

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041513.D
 Acq On : 8 Aug 2024 15:07
 Operator : SY/MD
 Sample : P3496-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-OM

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2024
 Supervised By :Mahesh Dadoda 08/09/2024

Quant Time: Aug 09 05:55:34 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 9 2024

QLast Update : Tue Aug 06 01:32:58 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	986215	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2544924	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2330038	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1738193	9.694	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.900%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.729	85	54198	0.319	ppbv	92
3) Chlorodifluoromethane	2.674	51	55836m	0.476	ppbv	
4) Chloromethane	2.809	50	34628	0.555	ppbv	96
9) Propene	2.703	41	76421	1.417	ppbv #	75
11) Trichlorofluoromethane	3.562	101	34547	0.229	ppbv #	79
13) Ethanol	3.243	45	192304	39.894	ppbv	95
15) Acetone	3.462	43	1700109	15.172	ppbv	98
19) Isopropyl Alcohol	3.591	45	62045	0.947	ppbv #	1
20) Methylene Chloride	3.928	84	2395568	57.330	ppbv	98
26) Hexane	5.208	57	1164591	12.611	ppbv #	39
34) 2-Butanone	4.787	43	143097	1.162	ppbv	99
35) Carbon Tetrachloride	6.488	117	9044m	0.064	ppbv	
36) Benzene	6.365	78	41673	0.224	ppbv	94
44) 2,2,4-Trimethylpentane	7.317	57	35030m	0.113	ppbv	
50) 4-Methyl-2-Pentanone	8.192	43	69200m	0.356	ppbv	
51) 2-Hexanone	9.558	43	56684m	0.386	ppbv	
52) Tetrachloroethene	10.610	164	2665m	0.037	ppbv	
53) Toluene	9.217	91	254079	1.227	ppbv	98
58) Ethyl Benzene	12.085	91	395641	1.473	ppbv	96
59) m/p-Xylene	12.339	91	826035	3.563	ppbv	96
60) o-Xylene	13.053	91	222364	1.014	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	29812m	0.115	ppbv	

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

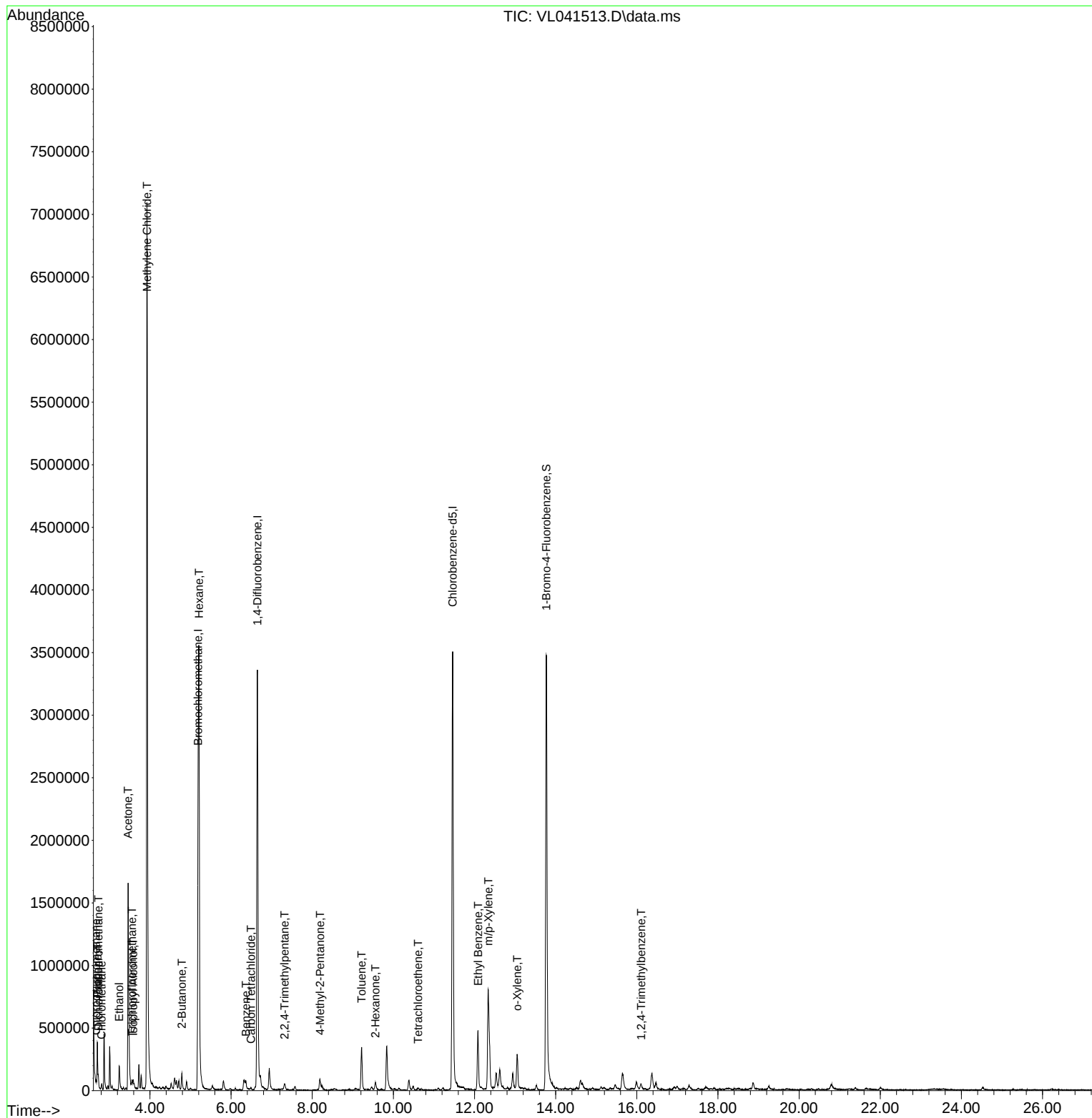
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
Data File : VL041513.D
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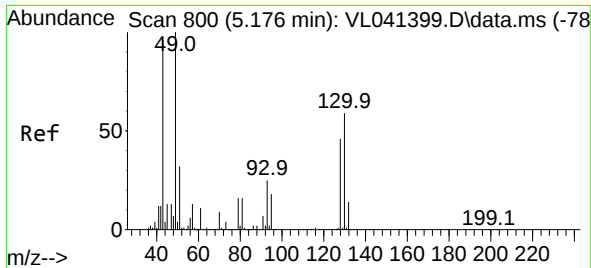
Instrument :
MSVOA_L
ClientSampleId :
B-OM

Quant Time: Aug 09 05:55:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Aug 06 01:32:58 2024
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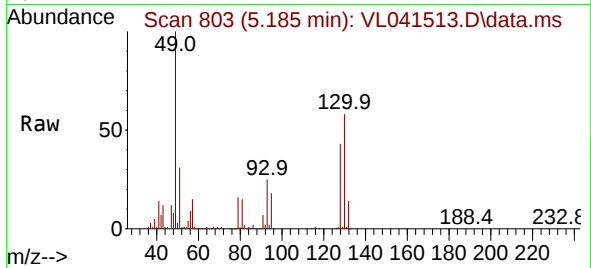
Reviewed By : Semsettin Yesilyurt 08/09/2024
Supervised By : Mahesh Dadoda 08/09/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.004 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

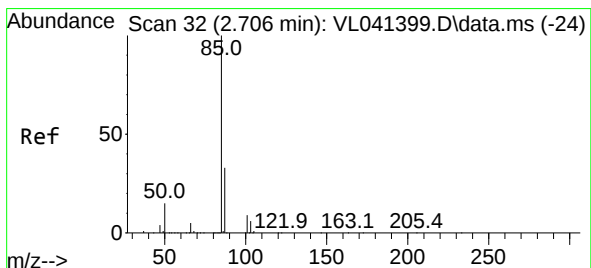
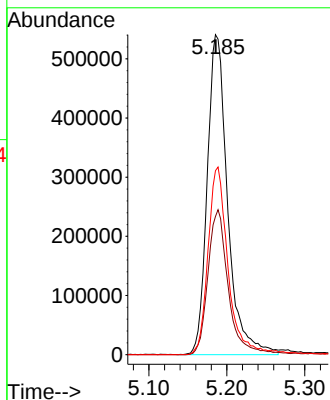
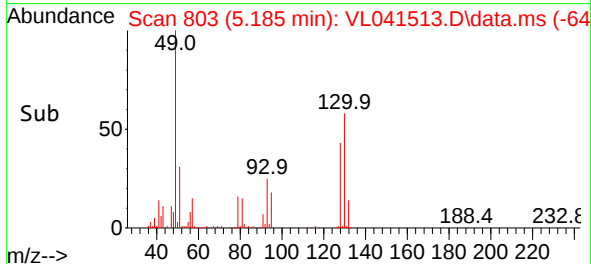
Instrument :
MSVOA_L
ClientSampleId :
B-OM



