

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020724\
 Data File : VL041040.D
 Acq On : 7 Feb 2024 14:41
 Operator : SY/MD
 Sample : P1393-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1

Manual Integrations
 APPROVED

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

Quant Time: Feb 08 02:44:05 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 : Thu Feb 08 02:04:13 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.173	49	1032618	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	2606503	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2320226	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1777798	10.144	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.713	85	117636	0.516	ppbv	98
3) Chlorodifluoromethane	2.658	51	58307m	0.336	ppbv	
4) Chloromethane	2.793	50	30866	0.474	ppbv	92
10) Heptane	7.562	43	18331m	0.131	ppbv	
11) Trichlorofluoromethane	3.546	101	43251	0.235	ppbv	99
13) Ethanol	3.224	45	131871	9.713	ppbv	97
15) Acetone	3.456	43	419673	3.178	ppbv	95
20) Methylene Chloride	3.915	84	487202	9.588	ppbv	96
26) Hexane	5.195	57	379623	3.720	ppbv #	40
34) 2-Butanone	4.780	43	26987	0.217	ppbv	92
35) Carbon Tetrachloride	6.472	117	12116m	0.070	ppbv	
36) Benzene	6.346	78	26472	0.123	ppbv #	86
53) Toluene	9.201	91	82454m	0.350	ppbv	
59) m/p-Xylene	12.346	91	50104m	0.184	ppbv	

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

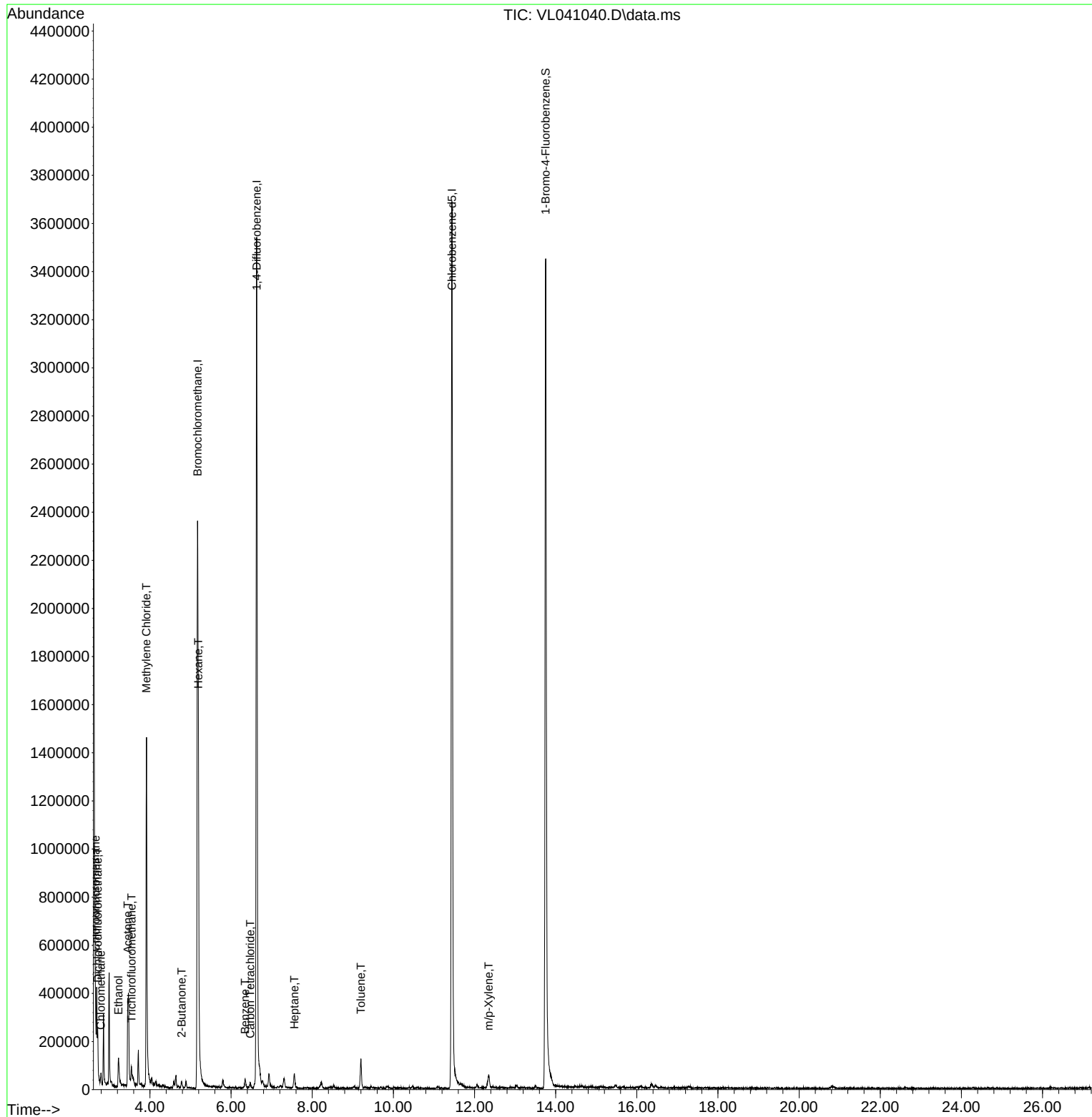
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020724\
Data File : VL041040.D
Acq On : 7 Feb 2024 14:41
Operator : SY/MD
Sample : P1393-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

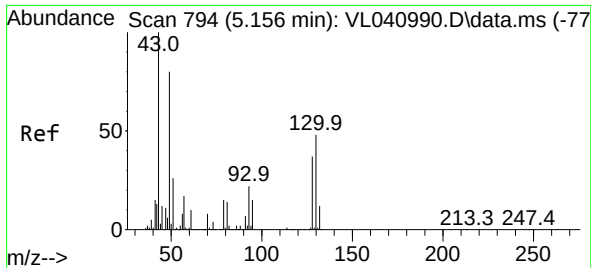
Instrument :
MSVOA_L
ClientSampleId :
OA-1

