

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041140.D
 Acq On : 5 Apr 2024 00:56
 Operator : SY/MD
 Sample : P1986-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OAI

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

Quant Time: Apr 05 05:15:37 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

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

QLast Update : Fri Apr 05 04:49:46 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1070017	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	3071512	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2781285	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	2078452	9.293	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	75588	0.413	ppbv #	83
3) Chlorodifluoromethane	2.687	51	44480m	0.270	ppbv	
4) Chloromethane	2.822	50	42077	0.675	ppbv	95
9) Propene	2.716	41	18960m	0.362	ppbv	
11) Trichlorofluoromethane	3.578	101	40703	0.245	ppbv	90
13) Ethanol	3.272	45	34442	2.762	ppbv	95
15) Acetone	3.494	43	515657	4.451	ppbv	95
20) Methylene Chloride	3.951	84	40081	0.839	ppbv	98
26) Hexane	5.234	57	33747m	0.346	ppbv	
34) 2-Butanone	4.828	43	24224m	0.186	ppbv	
35) Carbon Tetrachloride	6.523	117	12906m	0.074	ppbv	
36) Benzene	6.398	78	23665m	0.105	ppbv	
52) Tetrachloroethene	10.635	164	2964m	0.041	ppbv	
53) Toluene	9.243	91	15209m	0.064	ppbv	

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

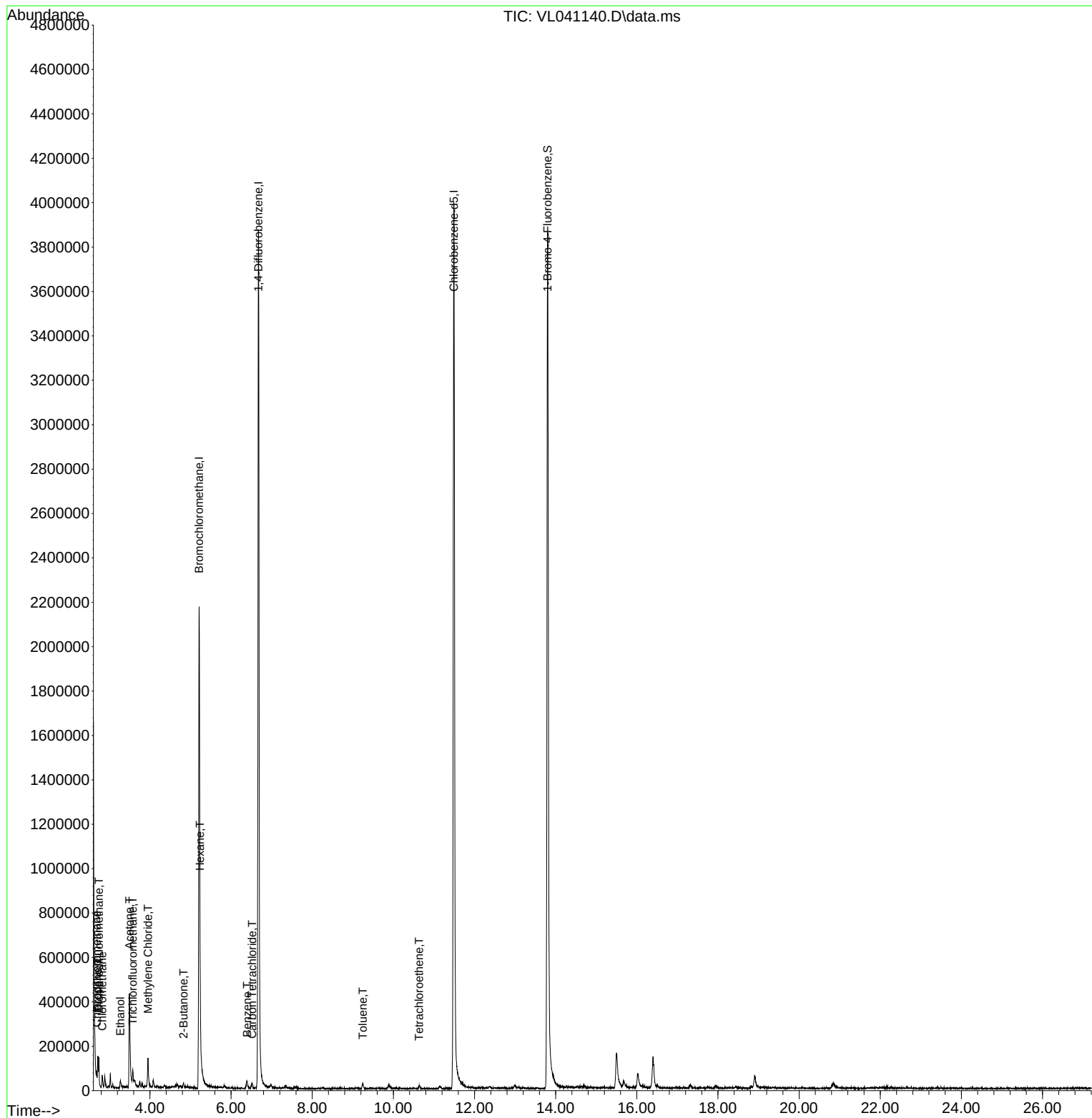
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
Data File : VL041140.D
Acq On : 5 Apr 2024 00:56
Operator : SY/MD
Sample : P1986-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

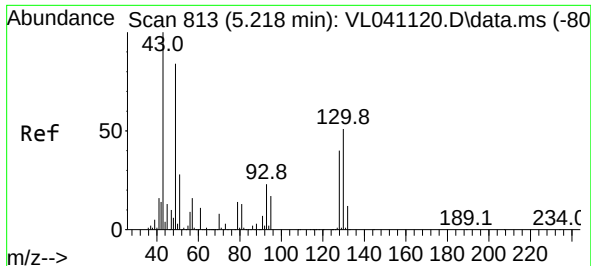
Instrument :
MSVOA_L
ClientSampleId :
OAI

