

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041515.D
 Acq On : 8 Aug 2024 16:29
 Operator : SY/MD
 Sample : P3496-02 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5

Manual Integrations
 APPROVED

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

Quant Time: Aug 09 05:56:26 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	1062298	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2829410	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2662794	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2072887	10.116	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 101.200%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.725	85	28856	0.158	ppbv	98
3) Chlorodifluoromethane	2.671	51	27903m	0.221	ppbv	
4) Chloromethane	2.806	50	23391	0.348	ppbv	93
9) Propene	2.693	41	723202	12.449	ppbv	89
10) Heptane	7.571	43	23840m	0.183	ppbv	
11) Trichlorofluoromethane	3.561	101	19828	0.122	ppbv	87
13) Ethanol	3.234	45	406443	78.278	ppbv	90
15) Acetone	3.462	43	944335m	7.824	ppbv	
19) Isopropyl Alcohol	3.574	45	136090	1.929	ppbv #	1
20) Methylene Chloride	3.928	84	93569	2.079	ppbv	95
26) Hexane	5.208	57	100360	1.009	ppbv #	39
27) Carbon Disulfide	4.121	76	63107	0.542	ppbv #	91
30) Cyclohexane	6.590	84	10625m	0.131	ppbv	
34) 2-Butanone	4.780	43	292812	2.139	ppbv	97
35) Carbon Tetrachloride	6.491	117	15290m	0.098	ppbv	
36) Benzene	6.359	78	43329m	0.210	ppbv	
44) 2,2,4-Trimethylpentane	7.320	57	52041m	0.151	ppbv	
53) Toluene	9.217	91	124910	0.542	ppbv	95
58) Ethyl Benzene	12.072	91	31864m	0.104	ppbv	
59) m/p-Xylene	12.336	91	90761m	0.343	ppbv	
60) o-Xylene	13.050	91	37100m	0.148	ppbv	
74) 1,2,4-Trimethylbenzene	16.095	105	29727m	0.101	ppbv	

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

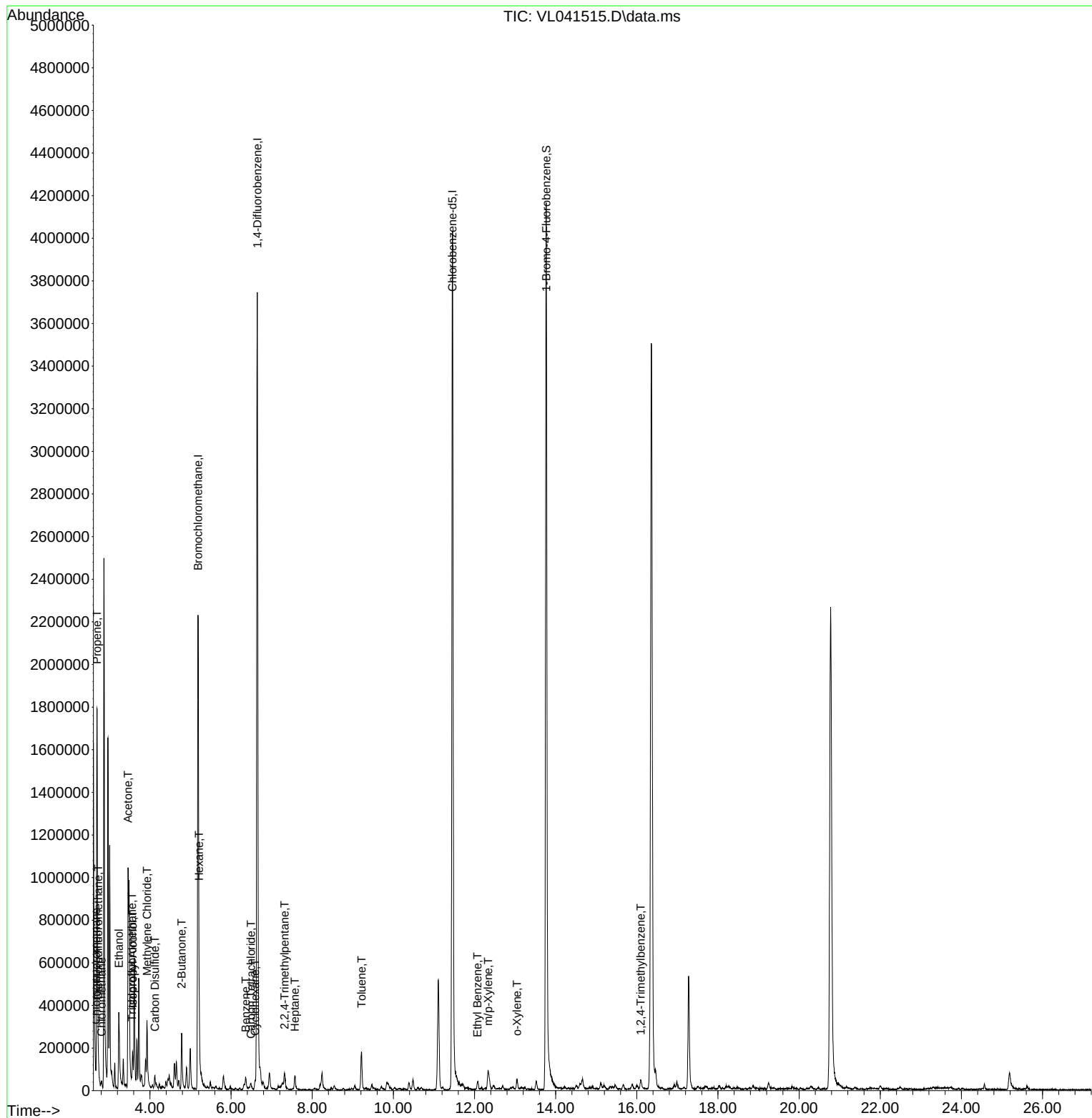
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
Data File : VL041515.D
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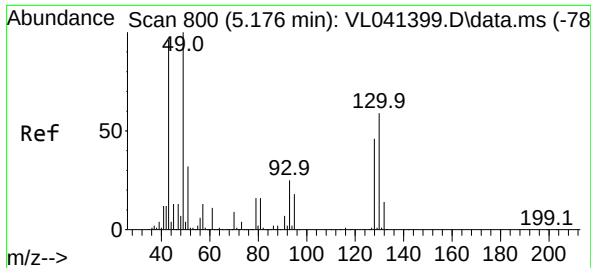
Instrument :
MSVOA_L
ClientSampleId :
SV-5

Quant Time: Aug 09 05:56:26 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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Manual Integrations
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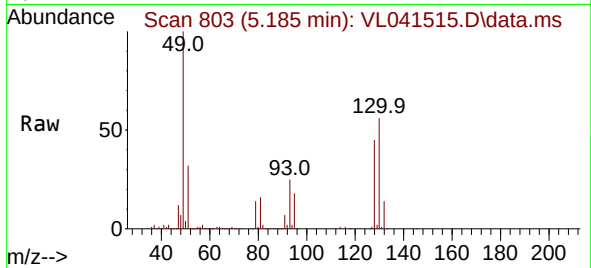
Reviewed By : Semsettin Yesilyurt 08/09/2024
Supervised By : Mahesh Dadoda 08/09/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.004 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

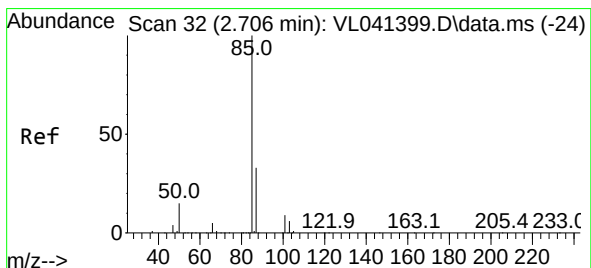
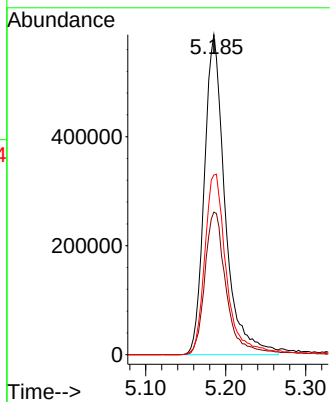
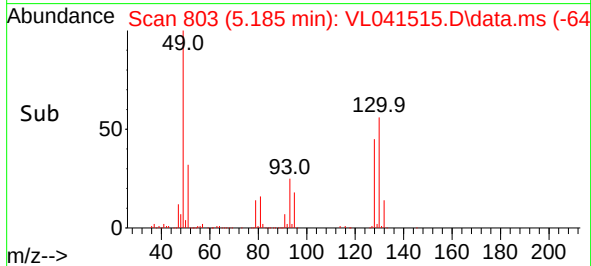
Instrument :
MSVOA_L
ClientSampleId :
SV-5



