

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
 Data File : VL041332.D
 Acq On : 5 Jun 2024 18:13
 Operator : SY/MD
 Sample : P2716-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/06/2024
 Supervised By : Mahesh Dadoda 06/06/2024

Quant Time: Jun 06 04:41:50 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Wed Jun 05 04:42:10 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.217	49	870562	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.674	114	2214745	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.478	117	1999811	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1518957	9.838	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.767	85	53714	0.386	ppbv	99
3) Chlorodifluoromethane	2.716	51	61361m	0.446	ppbv	
4) Chloromethane	2.851	50	33968	0.656	ppbv	93
9) Propene	2.735	41	68508m	1.398	ppbv	
10) Heptane	7.600	43	21970m	0.189	ppbv	
11) Trichlorofluoromethane	3.597	101	29480	0.231	ppbv	88
13) Ethanol	3.275	45	251214	19.705	ppbv	94
15) Acetone	3.501	43	1912785	19.244	ppbv	100
19) Isopropyl Alcohol	3.613	45	114418	1.832	ppbv #	1
20) Methylene Chloride	3.963	84	2968716	82.174	ppbv	95
26) Hexane	5.237	57	3012265	34.065	ppbv #	41
30) Cyclohexane	6.619	84	13259m	0.185	ppbv	
34) 2-Butanone	4.812	43	72850m	0.687	ppbv	
35) Carbon Tetrachloride	6.516	117	8717m	0.069	ppbv	
36) Benzene	6.388	78	83747	0.488	ppbv #	93
44) 2,2,4-Trimethylpentane	7.346	57	133693	0.453	ppbv #	80
52) Tetrachloroethene	10.629	164	5519m	0.088	ppbv	
53) Toluene	9.233	91	241103	1.221	ppbv	99
58) Ethyl Benzene	12.105	91	41793m	0.163	ppbv	
59) m/p-Xylene	12.355	91	127069m	0.579	ppbv	
60) o-Xylene	13.066	91	45012	0.215	ppbv	94
74) 1,2,4-Trimethylbenzene	16.124	105	58598m	0.245	ppbv	

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

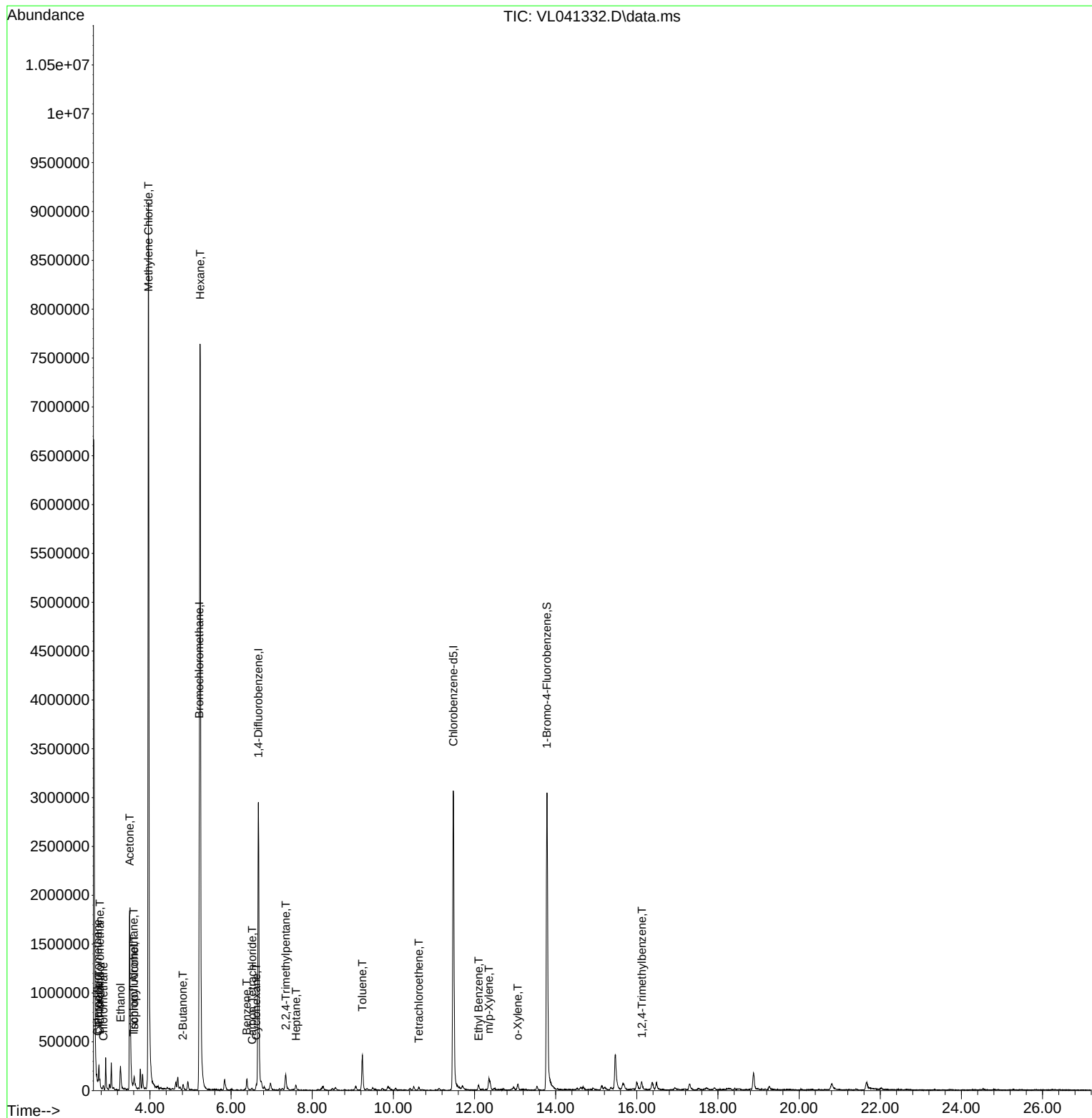
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
Data File : VL041332.D
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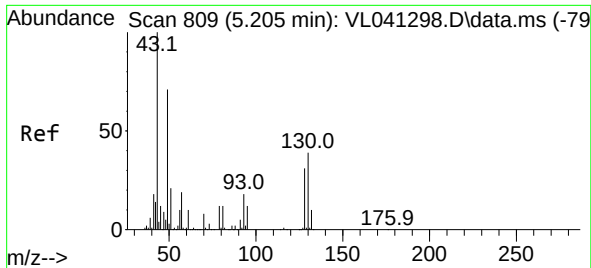
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Jun 06 04:41:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jun 05 04:42:10 2024
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Manual Integrations
APPROVED

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Supervised By : Mahesh Dadoda 06/06/2024





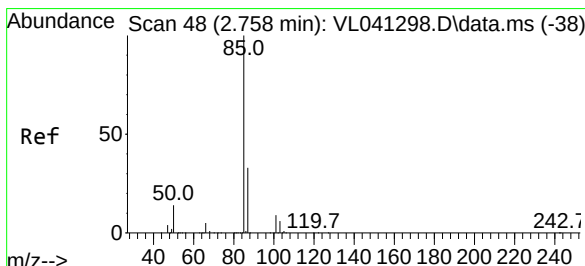
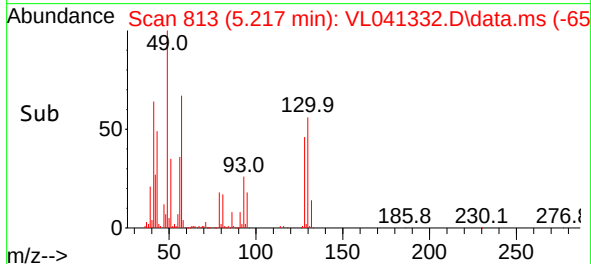
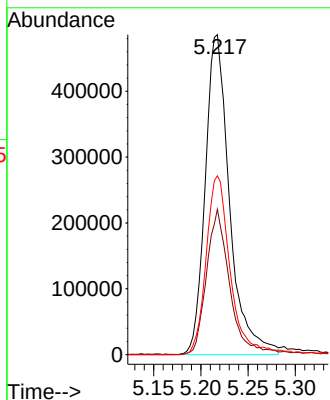
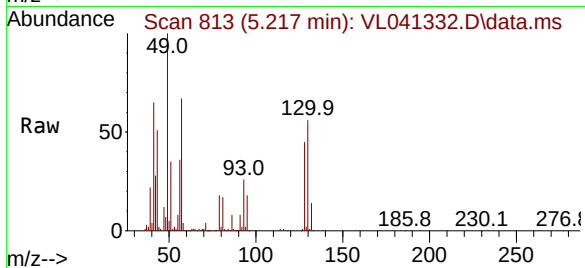
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.217 min Scan# 81
Delta R.T. 0.012 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 87056
Ion Ratio Lower Upper
49 100
128 44.4 22.8 68.3
130 56.9 28.4 85.3