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Supervised By :Mahesh Dadoda 04/05/2024

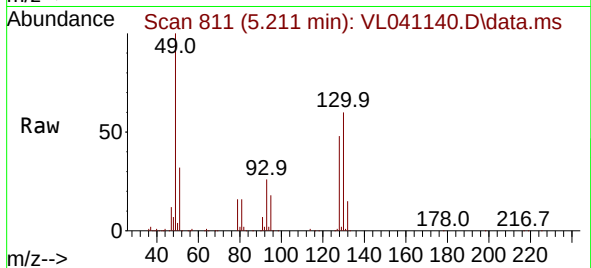
Quant Time: Apr 05 05:15:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 05 04:49:46 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

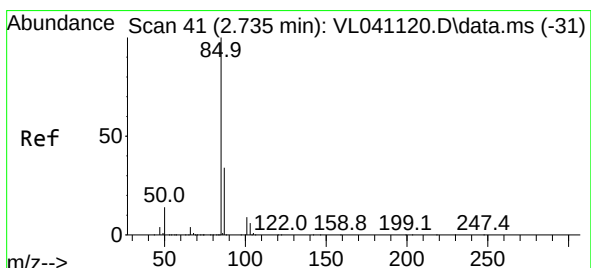
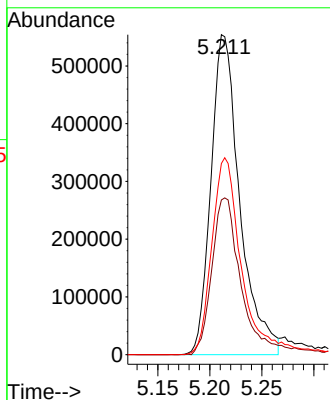
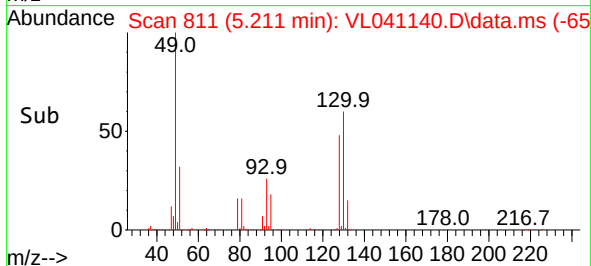
Instrument :
MSVOA_L
ClientSampleId :
OAI



Tgt Ion: 49 Resp: 107001
Ion Ratio Lower Upper
49 100
128 52.0 23.6 71.0
130 65.0 30.1 90.5

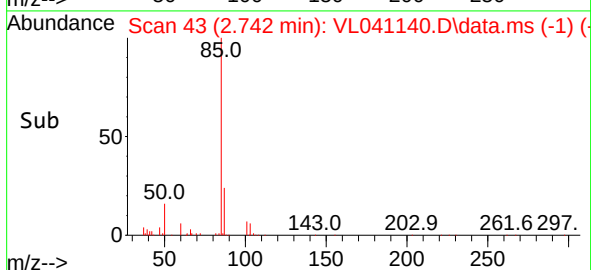
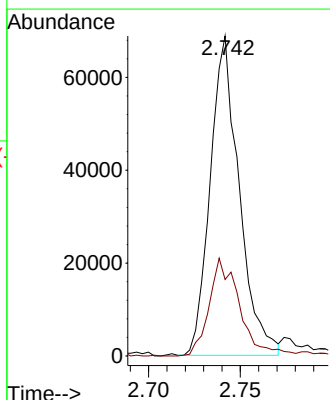
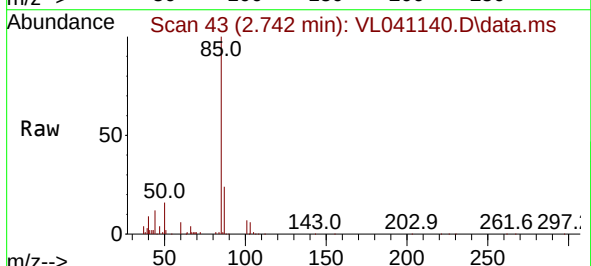
Manual Integrations
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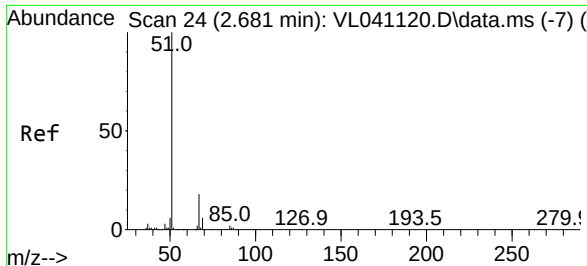
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#2
Dichlorodifluoromethane
Concen: 0.413 ppbv
RT: 2.742 min Scan# 43
Delta R.T. 0.006 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

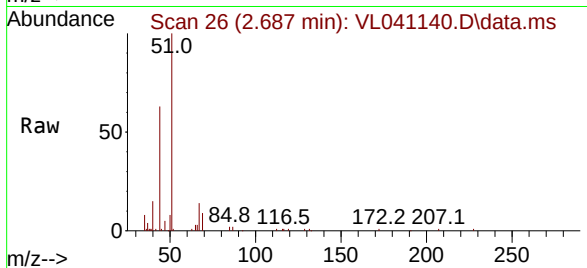
Tgt Ion: 85 Resp: 75588
Ion Ratio Lower Upper
85 100
87 24.0 27.0 40.6#





#3
Chlorodifluoromethane
Concen: 0.270 ppbv m
RT: 2.687 min Scan# 24
Delta R.T. 0.006 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

