

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021524\
 Data File : VL041069.D
 Acq On : 15 Feb 2024 13:30
 Operator : SY/MD
 Sample : P1490-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/19/2024
 Supervised By :Mahesh Dadoda 02/20/2024

Quant Time: Feb 16 04:08:13 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 : Fri Feb 16 04:05:22 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1162754	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3108520	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2619541	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1972546	9.970	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.710	85	71822	0.280	ppbv	94
3) Chlorodifluoromethane	2.658	51	41471m	0.212	ppbv	
4) Chloromethane	2.796	50	39200	0.535	ppbv #	88
11) Trichlorofluoromethane	3.546	101	42210	0.204	ppbv	92
13) Ethanol	3.237	45	37887m	2.478	ppbv	
15) Acetone	3.455	43	454821	3.059	ppbv	98
20) Methylene Chloride	3.918	84	177830	3.108	ppbv	95
26) Hexane	5.201	57	156764	1.364	ppbv #	39
34) 2-Butanone	4.790	43	21292m	0.144	ppbv	
35) Carbon Tetrachloride	6.471	117	11301m	0.055	ppbv	
36) Benzene	6.352	78	39575m	0.154	ppbv	
53) Toluene	9.204	91	29401m	0.105	ppbv	

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

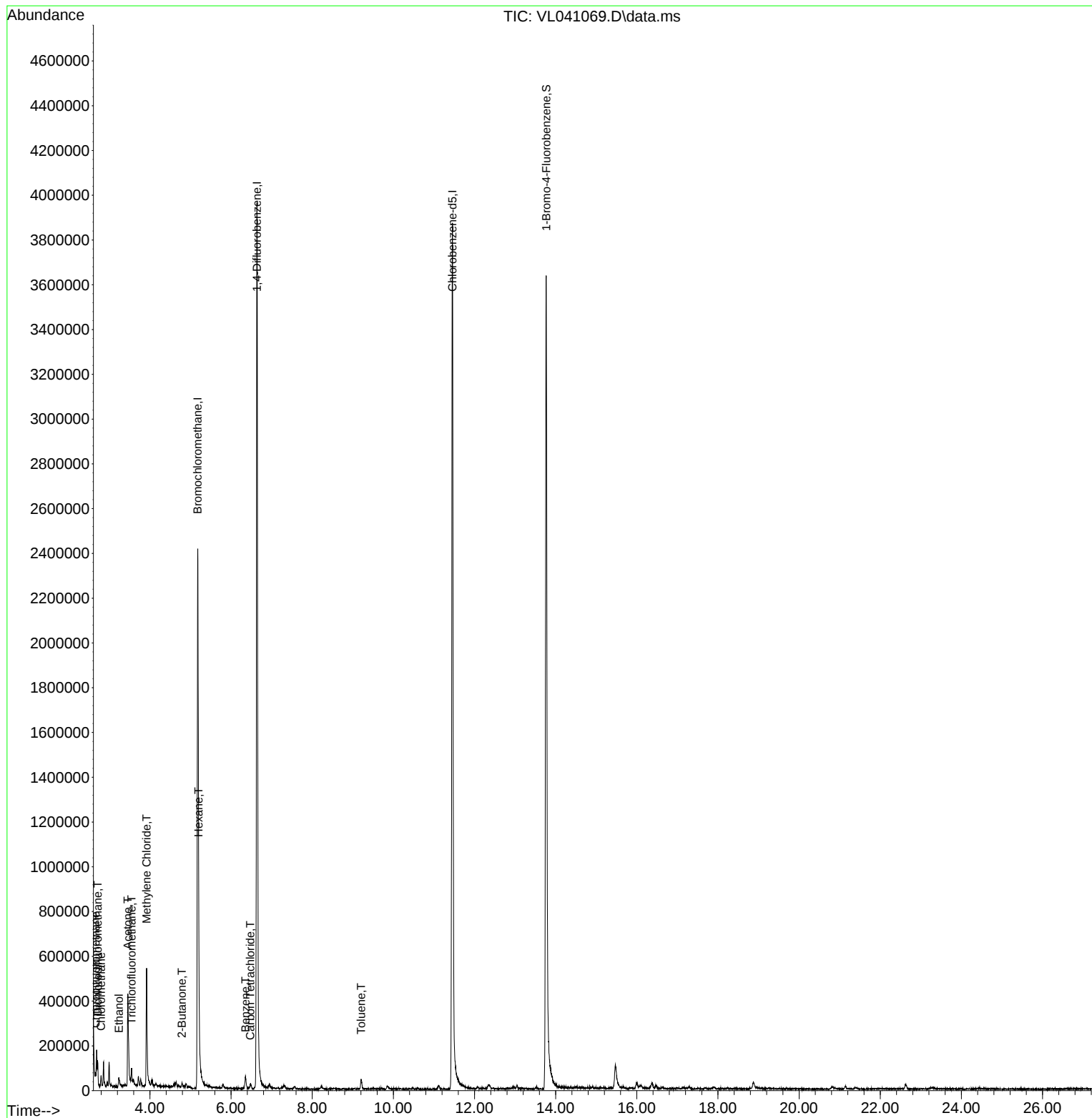
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021524\
Data File : VL041069.D
Acq On : 15 Feb 2024 13:30
Operator : SY/MD
Sample : P1490-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