Tgt Ion: 49 Resp: 986215
Ion Ratio Lower Upper
49 100
128 45.4 23.8 71.4
130 58.5 30.8 92.4

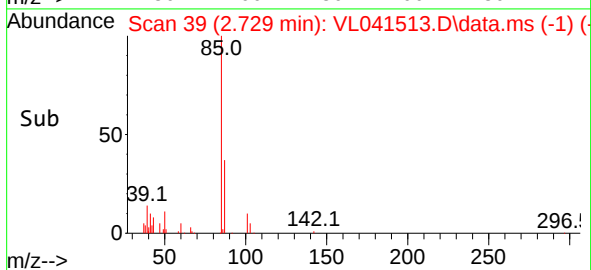
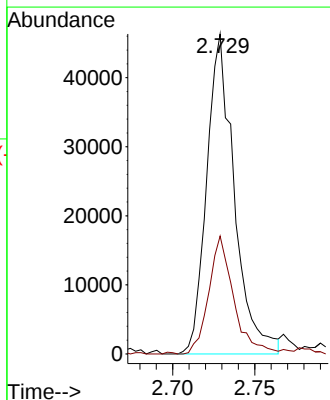
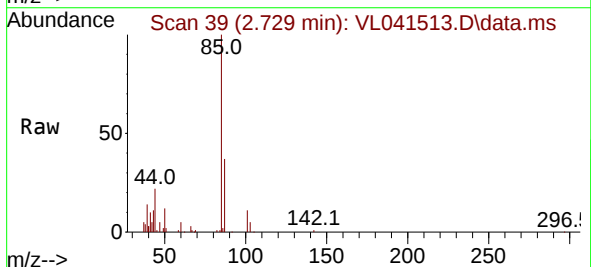
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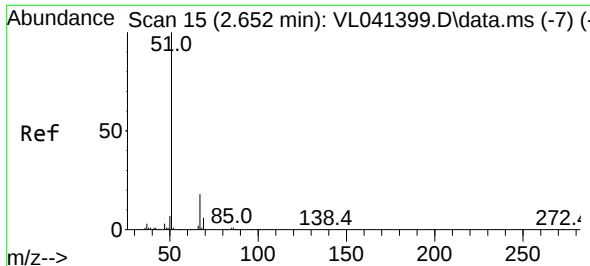
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#2
Dichlorodifluoromethane
Concen: 0.319 ppbv
RT: 2.729 min Scan# 39
Delta R.T. -0.003 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

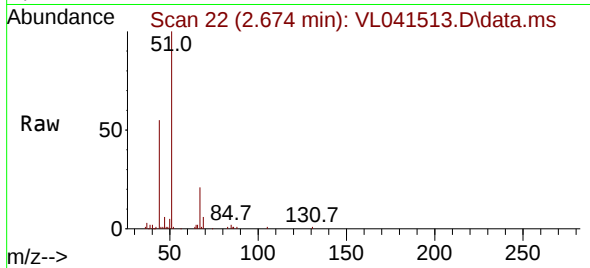
Tgt Ion: 85 Resp: 54198
Ion Ratio Lower Upper
85 100
87 36.8 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.476 ppbv m
RT: 2.674 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

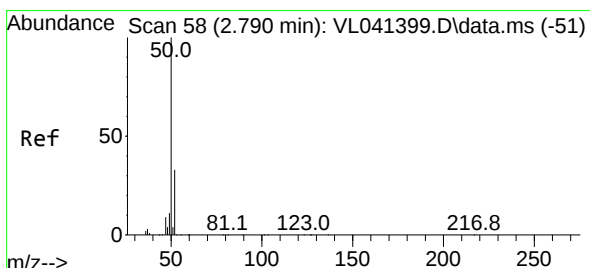
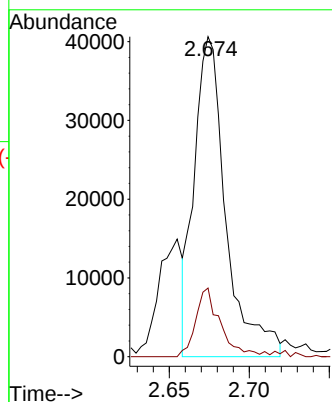
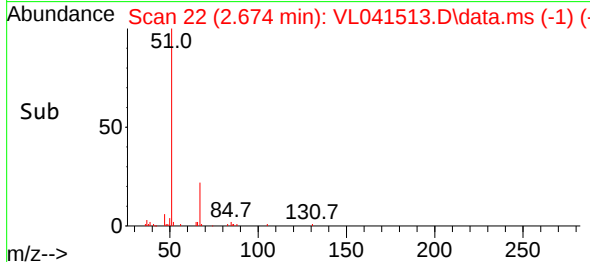
Instrument :
MSVOA_L
ClientSampleId :
B-OM



Tgt Ion: 51 Resp: 55836
Ion Ratio Lower Upper
51 100
67 16.9 14.5 21.7

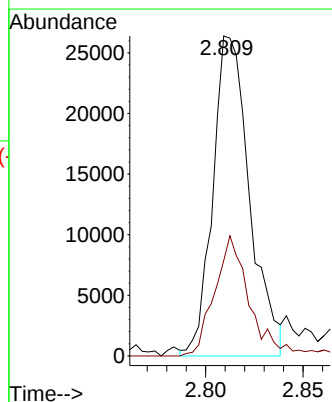
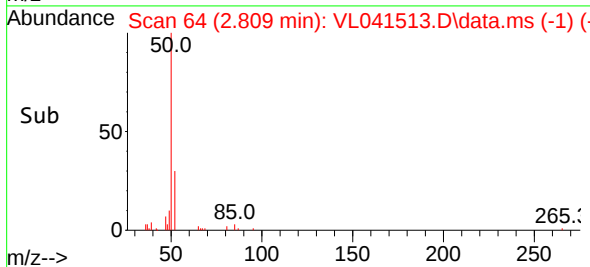
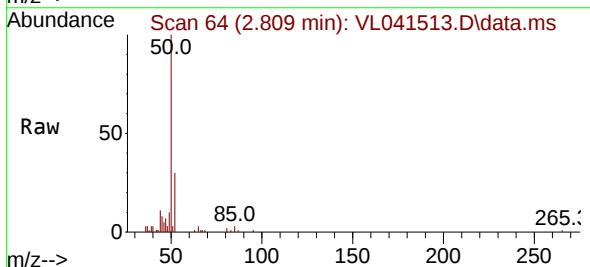
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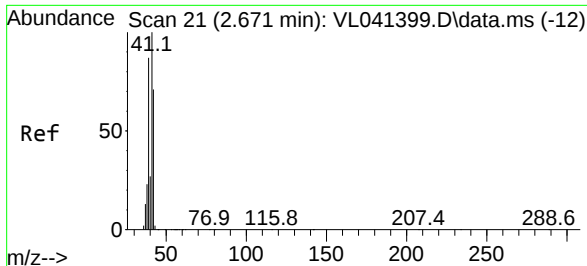
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#4
Chloromethane
Concen: 0.555 ppbv
RT: 2.809 min Scan# 64
Delta R.T. -0.006 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

Tgt Ion: 50 Resp: 34628
Ion Ratio Lower Upper
50 100
52 30.3 26.1 39.1





#9

Propene

Concen: 1.417 ppbv

RT: 2.703 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL041513.D

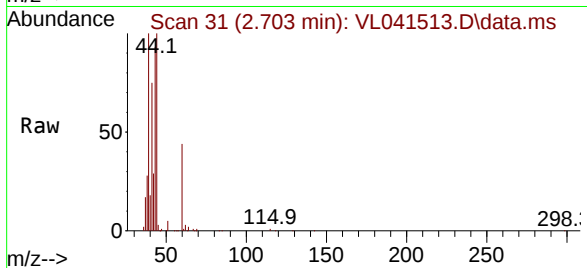
Acq: 8 Aug 2024 15:07

Instrument :