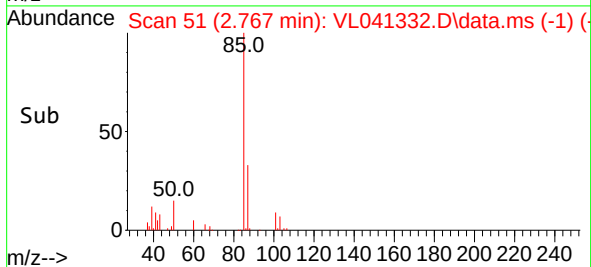
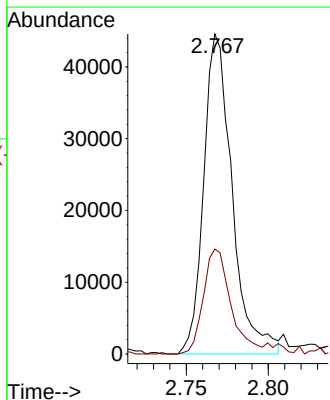
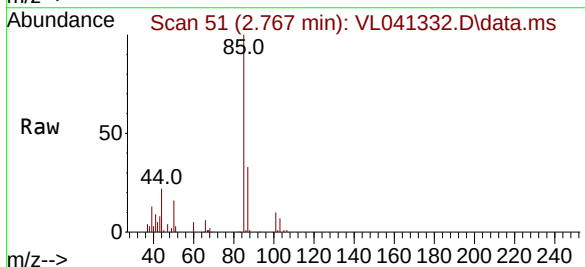
Manual Integrations
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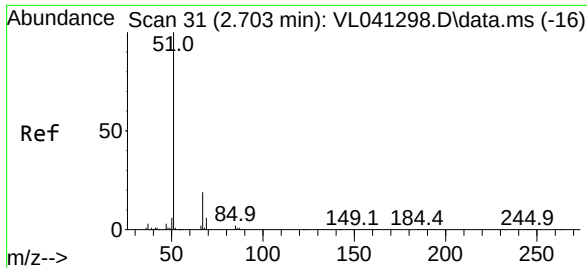
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#2
Dichlorodifluoromethane
Concen: 0.386 ppbv
RT: 2.767 min Scan# 51
Delta R.T. 0.010 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

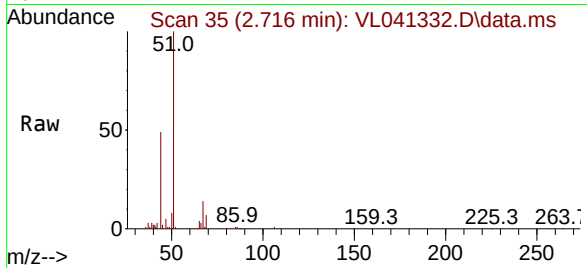
Tgt Ion: 85 Resp: 53714
Ion Ratio Lower Upper
85 100
87 32.8 26.5 39.7





#3
Chlorodifluoromethane
Concen: 0.446 ppbv m
RT: 2.716 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

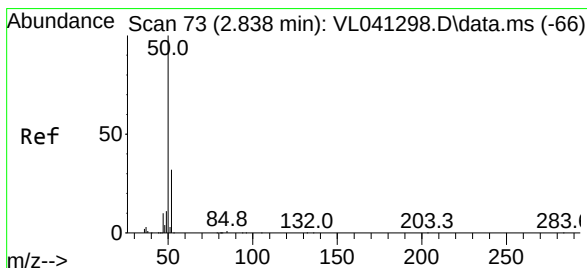
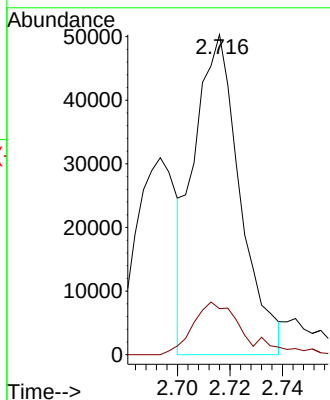
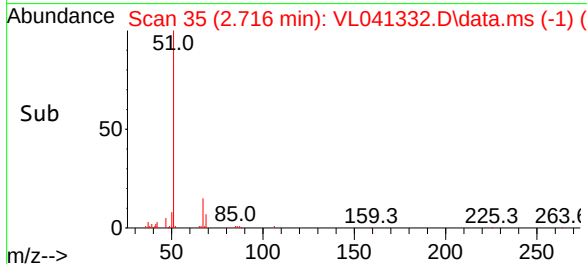
Instrument :
MSVOA_L
ClientSampleId :
OA1



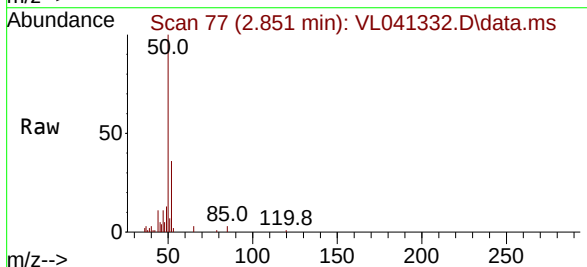
Tgt Ion: 51 Resp: 6136
Ion Ratio Lower Upper
51 100
67 19.1 14.7 22.1

Manual Integrations
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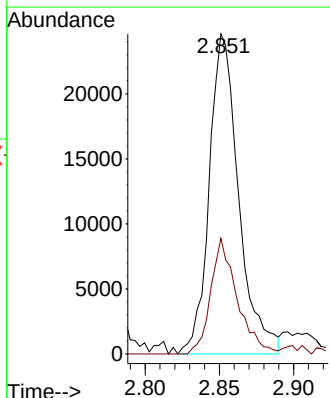
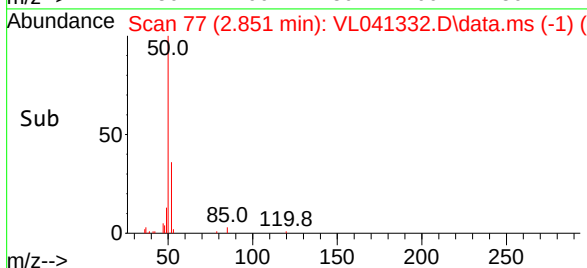
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



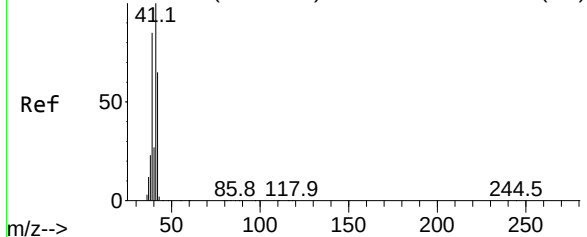
#4
Chloromethane
Concen: 0.656 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.013 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13



Tgt Ion: 50 Resp: 33968
Ion Ratio Lower Upper
50 100
52 36.1 25.6 38.4



Abundance Scan 37 (2.722 min): VL041298.D\data.ms (-27)



#9

Propene

Concen: 1.398 ppbv m

RT: 2.735 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL041332.D

Acq: 5 Jun 2024 18:13

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 41 Resp: 68508

Ion Ratio Lower Upper

41 100

42 61.0 55.2 82.8

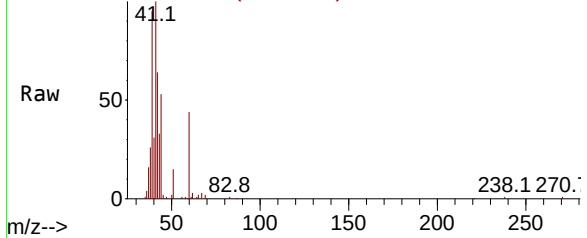
Manual Integrations

APPROVED

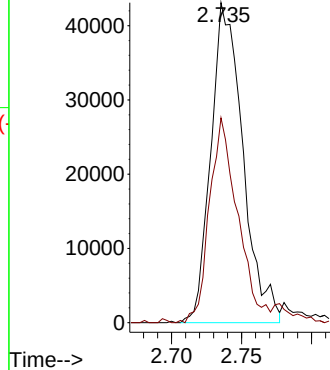
Reviewed By :Semsettin Yesilyurt 06/06/2024