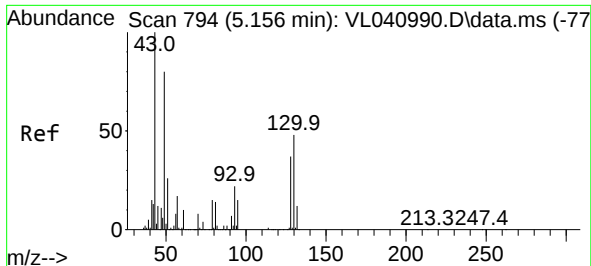
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Feb 16 04:08:13 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 : Fri Feb 16 04:05:22 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024





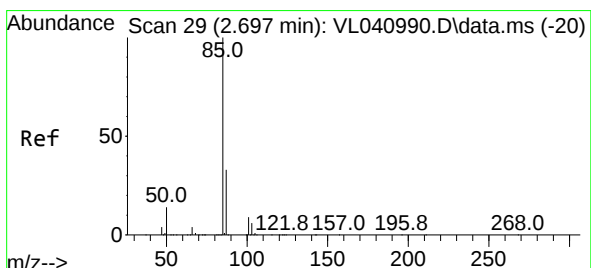
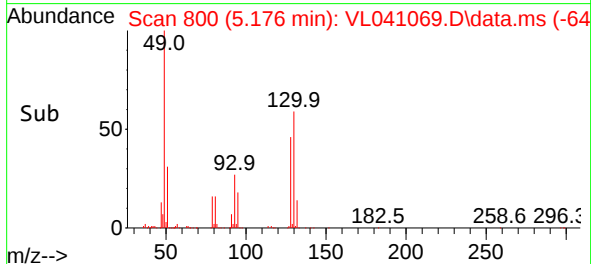
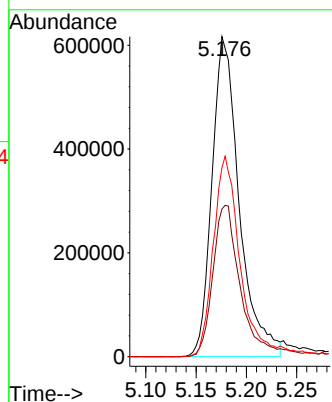
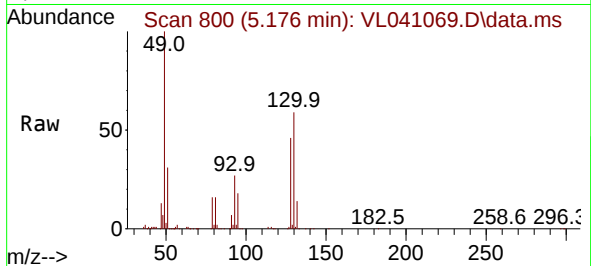
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041069.D
Acq: 15 Feb 2024 13:30

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 1162754
Ion Ratio Lower Upper
49 100
128 50.6 23.9 71.7
130 65.1 31.1 93.5

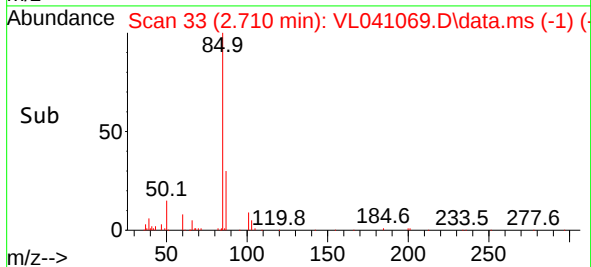
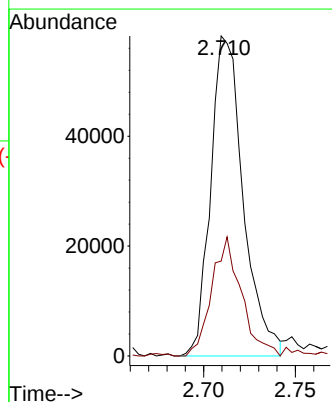
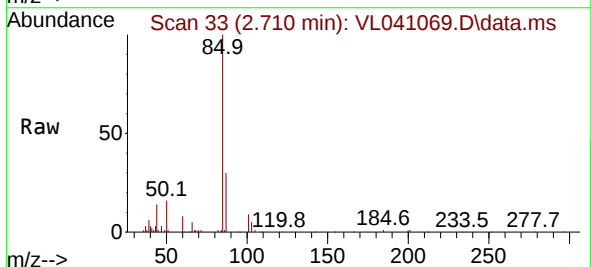
Manual Integrations
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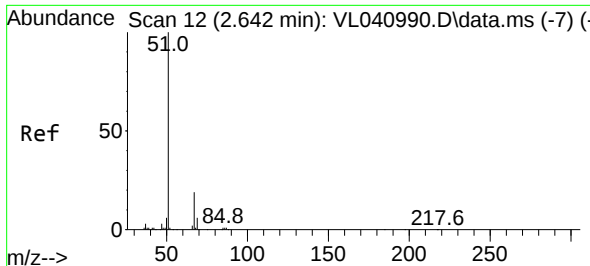
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#2
Dichlorodifluoromethane
Concen: 0.280 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.003 min
Lab File: VL041069.D
Acq: 15 Feb 2024 13:30