Quant Time: Feb 08 02:44:05 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

Manual Integrations
APPROVED

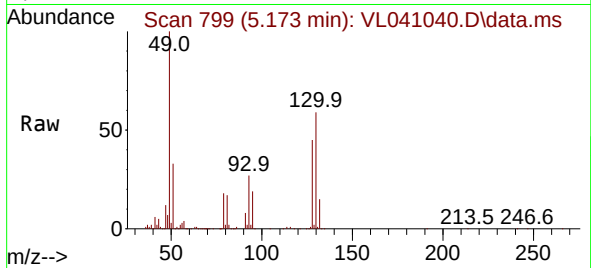
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.173 min Scan# 794
Delta R.T. 0.007 min
Lab File: VL041040.D
Acq: 7 Feb 2024 14:41

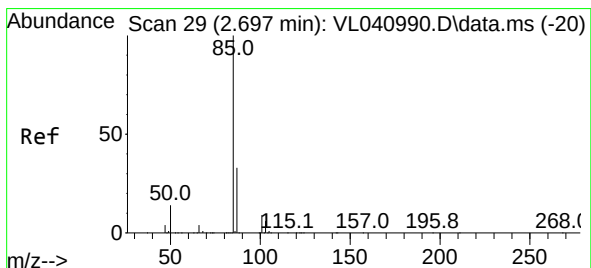
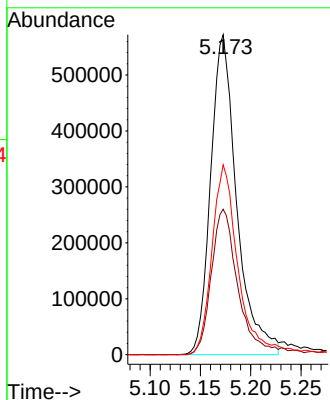
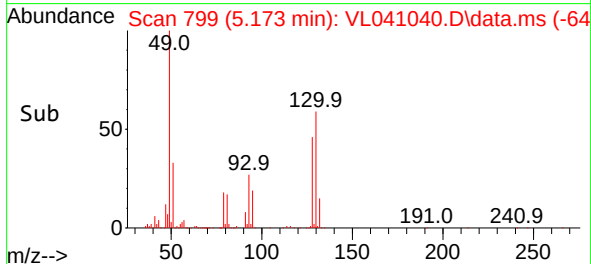
Instrument :
MSVOA_L
ClientSampleId :
OA-1



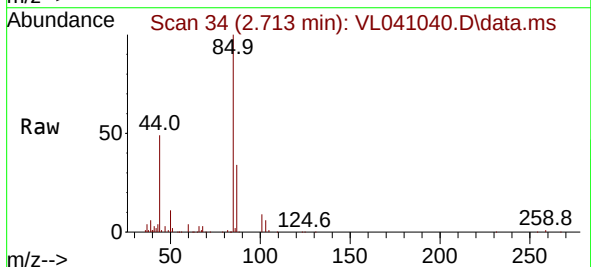
Tgt Ion: 49 Resp: 1032618
Ion Ratio Lower Upper
49 100
128 48.6 23.9 71.7
130 61.3 31.1 93.5

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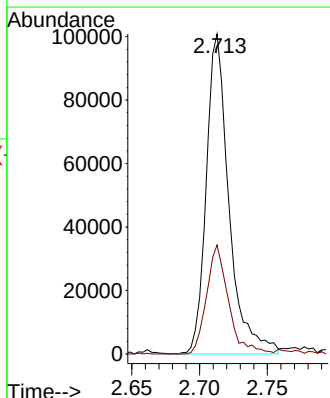
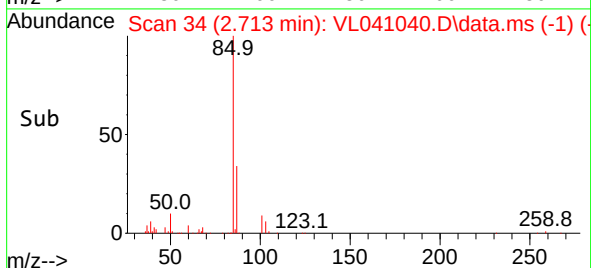
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

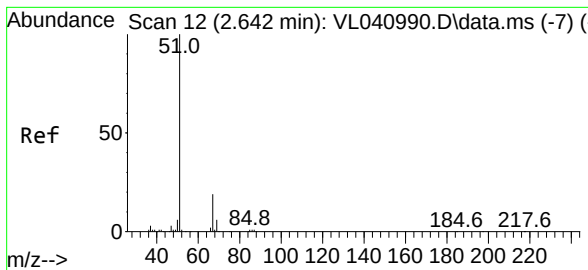


#2
Dichlorodifluoromethane
Concen: 0.516 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.010 min
Lab File: VL041040.D
Acq: 7 Feb 2024 14:41