MSVOA_L

ClientSampleId :

B-OM



Tgt Ion: 41 Resp: 7642

Ion Ratio Lower Upper

41 100

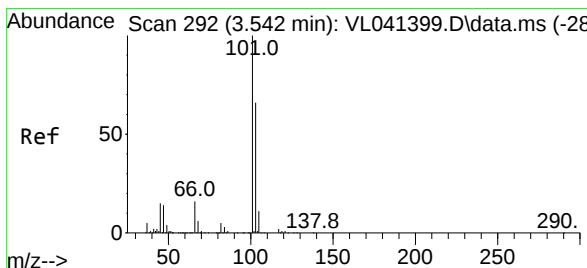
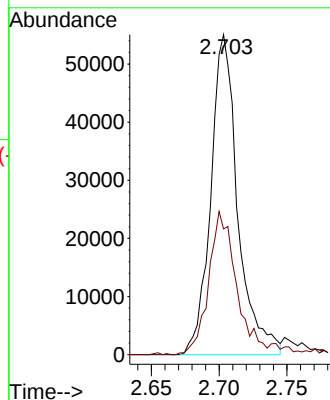
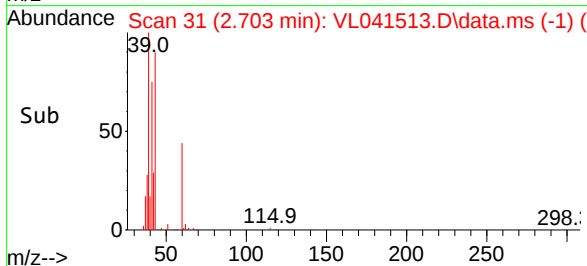
42 49.4 55.9 83.9

Manual Integrations

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Supervised By :Mahesh Dadoda 08/09/2024



#11

Trichlorofluoromethane

Concen: 0.229 ppbv

RT: 3.562 min Scan# 298

Delta R.T. 0.000 min

Lab File: VL041513.D

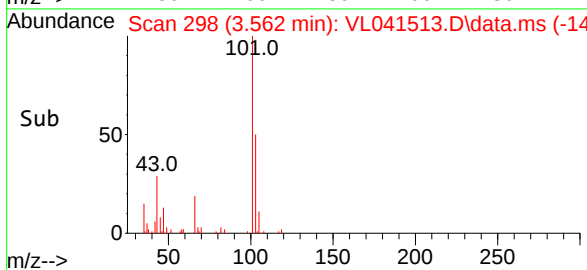
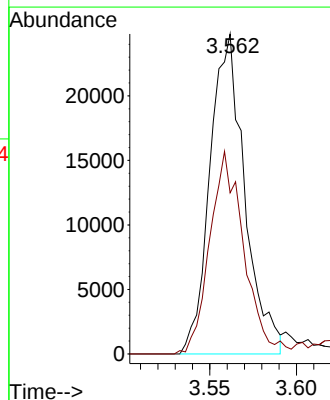
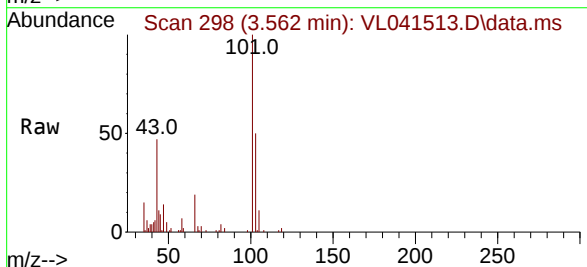
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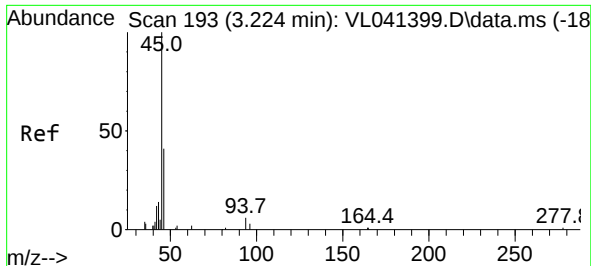
Tgt Ion:101 Resp: 34547

Ion Ratio Lower Upper

101 100

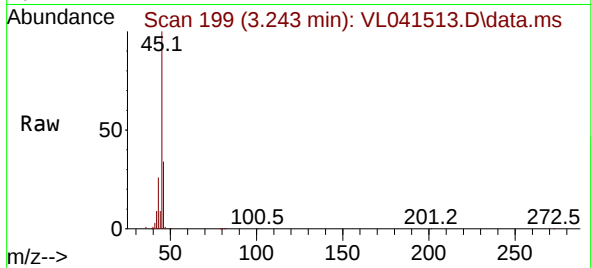
103 49.3 52.6 79.0





#13
Ethanol
Concen: 39.894 ppbv
RT: 3.243 min Scan# 193
Delta R.T. 0.000 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

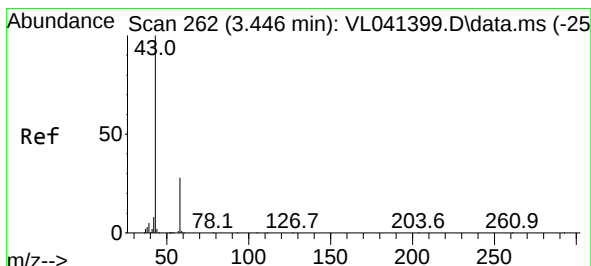
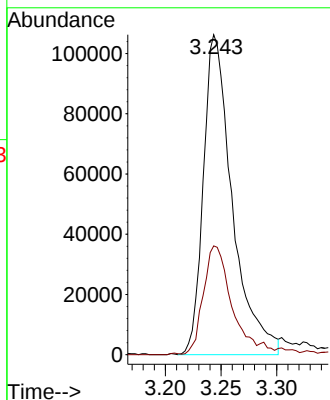
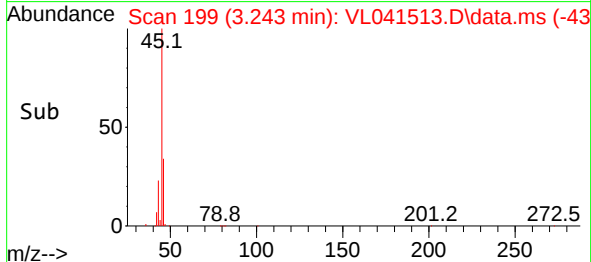
Instrument :
MSVOA_L
ClientSampleId :
B-OM



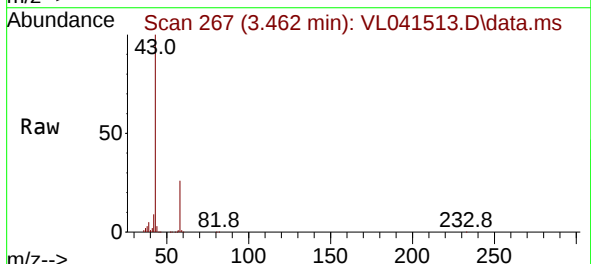
Tgt Ion: 45 Resp: 192304
Ion Ratio Lower Upper
45 100
46 36.5 13.4 53.4

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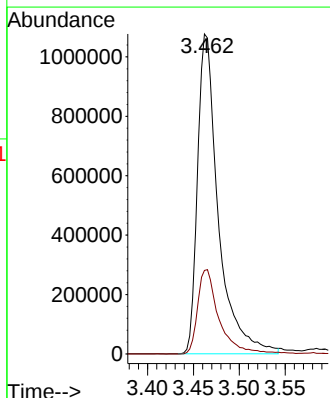
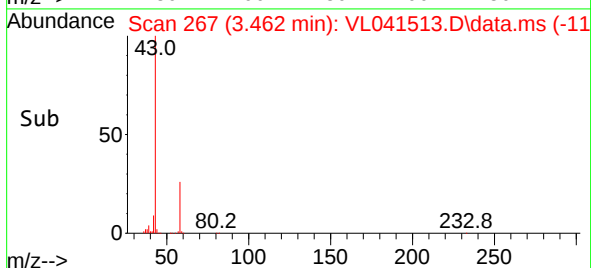
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024