Tgt Ion: 85 Resp: 71822
Ion Ratio Lower Upper
85 100
87 29.7 26.3 39.5





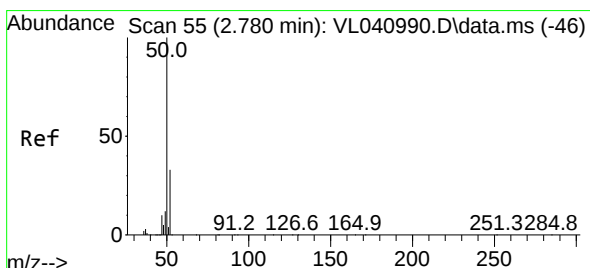
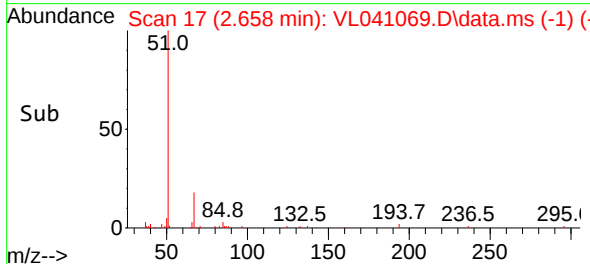
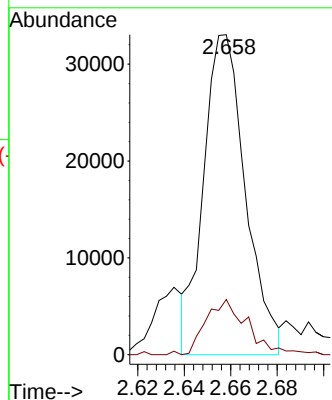
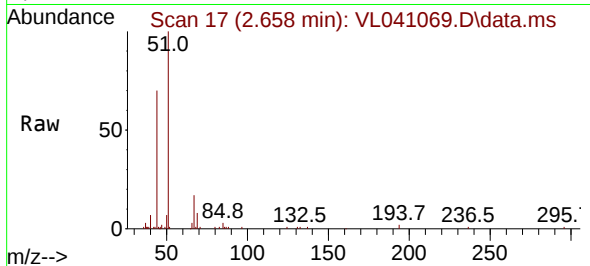
#3
Chlorodifluoromethane
Concen: 0.212 ppbv m
RT: 2.658 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL041069.D
Acq: 15 Feb 2024 13:30

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 4147
Ion Ratio Lower Upper
51 100
67 17.7 14.8 22.2

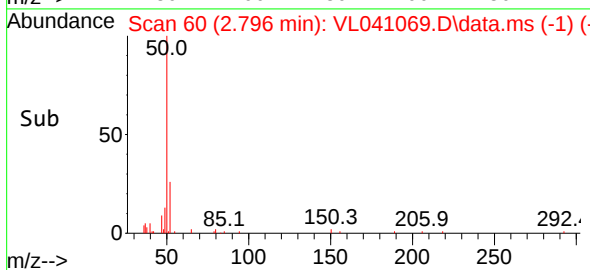
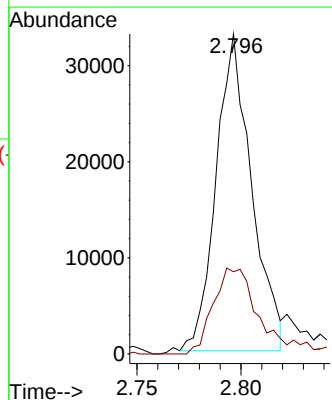
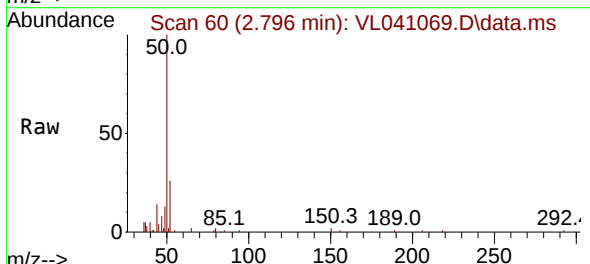
Manual Integrations
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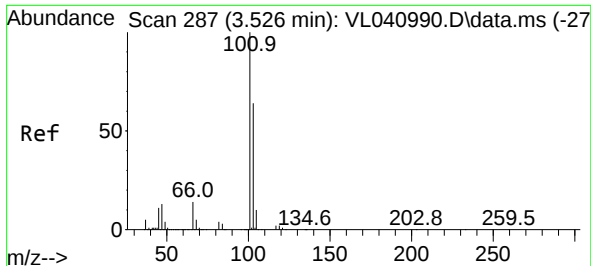
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#4
Chloromethane
Concen: 0.535 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.006 min
Lab File: VL041069.D
Acq: 15 Feb 2024 13:30

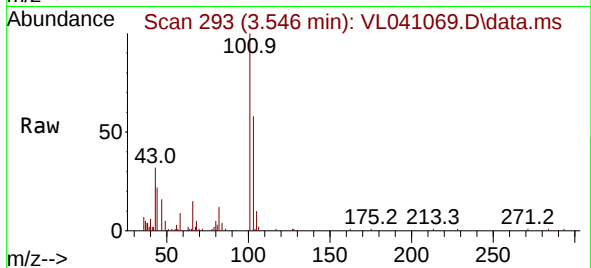
Tgt Ion: 50 Resp: 39200
Ion Ratio Lower Upper
50 100
52 25.9 26.2 39.4#





#11
Trichlorofluoromethane
Concen: 0.204 ppbv
RT: 3.546 min Scan# 293
Delta R.T. 0.003 min
Lab File: VL041069.D
Acq: 15 Feb 2024 13:30