Tgt Ion: 85 Resp: 117636
Ion Ratio Lower Upper
85 100
87 34.1 26.3 39.5





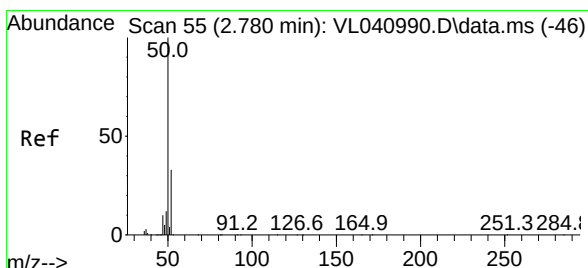
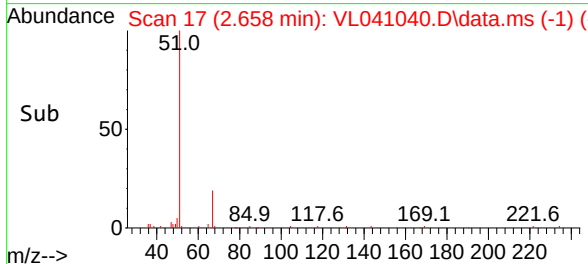
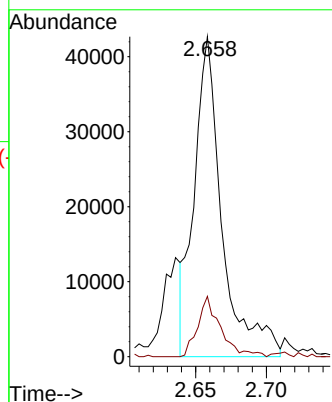
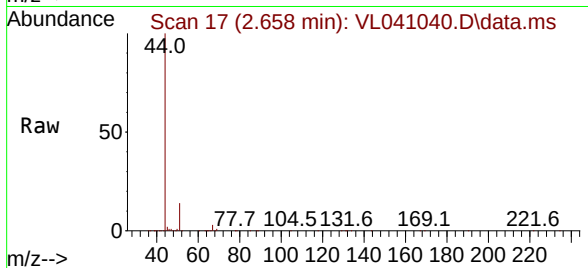
#3
Chlorodifluoromethane
Concen: 0.336 ppbv m
RT: 2.658 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041040.D
Acq: 7 Feb 2024 14:41

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Tgt Ion: 51 Resp: 5830
Ion Ratio Lower Upper
51 100
67 15.7 14.8 22.2

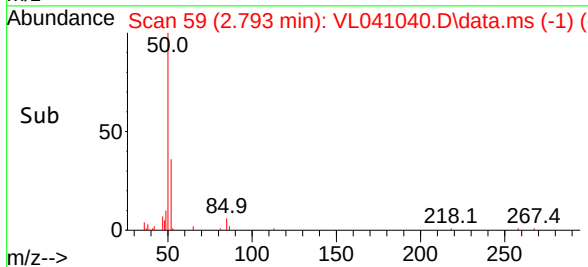
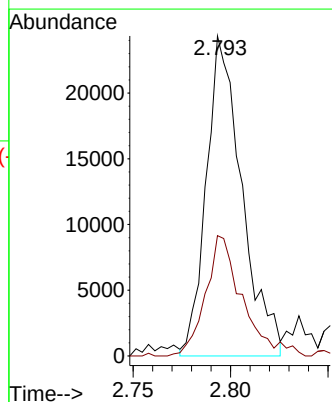
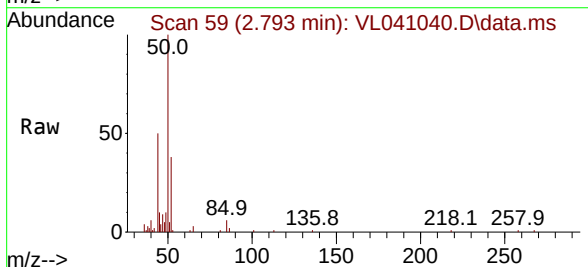
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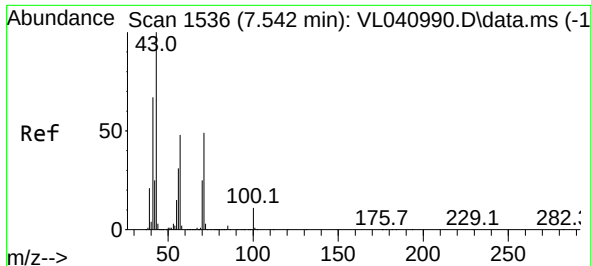
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#4
Chloromethane
Concen: 0.474 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.007 min
Lab File: VL041040.D
Acq: 7 Feb 2024 14:41

Tgt Ion: 50 Resp: 30866
Ion Ratio Lower Upper
50 100
52 37.4 26.2 39.4





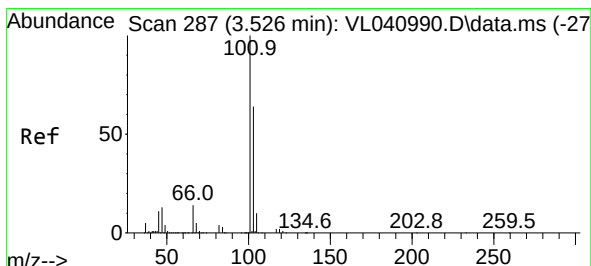
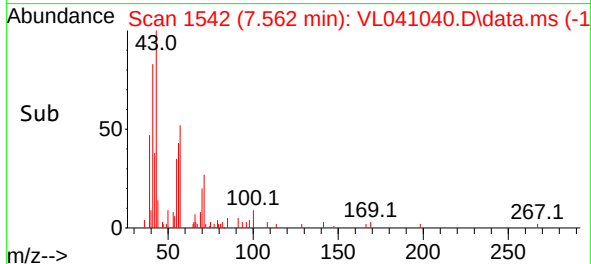
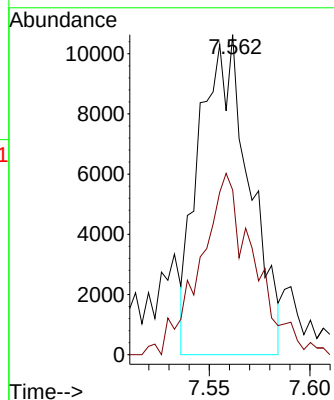
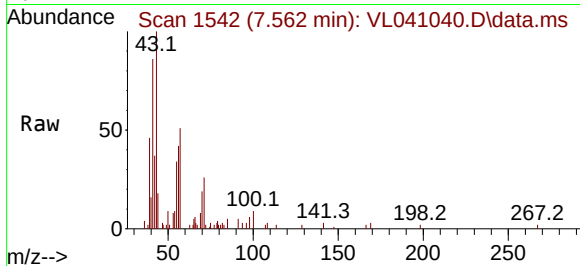
#10
Heptane
Concen: 0.131 ppbv m
RT: 7.562 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL041040.D
Acq: 7 Feb 2024 14:41

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Tgt Ion: 43 Resp: 1833
Ion Ratio Lower Upper
43 100
57 61.5 39.4 59.2

