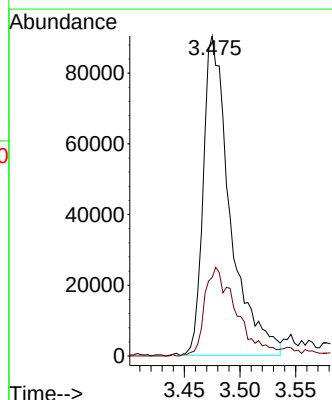
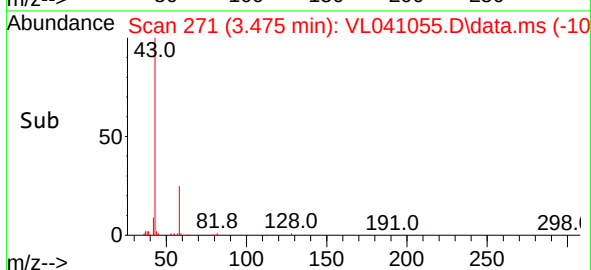
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024

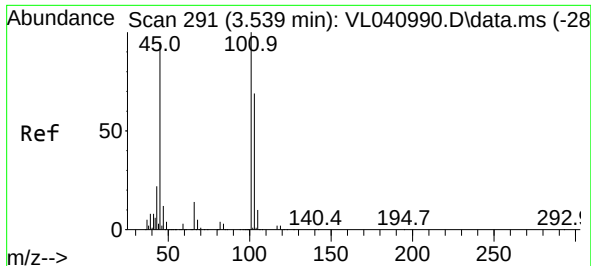


#15
Acetone
Concen: 0.960 ppbv
RT: 3.475 min Scan# 271
Delta R.T. 0.023 min
Lab File: VL041055.D
Acq: 9 Feb 2024 13:06



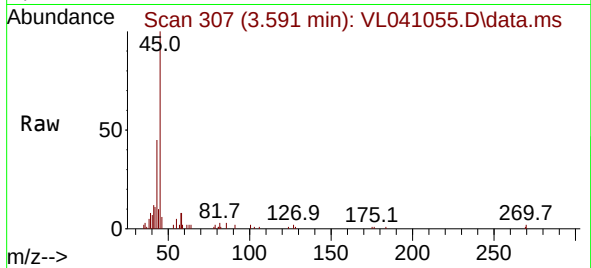
Tgt Ion: 43 Resp: 151856
Ion Ratio Lower Upper
43 100
58 35.3 22.2 33.2#





#19
Isopropyl Alcohol
Concen: 0.334 ppbv
RT: 3.591 min Scan# 307
Delta R.T. 0.029 min
Lab File: VL041055.D
Acq: 9 Feb 2024 13:06

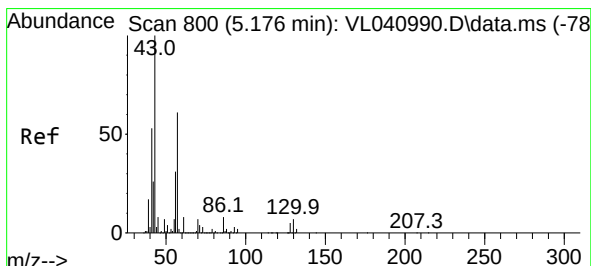
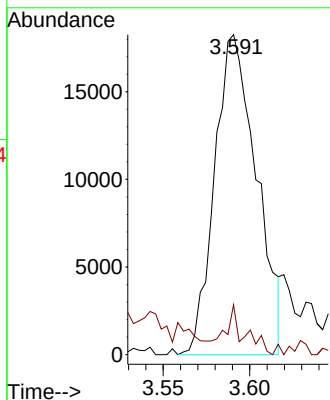
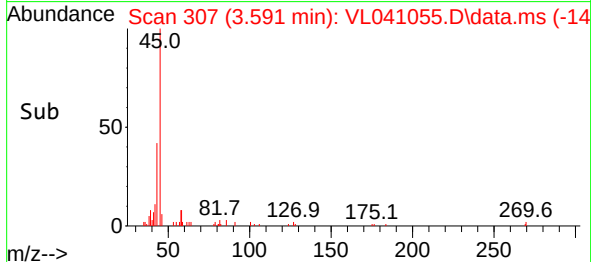
Instrument :
MSVOA_L
ClientSampleId :
SS3DL