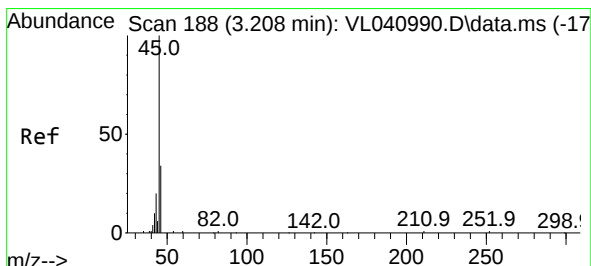
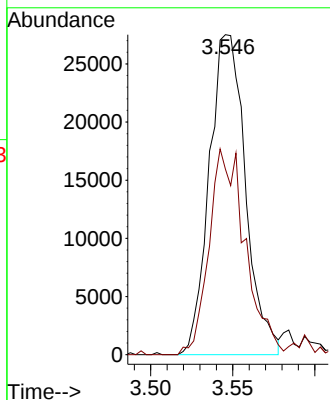
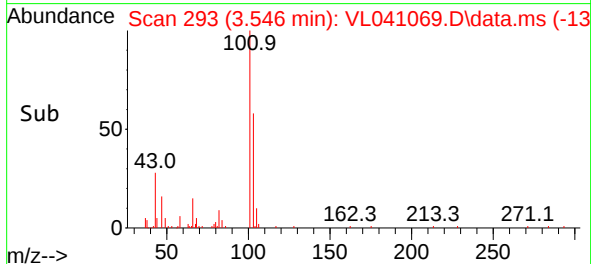
Instrument :
MSVOA_L
ClientSampleId :
OA1



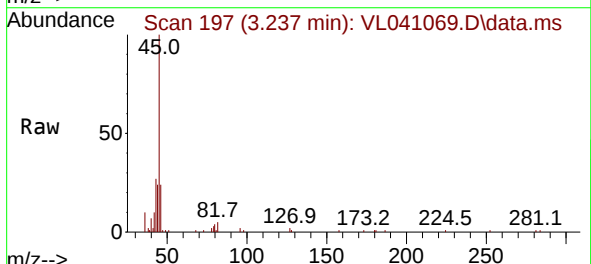
Tgt Ion:101 Resp: 42210
Ion Ratio Lower Upper
101 100
103 58.0 51.4 77.2

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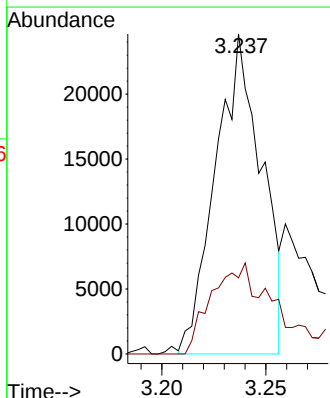
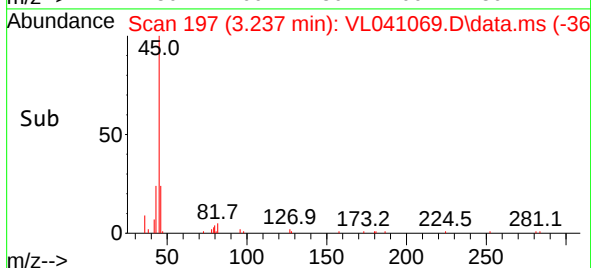
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024

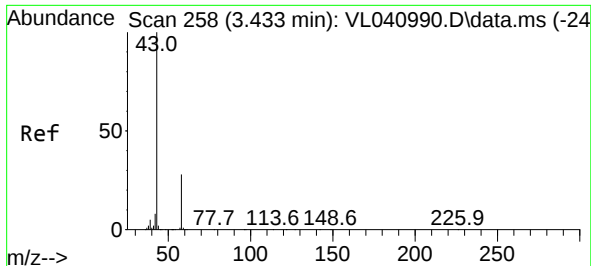


#13
Ethanol
Concen: 2.478 ppbv m
RT: 3.237 min Scan# 197
Delta R.T. 0.019 min
Lab File: VL041069.D
Acq: 15 Feb 2024 13:30



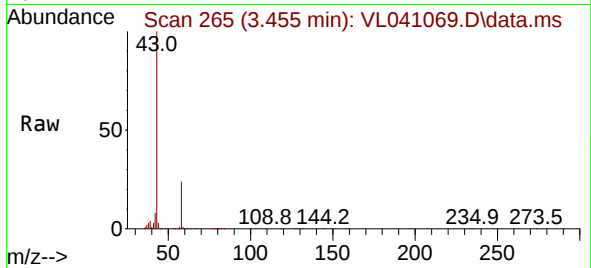
Tgt Ion: 45 Resp: 37887
Ion Ratio Lower Upper
45 100
46 0.0 16.2 64.8#





#15
Acetone
Concen: 3.059 ppbv
RT: 3.455 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL041069.D
Acq: 15 Feb 2024 13:30