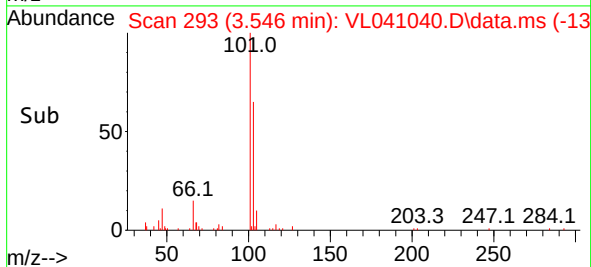
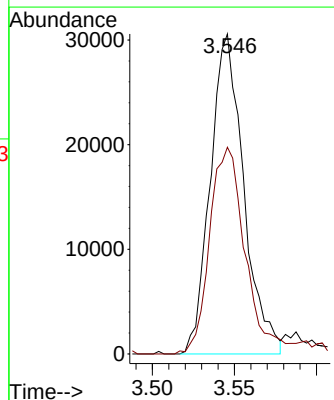
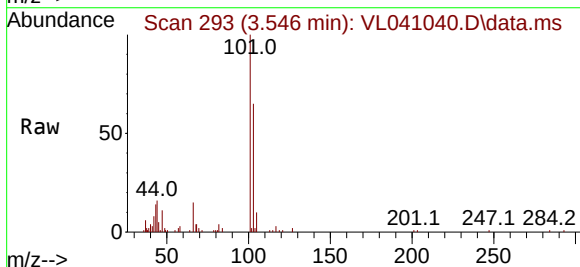
Manual Integrations
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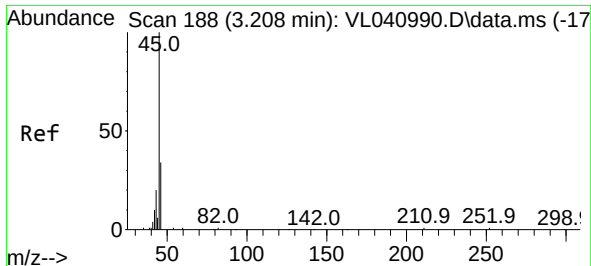
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#11
Trichlorofluoromethane
Concen: 0.235 ppbv
RT: 3.546 min Scan# 293
Delta R.T. 0.013 min
Lab File: VL041040.D
Acq: 7 Feb 2024 14:41

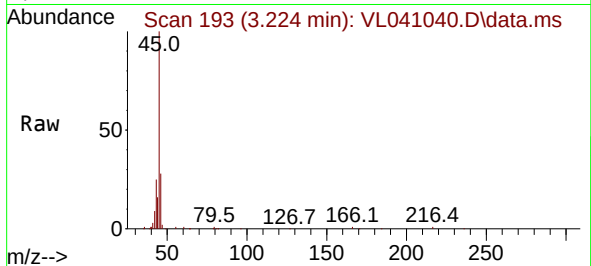
Tgt Ion:101 Resp: 43251
Ion Ratio Lower Upper
101 100
103 63.7 51.4 77.2





#13
Ethanol
Concen: 9.713 ppbv
RT: 3.224 min Scan# 193
Delta R.T. 0.010 min
Lab File: VL041040.D
Acq: 7 Feb 2024 14:41

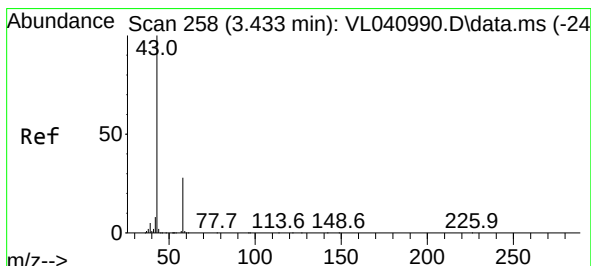
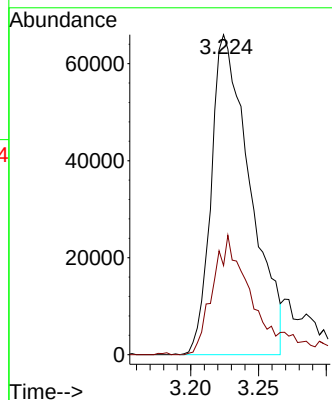
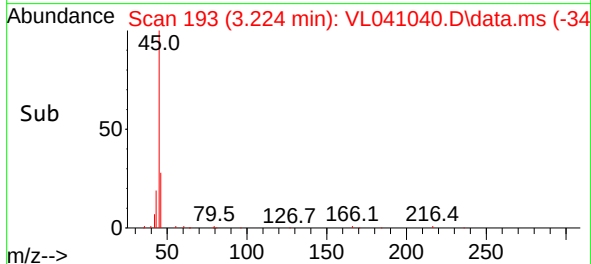
Instrument :
MSVOA_L
ClientSampleId :
OA-1



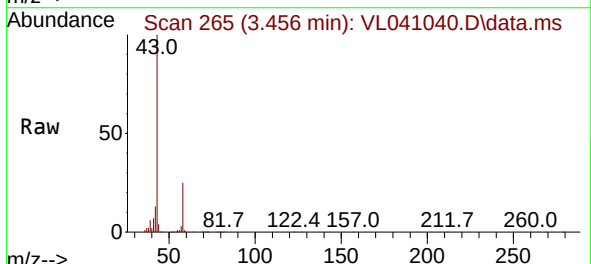
Tgt Ion: 45 Resp: 13187
Ion Ratio Lower Upper
45 100
46 42.2 16.2 64.8