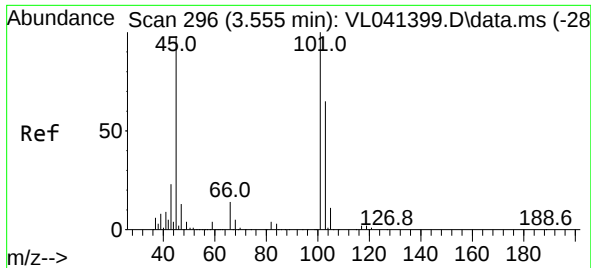


#15
Acetone
Concen: 15.172 ppbv
RT: 3.462 min Scan# 267
Delta R.T. -0.006 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07



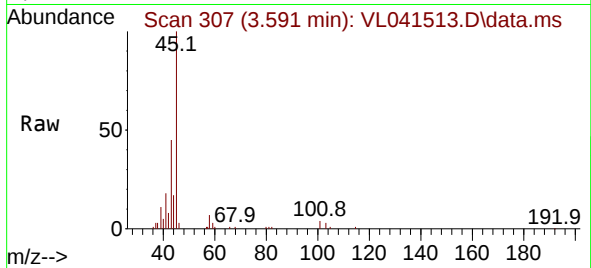
Tgt Ion: 43 Resp: 1700109
Ion Ratio Lower Upper
43 100
58 27.7 21.4 32.2





#19
Isopropyl Alcohol
Concen: 0.947 ppbv
RT: 3.591 min Scan# 307
Delta R.T. 0.016 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

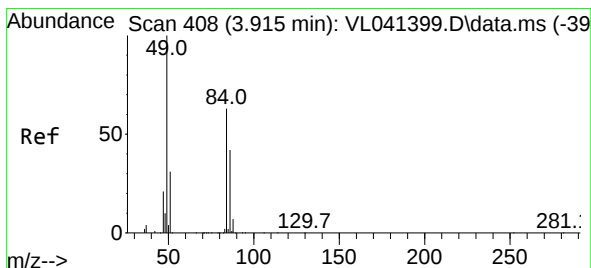
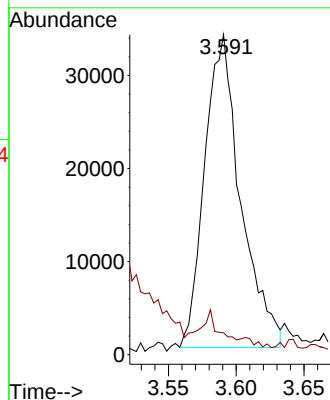
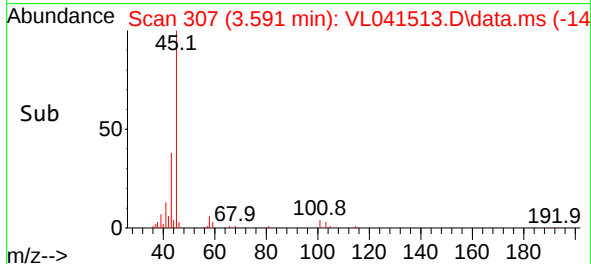
Instrument :
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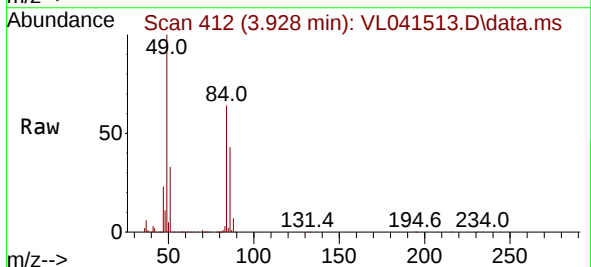
Tgt Ion: 45 Resp: 62045
Ion Ratio Lower Upper
45 100
58 758.0 1.9 2.9

Manual Integrations
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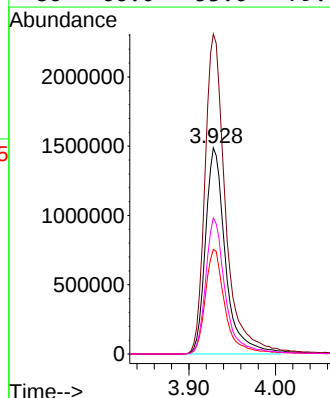
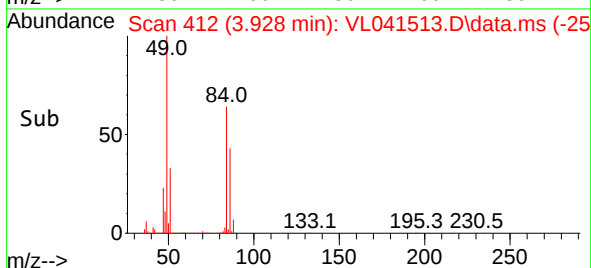
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024

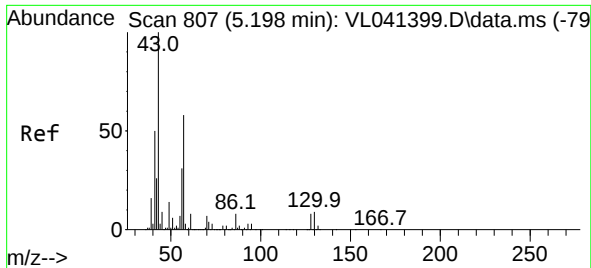


#20
Methylene Chloride
Concen: 57.330 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.003 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07



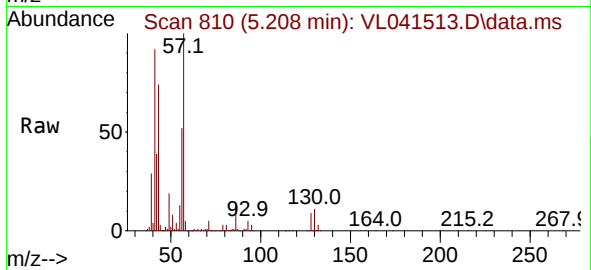
Tgt Ion: 84 Resp: 2395568
Ion Ratio Lower Upper
84 100
49 155.2 126.6 190.0
51 50.7 38.6 58.0
86 66.0 53.0 79.4





#26
Hexane
Concen: 12.611 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.003 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

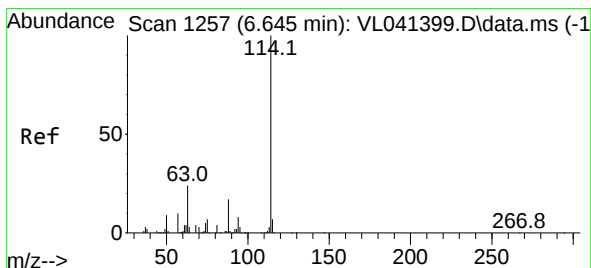
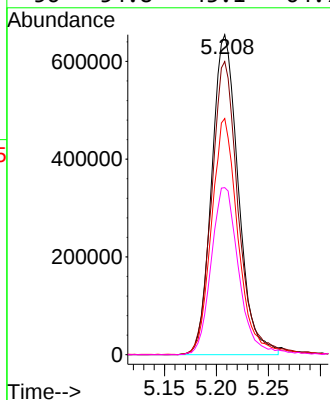
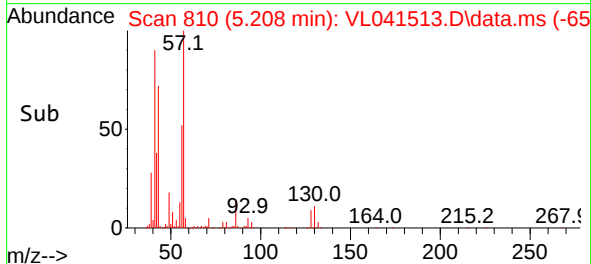
Instrument :
MSVOA_L
ClientSampleId :
B-OM



Tgt Ion: 57 Resp: 116459
Ion Ratio Lower Upper
57 100
41 93.2 74.0 111.0
43 74.5 193.6 290.4
56 54.8 43.1 64.7