Tgt Ion: 49 Resp: 1062298
Ion Ratio Lower Upper
49 100
128 47.3 23.8 71.4
130 60.4 30.8 92.4

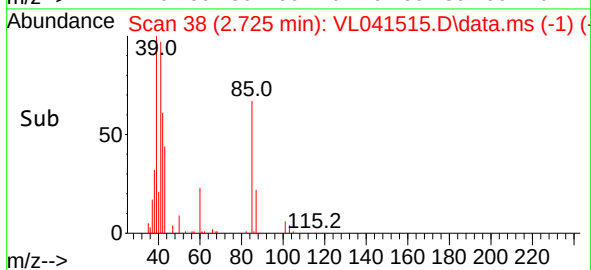
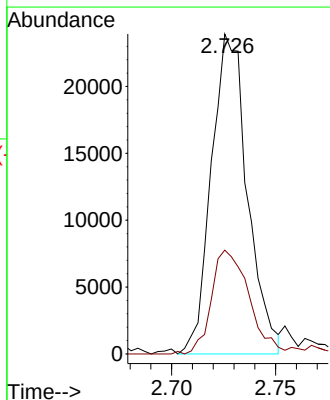
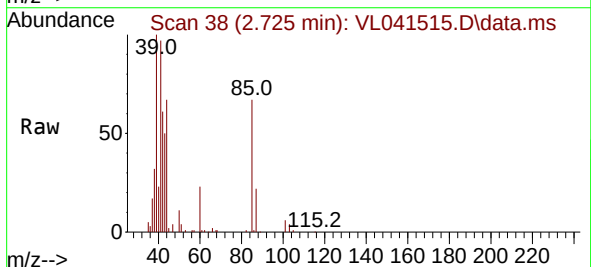
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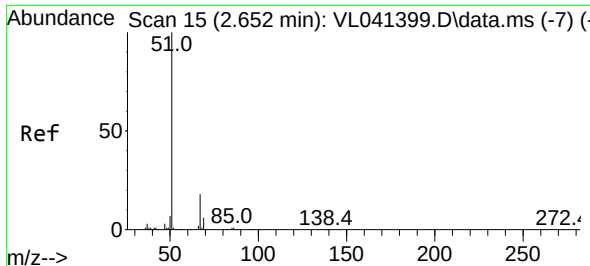
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#2
Dichlorodifluoromethane
Concen: 0.158 ppbv
RT: 2.725 min Scan# 38
Delta R.T. -0.007 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

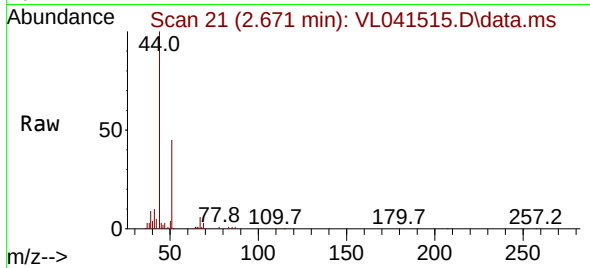
Tgt Ion: 85 Resp: 28856
Ion Ratio Lower Upper
85 100
87 31.7 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.221 ppbv m
RT: 2.671 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

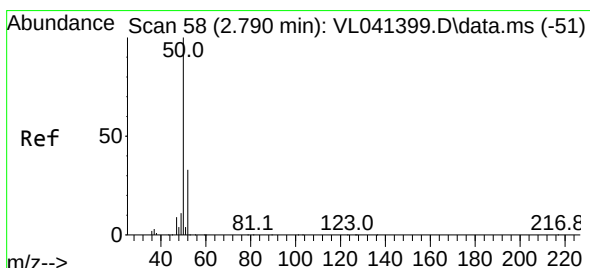
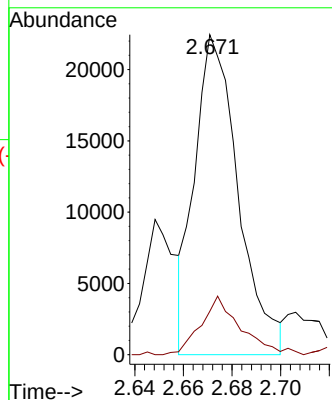
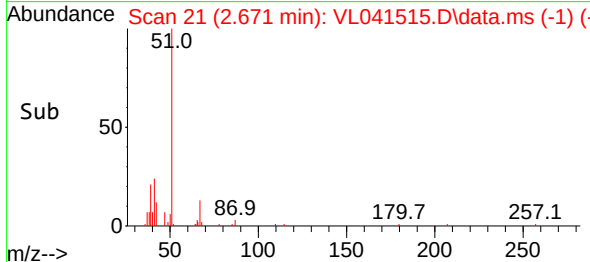
Instrument :
MSVOA_L
ClientSampleId :
SV-5



Tgt Ion: 51 Resp: 2790
Ion Ratio Lower Upper
51 100
67 17.6 14.5 21.7

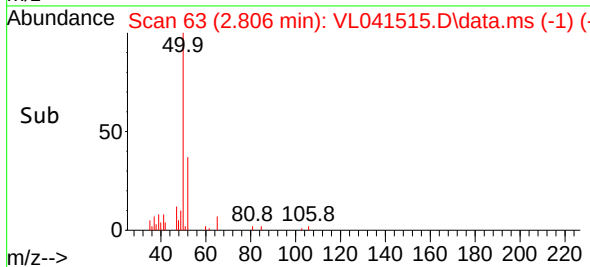
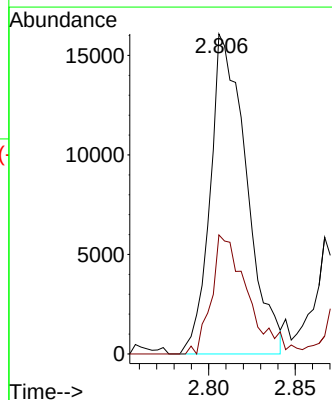
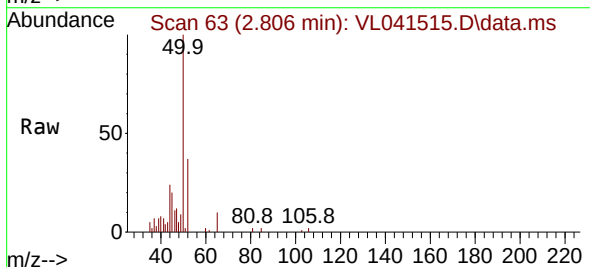
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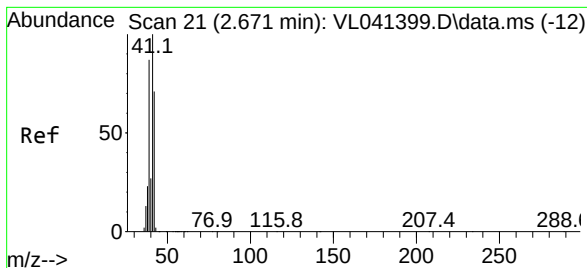
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#4
Chloromethane
Concen: 0.348 ppbv
RT: 2.806 min Scan# 63
Delta R.T. -0.010 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

Tgt Ion: 50 Resp: 23391
Ion Ratio Lower Upper
50 100
52 36.5 26.1 39.1





#9

Propene

Concen: 12.449 ppbv

RT: 2.693 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041515.D

Acq: 8 Aug 2024 16:29

Instrument :

MSVOA_L

ClientSampleId :