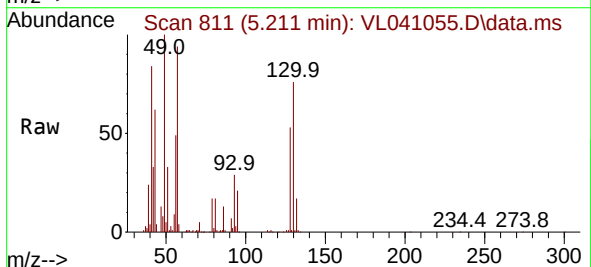
Tgt Ion: 45 Resp: 30618
Ion Ratio Lower Upper
45 100
58 8.5 2.2 3.4

Manual Integrations
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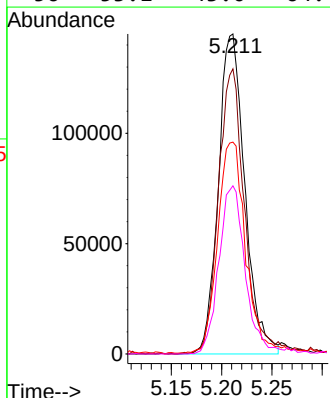
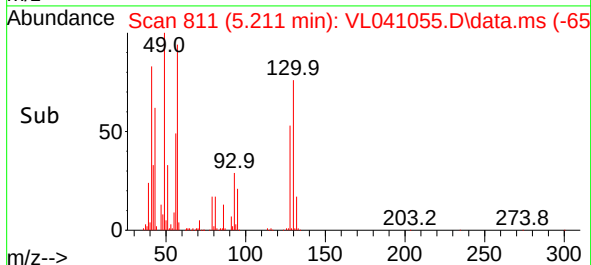
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024

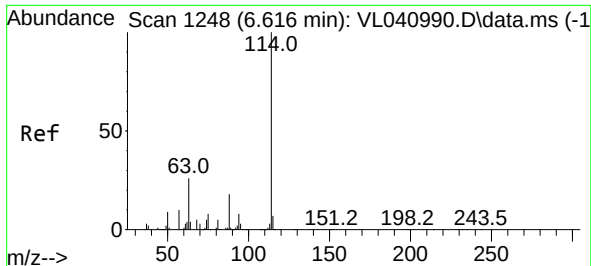


#26
Hexane
Concen: 2.166 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL041055.D
Acq: 9 Feb 2024 13:06



Tgt Ion: 57 Resp: 264857
Ion Ratio Lower Upper
57 100
41 90.7 74.4 111.6
43 72.1 190.6 285.8#
56 53.1 43.0 64.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL041055.D

Acq: 9 Feb 2024 13:06

Instrument :

MSVOA_L

ClientSampleId :

SS3DL

Tgt Ion:114 Resp: 3531740

Ion Ratio Lower Upper

114 100

63 24.0 20.8 31.2

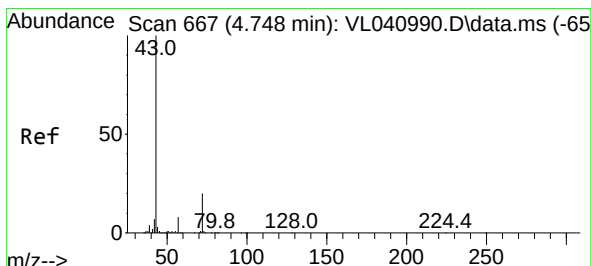
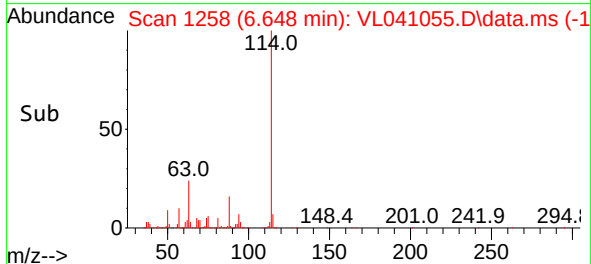
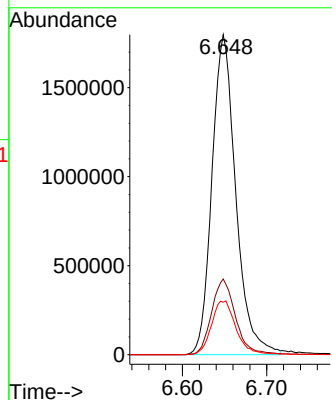
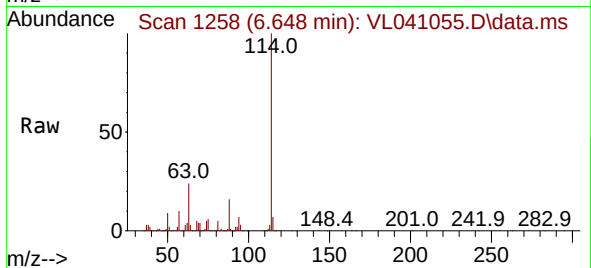
88 17.6 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/12/2024