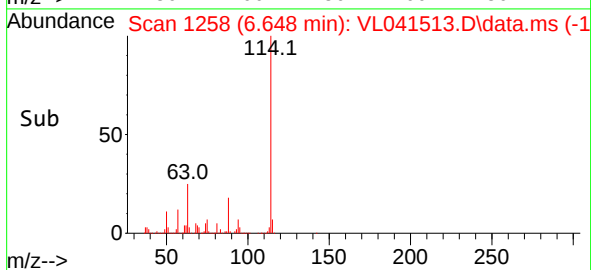
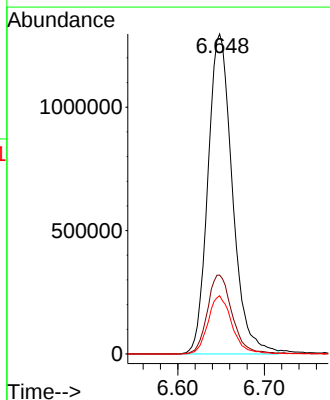
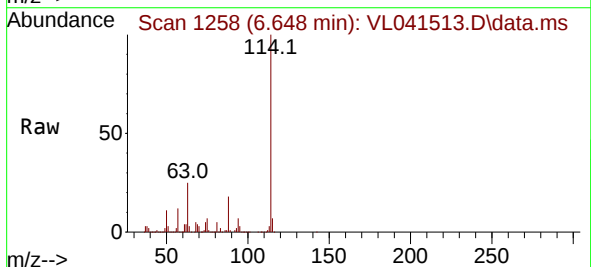
Manual Integrations
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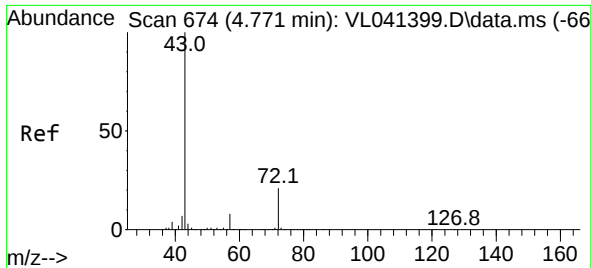
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

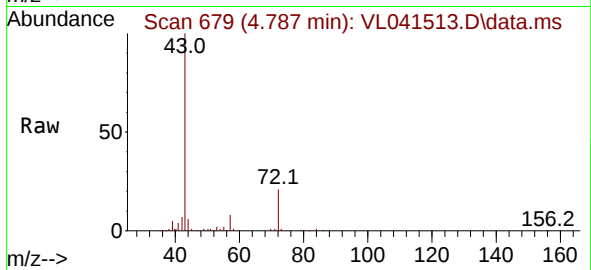
Tgt Ion:114 Resp: 2544924
Ion Ratio Lower Upper
114 100
63 25.3 20.3 30.5
88 17.9 14.3 21.5





#34
2-Butanone
Concen: 1.162 ppbv
RT: 4.787 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

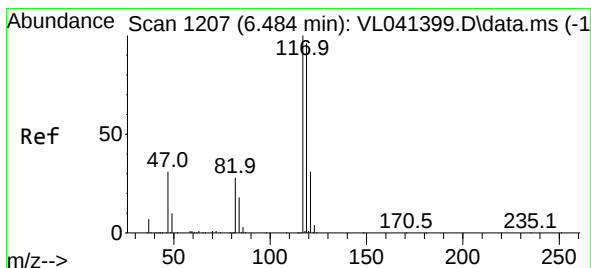
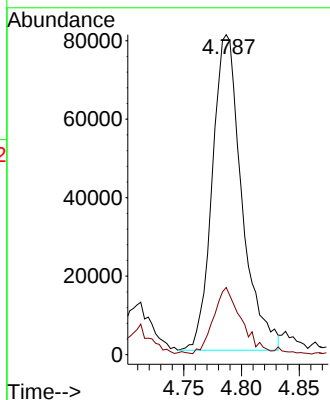
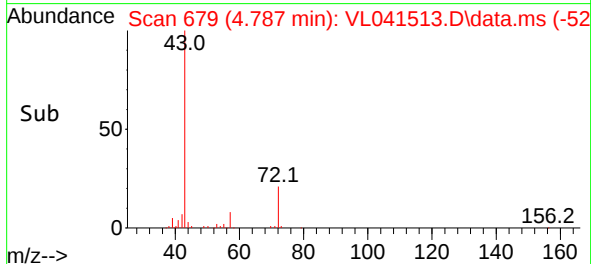
Instrument :
MSVOA_L
ClientSampleId :
B-OM



Tgt Ion: 43 Resp: 14309
Ion Ratio Lower Upper
43 100
72 21.9 17.3 25.9

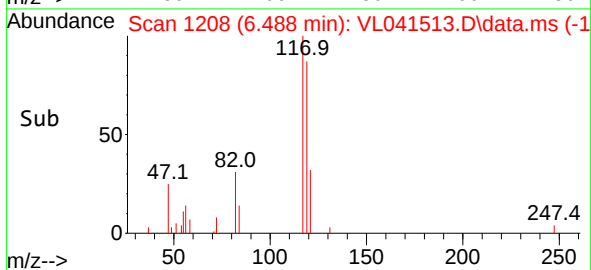
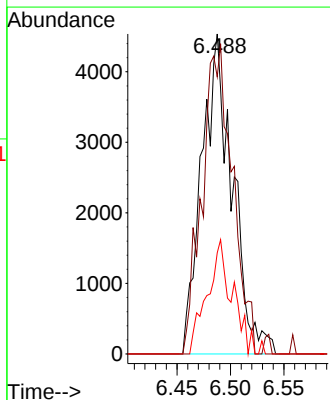
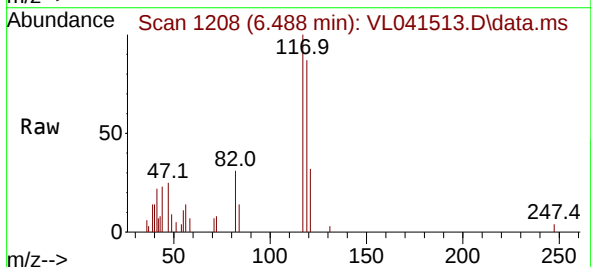
Manual Integrations
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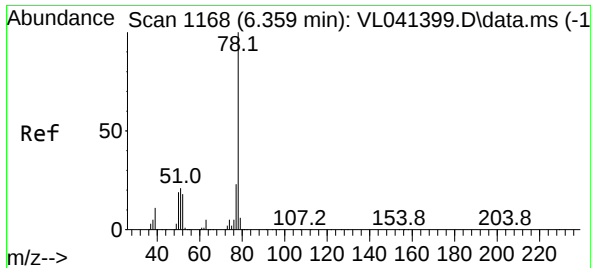
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 6.488 min Scan# 1208
Delta R.T. -0.003 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

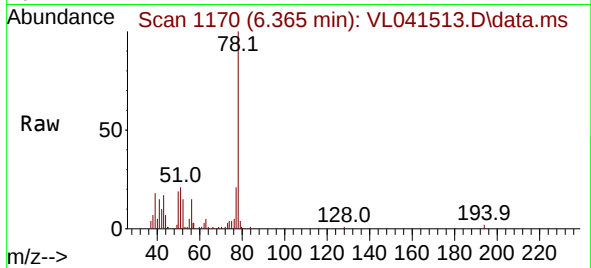
Tgt Ion:117 Resp: 9044
Ion Ratio Lower Upper
117 100
119 86.6 76.6 115.0
121 31.6 25.1 37.7





#36
Benzene
Concen: 0.224 ppbv
RT: 6.365 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

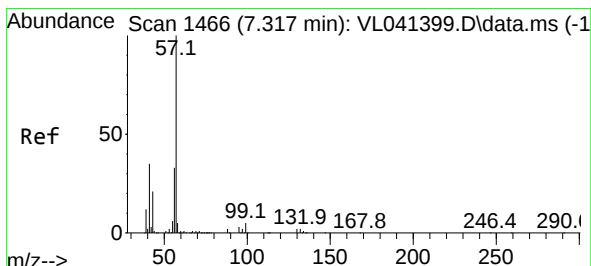
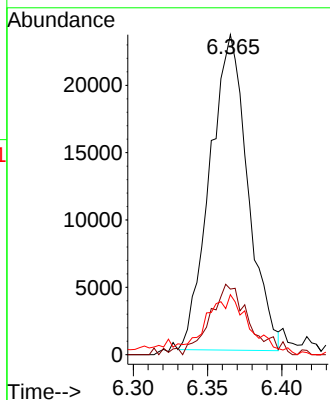
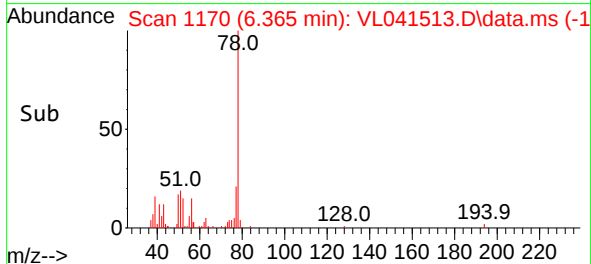
Instrument :
MSVOA_L
ClientSampleId :
B-OM