SV-5

Tgt Ion: 41 Resp: 72320

Ion Ratio Lower Upper

41 100

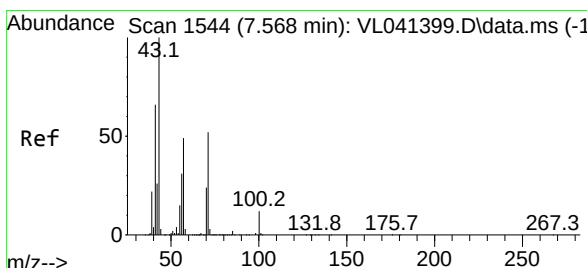
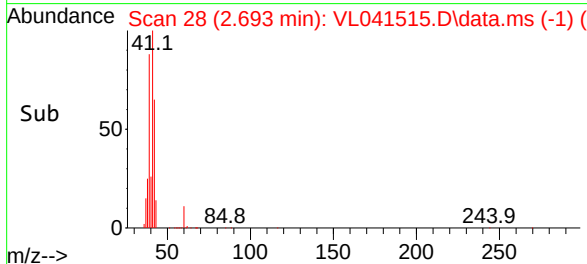
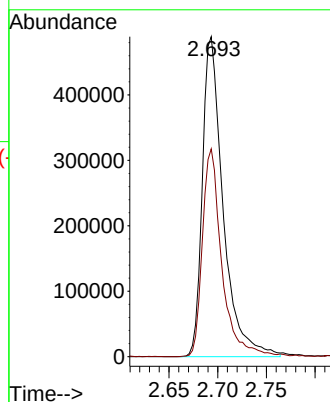
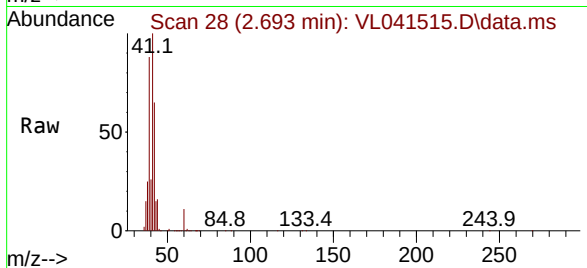
42 61.3 55.9 83.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#10

Heptane

Concen: 0.183 ppbv m

RT: 7.571 min Scan# 1545

Delta R.T. -0.003 min

Lab File: VL041515.D

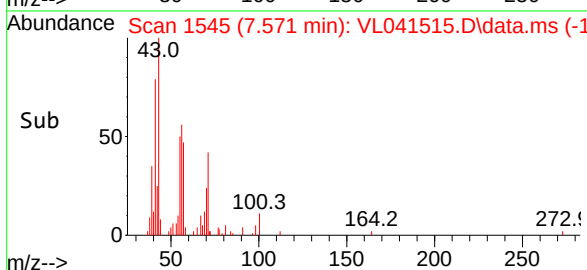
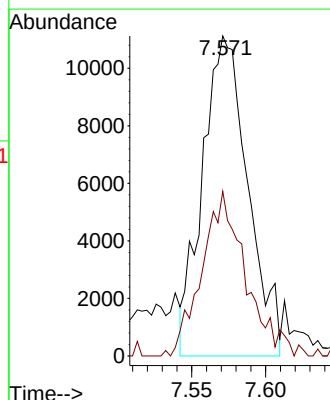
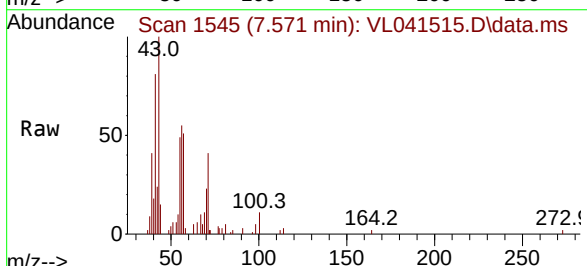
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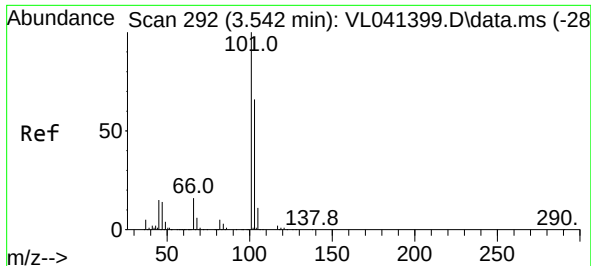
Tgt Ion: 43 Resp: 23840

Ion Ratio Lower Upper

43 100

57 49.5 40.5 60.7





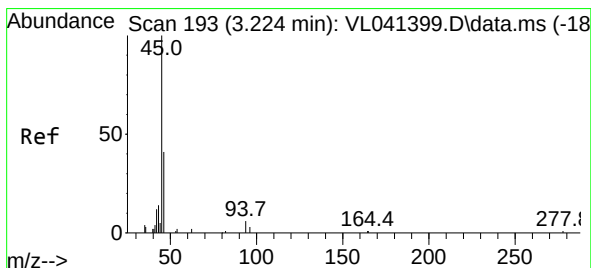
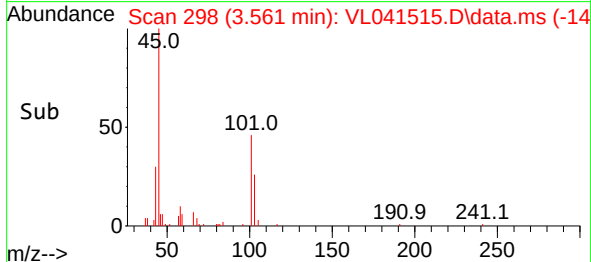
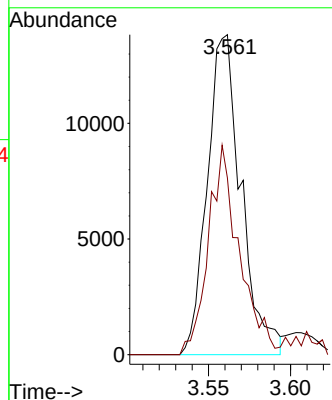
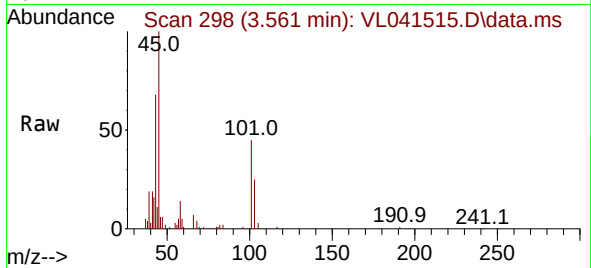
#11
Trichlorofluoromethane
Concen: 0.122 ppbv
RT: 3.561 min Scan# 292
Delta R.T. -0.000 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

Instrument :
MSVOA_L
ClientSampleId :
SV-5

Tgt Ion:101 Resp: 19828
Ion Ratio Lower Upper
101 100
103 55.2 52.6 79.0

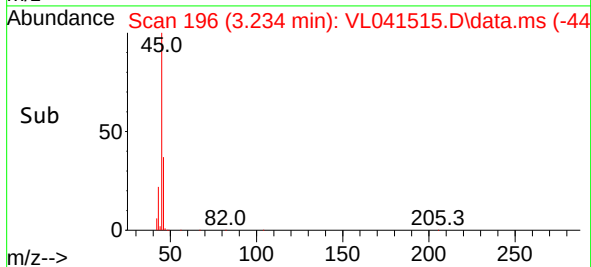
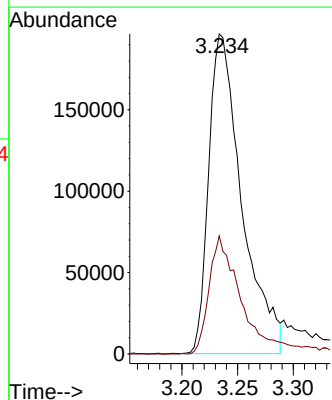
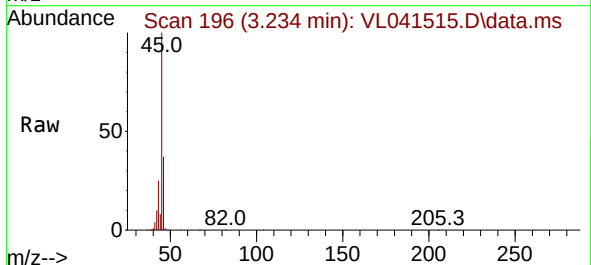
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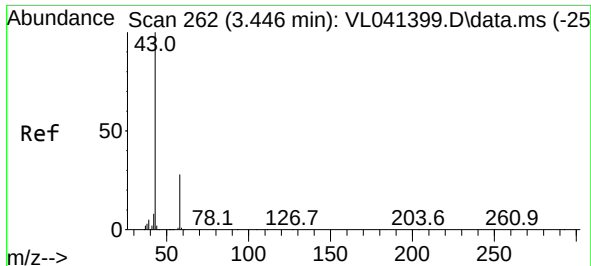
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#13
Ethanol
Concen: 78.278 ppbv
RT: 3.234 min Scan# 196
Delta R.T. -0.010 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