Supervised By :Mahesh Dadoda 02/12/2024



#34

2-Butanone

Concen: 0.957 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.023 min

Lab File: VL041055.D

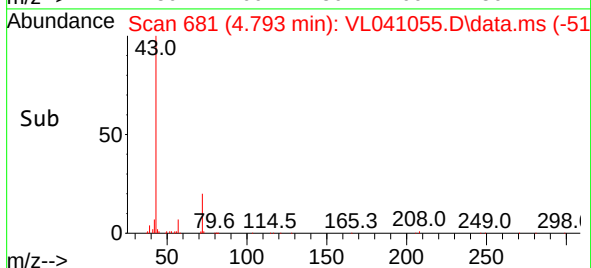
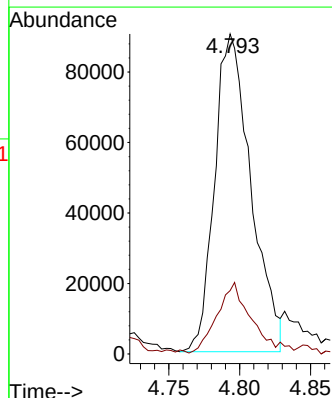
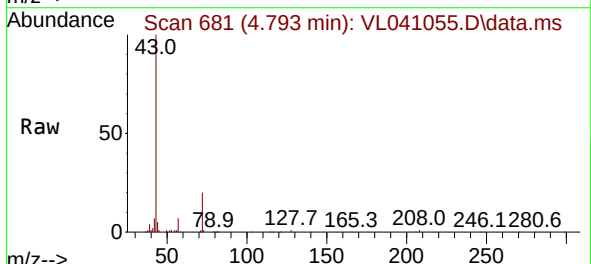
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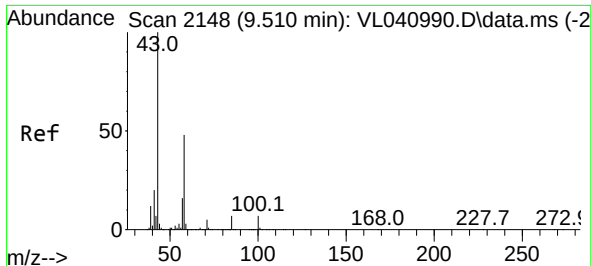
Tgt Ion: 43 Resp: 161080

Ion Ratio Lower Upper

43 100

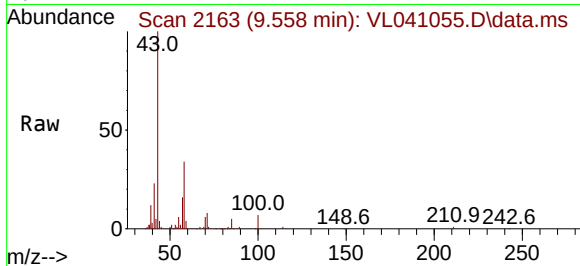
72 23.6 17.5 26.3





#51
2-Hexanone
Concen: 0.761 ppbv m
RT: 9.558 min Scan# 2148
Delta R.T. 0.023 min
Lab File: VL041055.D
Acq: 9 Feb 2024 13:06