Supervised By :Mahesh Dadoda 06/06/2024

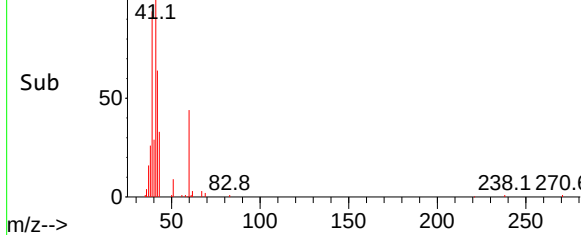
Abundance Scan 41 (2.735 min): VL041332.D\data.ms



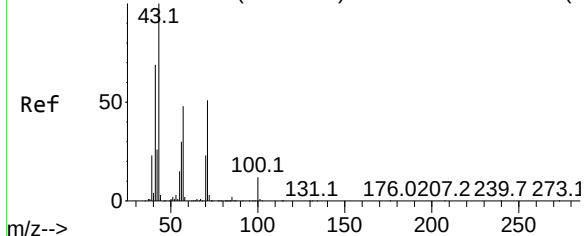
Abundance



Abundance Scan 41 (2.735 min): VL041332.D\data.ms (-1)



Abundance Scan 1548 (7.581 min): VL041298.D\data.ms (-1)



#10

Heptane

Concen: 0.189 ppbv m

RT: 7.600 min Scan# 1554

Delta R.T. 0.019 min

Lab File: VL041332.D

Acq: 5 Jun 2024 18:13

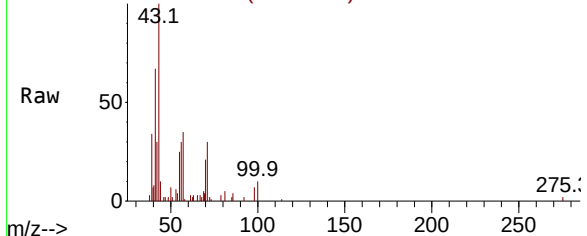
Tgt Ion: 43 Resp: 21970

Ion Ratio Lower Upper

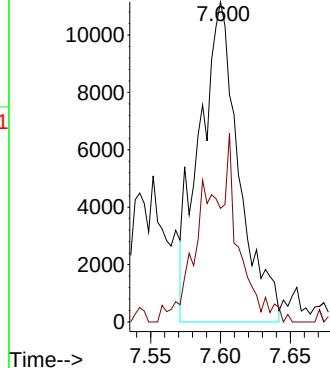
43 100

57 51.0 39.0 58.4

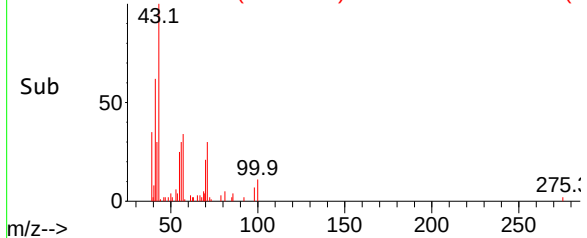
Abundance Scan 1554 (7.600 min): VL041332.D\data.ms

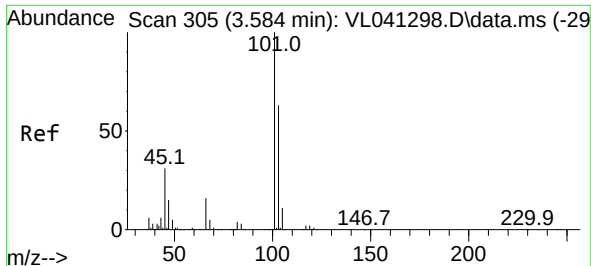


Abundance



Abundance Scan 1554 (7.600 min): VL041332.D\data.ms (-1)





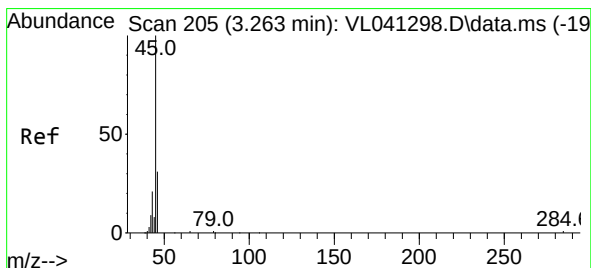
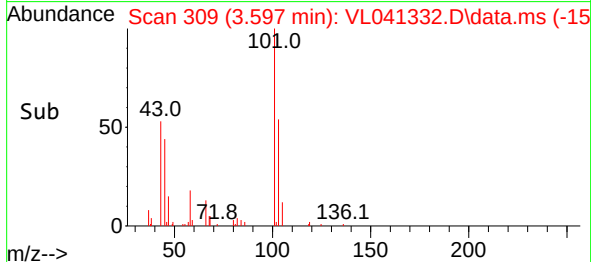
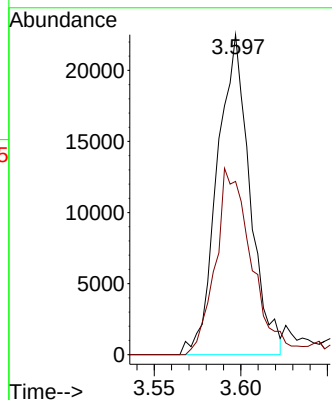
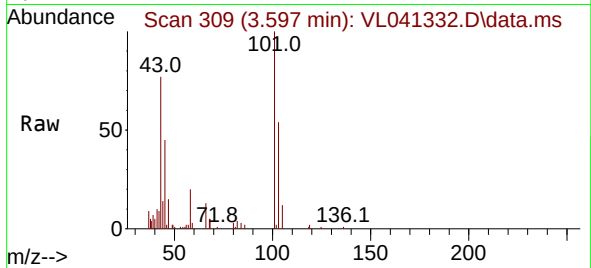
#11
Trichlorofluoromethane
Concen: 0.231 ppbv
RT: 3.597 min Scan# 305
Delta R.T. 0.013 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:101 Resp: 29480
Ion Ratio Lower Upper
101 100
103 54.1 50.6 76.0

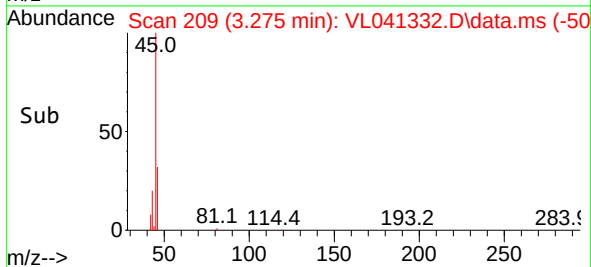
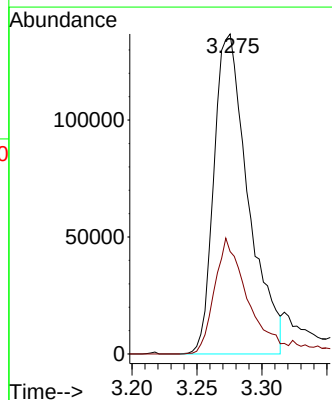
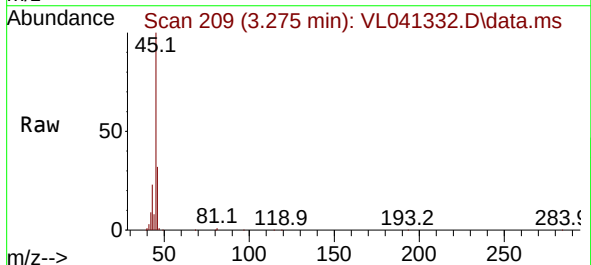
Manual Integrations
APPROVED

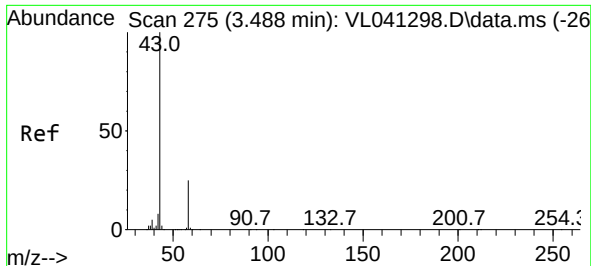
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#13
Ethanol
Concen: 19.705 ppbv
RT: 3.275 min Scan# 209
Delta R.T. 0.013 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