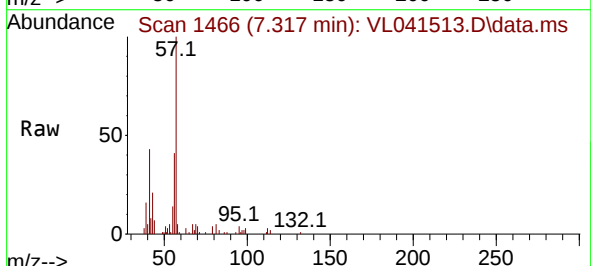
Tgt Ion: 78 Resp: 4167
Ion Ratio Lower Upper
78 100
77 19.2 18.1 27.1
50 17.1 15.5 23.3

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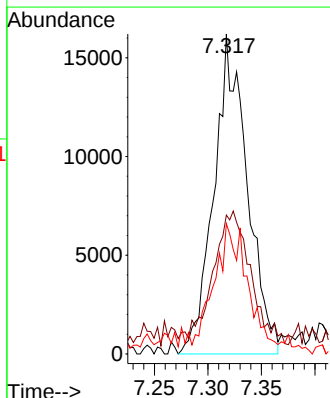
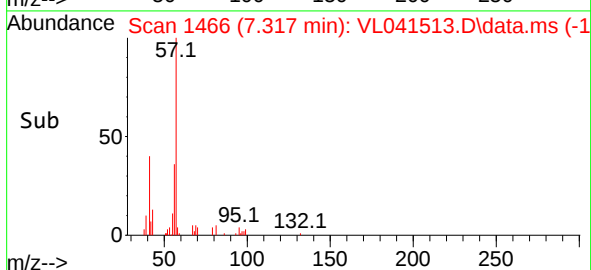
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024

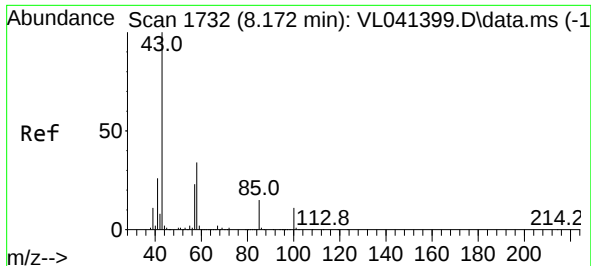


#44
2,2,4-Trimethylpentane
Concen: 0.113 ppbv m
RT: 7.317 min Scan# 1466
Delta R.T. -0.003 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07



Tgt Ion: 57 Resp: 35030
Ion Ratio Lower Upper
57 100
41 0.0 27.0 40.6#
56 45.7 25.2 37.8#





#50

4-Methyl-2-Pentanone

Concen: 0.356 ppbv m

RT: 8.192 min Scan# 1

Delta R.T. 0.016 min

Lab File: VL041513.D

Acq: 8 Aug 2024 15:07

Instrument :

MSVOA_L

ClientSampleId :

B-OM

Tgt Ion: 43 Resp: 69200

Ion Ratio Lower Upper

43 100

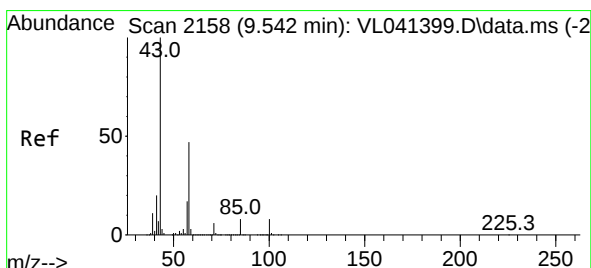
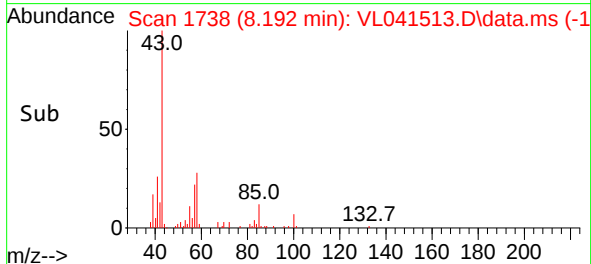
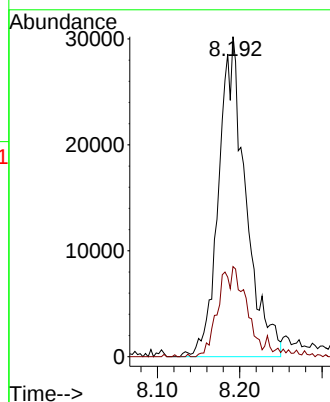
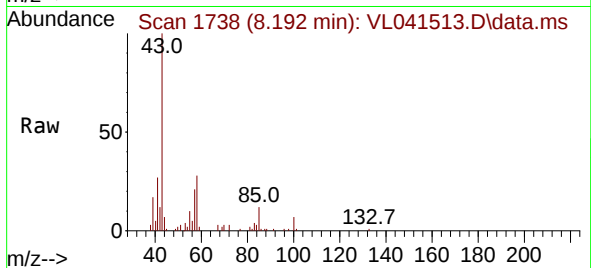
58 0.0 27.9 41.9

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Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#51

2-Hexanone

Concen: 0.386 ppbv m

RT: 9.558 min Scan# 2163

Delta R.T. 0.013 min

Lab File: VL041513.D

Acq: 8 Aug 2024 15:07

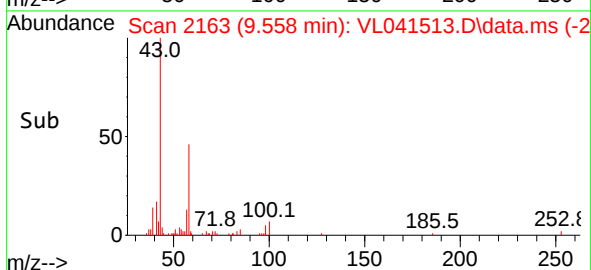
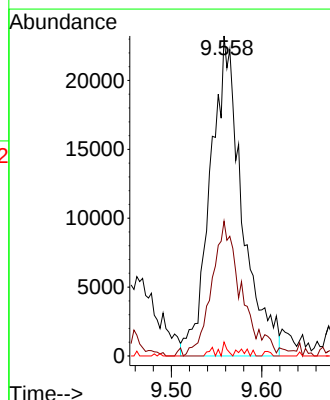
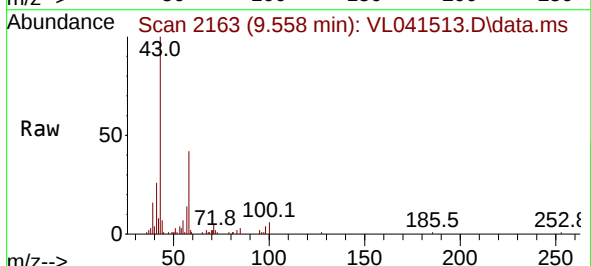
Tgt Ion: 43 Resp: 56684

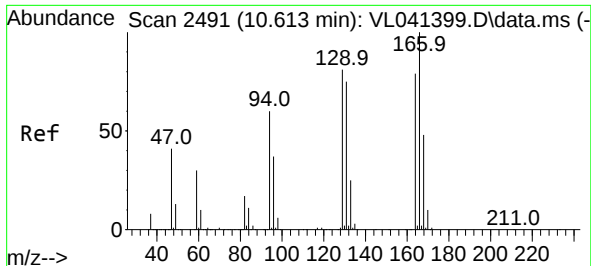
Ion Ratio Lower Upper

43 100

58 40.9 38.2 57.2

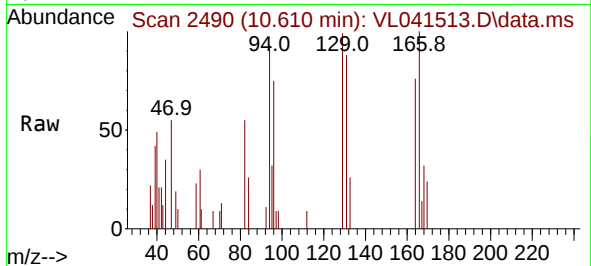
98 1.9 0.3 0.5





#52
Tetrachloroethene
Concen: 0.037 ppbv m
RT: 10.610 min Scan# 2491
Delta R.T. -0.003 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