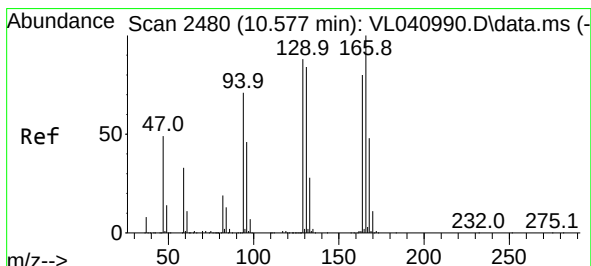
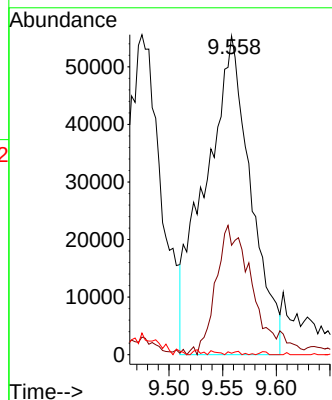
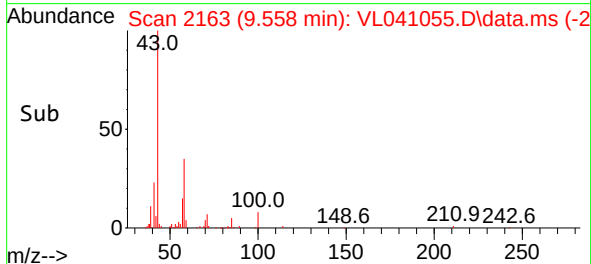
Instrument :
MSVOA_L
ClientSampleId :
SS3DL



Tgt Ion: 43 Resp: 162590
Ion Ratio Lower Upper
43 100
58 34.8 36.8 55.2
98 0.0 0.3 0.5

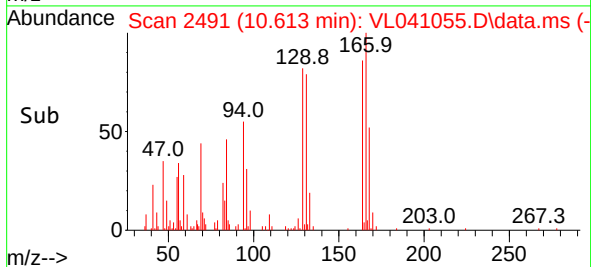
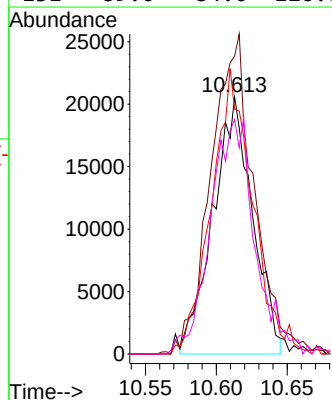
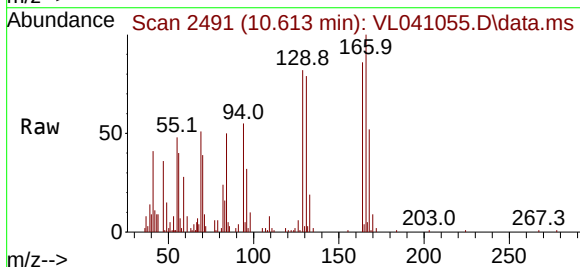
Manual Integrations
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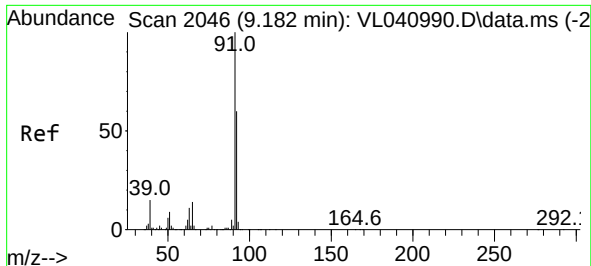
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#52
Tetrachloroethene
Concen: 0.413 ppbv
RT: 10.613 min Scan# 2491
Delta R.T. 0.010 min
Lab File: VL041055.D
Acq: 9 Feb 2024 13:06

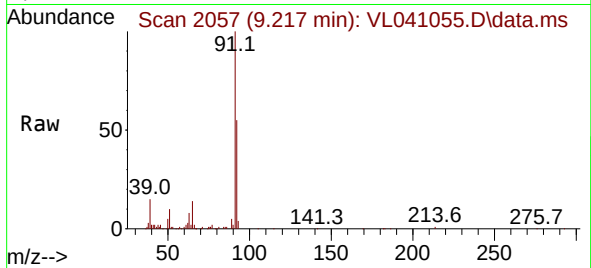
Tgt Ion:164 Resp: 40036
Ion Ratio Lower Upper
164 100
166 116.7 100.2 150.2
129 94.6 87.9 131.9
131 89.0 84.0 126.0