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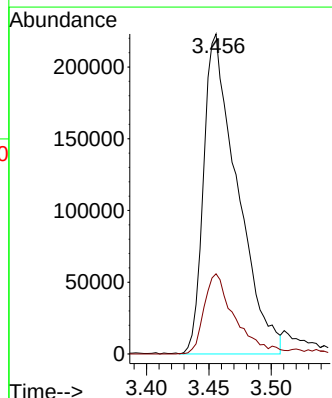
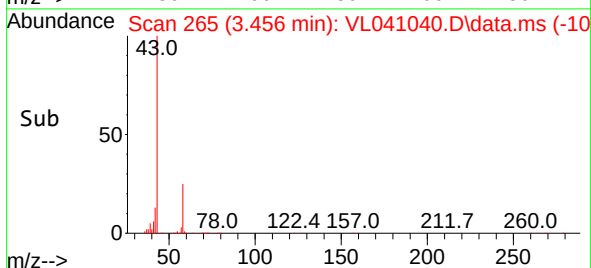
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

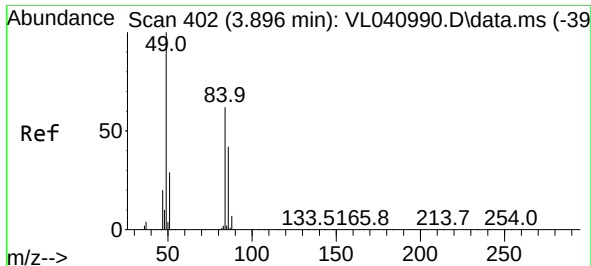


#15
Acetone
Concen: 3.178 ppbv
RT: 3.456 min Scan# 265
Delta R.T. 0.016 min
Lab File: VL041040.D
Acq: 7 Feb 2024 14:41



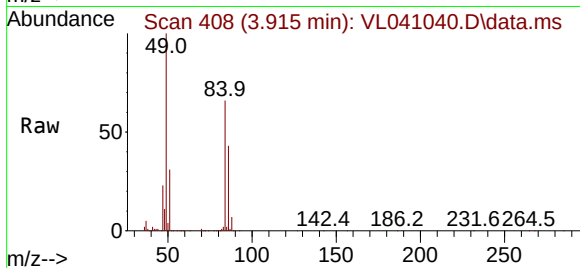
Tgt Ion: 43 Resp: 419673
Ion Ratio Lower Upper
43 100
58 25.2 22.2 33.2





#20
Methylene Chloride
Concen: 9.588 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.010 min
Lab File: VL041040.D
Acq: 7 Feb 2024 14:41

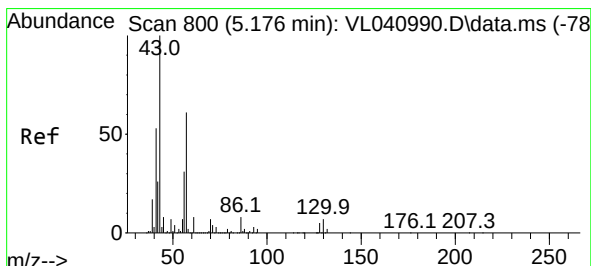
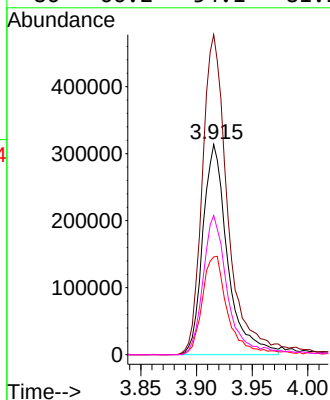
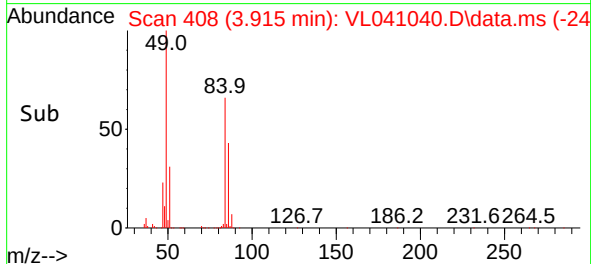
Instrument :
MSVOA_L
ClientSampleId :
OA-1



Tgt Ion: 84 Resp: 48720
Ion Ratio Lower Upper
84 100
49 152.1 128.1 192.1
51 46.3 36.5 54.7
86 66.2 54.1 81.1

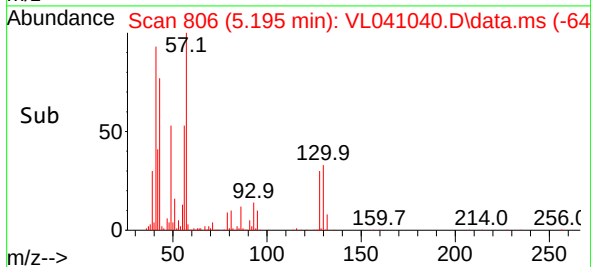
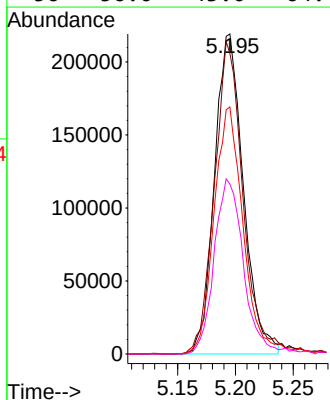
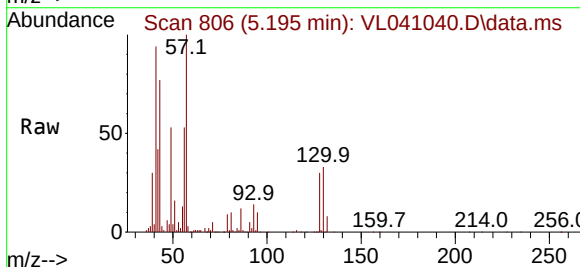
Manual Integrations
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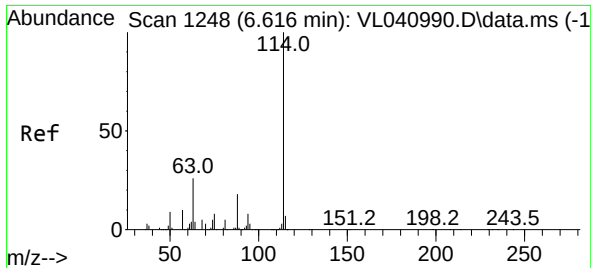
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#26
Hexane
Concen: 3.720 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.010 min
Lab File: VL041040.D
Acq: 7 Feb 2024 14:41