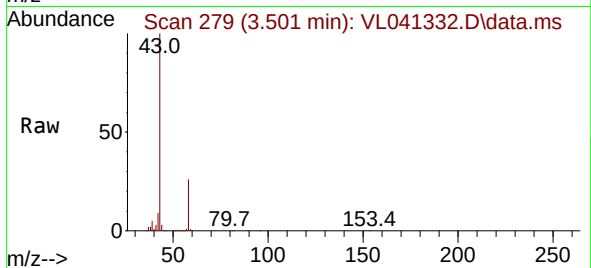
Tgt Ion: 45 Resp: 251214
Ion Ratio Lower Upper
45 100
46 38.7 14.2 56.6





#15
Acetone
Concen: 19.244 ppbv
RT: 3.501 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

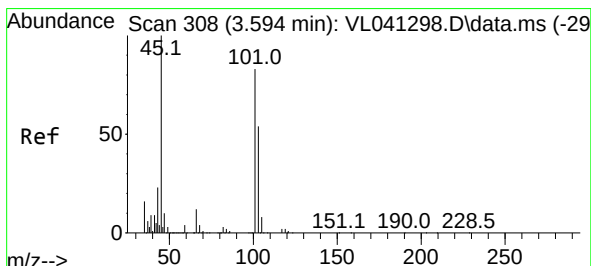
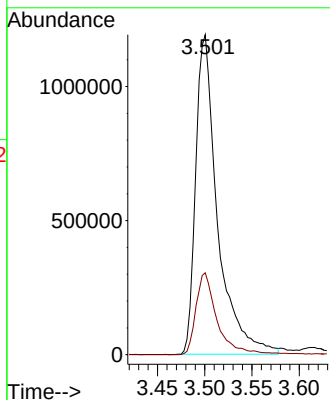
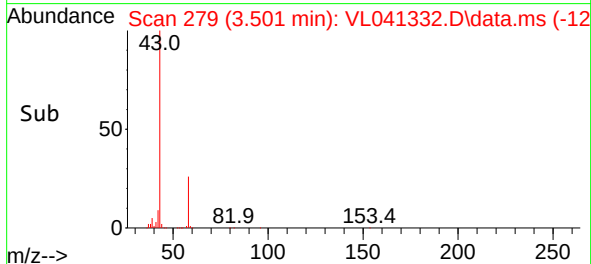
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 191278
Ion Ratio Lower Upper
43 100
58 25.8 20.6 31.0

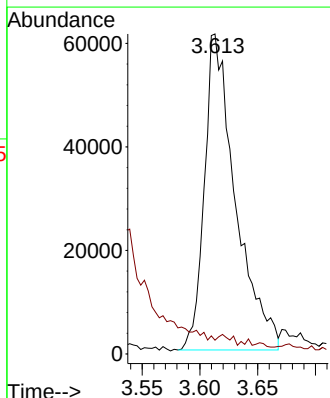
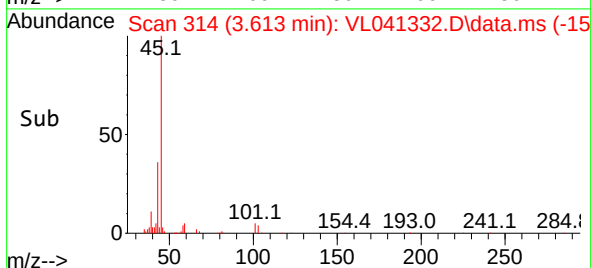
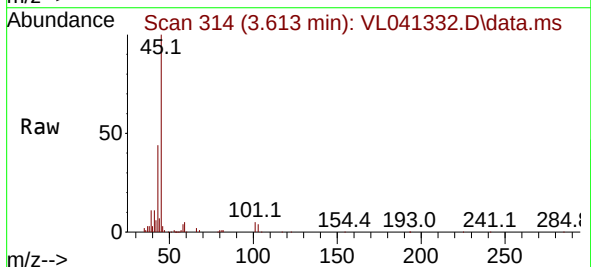
Manual Integrations
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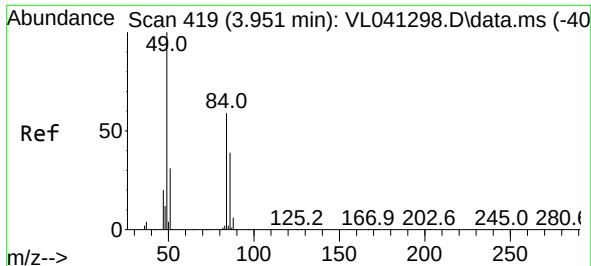
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#19
Isopropyl Alcohol
Concen: 1.832 ppbv
RT: 3.613 min Scan# 314
Delta R.T. 0.019 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

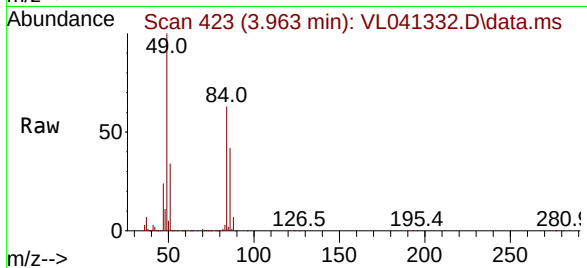
Tgt Ion: 45 Resp: 114418
Ion Ratio Lower Upper
45 100
58 431.7 1.4 2.2#





#20
Methylene Chloride
Concen: 82.174 ppbv
RT: 3.963 min Scan# 419
Delta R.T. 0.013 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

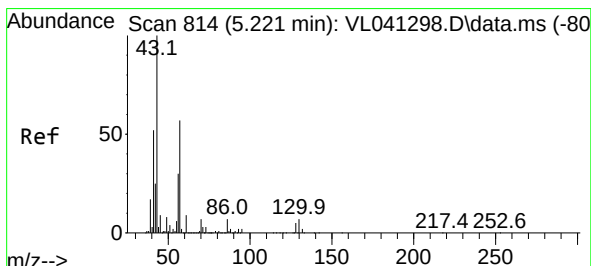
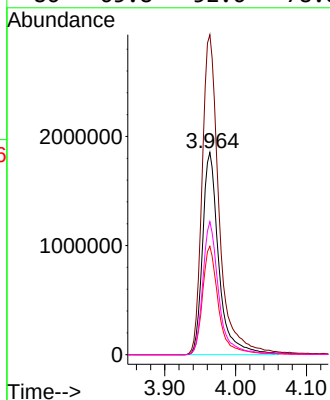
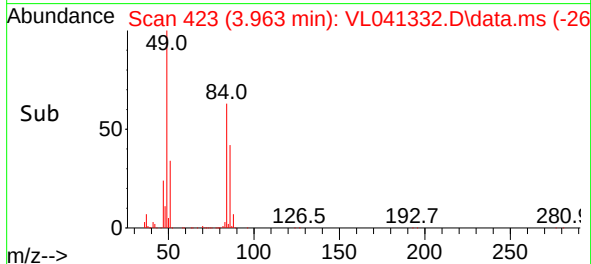
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 84 Resp: 2968710
Ion Ratio Lower Upper
84 100
49 158.2 136.2 204.2
51 53.6 41.9 62.9
86 65.8 52.6 78.8

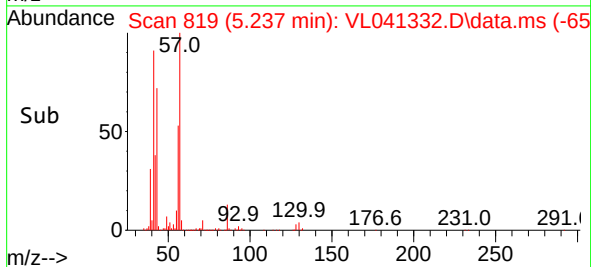
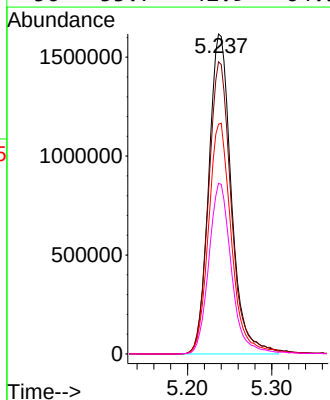
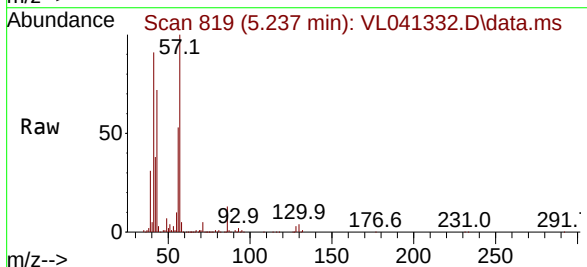
Manual Integrations
APPROVED