#53
Toluene
Concen: 0.489 ppbv
RT: 9.217 min Scan# 2046
Delta R.T. 0.010 min
Lab File: VL041055.D
Acq: 9 Feb 2024 13:06

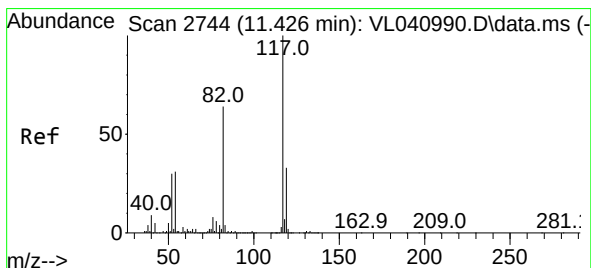
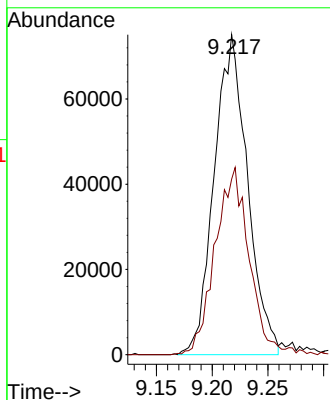
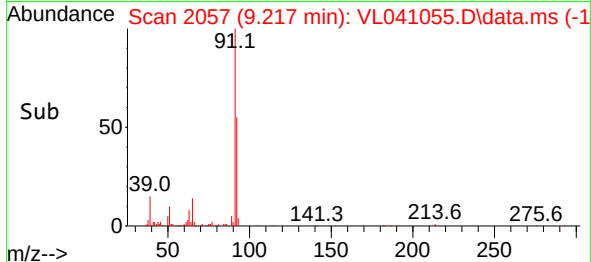
Instrument :
MSVOA_L
ClientSampleId :
SS3DL



Tgt Ion: 91 Resp: 15615
Ion Ratio Lower Upper
91 100
92 59.9 48.6 72.8

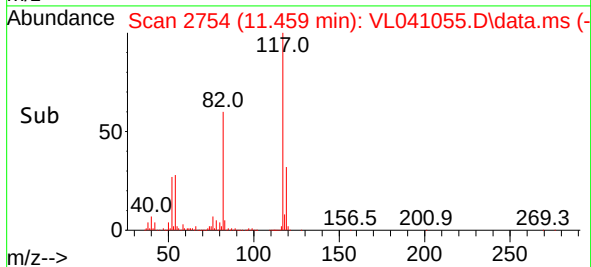
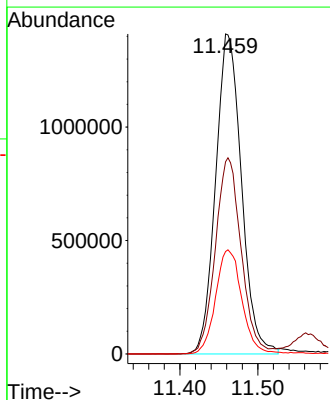
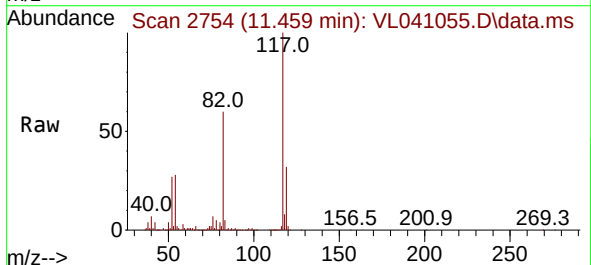
Manual Integrations
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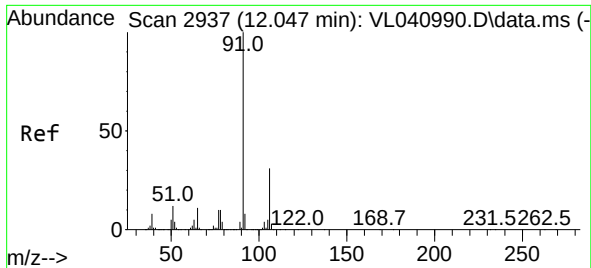
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.459 min Scan# 2754
Delta R.T. 0.006 min
Lab File: VL041055.D
Acq: 9 Feb 2024 13:06