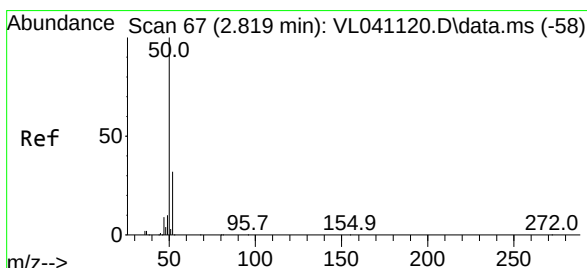
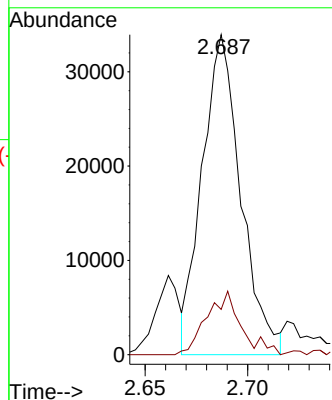
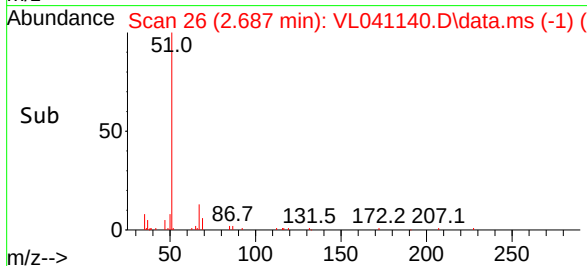
Instrument :
MSVOA_L
ClientSampleId :
OAI



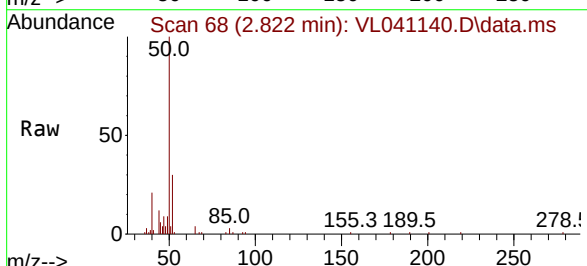
Tgt Ion: 51 Resp: 44480
Ion Ratio Lower Upper
51 100
67 19.4 14.9 22.3

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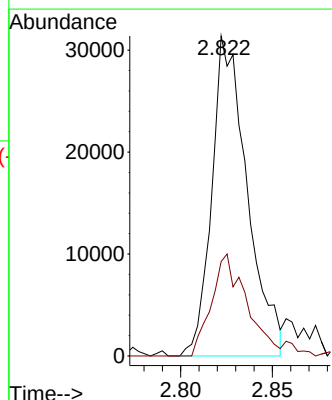
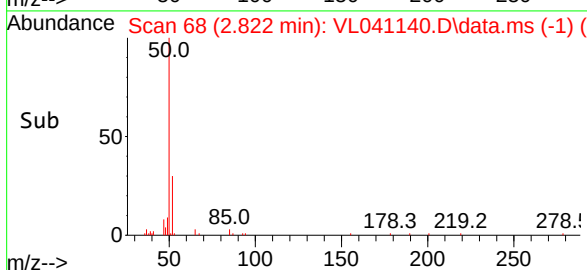
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

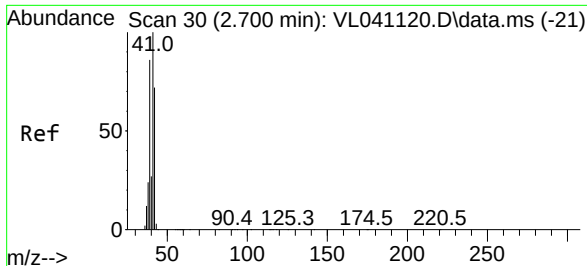


#4
Chloromethane
Concen: 0.675 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.003 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56



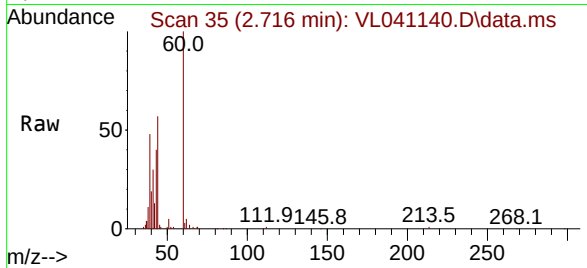
Tgt Ion: 50 Resp: 42077
Ion Ratio Lower Upper
50 100
52 29.5 26.0 39.0





#9
 Propene
 Concen: 0.362 ppbv m
 RT: 2.716 min Scan# 30
 Delta R.T. 0.016 min
 Lab File: VL041140.D
 Acq: 5 Apr 2024 00:56

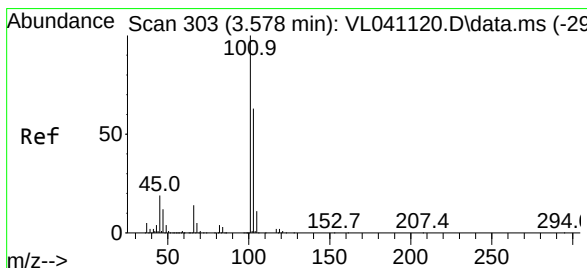
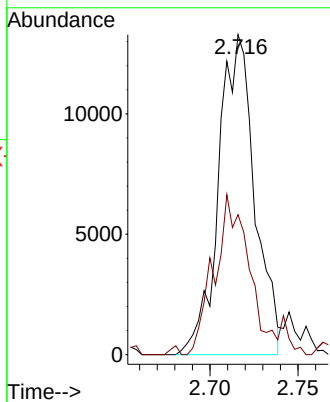
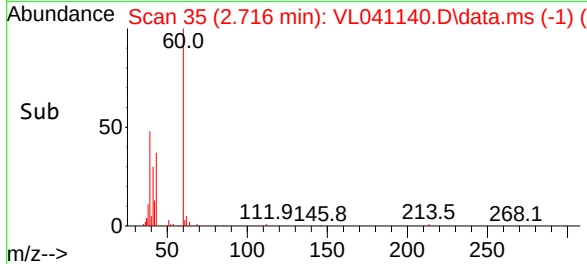
Instrument :
 MSVOA_L
 ClientSampleId :
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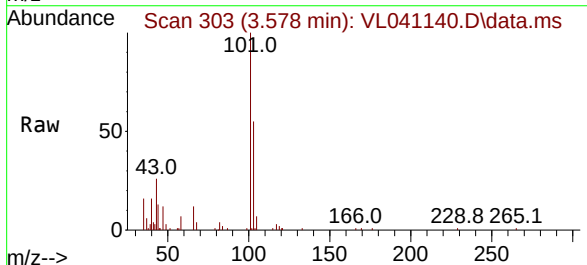
Tgt Ion: 41 Resp: 18960
 Ion Ratio Lower Upper
 41 100
 42 53.5 60.1 90.1