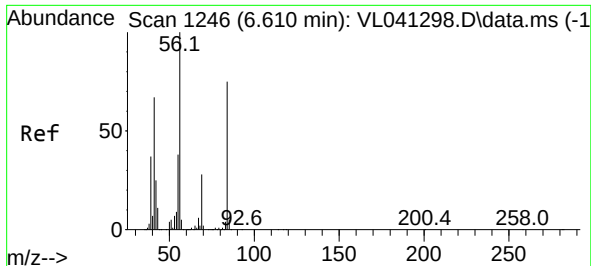
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#26
Hexane
Concen: 34.065 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.016 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

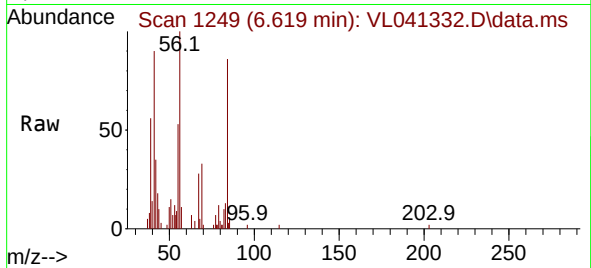
Tgt Ion: 57 Resp: 3012265
Ion Ratio Lower Upper
57 100
41 93.1 77.1 115.7
43 73.6 186.1 279.1#
56 53.7 42.9 64.3





#30
Cyclohexane
Concen: 0.185 ppbv m
RT: 6.619 min Scan# 1246
Delta R.T. 0.010 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

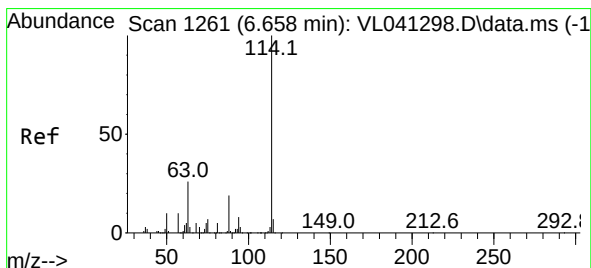
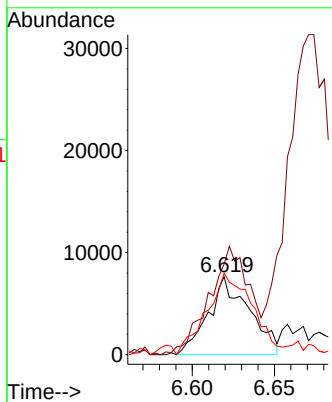
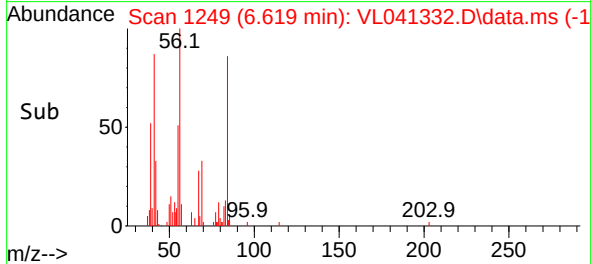
Instrument :
MSVOA_L
ClientSampleId :
OA1



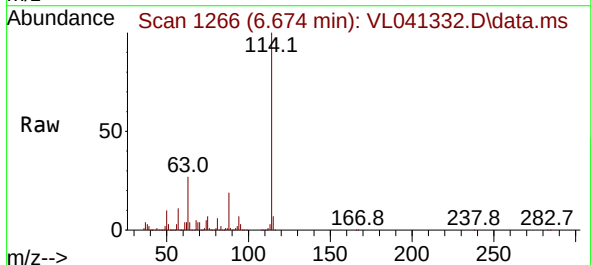
Tgt Ion: 84 Resp: 13258
Ion Ratio Lower Upper
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56 0.0 114.9 172.3
41 0.0 74.4 111.6

Manual Integrations
APPROVED

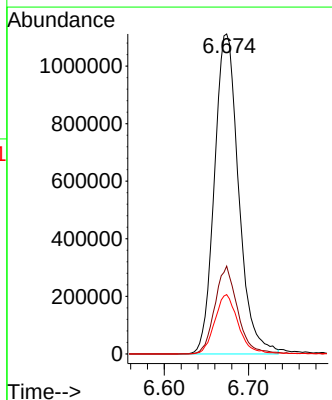
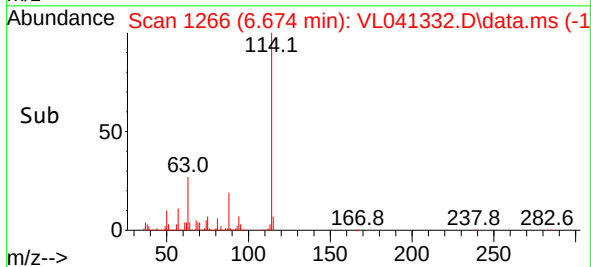
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024

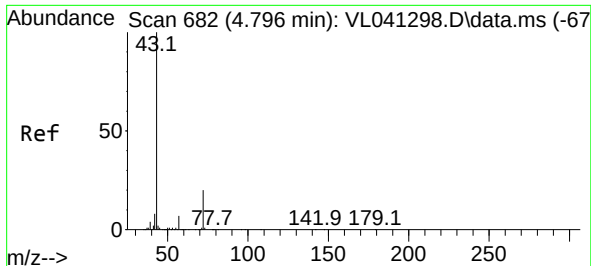


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. 0.016 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13



Tgt Ion:114 Resp: 2214745
Ion Ratio Lower Upper
114 100
63 25.9 20.6 30.8
88 18.2 14.5 21.7





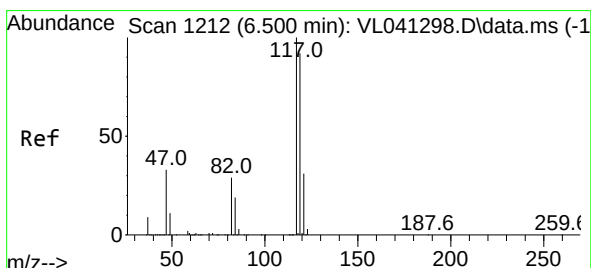
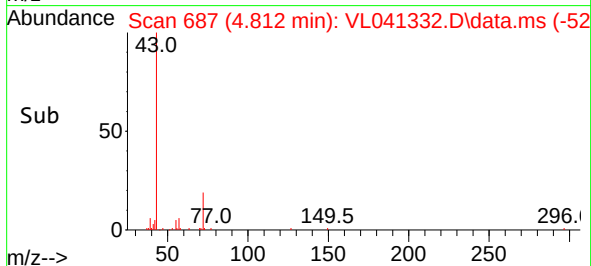
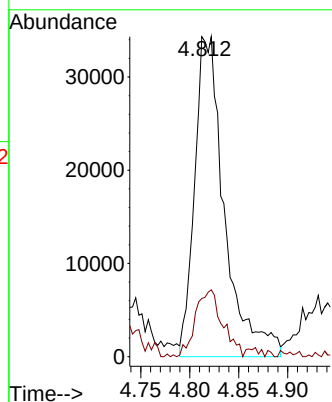
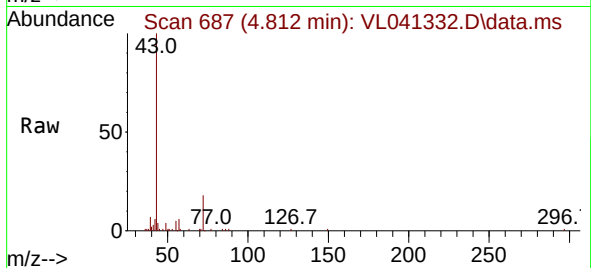
#34
2-Butanone
Concen: 0.687 ppbv m
RT: 4.812 min Scan# 681
Delta R.T. 0.016 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 72850
Ion Ratio Lower Upper
43 100
72 20.3 17.4 26.0