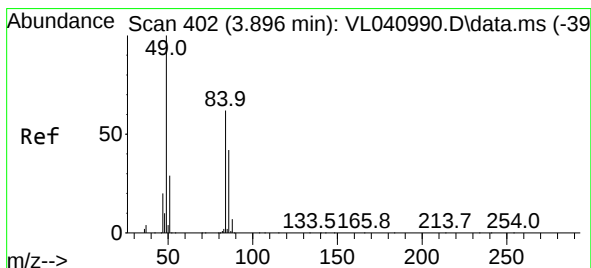
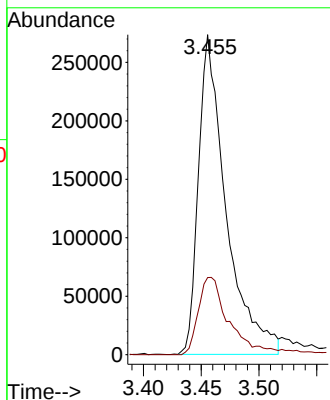
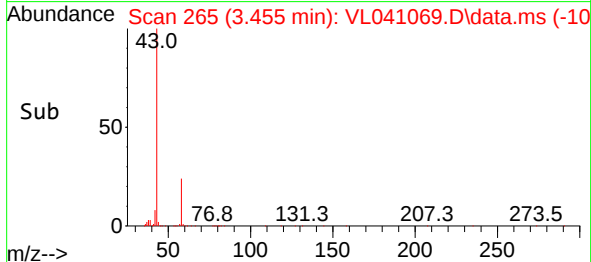
Instrument :
MSVOA_L
ClientSampleId :
OA1



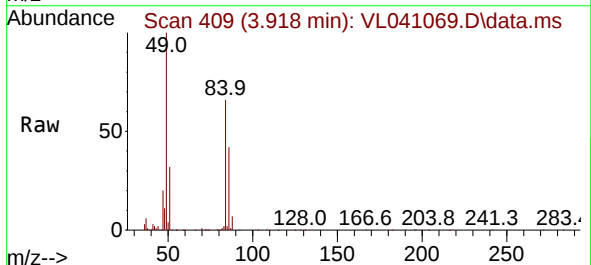
Tgt Ion: 43 Resp: 45482
Ion Ratio Lower Upper
43 100
58 28.5 22.2 33.2

Manual Integrations
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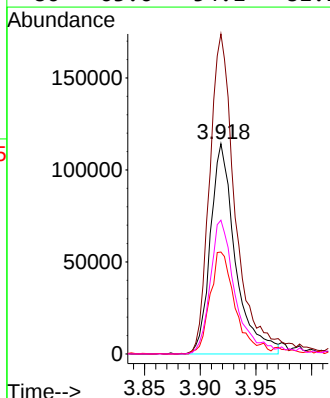
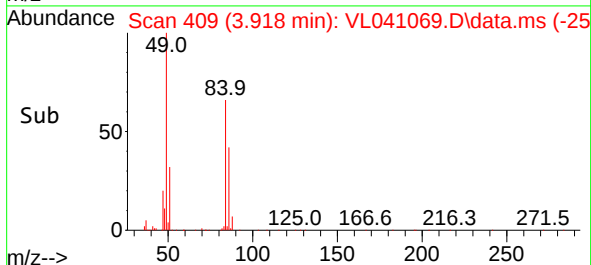
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024

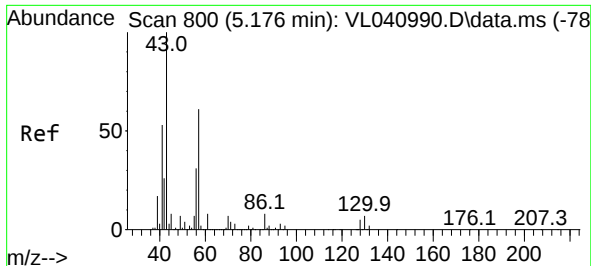


#20
Methylene Chloride
Concen: 3.108 ppbv
RT: 3.918 min Scan# 409
Delta R.T. 0.006 min
Lab File: VL041069.D
Acq: 15 Feb 2024 13:30



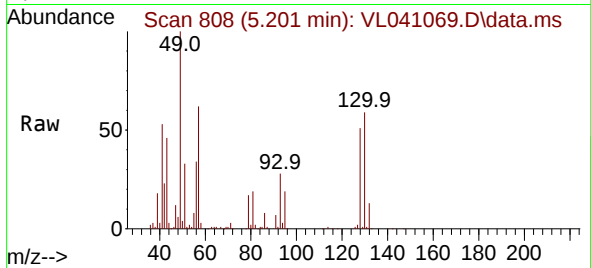
Tgt Ion: 84 Resp: 177830
Ion Ratio Lower Upper
84 100
49 152.2 128.1 192.1
51 48.5 36.5 54.7
86 63.6 54.1 81.1





#26
Hexane
Concen: 1.364 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.006 min
Lab File: VL041069.D
Acq: 15 Feb 2024 13:30

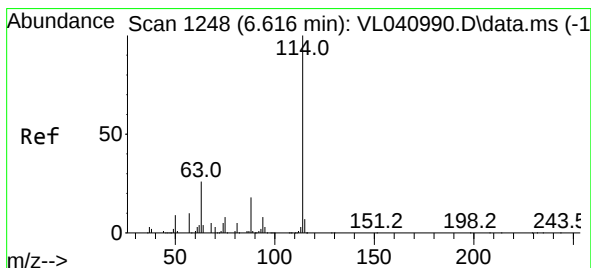
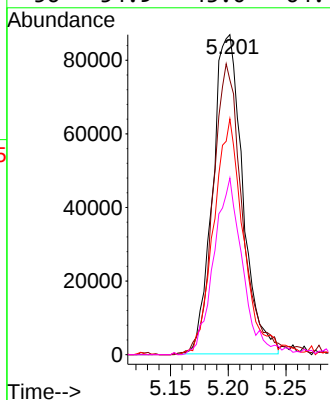
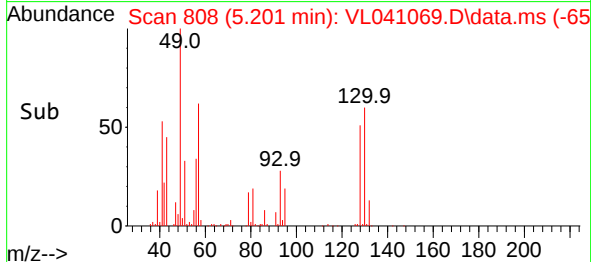
Instrument :
MSVOA_L
ClientSampleId :
OA1