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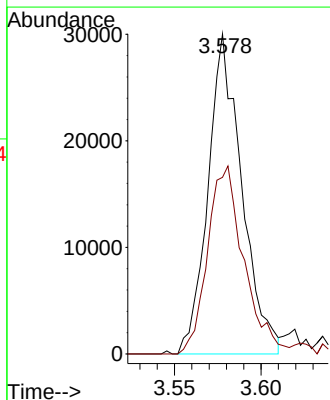
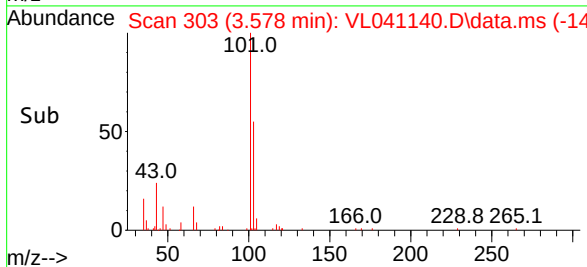
Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

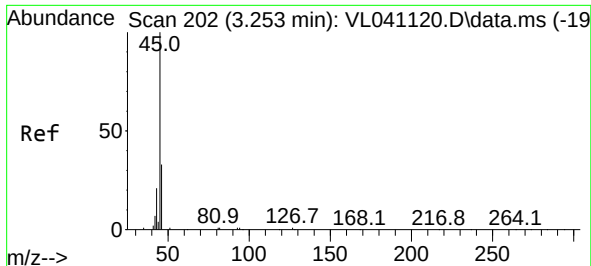


#11
 Trichlorofluoromethane
 Concen: 0.245 ppbv
 RT: 3.578 min Scan# 303
 Delta R.T. -0.000 min
 Lab File: VL041140.D
 Acq: 5 Apr 2024 00:56



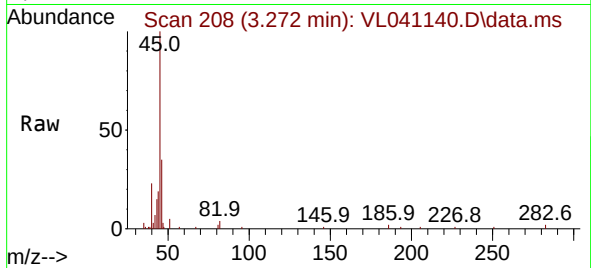
Tgt Ion:101 Resp: 40703
 Ion Ratio Lower Upper
 101 100
 103 55.2 50.6 75.8





#13
Ethanol
Concen: 2.762 ppbv
RT: 3.272 min Scan# 208
Delta R.T. 0.019 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

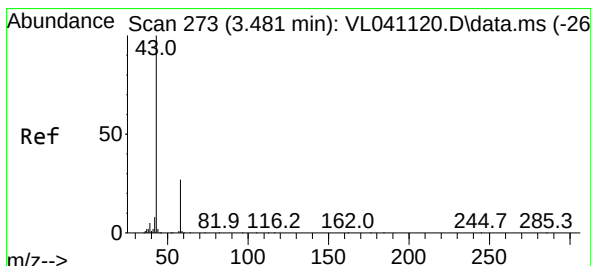
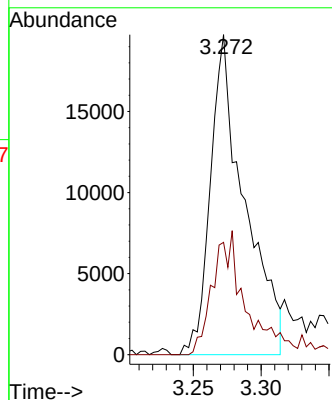
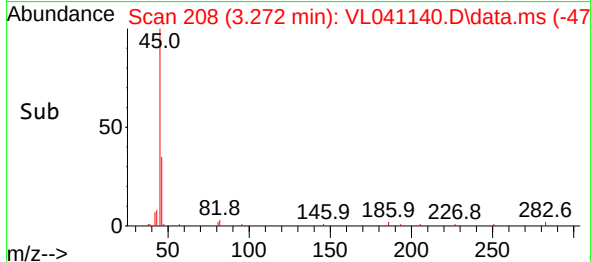
Instrument :
MSVOA_L
ClientSampleId :
OAI



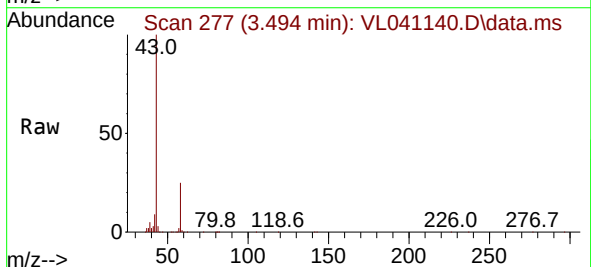
Tgt Ion: 45 Resp: 3444
Ion Ratio Lower Upper
45 100
46 40.4 15.0 59.8

