

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041512.D
 Acq On : 8 Aug 2024 14:26
 Operator : SY/MD
 Sample : P3496-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-CSDUP

Manual Integrations
 APPROVED

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

Quant Time: Aug 09 05:55:07 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	5.189	49	874594	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2303723	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2161903	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1583653	9.519	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.732	85	34154	0.227	ppbv	90
3) Chlorodifluoromethane	2.674	51	41134m	0.395	ppbv	
4) Chloromethane	2.816	50	36505m	0.659	ppbv	
9) Propene	2.703	41	91804	1.919	ppbv #	69
11) Trichlorofluoromethane	3.558	101	32046	0.240	ppbv	93
13) Ethanol	3.243	45	282755	66.144	ppbv	99
15) Acetone	3.465	43	1338944	13.474	ppbv	100
19) Isopropyl Alcohol	3.587	45	85602	1.473	ppbv #	1
20) Methylene Chloride	3.931	84	2053768	55.423	ppbv	99
26) Hexane	5.208	57	769414	9.395	ppbv #	38
34) 2-Butanone	4.790	43	72397	0.650	ppbv	96
35) Carbon Tetrachloride	6.487	117	8826m	0.069	ppbv	
36) Benzene	6.365	78	38560	0.229	ppbv	97
44) 2,2,4-Trimethylpentane	7.317	57	31403m	0.112	ppbv	
50) 4-Methyl-2-Pentanone	8.195	43	63491	0.361	ppbv	95
52) Tetrachloroethene	10.603	164	3607m	0.055	ppbv	
53) Toluene	9.214	91	305606	1.630	ppbv	99
58) Ethyl Benzene	12.082	91	74254	0.298	ppbv	90
59) m/p-Xylene	12.339	91	220284m	1.024	ppbv	
60) o-Xylene	13.053	91	71120m	0.350	ppbv	

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

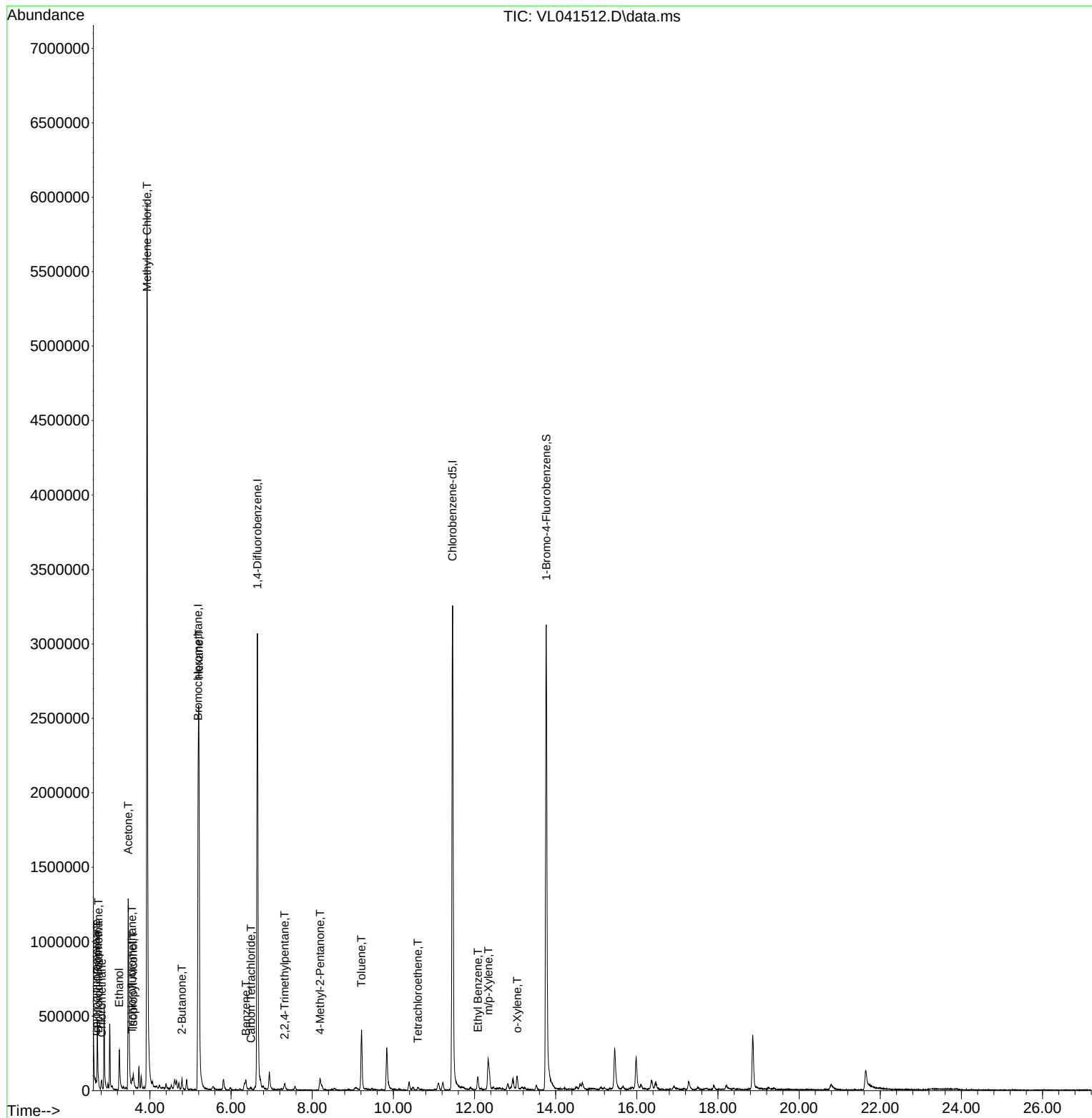
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
Data File : VL041512.D
Acq On : 8 Aug 2024 14:26
Operator : SY/MD
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