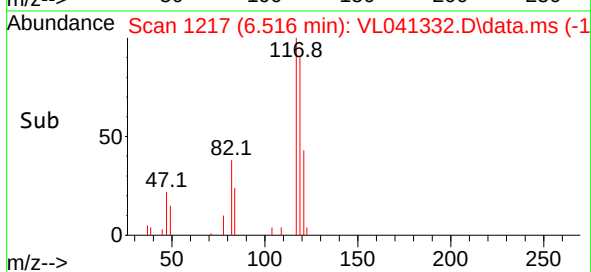
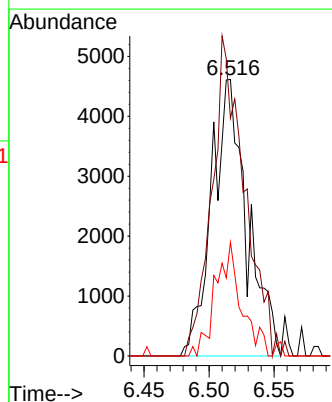
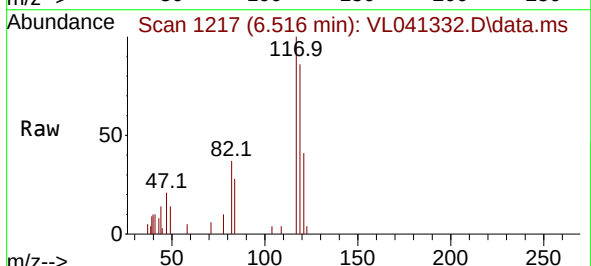
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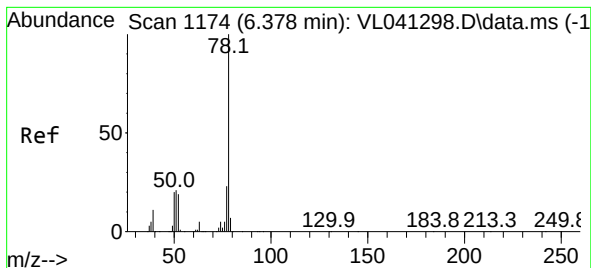
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 6.516 min Scan# 1217
Delta R.T. 0.016 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

Tgt Ion:117 Resp: 8717
Ion Ratio Lower Upper
117 100
119 86.0 74.0 111.0
121 41.1 24.8 37.2#





#36

Benzene

Concen: 0.488 ppbv

RT: 6.388 min Scan# 1174

Delta R.T. 0.010 min

Lab File: VL041332.D

Acq: 5 Jun 2024 18:13

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 78 Resp: 8374

Ion Ratio Lower Upper

78 100

77 28.4 18.6 28.0

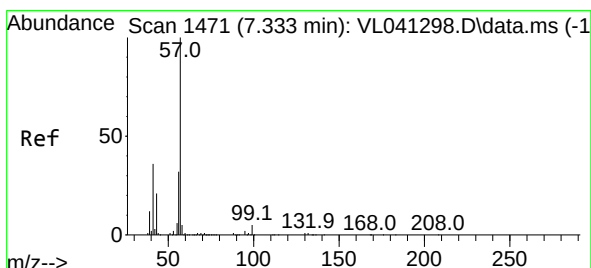
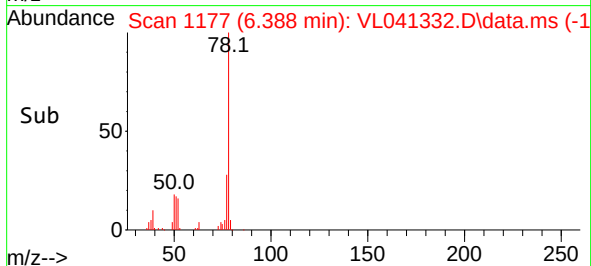
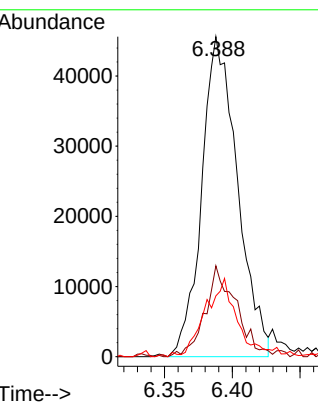
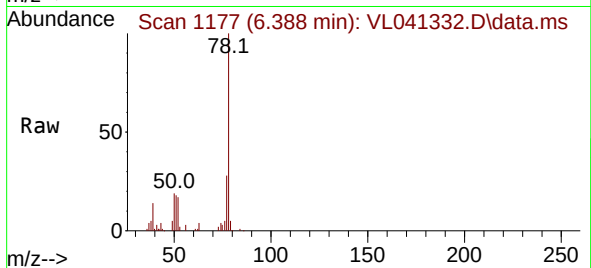
50 19.0 16.0 24.0

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Reviewed By :Semsettin Yesilyurt 06/06/2024

Supervised By :Mahesh Dadoda 06/06/2024



#44

2,2,4-Trimethylpentane

Concen: 0.453 ppbv

RT: 7.346 min Scan# 1475

Delta R.T. 0.013 min

Lab File: VL041332.D

Acq: 5 Jun 2024 18:13

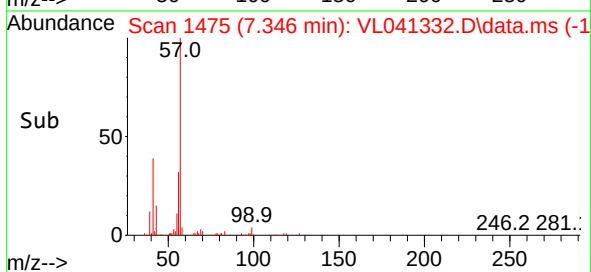
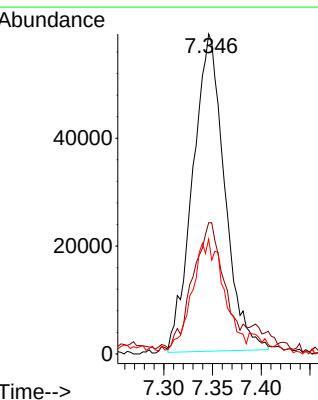
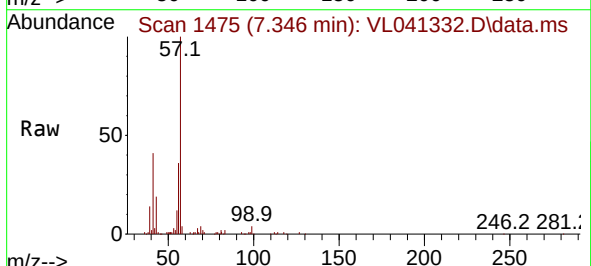
Tgt Ion: 57 Resp: 133693

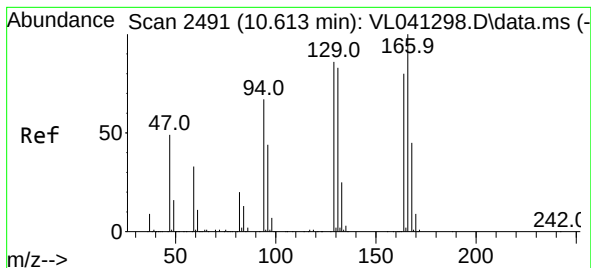
Ion Ratio Lower Upper

57 100

41 48.9 29.4 44.2#

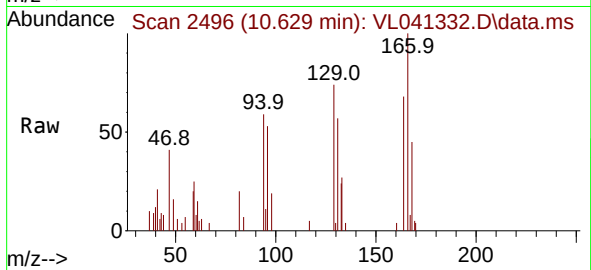
56 41.9 25.0 37.4#





#52
Tetrachloroethene
Concen: 0.088 ppbv m
RT: 10.629 min Scan# 2491
Delta R.T. 0.016 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