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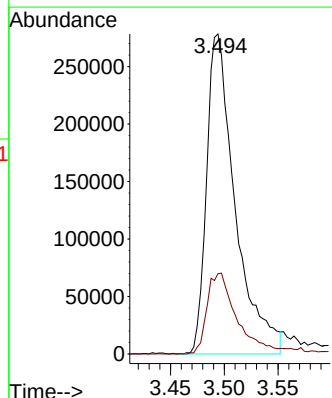
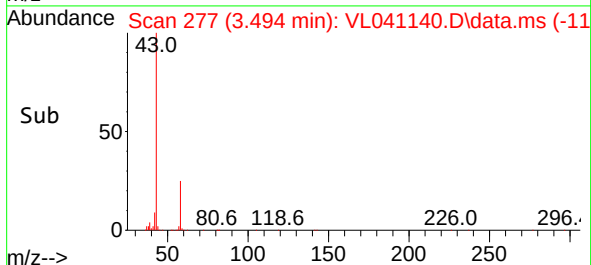
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

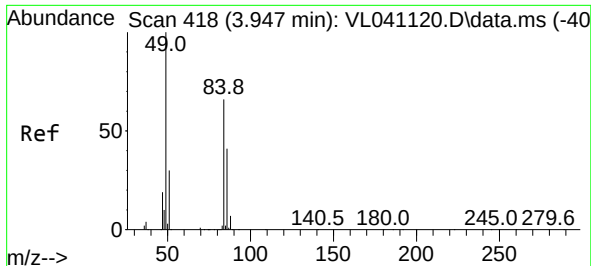


#15
Acetone
Concen: 4.451 ppbv
RT: 3.494 min Scan# 277
Delta R.T. 0.013 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56



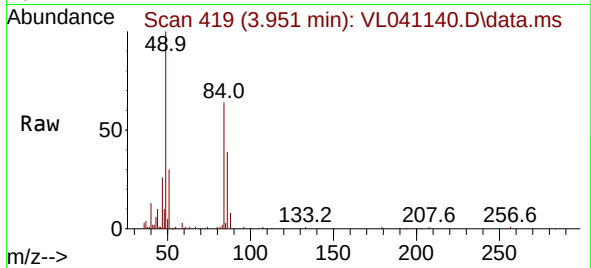
Tgt Ion: 43 Resp: 515657
Ion Ratio Lower Upper
43 100
58 28.9 21.1 31.7





#20
Methylene Chloride
Concen: 0.839 ppbv
RT: 3.951 min Scan# 418
Delta R.T. 0.003 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

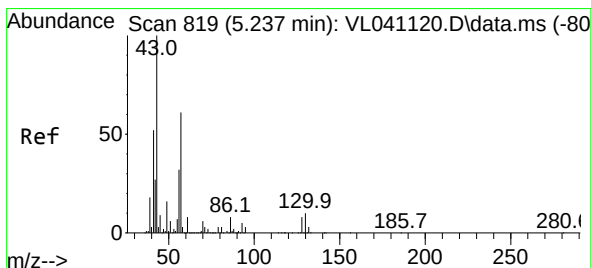
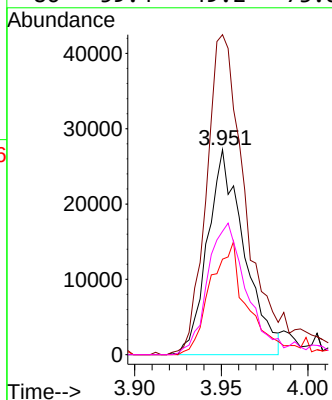
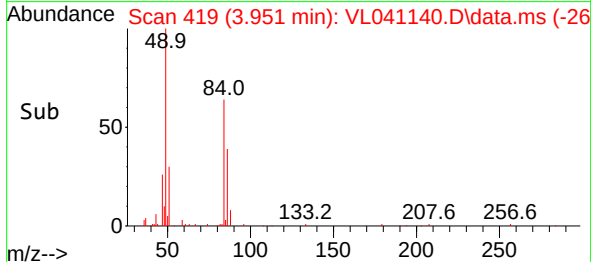
Instrument :
MSVOA_L
ClientSampleId :
OAI



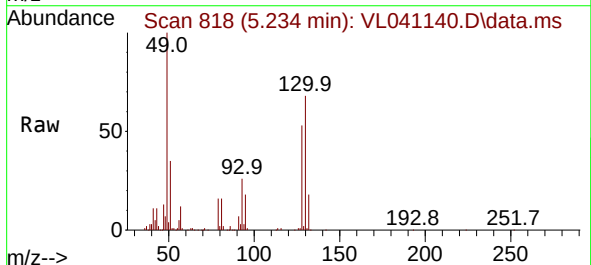
Tgt Ion: 84 Resp: 4008
Ion Ratio Lower Upper
84 100
49 154.2 120.7 181.1
51 46.6 36.6 54.8
86 59.4 49.2 73.8

Manual Integrations
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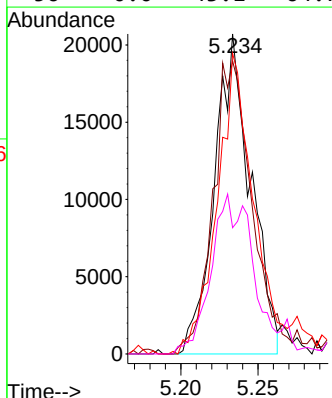
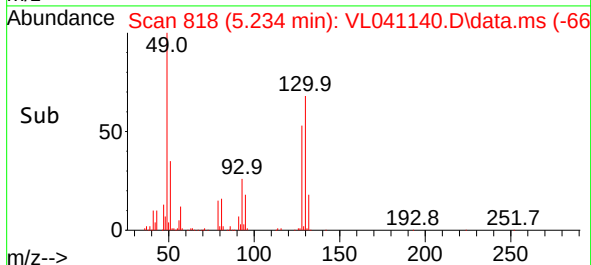
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

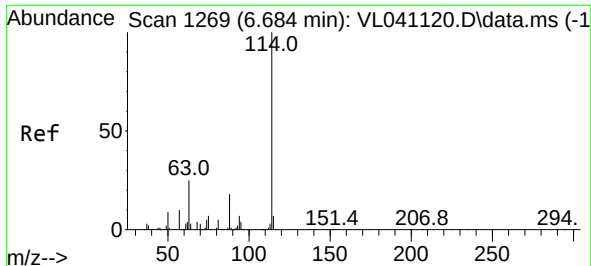


#26
Hexane
Concen: 0.346 ppbv m
RT: 5.234 min Scan# 818
Delta R.T. -0.003 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56