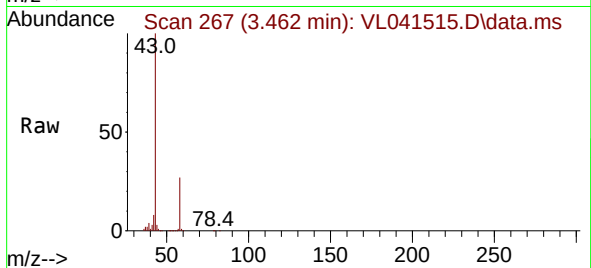
Tgt Ion: 45 Resp: 406443
Ion Ratio Lower Upper
45 100
46 39.2 13.4 53.4





#15
Acetone
Concen: 7.824 ppbv m
RT: 3.462 min Scan# 20
Delta R.T. -0.006 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

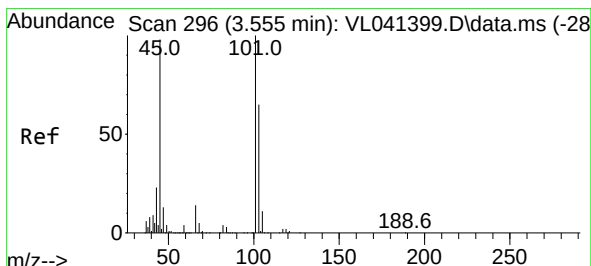
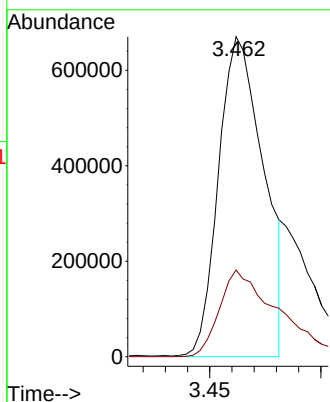
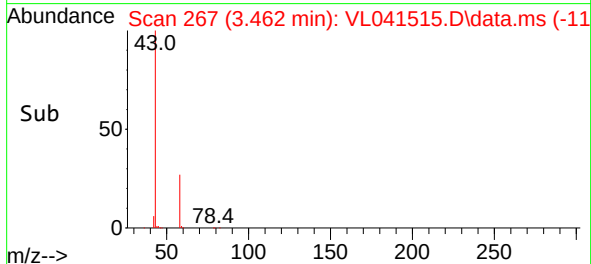
Instrument :
MSVOA_L
ClientSampleId :
SV-5



Tgt Ion: 43 Resp: 944335
Ion Ratio Lower Upper
43 100
58 38.6 21.4 32.2

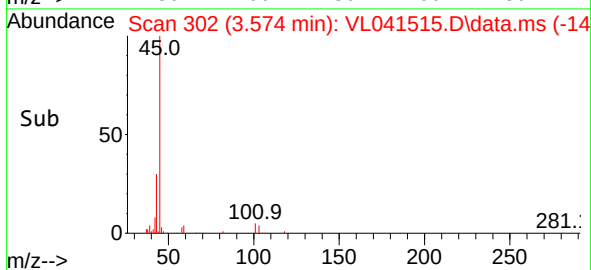
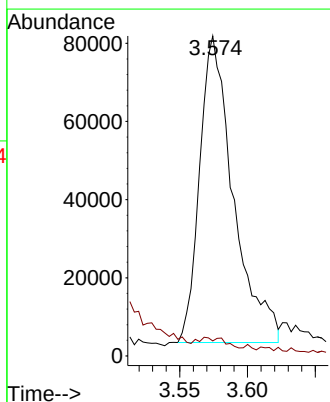
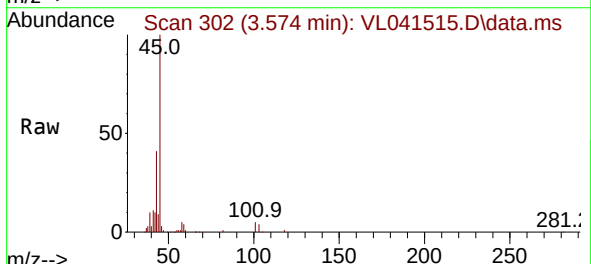
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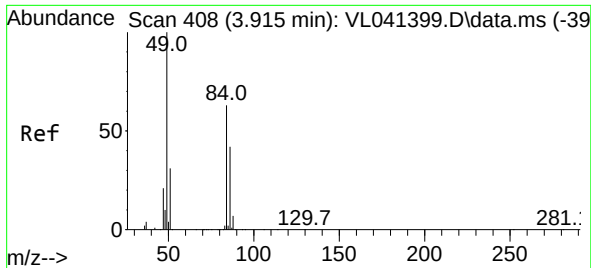
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#19
Isopropyl Alcohol
Concen: 1.929 ppbv
RT: 3.574 min Scan# 302
Delta R.T. -0.000 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

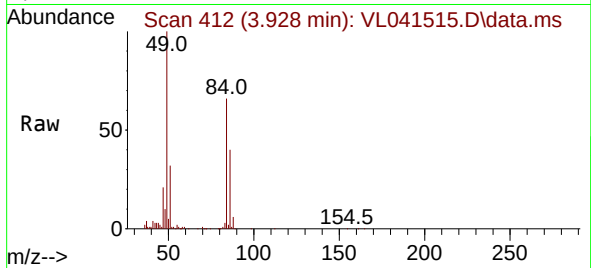
Tgt Ion: 45 Resp: 136090
Ion Ratio Lower Upper
45 100
58 268.2 1.9 2.9





#20
Methylene Chloride
Concen: 2.079 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.003 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

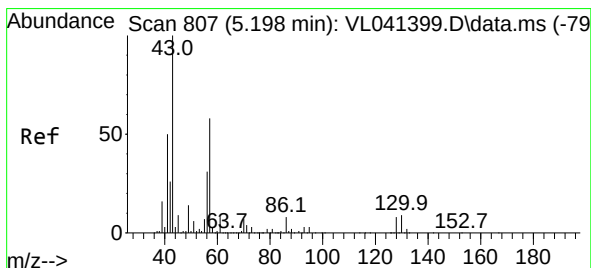
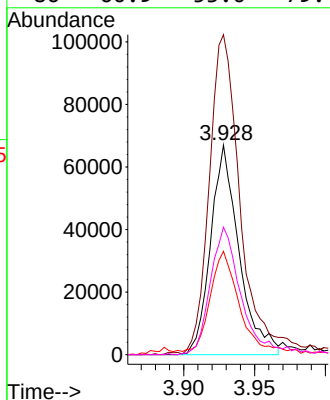
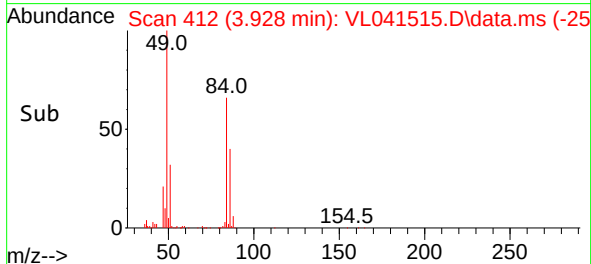
Instrument :
MSVOA_L
ClientSampleId :
SV-5



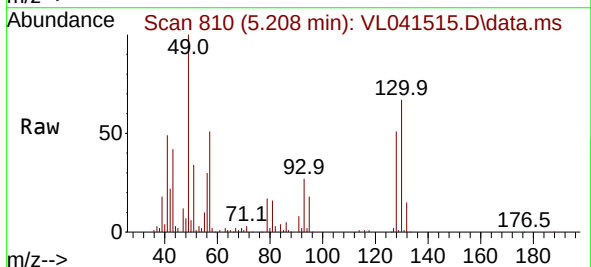
Tgt Ion: 84 Resp: 93569
Ion Ratio Lower Upper
84 100
49 151.6 126.6 190.0
51 47.3 38.6 58.0
86 60.9 53.0 79.4