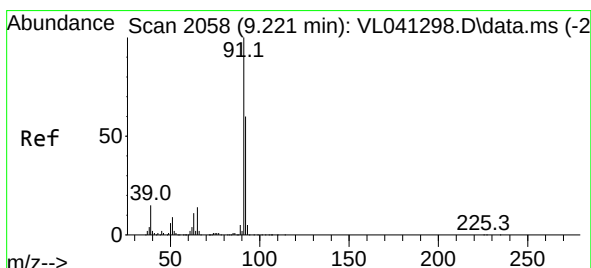
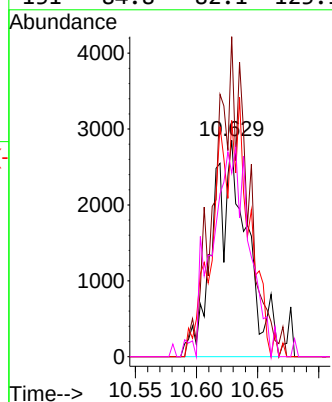
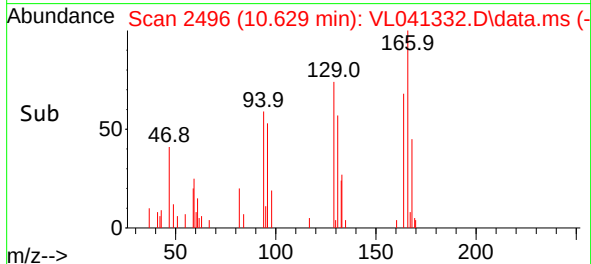
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:164 Resp: 5519
Ion Ratio Lower Upper
164 100
166 147.9 99.4 149.0
129 109.2 85.4 128.2
131 84.8 82.1 123.1

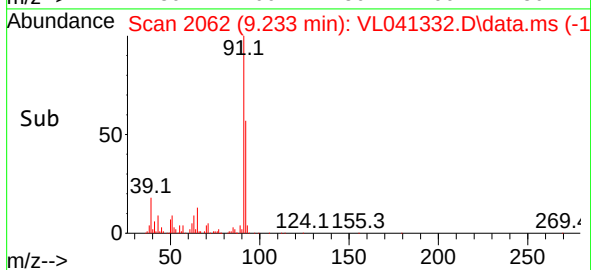
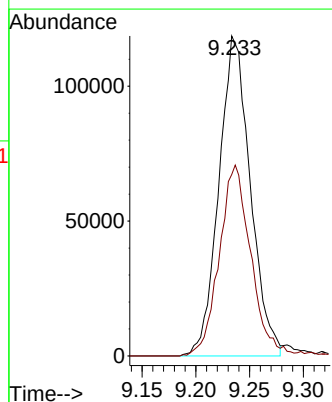
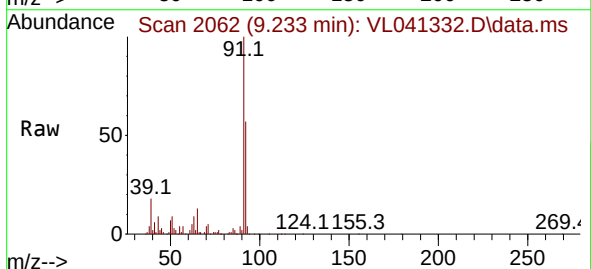
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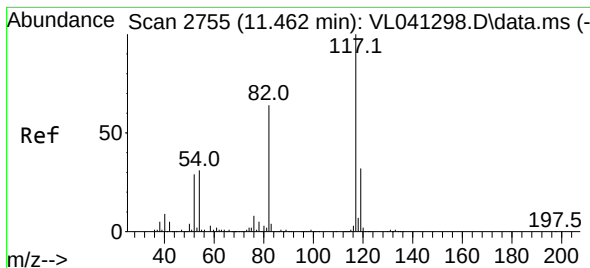
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#53
Toluene
Concen: 1.221 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. 0.013 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

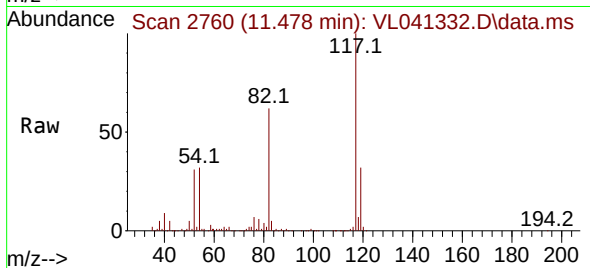
Tgt Ion: 91 Resp: 241103
Ion Ratio Lower Upper
91 100
92 60.8 49.2 73.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

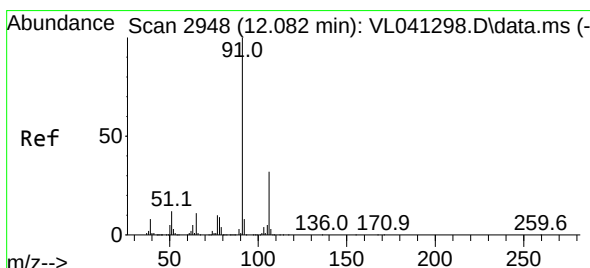
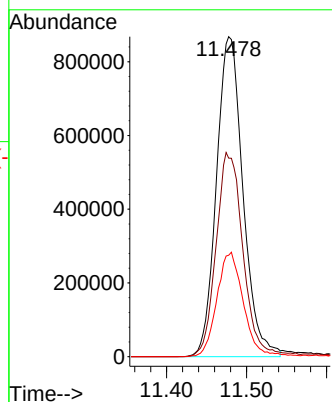
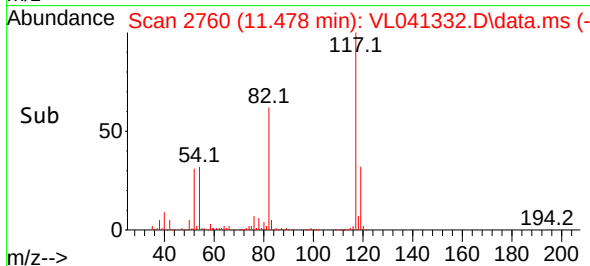
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:117 Resp: 199981
Ion Ratio Lower Upper
117 100
82 66.5 52.3 78.5
119 32.7 26.2 39.2

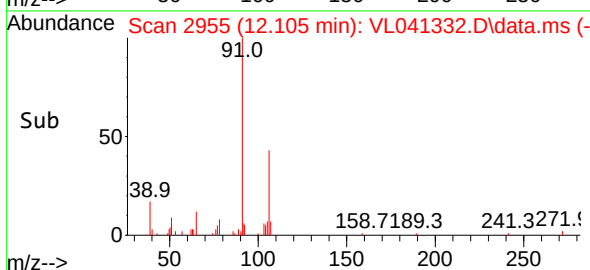
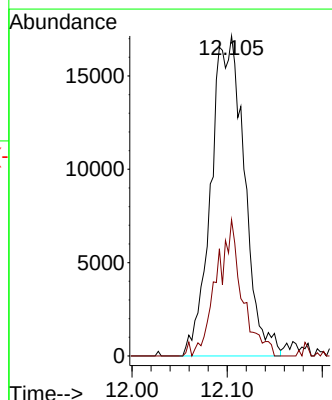
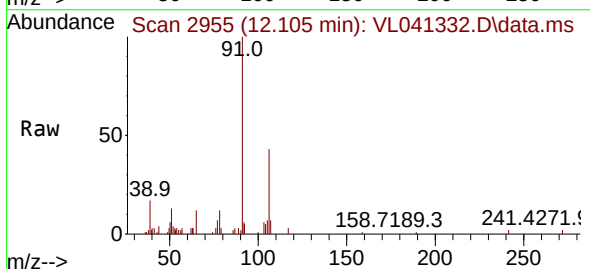
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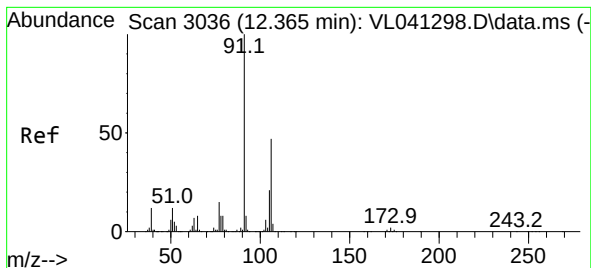
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#58
Ethyl Benzene
Concen: 0.163 ppbv m
RT: 12.105 min Scan# 2955
Delta R.T. 0.022 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