Tgt Ion: 57 Resp: 379623
Ion Ratio Lower Upper
57 100
41 98.7 74.4 111.6
43 79.4 190.6 285.8#
56 56.0 43.0 64.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 114

Delta R.T. 0.007 min

Lab File: VL041040.D

Acq: 7 Feb 2024 14:41

Instrument :

MSVOA_L

ClientSampleId :

OA-1

Tgt Ion:114 Resp: 260650

Ion Ratio Lower Upper

114 100

63 26.1 20.8 31.2

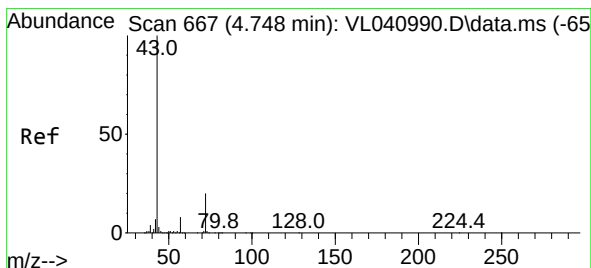
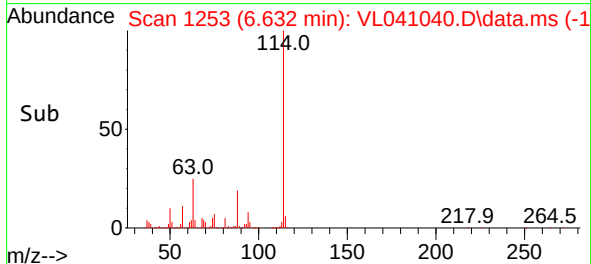
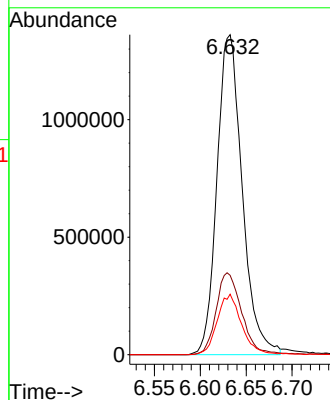
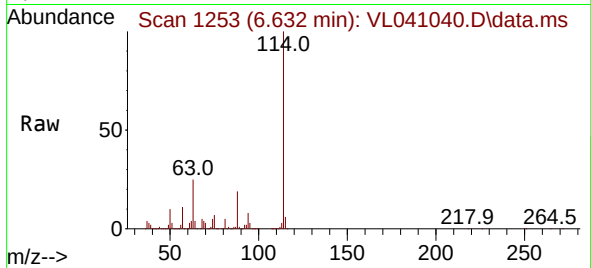
88 18.5 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#34

2-Butanone

Concen: 0.217 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.023 min

Lab File: VL041040.D

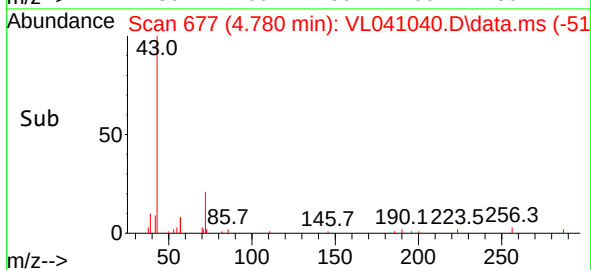
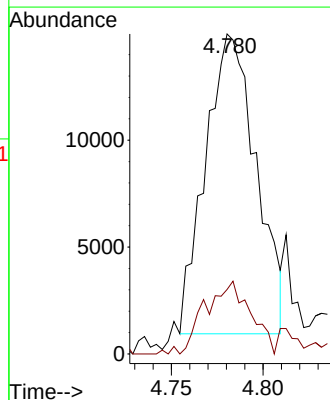
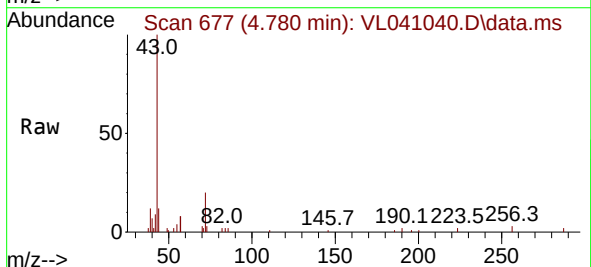
Acq: 7 Feb 2024 14:41

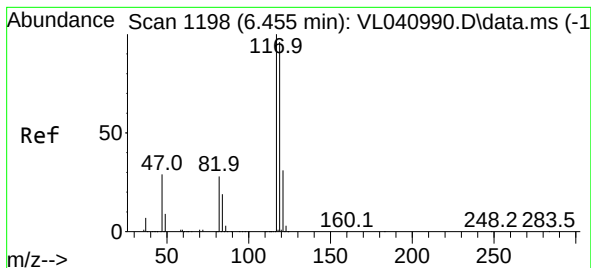
Tgt Ion: 43 Resp: 26987

Ion Ratio Lower Upper

43 100

72 25.7 17.5 26.3





#35

Carbon Tetrachloride

Concen: 0.070 ppbv

RT: 6.472 min Scan# 1198

Delta R.T. 0.007 min

Lab File: VL041040.D

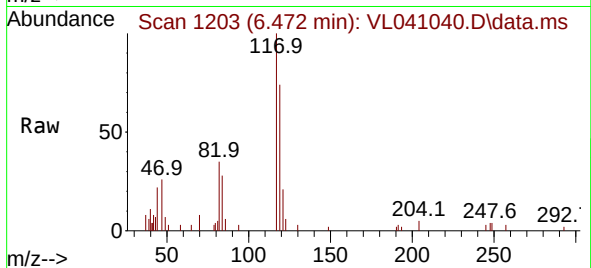
Acq: 7 Feb 2024 14:41

Instrument :