Tgt Ion: 57 Resp: 33747
Ion Ratio Lower Upper
57 100
41 0.0 73.8 110.8#
43 0.0 186.2 279.2#
56 0.0 43.1 64.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 1

Delta R.T. -0.010 min

Lab File: VL041140.D

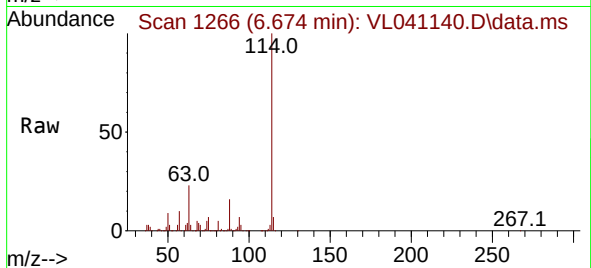
Acq: 5 Apr 2024 00:56

Instrument :

MSVOA_L

ClientSampleId :

OAI



Tgt Ion:114 Resp: 307151

Ion Ratio Lower Upper

114 100

63 24.3 20.9 31.3

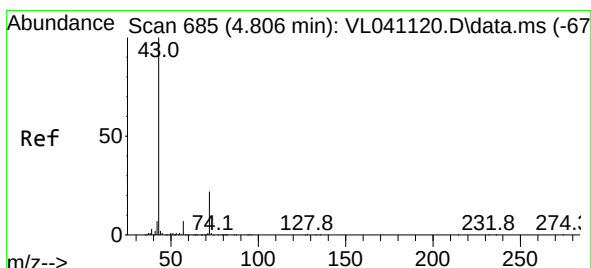
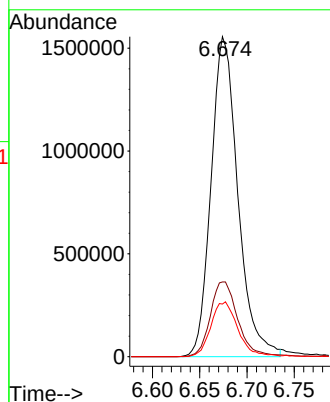
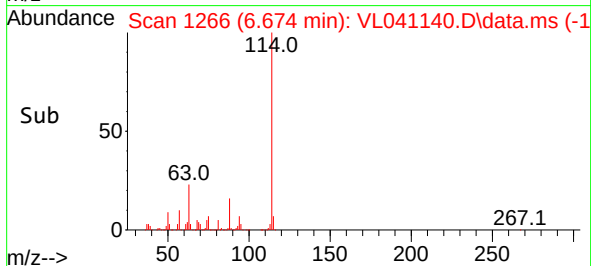
88 17.6 14.5 21.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/05/2024

Supervised By :Mahesh Dadoda 04/05/2024



#34

2-Butanone

Concen: 0.186 ppbv m

RT: 4.828 min Scan# 692

Delta R.T. 0.022 min

Lab File: VL041140.D

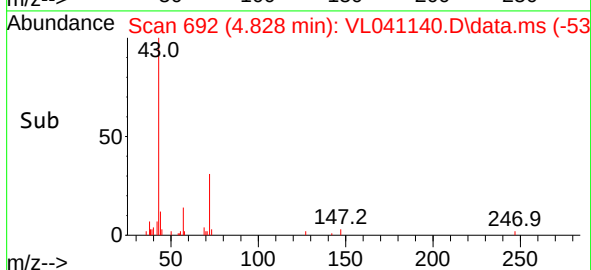
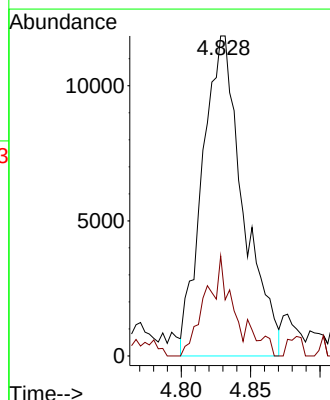
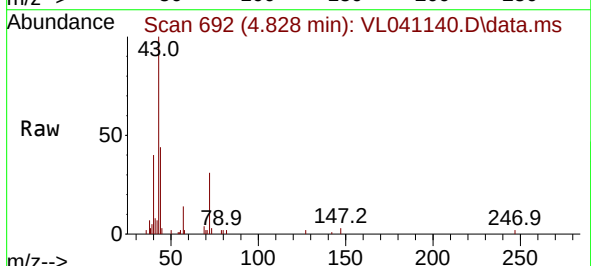
Acq: 5 Apr 2024 00:56

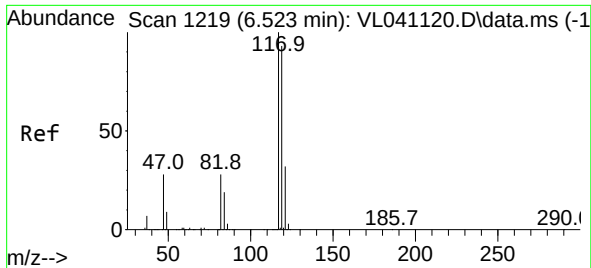
Tgt Ion: 43 Resp: 24224

Ion Ratio Lower Upper

43 100

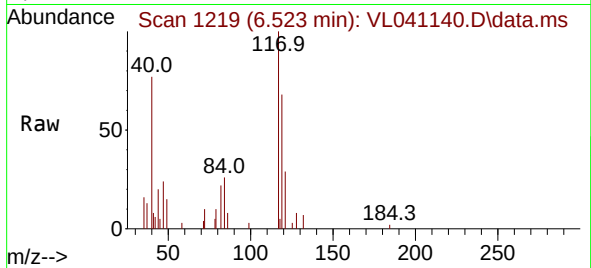
72 0.0 17.6 26.4#





#35
Carbon Tetrachloride
Concen: 0.074 ppbv m
RT: 6.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