Tgt Ion: 91 Resp: 41793
Ion Ratio Lower Upper
91 100
106 42.5 25.5 38.3#





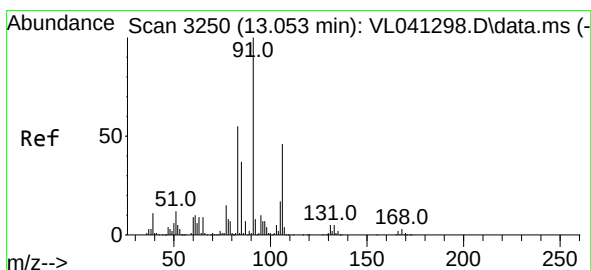
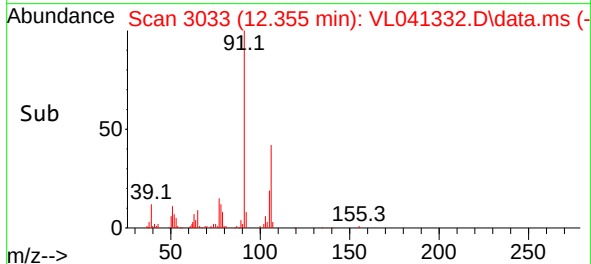
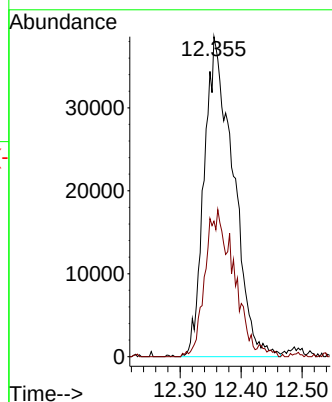
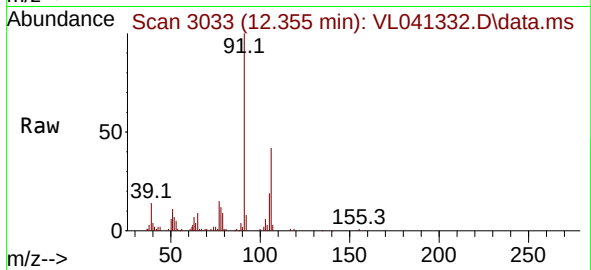
#59
m/p-Xylene
Concen: 0.579 ppbv m
RT: 12.355 min Scan# 3033
Delta R.T. -0.010 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 127069
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5

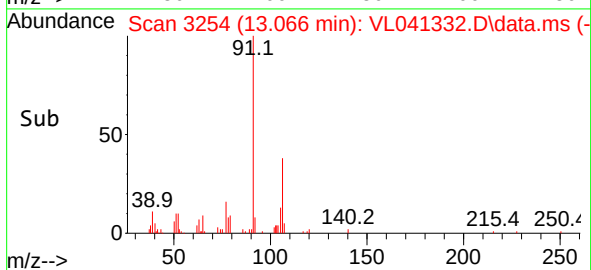
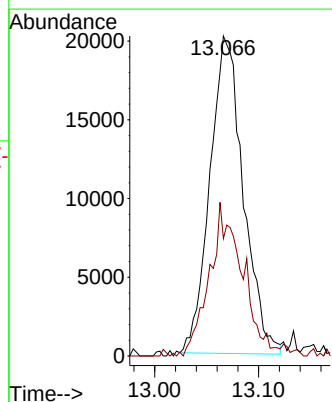
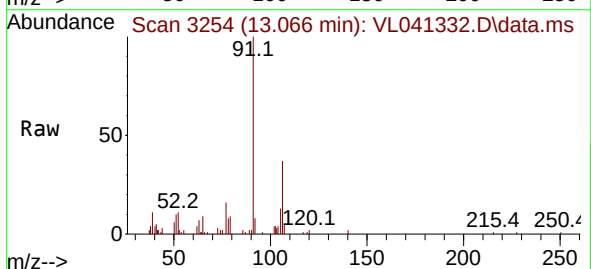
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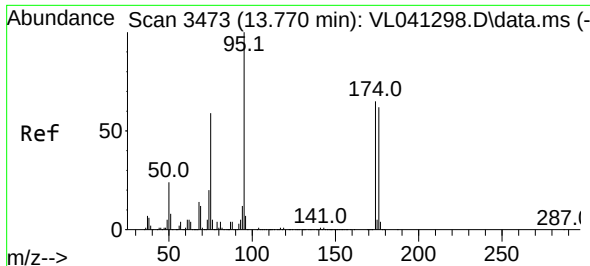
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#60
o-Xylene
Concen: 0.215 ppbv
RT: 13.066 min Scan# 3254
Delta R.T. 0.013 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

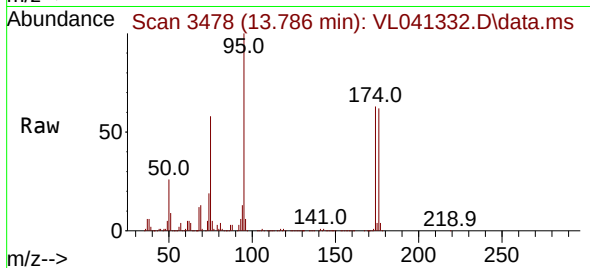
Tgt Ion: 91 Resp: 45012
Ion Ratio Lower Upper
91 100
106 49.6 22.8 68.4





#68
1-Bromo-4-Fluorobenzene
Concen: 9.838 ppbv
RT: 13.786 min Scan# 3473
Delta R.T. 0.016 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13

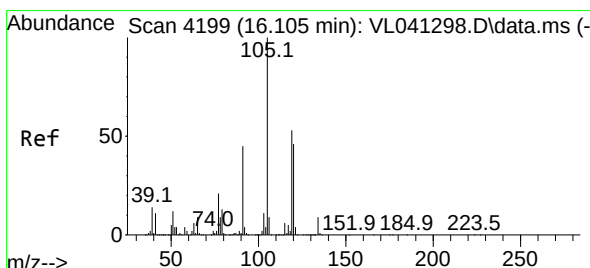
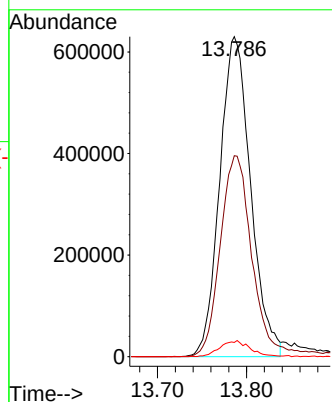
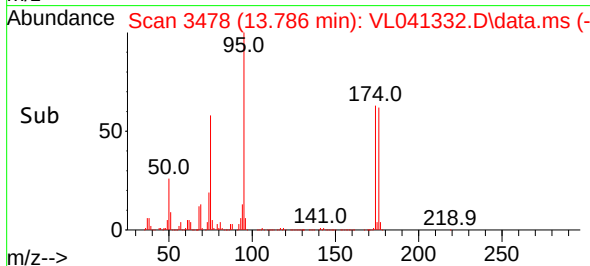
Instrument :
MSVOA_L
ClientSampleId :
OA1



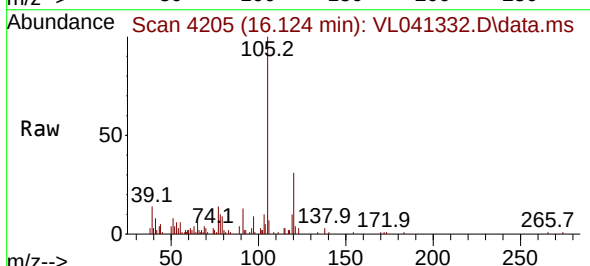
Tgt Ion: 95 Resp: 151895
Ion Ratio Lower Upper
95 100
174 66.7 52.2 78.2
175 5.1 4.1 6.1

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.245 ppbv m
RT: 16.124 min Scan# 4205
Delta R.T. 0.019 min
Lab File: VL041332.D
Acq: 5 Jun 2024 18:13



Tgt Ion:105 Resp: 58598
Ion Ratio Lower Upper
105 100
120 31.0 37.0 55.6#
91 12.8 36.2 54.4#
77 13.8 16.6 24.8#