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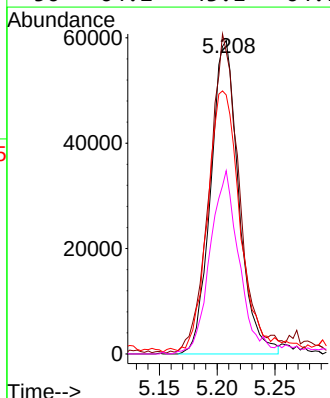
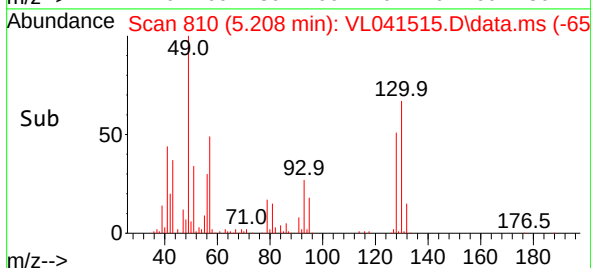
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024

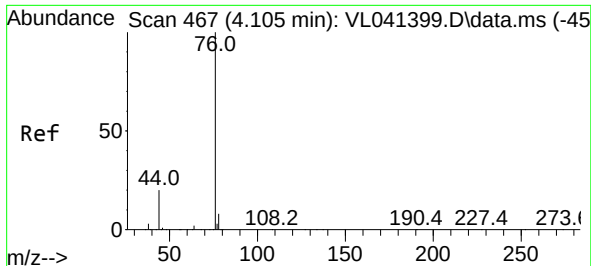


#26
Hexane
Concen: 1.009 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.003 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29



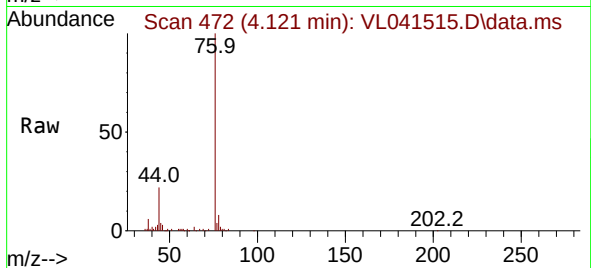
Tgt Ion: 57 Resp: 100360
Ion Ratio Lower Upper
57 100
41 116.0 74.0 111.0#
43 96.7 193.6 290.4#
56 64.2 43.1 64.7





#27
Carbon Disulfide
Concen: 0.542 ppbv
RT: 4.121 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

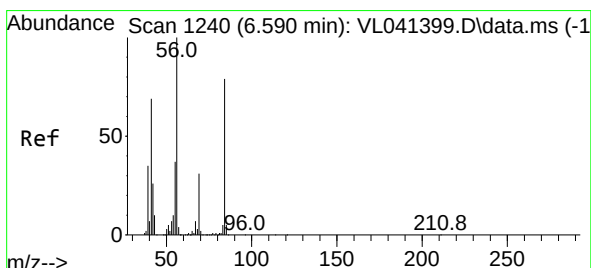
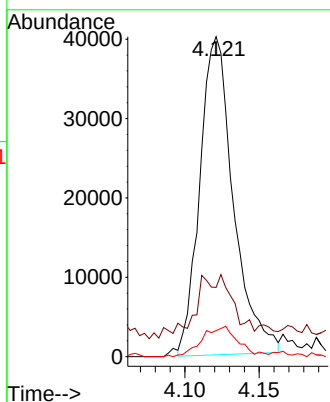
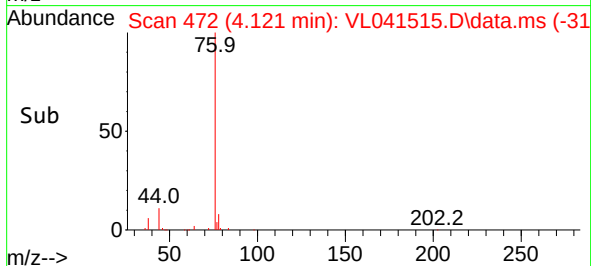
Instrument :
MSVOA_L
ClientSampleId :
SV-5



Tgt Ion: 76 Resp: 6310
Ion Ratio Lower Upper
76 100
44 24.9 15.6 23.4#
78 11.2 7.7 11.5

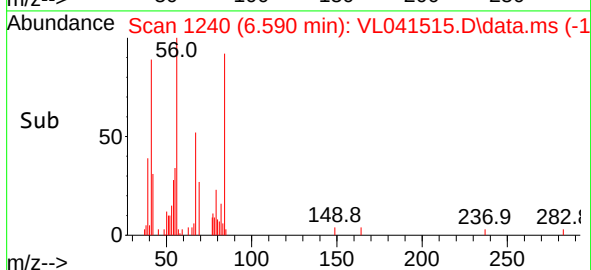
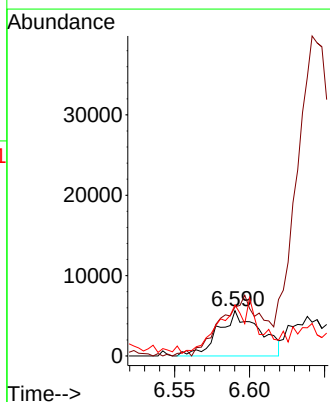
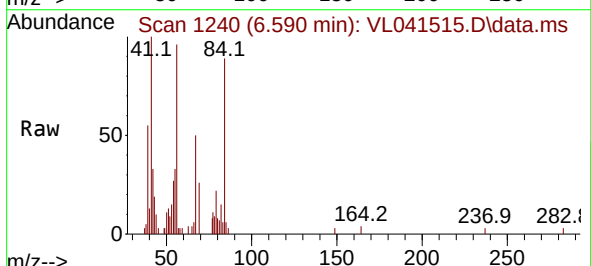
Manual Integrations
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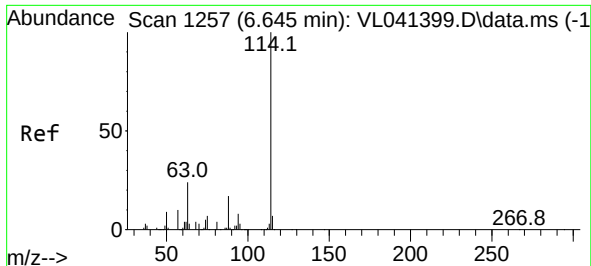
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#30
Cyclohexane
Concen: 0.131 ppbv m
RT: 6.590 min Scan# 1240
Delta R.T. -0.007 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

Tgt Ion: 84 Resp: 10625
Ion Ratio Lower Upper
84 100
56 0.0 111.2 166.8#
41 0.0 70.3 105.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041515.D

Acq: 8 Aug 2024 16:29

Instrument :

MSVOA_L

ClientSampleId :

SV-5

Tgt Ion:114 Resp: 2829410

Ion Ratio Lower Upper

114 100

63 25.3 20.3 30.5

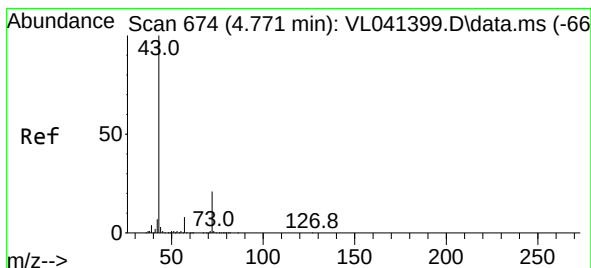
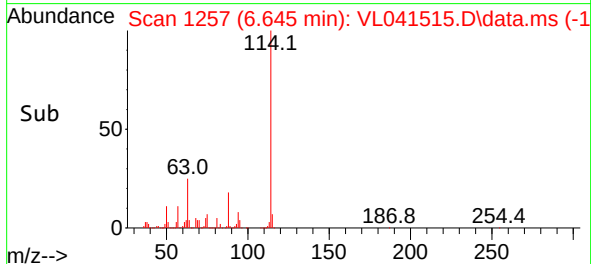
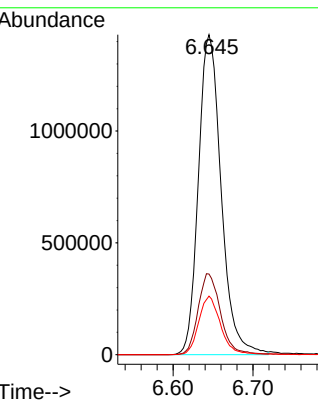
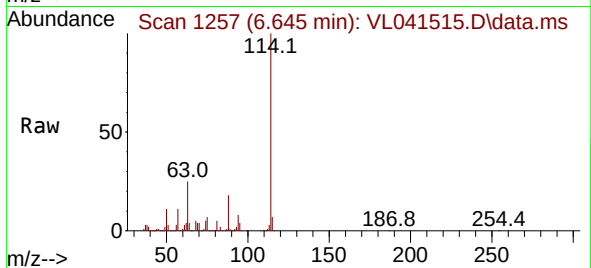
88 17.7 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#34