MSVOA_L

ClientSampleId :

OA-1



Tgt Ion:117 Resp: 12110

Ion Ratio Lower Upper

117 100

119 74.4 76.9 115.3

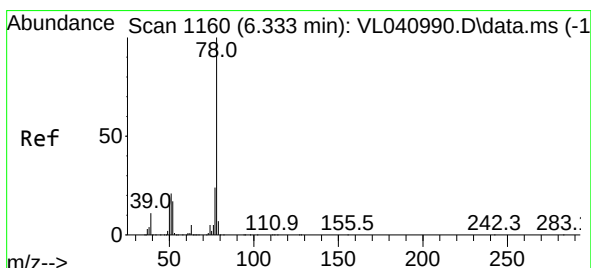
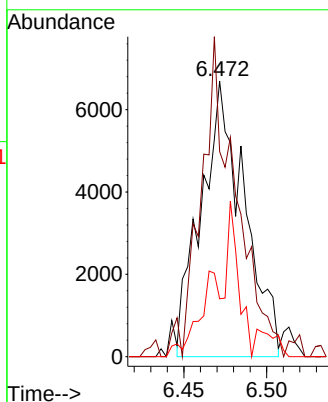
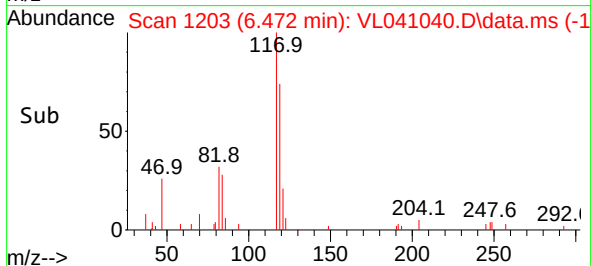
121 21.0 24.7 37.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#36

Benzene

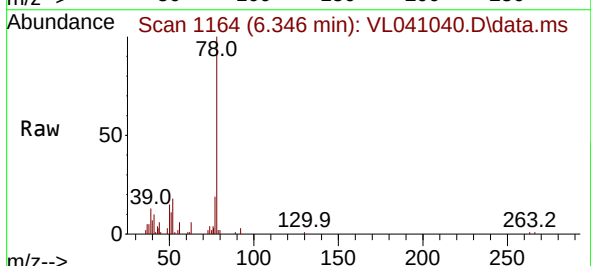
Concen: 0.123 ppbv

RT: 6.346 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL041040.D

Acq: 7 Feb 2024 14:41



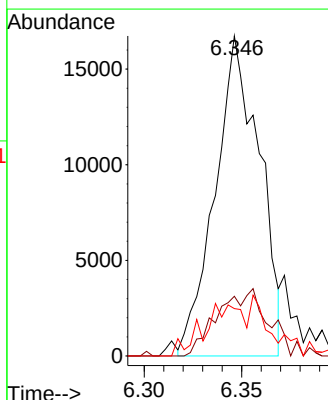
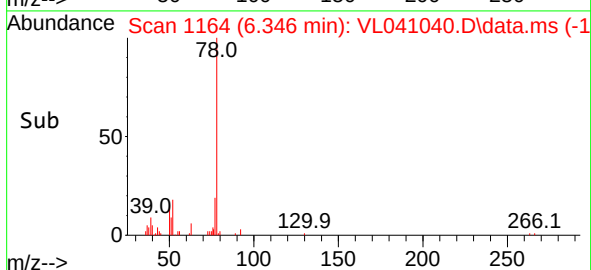
Tgt Ion: 78 Resp: 26472

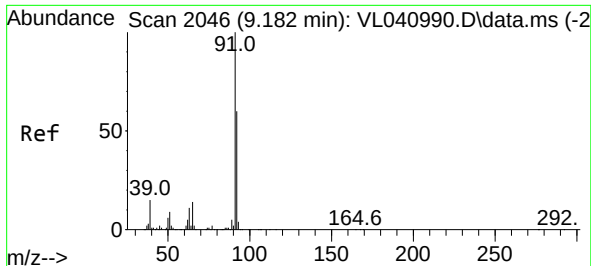
Ion Ratio Lower Upper

78 100

77 19.0 19.0 28.4

50 11.0 15.8 23.6





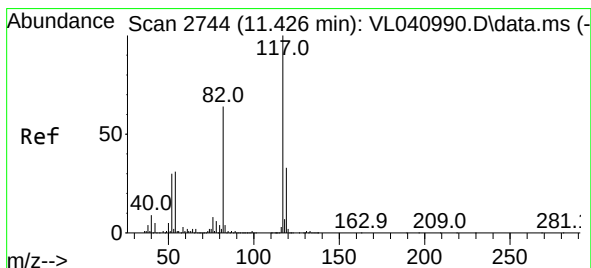
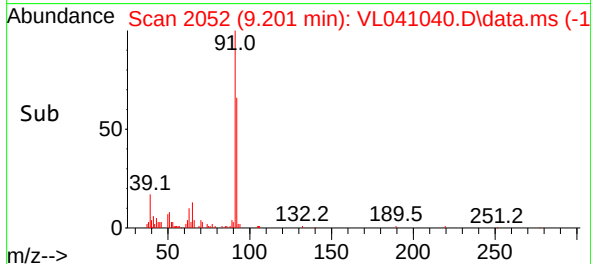
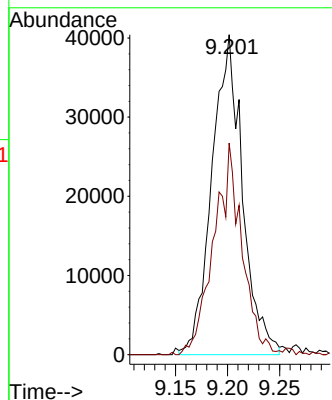
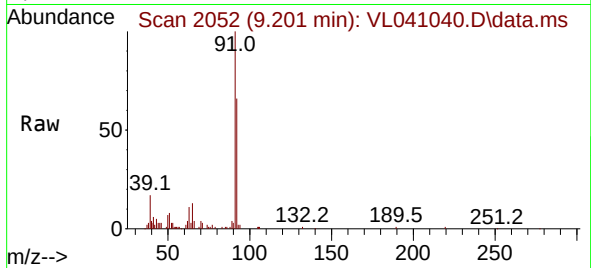
#53
Toluene
Concen: 0.350 ppbv m
RT: 9.201 min Scan# 2046
Delta R.T. 0.007 min
Lab File: VL041040.D
Acq: 7 Feb 2024 14:41