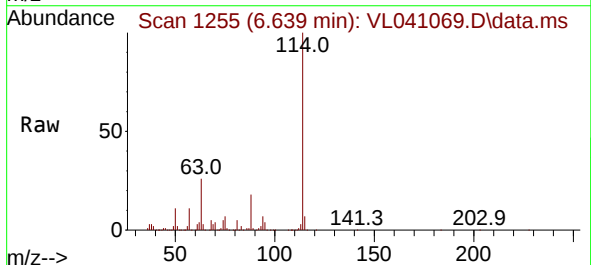
Tgt Ion: 57 Resp: 156764
Ion Ratio Lower Upper
57 100
41 90.8 74.4 111.6
43 74.2 190.6 285.8
56 54.9 43.0 64.4

Manual Integrations
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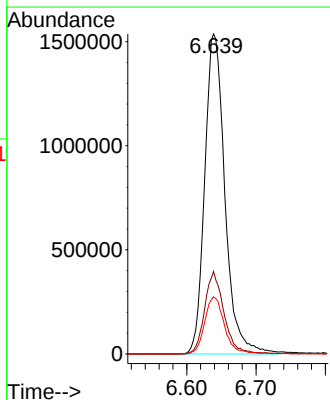
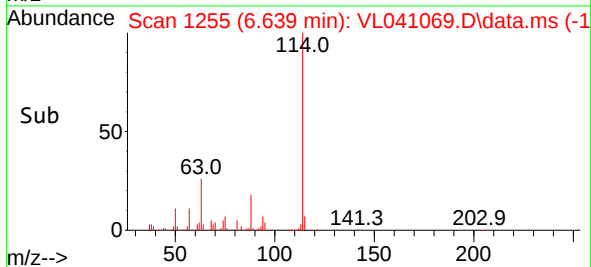
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024

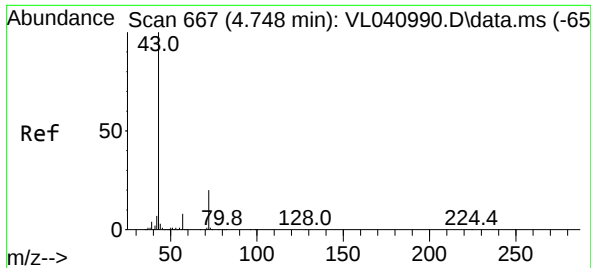


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.000 min
Lab File: VL041069.D
Acq: 15 Feb 2024 13:30



Tgt Ion:114 Resp: 3108520
Ion Ratio Lower Upper
114 100
63 24.7 20.8 31.2
88 17.6 14.3 21.5





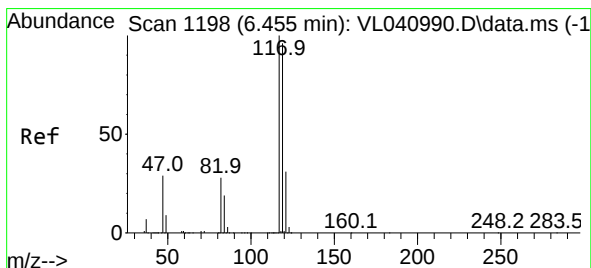
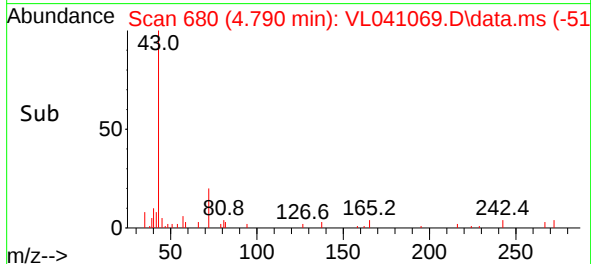
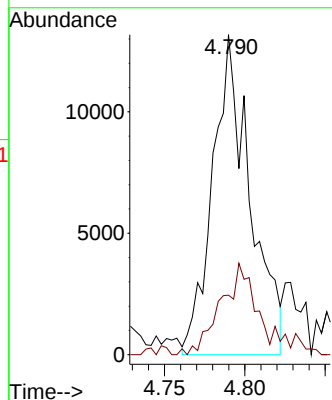
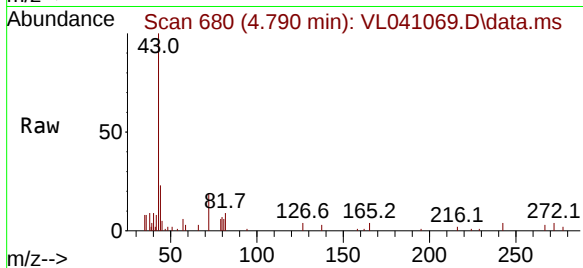
#34
2-Butanone
Concen: 0.144 ppbv m
RT: 4.790 min Scan# 61
Delta R.T. 0.022 min
Lab File: VL041069.D
Acq: 15 Feb 2024 13:30