2-Butanone

Concen: 2.139 ppbv

RT: 4.780 min Scan# 677

Delta R.T. -0.003 min

Lab File: VL041515.D

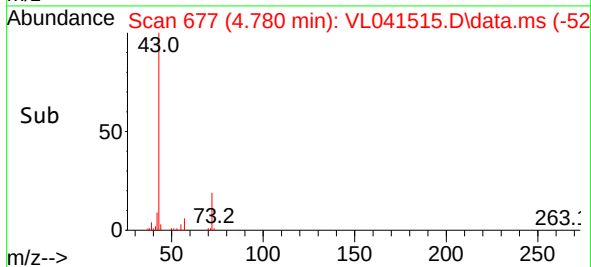
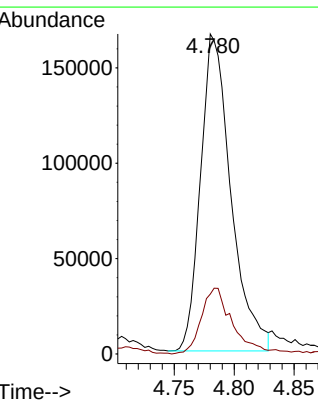
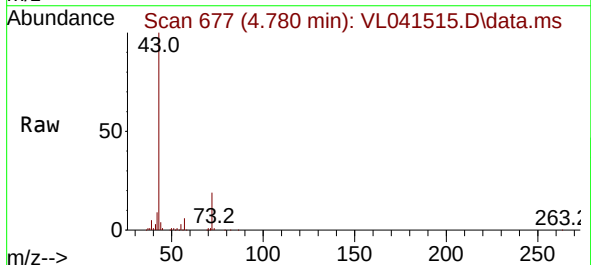
Acq: 8 Aug 2024 16:29

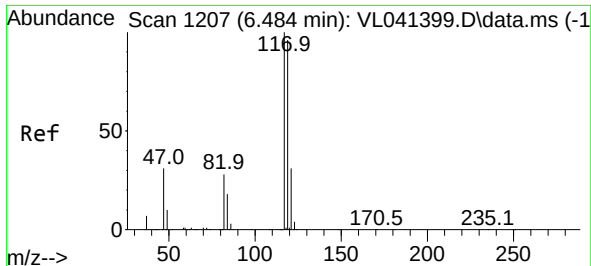
Tgt Ion: 43 Resp: 292812

Ion Ratio Lower Upper

43 100

72 23.0 17.3 25.9





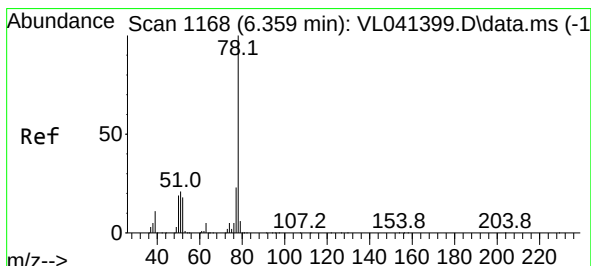
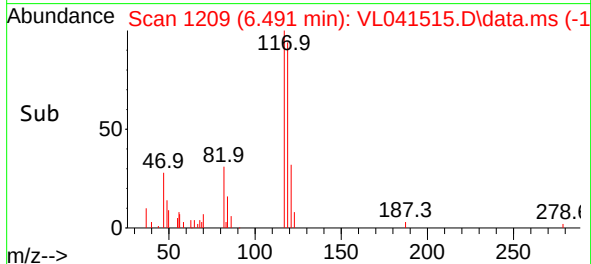
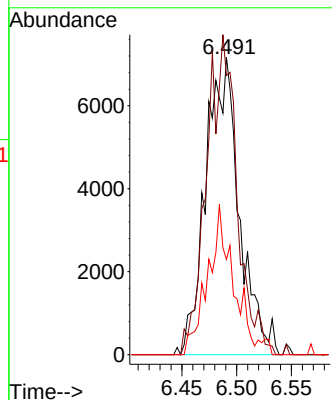
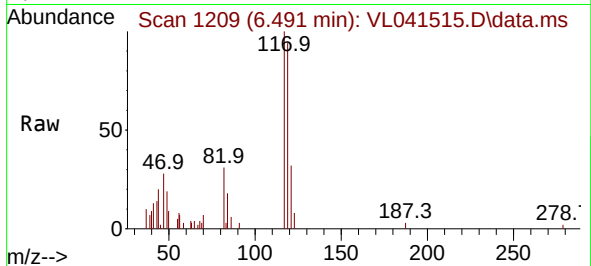
#35
Carbon Tetrachloride
Concen: 0.098 ppbv m
RT: 6.491 min Scan# 117
Delta R.T. -0.000 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

Instrument :
MSVOA_L
ClientSampleId :
SV-5

Tgt Ion: 117 Resp: 15290
Ion Ratio Lower Upper
117 100
119 93.9 76.6 115.0
121 32.0 25.1 37.7

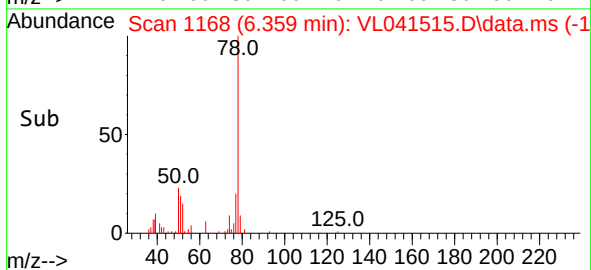
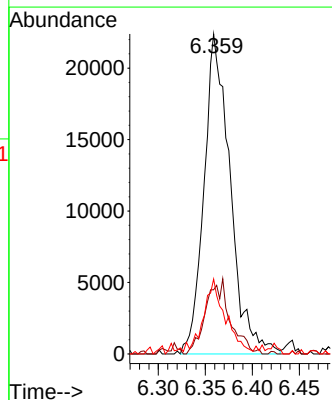
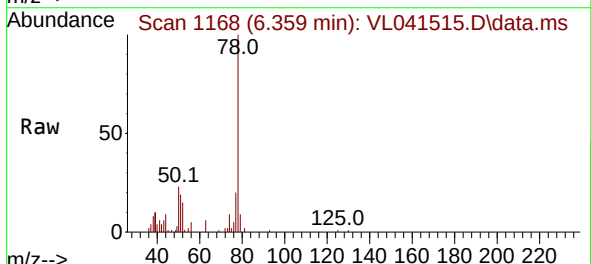
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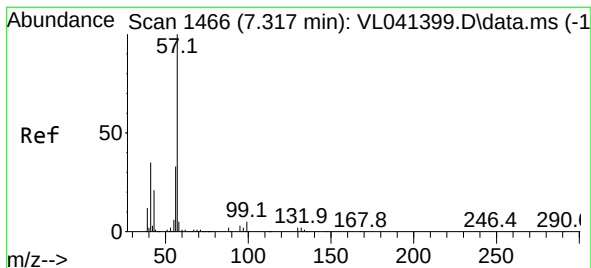
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#36
Benzene
Concen: 0.210 ppbv m
RT: 6.359 min Scan# 1168
Delta R.T. -0.010 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

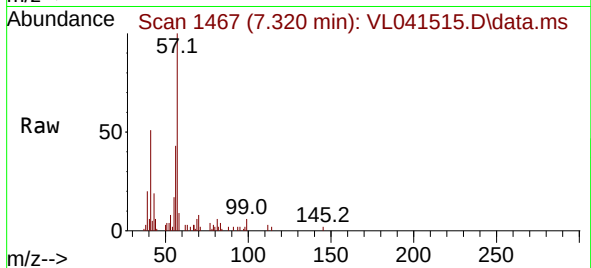
Tgt Ion: 78 Resp: 43329
Ion Ratio Lower Upper
78 100
77 20.1 18.1 27.1
50 23.4 15.5 23.3#





#44
2,2,4-Trimethylpentane
Concen: 0.151 ppbv m
RT: 7.320 min Scan# 1466
Delta R.T. -0.000 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