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Tgt Ion: 91 Resp: 82454
Ion Ratio Lower Upper
91 100
92 61.8 48.6 72.8

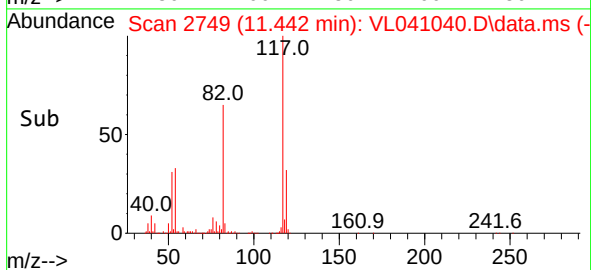
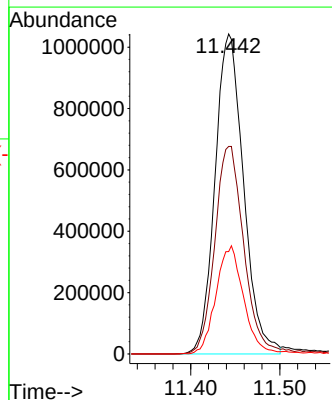
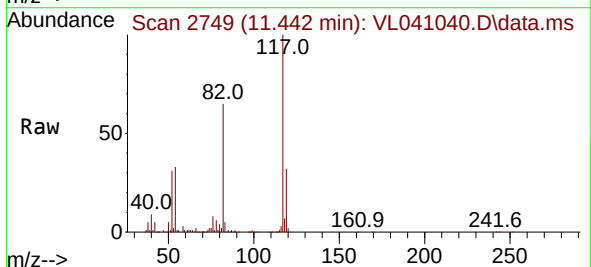
Manual Integrations
APPROVED

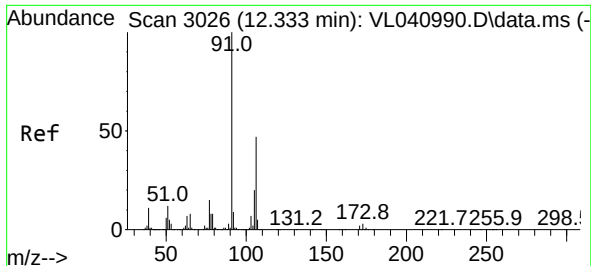
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 2749
Delta R.T. 0.003 min
Lab File: VL041040.D
Acq: 7 Feb 2024 14:41

Tgt Ion:117 Resp: 2320226
Ion Ratio Lower Upper
117 100
82 67.8 51.7 77.5
119 33.3 23.8 35.6





#59

m/p-Xylene

Concen: 0.184 ppbv m

RT: 12.346 min Scan# 3026

Delta R.T. -0.003 min

Lab File: VL041040.D

Acq: 7 Feb 2024 14:41

Instrument :

MSVOA_L

ClientSampleId :

OA-1

Tgt Ion: 91 Resp: 50104

Ion Ratio Lower Upper

91 100

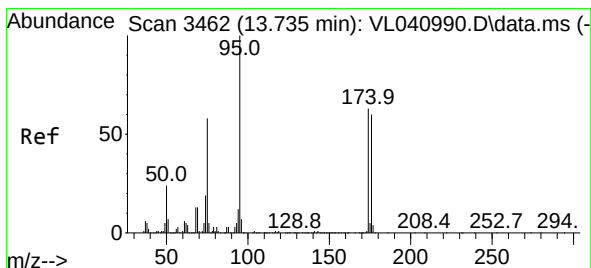
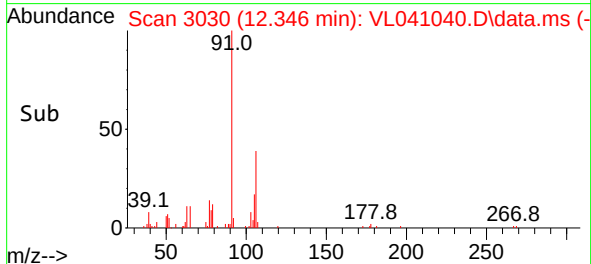
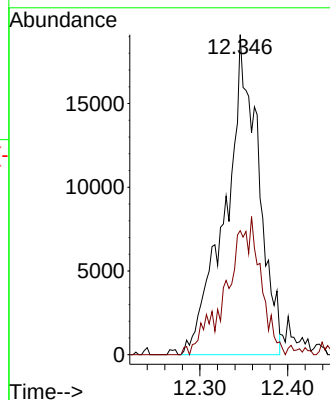
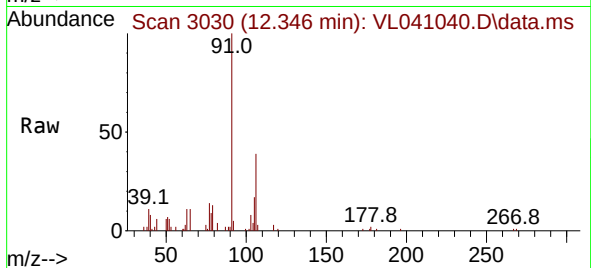
106 0.0 34.9 52.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 10.144 ppbv

RT: 13.754 min Scan# 3468

Delta R.T. 0.007 min

Lab File: VL041040.D

Acq: 7 Feb 2024 14:41

Tgt Ion: 95 Resp: 1777798

Ion Ratio Lower Upper

95 100

174 62.4 49.1 73.7

175 4.7 3.7 5.5