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 2129
Ion Ratio Lower Upper
43 100
72 0.0 17.5 26.3

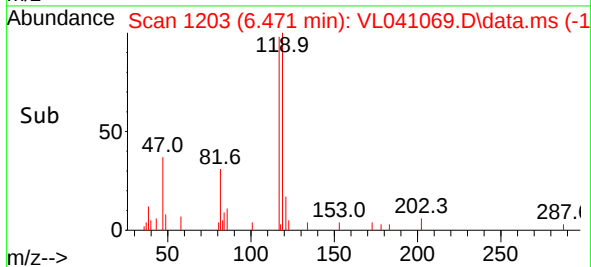
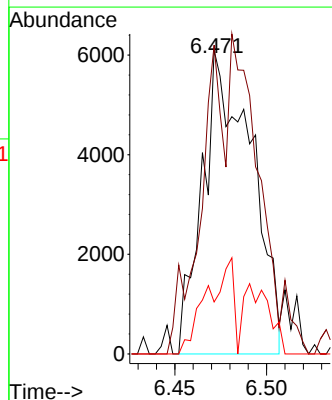
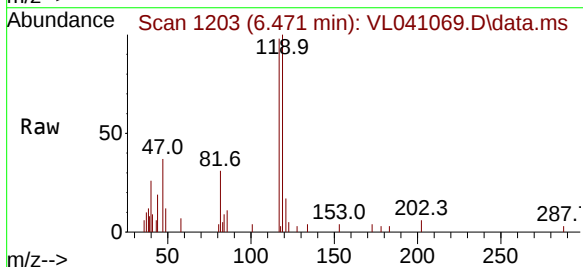
Manual Integrations
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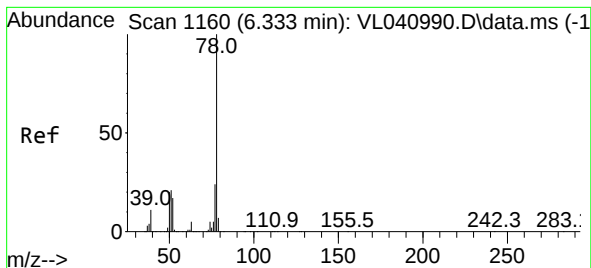
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#35
Carbon Tetrachloride
Concen: 0.055 ppbv m
RT: 6.471 min Scan# 1203
Delta R.T. -0.006 min
Lab File: VL041069.D
Acq: 15 Feb 2024 13:30

Tgt Ion:117 Resp: 11301
Ion Ratio Lower Upper
117 100
119 101.7 76.9 115.3
121 17.1 24.7 37.1





#36

Benzene

Concen: 0.154 ppbv m

RT: 6.352 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VL041069.D

Acq: 15 Feb 2024 13:30

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 78 Resp: 3957

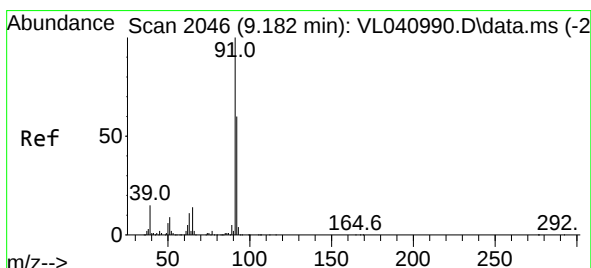
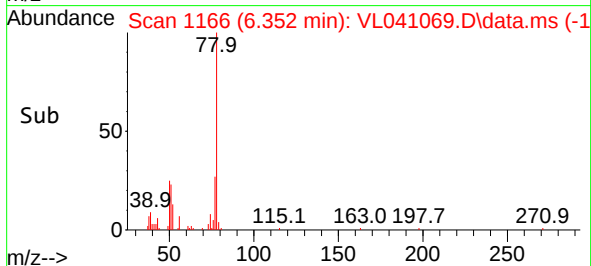
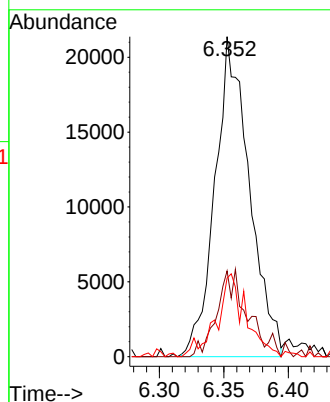
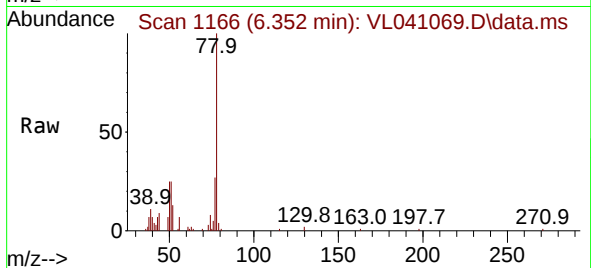
Ion	Ratio	Lower	Upper
78	100		
77	26.8	19.0	28.4
50	24.6	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/19/2024