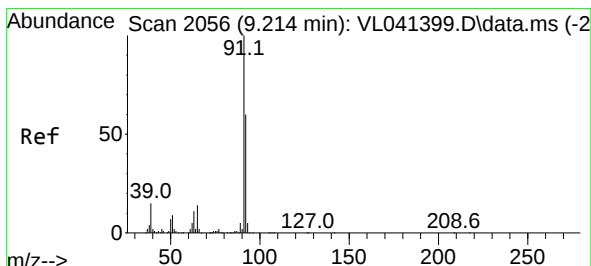
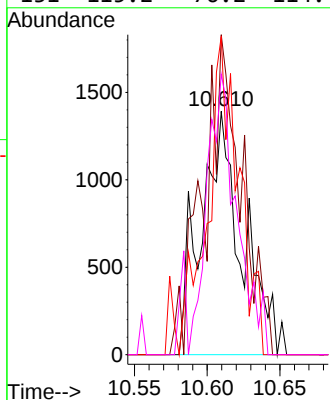
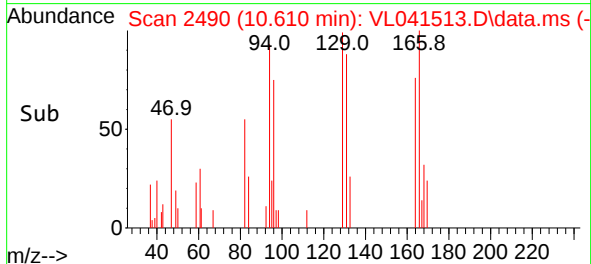
Instrument :
MSVOA_L
ClientSampleId :
B-OM



Tgt Ion:164 Resp: 266
Ion Ratio Lower Upper
164 100
166 131.5 101.1 151.7
129 130.7 81.7 122.5
131 115.2 76.2 114.4#

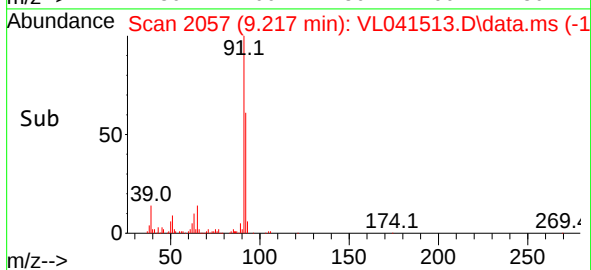
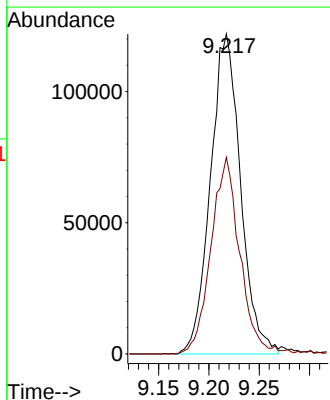
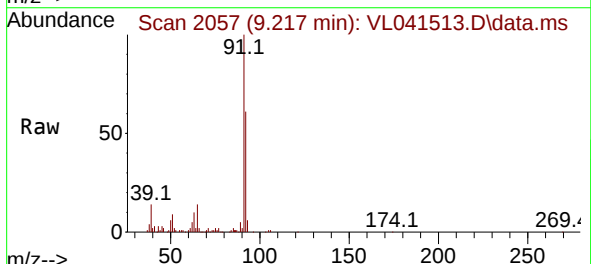
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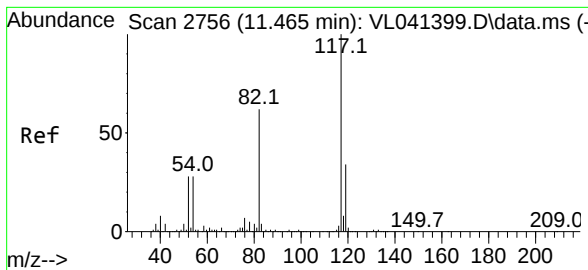
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#53
Toluene
Concen: 1.227 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

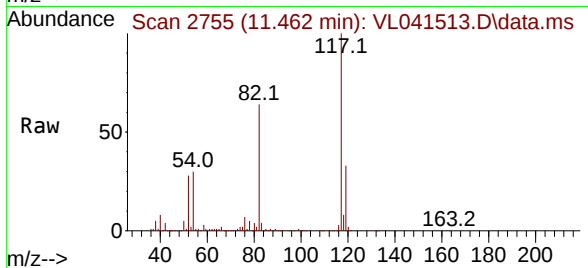
Tgt Ion: 91 Resp: 254079
Ion Ratio Lower Upper
91 100
92 59.7 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

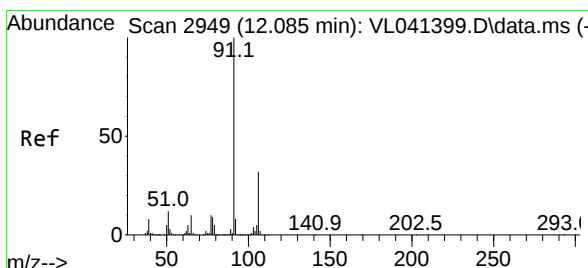
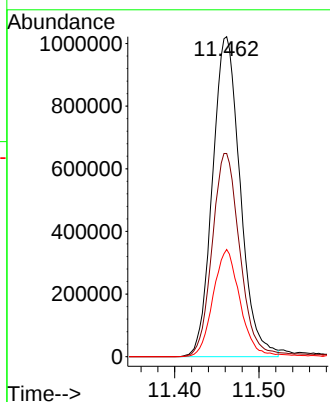
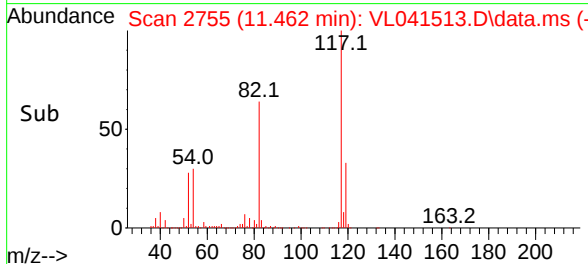
Instrument :
MSVOA_L
ClientSampleId :
B-OM



Tgt Ion: 117 Resp: 2330038
Ion Ratio Lower Upper
117 100
82 65.5 51.0 76.6
119 33.4 45.2 67.8

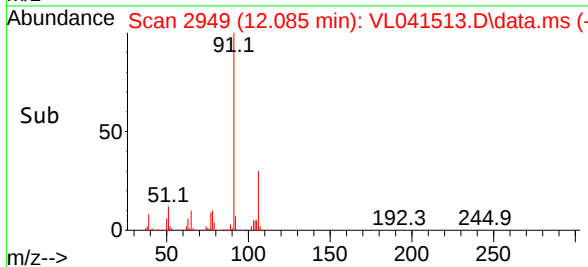
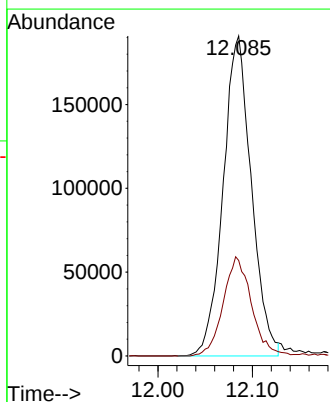
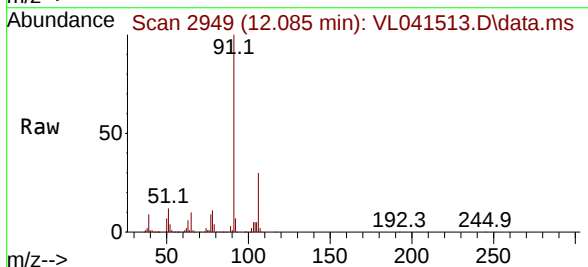
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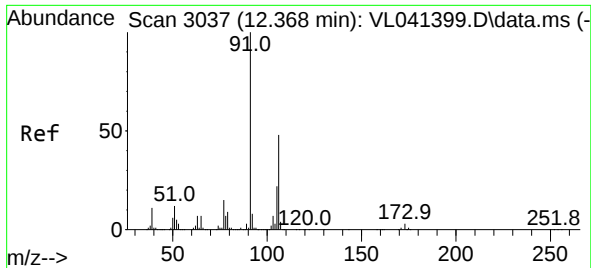
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#58
Ethyl Benzene
Concen: 1.473 ppbv
RT: 12.085 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