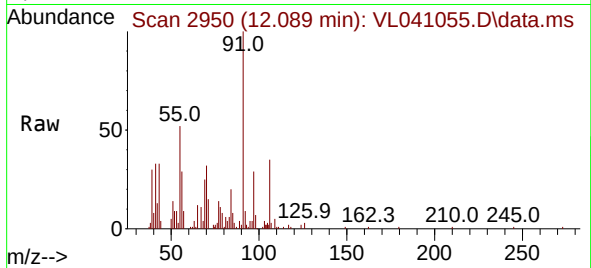
Tgt Ion:117 Resp: 3253484
Ion Ratio Lower Upper
117 100
82 61.4 51.7 77.5
119 33.3 23.8 35.6





#58
Ethyl Benzene
Concen: 0.154 ppbv m
RT: 12.089 min Scan# 2937
Delta R.T. 0.013 min
Lab File: VL041055.D
Acq: 9 Feb 2024 13:06

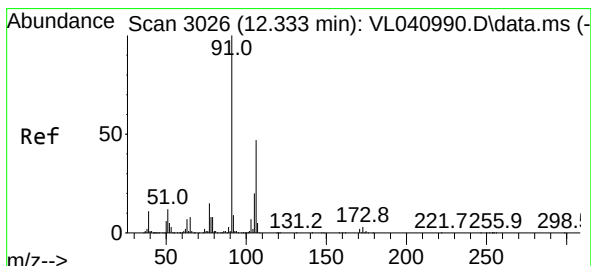
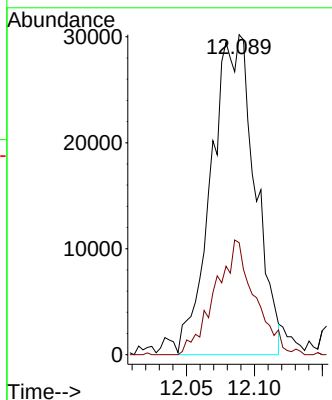
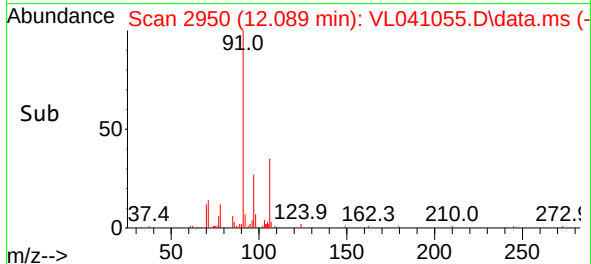
Instrument :
MSVOA_L
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SS3DL



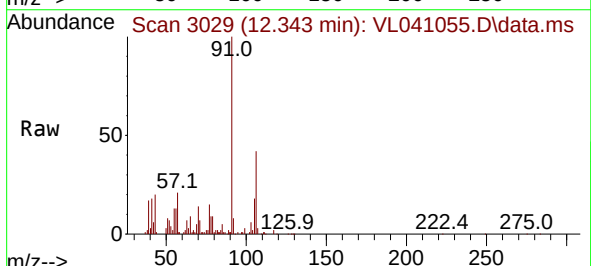
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Ion Ratio Lower Upper
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106 35.0 24.8 37.2

Manual Integrations
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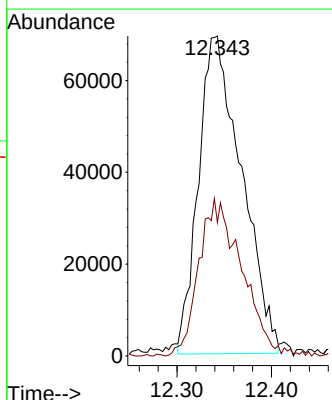
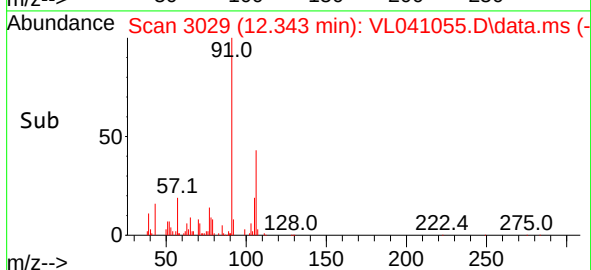
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024