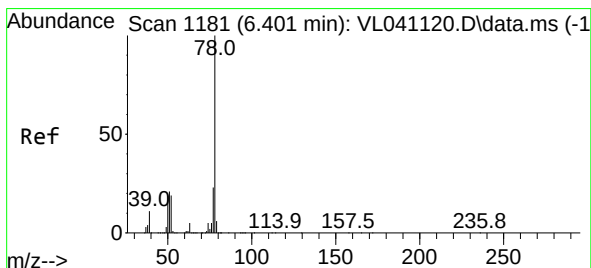
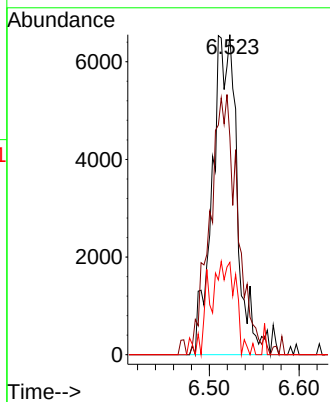
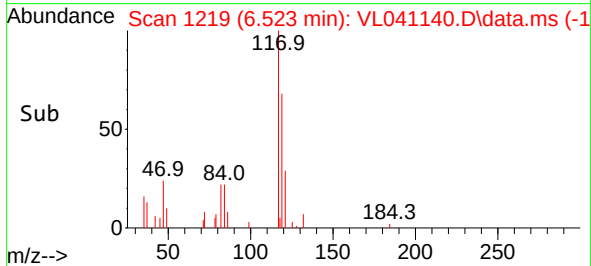
Instrument :
MSVOA_L
ClientSampleId :
OAI



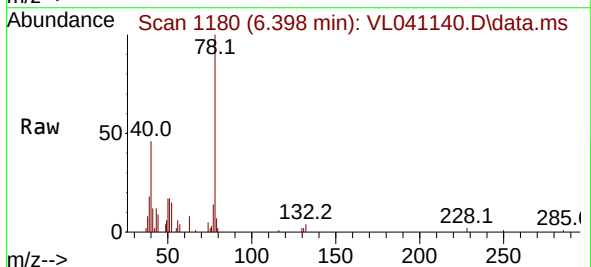
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Ion Ratio Lower Upper
117 100
119 67.9 74.2 111.4#
121 28.8 25.4 38.2

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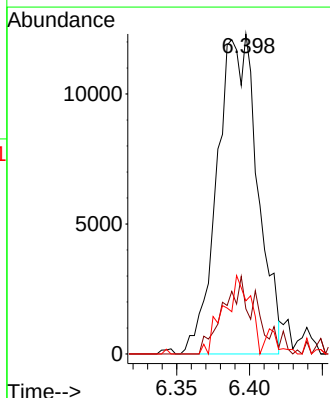
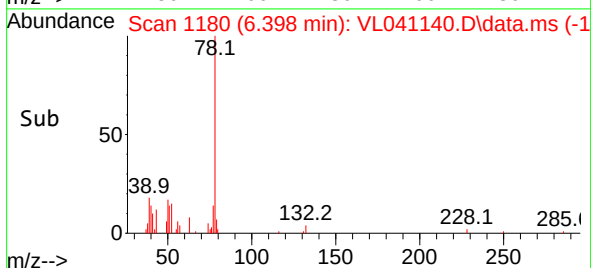
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

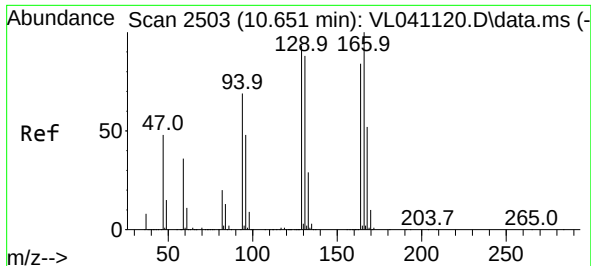


#36
Benzene
Concen: 0.105 ppbv m
RT: 6.398 min Scan# 1180
Delta R.T. -0.003 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56



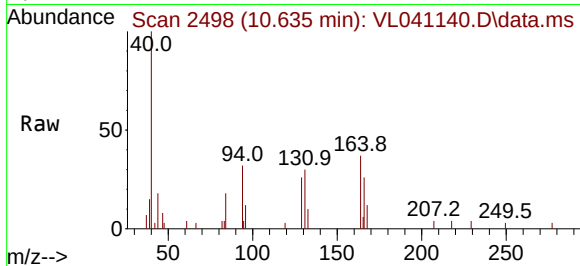
Tgt Ion: 78 Resp: 23665
Ion Ratio Lower Upper
78 100
77 14.1 18.2 27.4#
50 16.6 15.4 23.2





#52
Tetrachloroethene
Concen: 0.041 ppbv m
RT: 10.635 min Scan# 2498
Delta R.T. -0.016 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

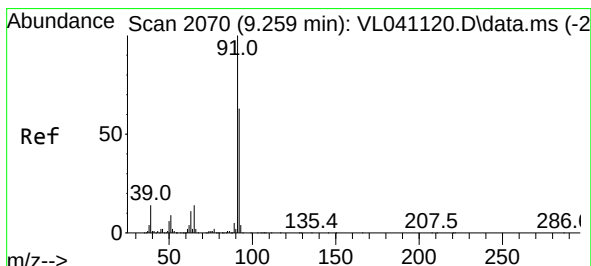
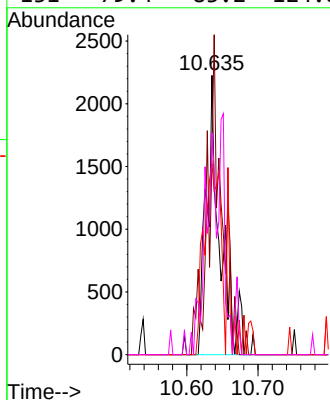
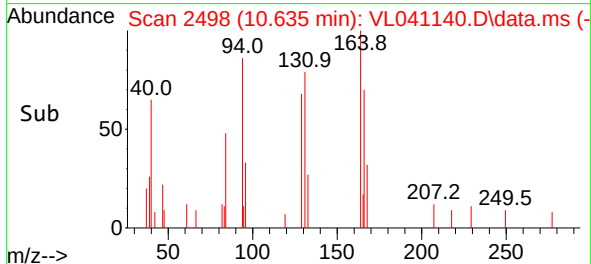
Instrument :
MSVOA_L
ClientSampleId :
OAI