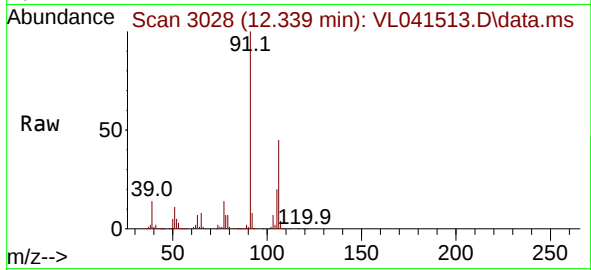
Tgt Ion: 91 Resp: 395641
Ion Ratio Lower Upper
91 100
106 29.8 25.8 38.8





#59
m/p-Xylene
Concen: 3.563 ppbv
RT: 12.339 min Scan# 3037
Delta R.T. -0.029 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

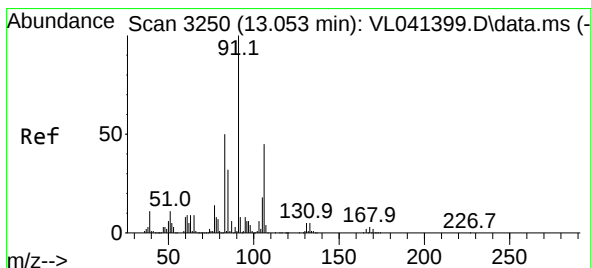
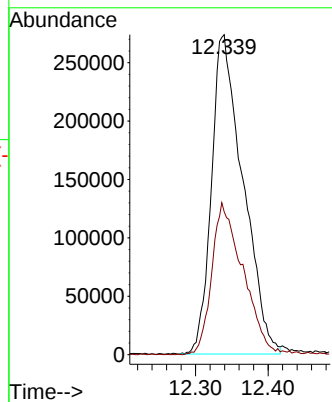
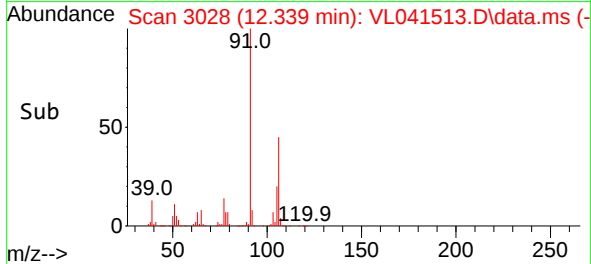
Instrument :
MSVOA_L
ClientSampleId :
B-OM



Tgt Ion: 91 Resp: 826035
Ion Ratio Lower Upper
91 100
106 48.0 36.3 54.5

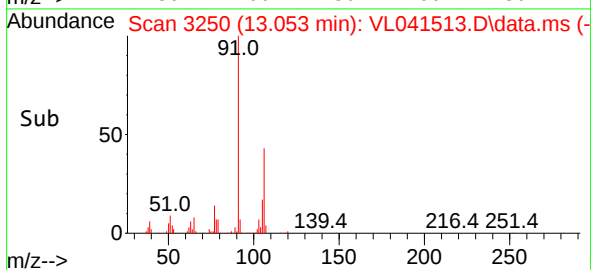
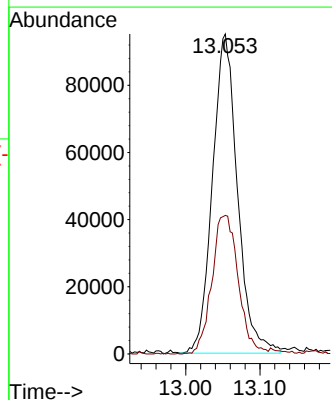
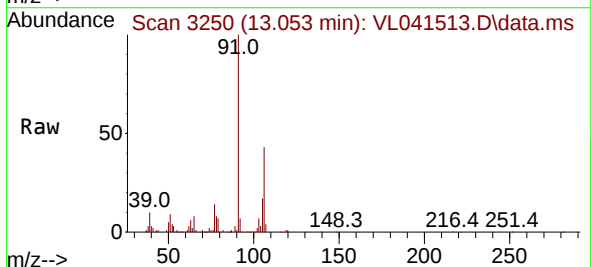
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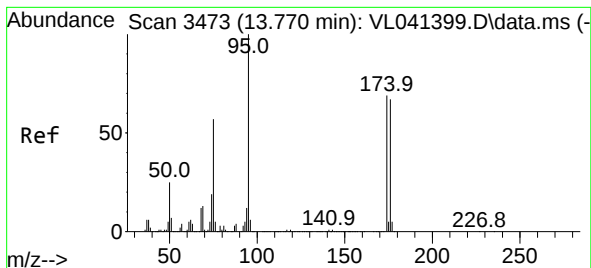
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#60
o-Xylene
Concen: 1.014 ppbv
RT: 13.053 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

Tgt Ion: 91 Resp: 222364
Ion Ratio Lower Upper
91 100
106 46.7 23.1 69.3





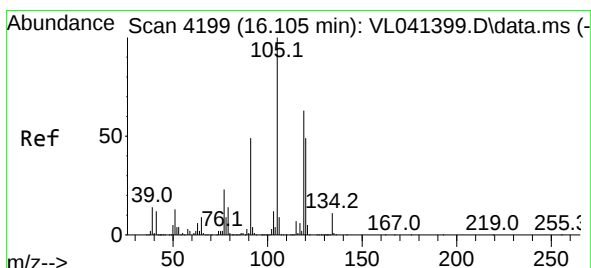
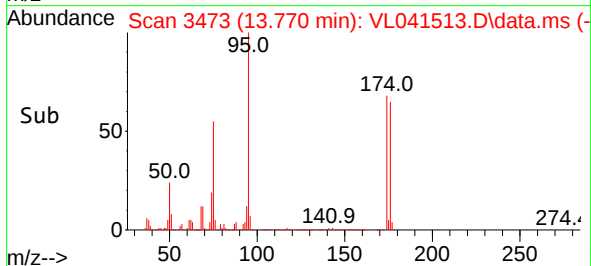
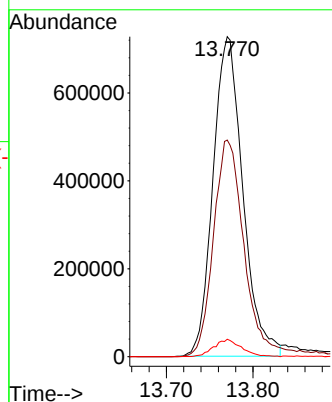
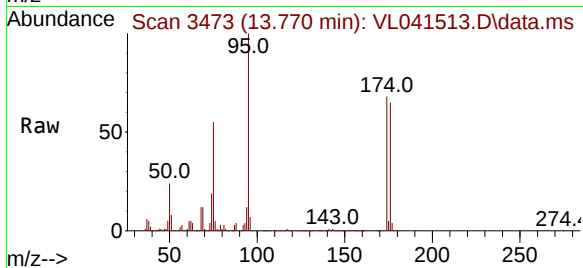
#68
1-Bromo-4-Fluorobenzene
Concen: 9.694 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. 0.003 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

Instrument :
MSVOA_L
ClientSampleId :
B-OM

Tgt Ion: 95 Resp: 173819
Ion Ratio Lower Upper
95 100
174 72.3 56.3 84.5
175 5.3 4.0 6.0

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.115 ppbv m
RT: 16.108 min Scan# 4200
Delta R.T. 0.007 min
Lab File: VL041513.D
Acq: 8 Aug 2024 15:07

Tgt Ion:105 Resp: 29812
Ion Ratio Lower Upper
105 100
120 41.4 39.5 59.3
91 14.4 39.8 59.8#
77 19.5 18.2 27.4