Supervised By :Mahesh Dadoda 02/20/2024



#53

Toluene

Concen: 0.105 ppbv m

RT: 9.204 min Scan# 2053

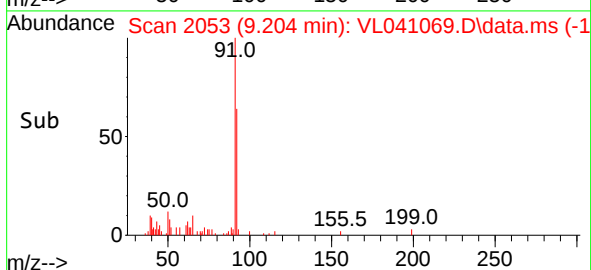
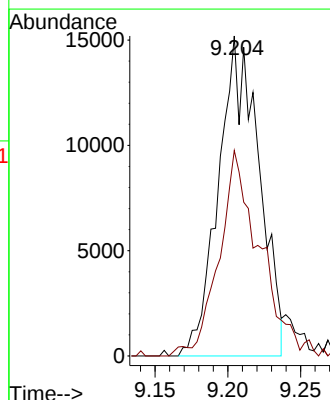
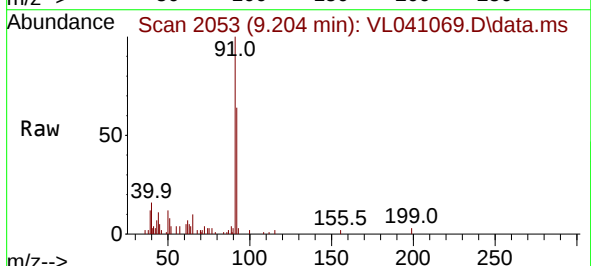
Delta R.T. -0.000 min

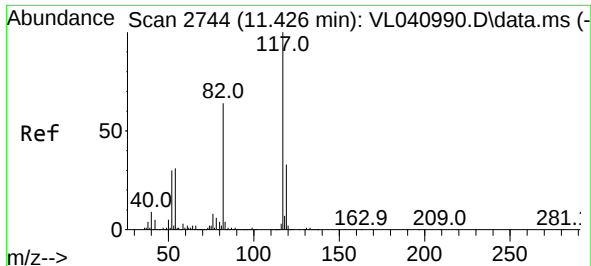
Lab File: VL041069.D

Acq: 15 Feb 2024 13:30

Tgt Ion: 91 Resp: 29401

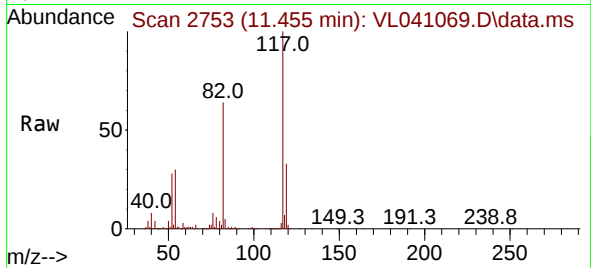
Ion	Ratio	Lower	Upper
91	100		
92	65.1	48.6	72.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041069.D
Acq: 15 Feb 2024 13:30

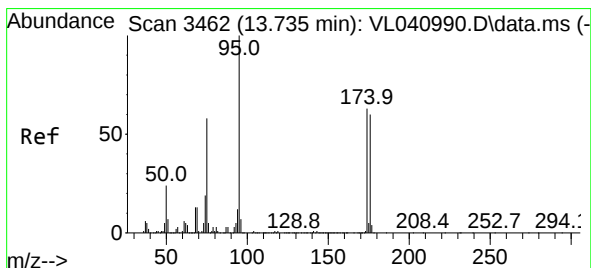
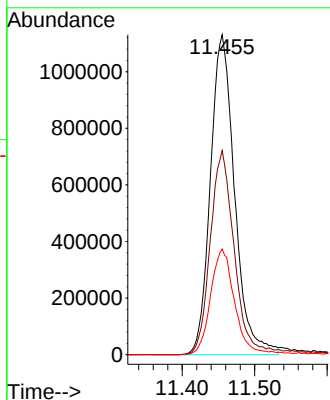
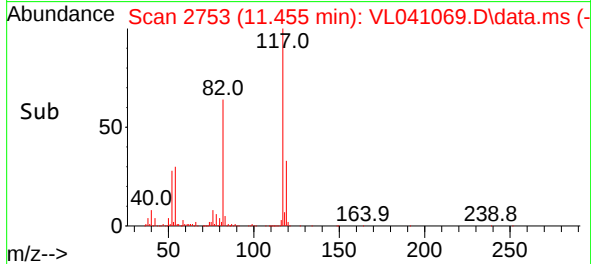
Instrument :
MSVOA_L
ClientSampleId :
OA1



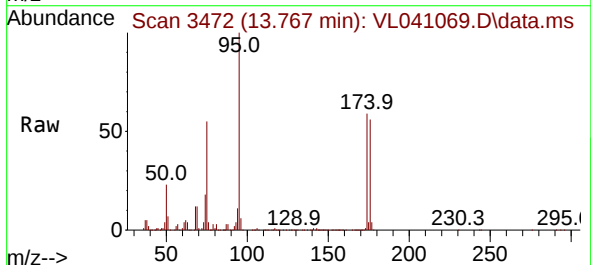
Tgt Ion:117 Resp: 261954
Ion Ratio Lower Upper
117 100
82 65.4 51.7 77.5
119 33.6 23.8 35.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 9.970 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. 0.006 min
Lab File: VL041069.D
Acq: 15 Feb 2024 13:30



Tgt Ion: 95 Resp: 1972546
Ion Ratio Lower Upper
95 100
174 63.0 49.1 73.7
175 4.5 3.7 5.5