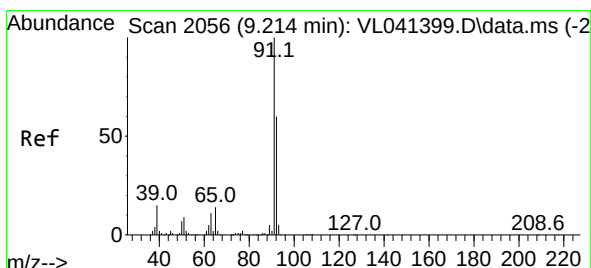
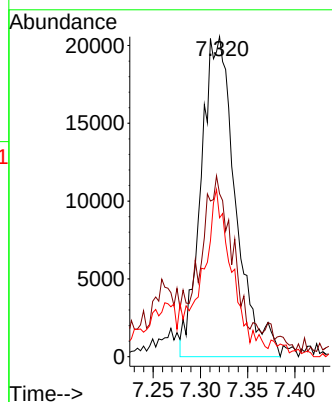
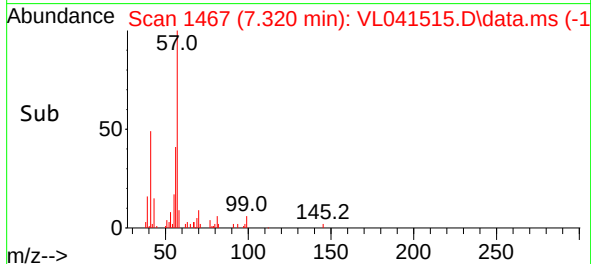
Instrument :
MSVOA_L
ClientSampleId :
SV-5



Tgt Ion: 57 Resp: 5204
Ion Ratio Lower Upper
57 100
41 59.0 27.0 40.6
56 67.2 25.2 37.8

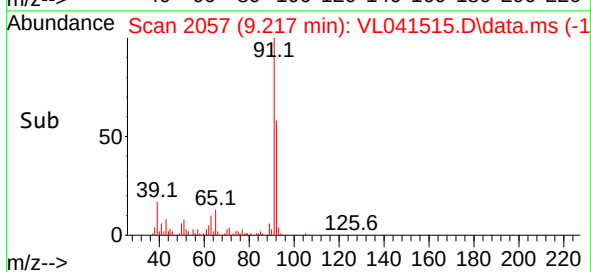
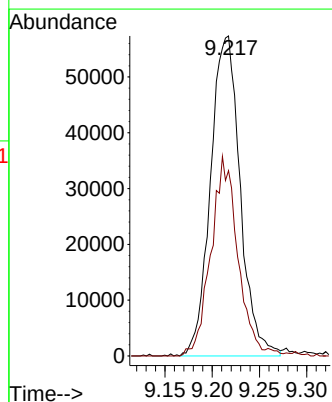
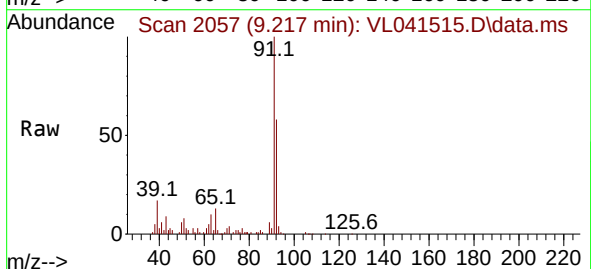
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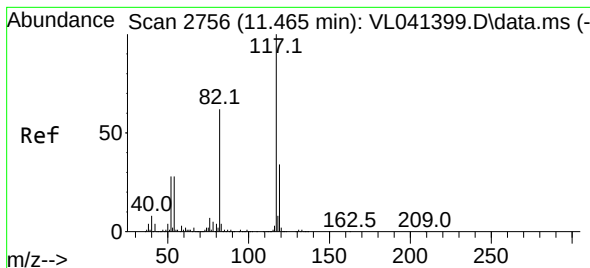
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#53
Toluene
Concen: 0.542 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

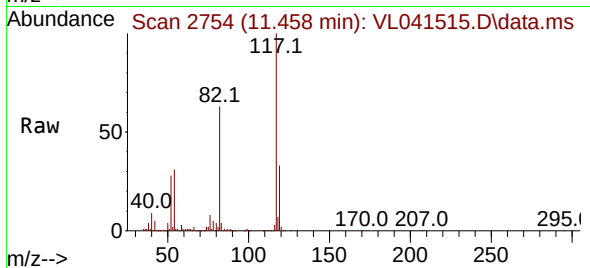
Tgt Ion: 91 Resp: 124910
Ion Ratio Lower Upper
91 100
92 57.3 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 211
Delta R.T. -0.003 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

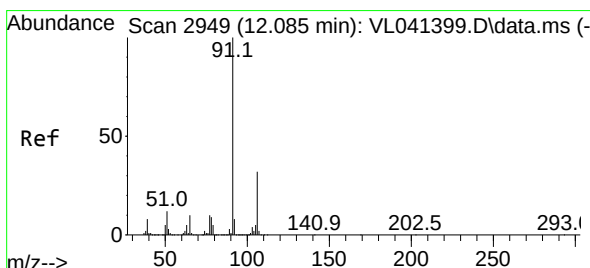
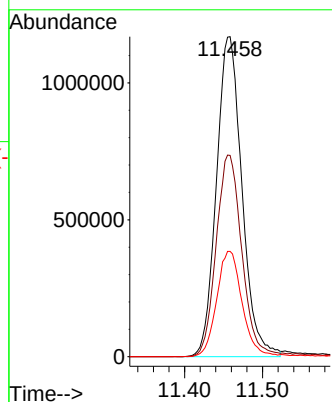
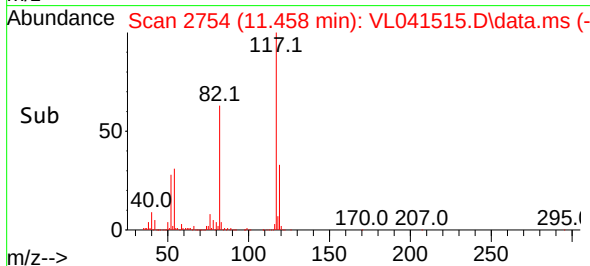
Instrument :
MSVOA_L
ClientSampleId :
SV-5



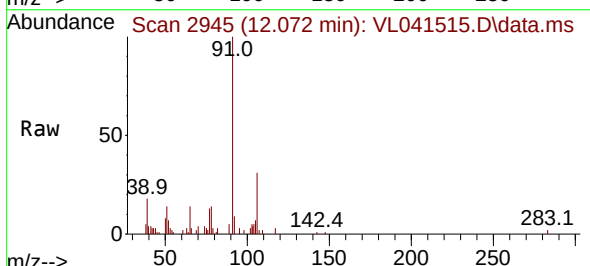
Tgt Ion:117 Resp: 2662794
Ion Ratio Lower Upper
117 100
82 64.8 51.0 76.6
119 33.5 45.2 67.8

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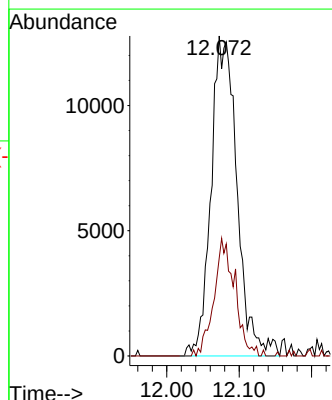
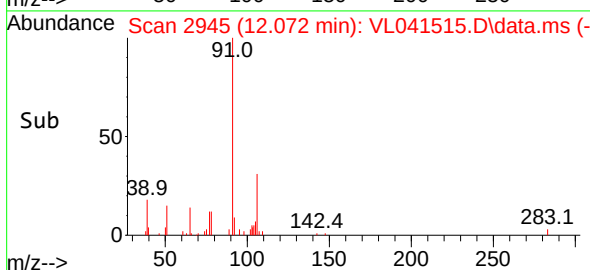
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024

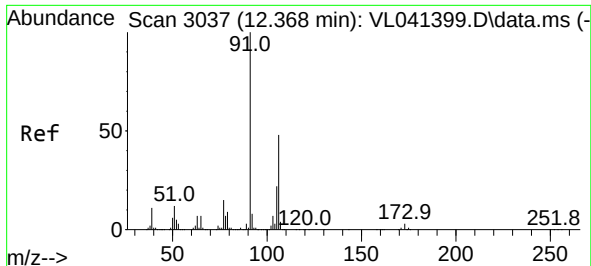


#58
Ethyl Benzene
Concen: 0.104 ppbv m
RT: 12.072 min Scan# 2945
Delta R.T. -0.013 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29