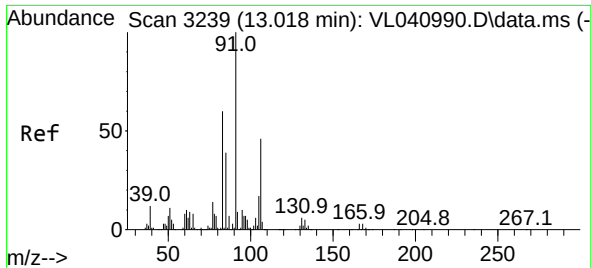


#59
m/p-Xylene
Concen: 0.577 ppbv
RT: 12.343 min Scan# 3029
Delta R.T. -0.013 min
Lab File: VL041055.D
Acq: 9 Feb 2024 13:06



Tgt Ion: 91 Resp: 219833
Ion Ratio Lower Upper
91 100
106 49.4 34.9 52.3





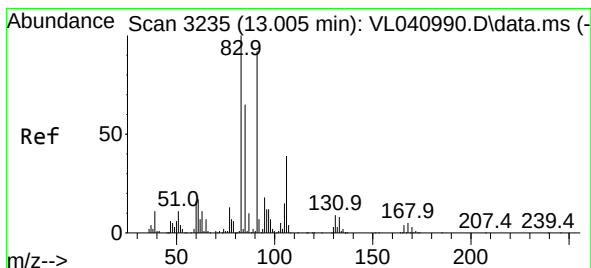
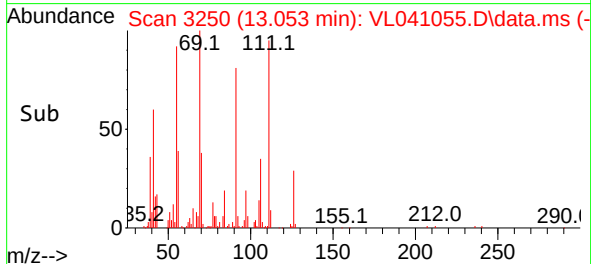
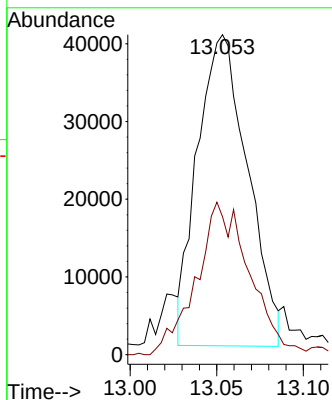
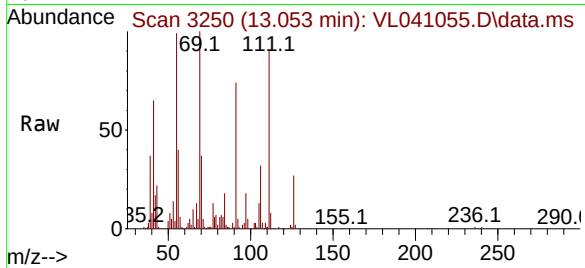
#60
o-Xylene
Concen: 0.221 ppbv
RT: 13.053 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL041055.D
Acq: 9 Feb 2024 13:06

Instrument :
MSVOA_L
ClientSampleId :
SS3DL

Tgt Ion: 91 Resp: 8064
Ion Ratio Lower Upper
91 100
106 52.9 22.6 67.7

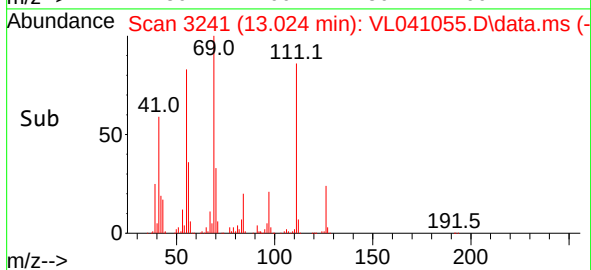
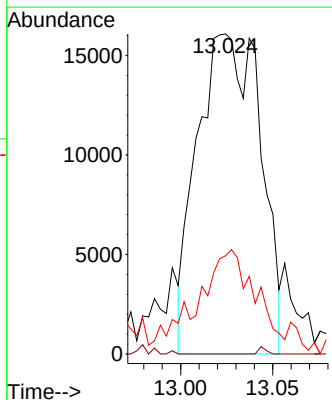
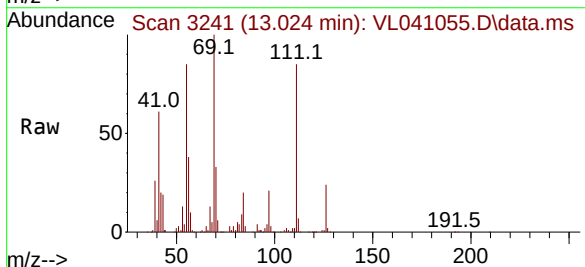
Manual Integrations
APPROVED