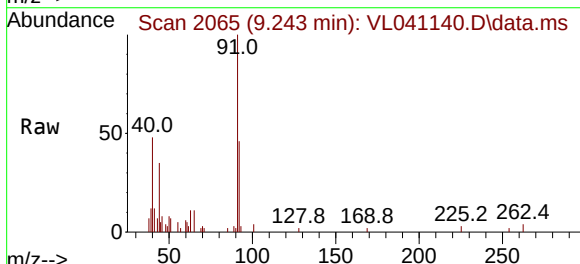
Tgt Ion:164 Resp: 2964
Ion Ratio Lower Upper
164 100
166 70.1 95.0 142.6
129 68.3 88.7 133.1
131 79.4 83.2 124.8#

Manual Integrations
APPROVED

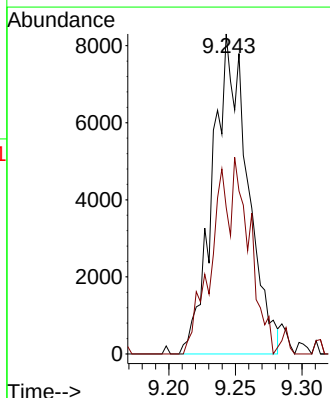
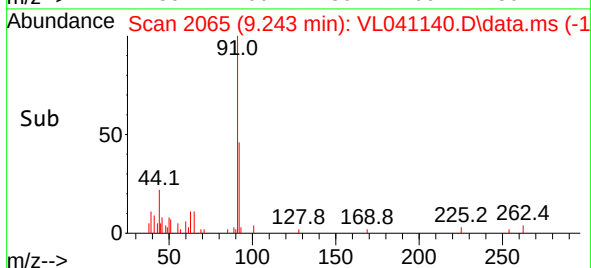
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

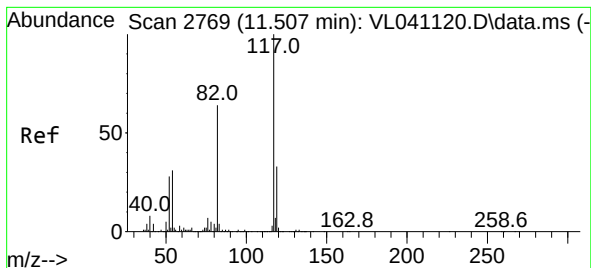


#53
Toluene
Concen: 0.064 ppbv m
RT: 9.243 min Scan# 2065
Delta R.T. -0.016 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56



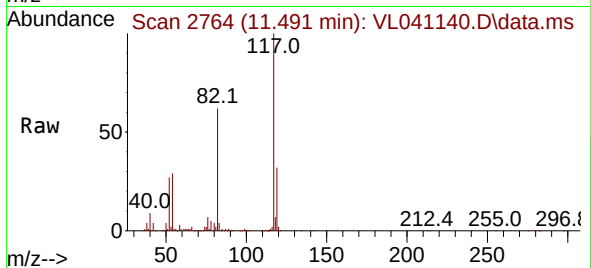
Tgt Ion: 91 Resp: 15209
Ion Ratio Lower Upper
91 100
92 0.0 49.0 73.4#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.491 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

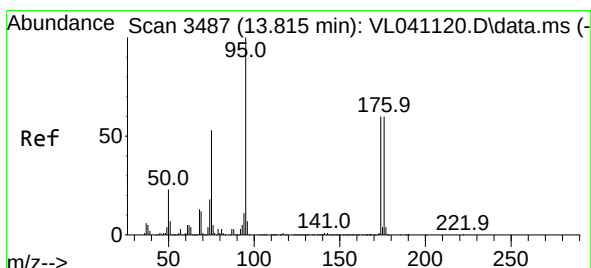
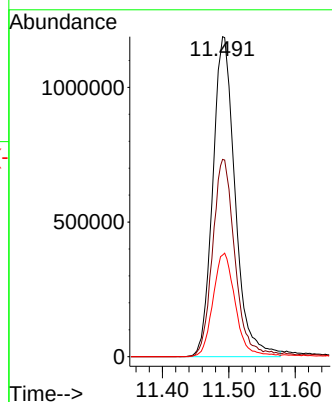
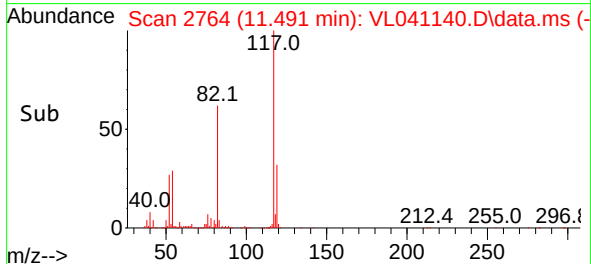
Instrument :
MSVOA_L
ClientSampleId :
OAI



Tgt Ion:117 Resp: 278128
Ion Ratio Lower Upper
117 100
82 63.3 51.0 76.6
119 32.9 25.2 37.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 9.293 ppbv
RT: 13.802 min Scan# 3483
Delta R.T. -0.013 min
Lab File: VL041140.D
Acq: 5 Apr 2024 00:56

Tgt Ion: 95 Resp: 2078452
Ion Ratio Lower Upper
95 100
174 62.5 49.3 73.9
175 4.5 3.6 5.4