Tgt Ion: 91 Resp: 31864
Ion Ratio Lower Upper
91 100
106 30.6 25.8 38.8





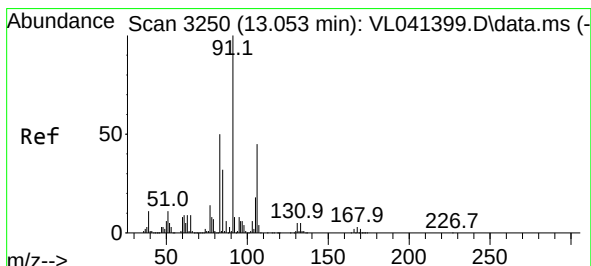
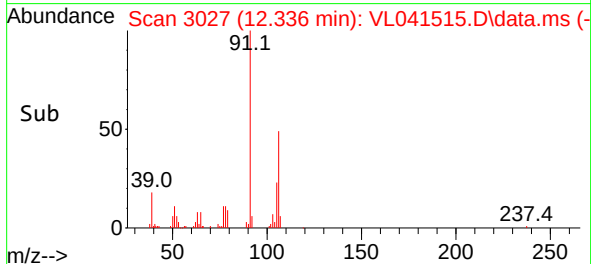
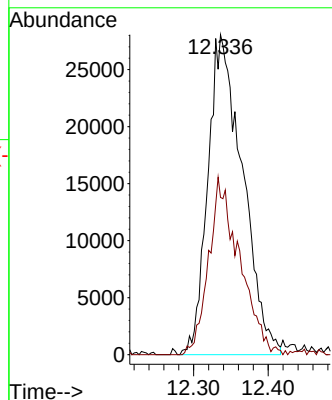
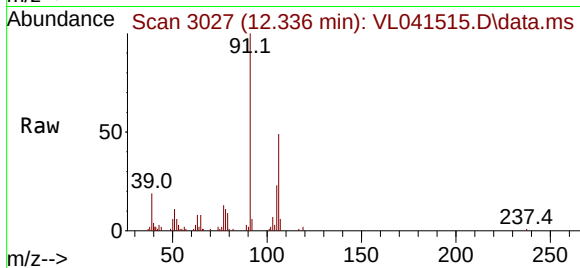
#59
m/p-Xylene
Concen: 0.343 ppbv m
RT: 12.336 min Scan# 3037
Delta R.T. -0.032 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

Instrument :
MSVOA_L
ClientSampleId :
SV-5

Tgt Ion: 91 Resp: 9076
Ion Ratio Lower Upper
91 100
106 50.0 36.3 54.5

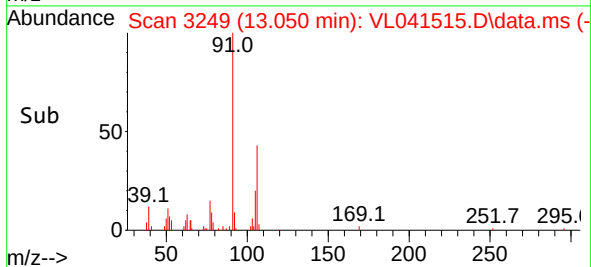
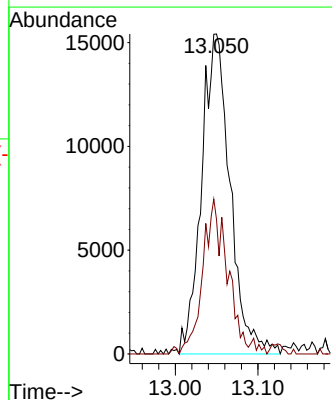
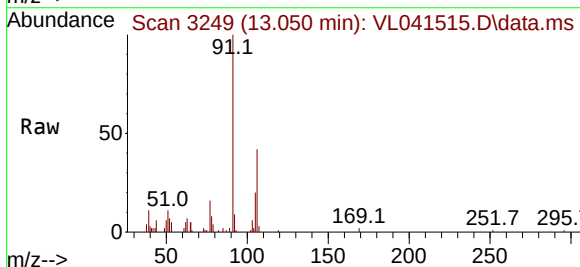
Manual Integrations
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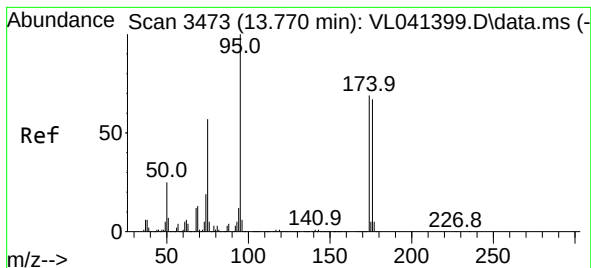
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#60
o-Xylene
Concen: 0.148 ppbv m
RT: 13.050 min Scan# 3249
Delta R.T. -0.003 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

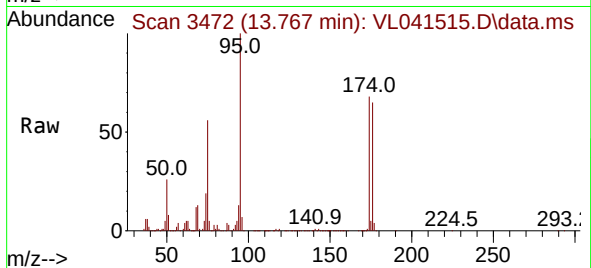
Tgt Ion: 91 Resp: 37100
Ion Ratio Lower Upper
91 100
106 42.4 23.1 69.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.116 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. -0.000 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29

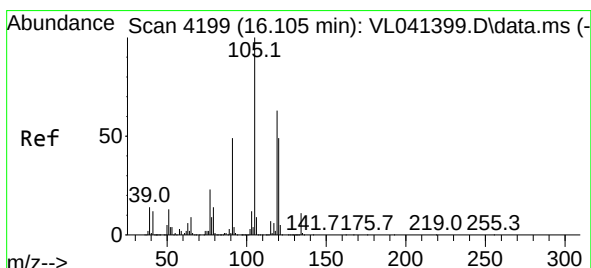
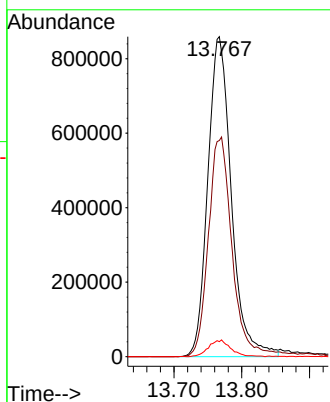
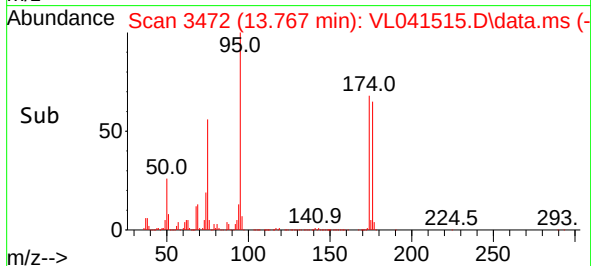
Instrument :
MSVOA_L
ClientSampleId :
SV-5



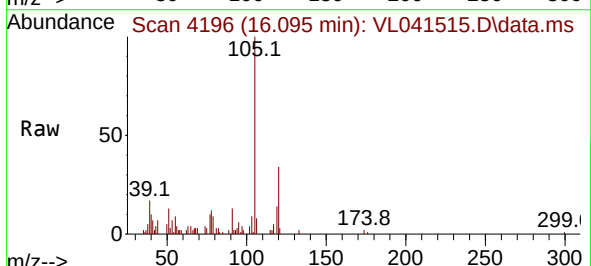
Tgt Ion: 95 Resp: 207288
Ion Ratio Lower Upper
95 100
174 70.8 56.3 84.5
175 5.1 4.0 6.0

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: 0.101 ppbv m
RT: 16.095 min Scan# 4196
Delta R.T. -0.006 min
Lab File: VL041515.D
Acq: 8 Aug 2024 16:29



Tgt Ion:105 Resp: 29727
Ion Ratio Lower Upper
105 100
120 33.9 39.5 59.3#
91 12.6 39.8 59.8#
77 12.2 18.2 27.4#