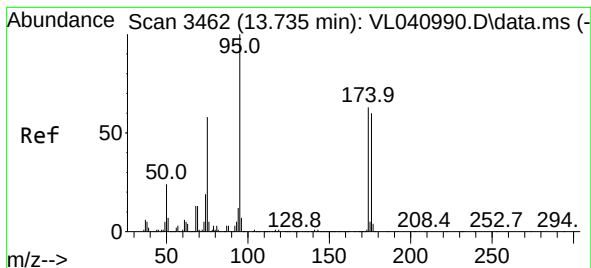
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#63
1,1,2,2-Tetrachloroethane
Concen: 0.135 ppbv m
RT: 13.024 min Scan# 3241
Delta R.T. -0.010 min
Lab File: VL041055.D
Acq: 9 Feb 2024 13:06

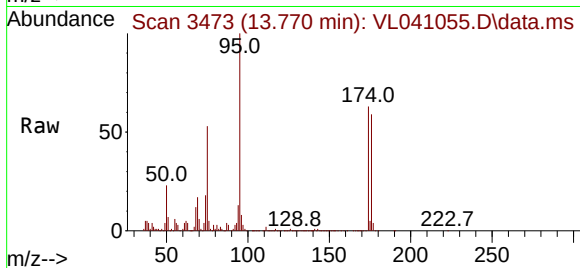
Tgt Ion: 83 Resp: 38448
Ion Ratio Lower Upper
83 100
131 0.3 4.6 13.8#
85 0.0 33.0 99.0#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.236 ppbv
RT: 13.770 min Scan# 3462
Delta R.T. 0.010 min
Lab File: VL041055.D
Acq: 9 Feb 2024 13:06

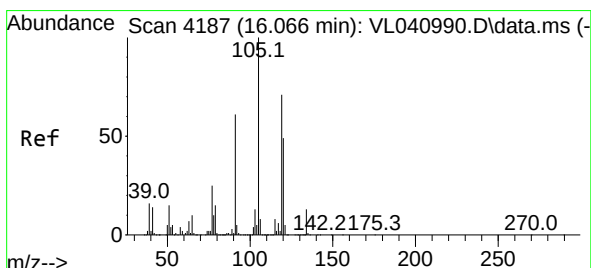
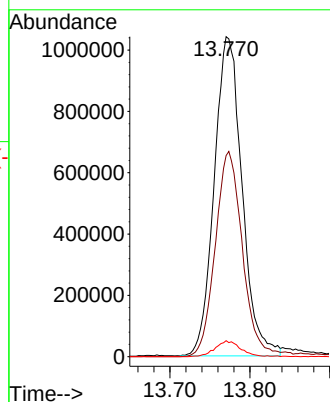
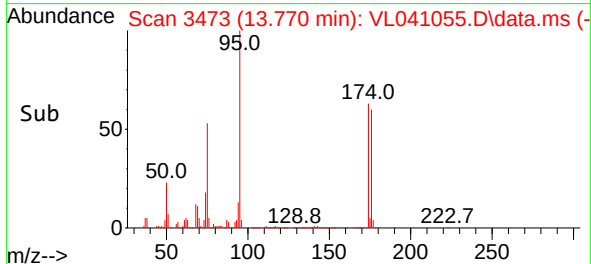
Instrument :
MSVOA_L
ClientSampleId :
SS3DL



Tgt Ion: 95 Resp: 2515379
Ion Ratio Lower Upper
95 100
174 65.1 49.1 73.7
175 4.6 3.7 5.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.178 ppbv m
RT: 16.098 min Scan# 4197
Delta R.T. 0.003 min
Lab File: VL041055.D
Acq: 9 Feb 2024 13:06

Tgt Ion:105 Resp: 72913
Ion Ratio Lower Upper
105 100
120 46.6 39.3 58.9
91 20.1 48.7 73.1#
77 23.8 19.8 29.8