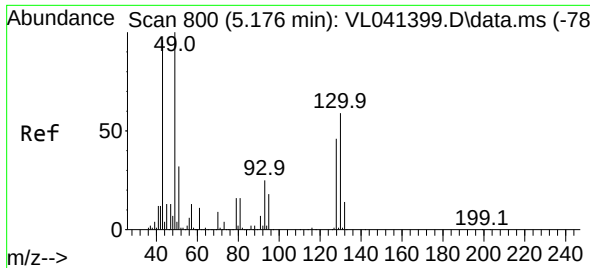
Instrument :
MSVOA_L
ClientSampleId :
B-CSDUP

Quant Time: Aug 09 05:55:07 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
Response via : Initial Calibration

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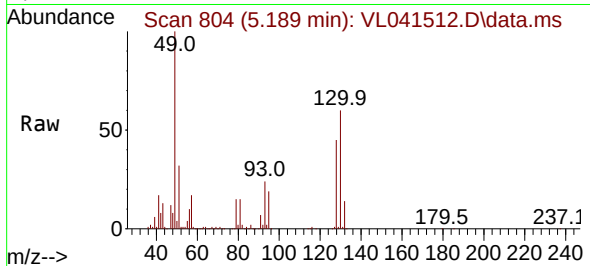
Reviewed By : Semsettin Yesilyurt 08/09/2024
Supervised By : Mahesh Dadoda 08/09/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26

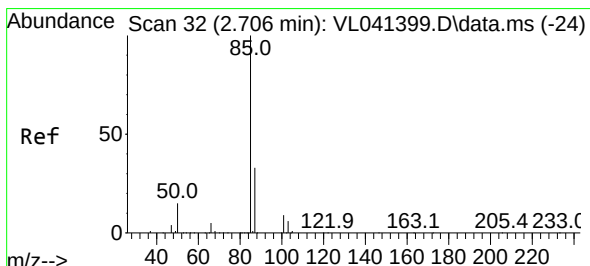
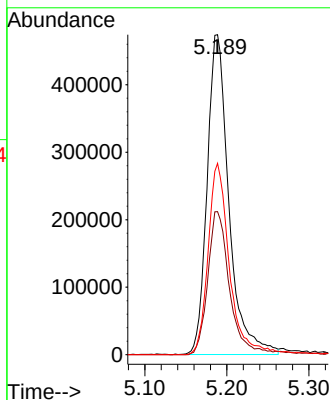
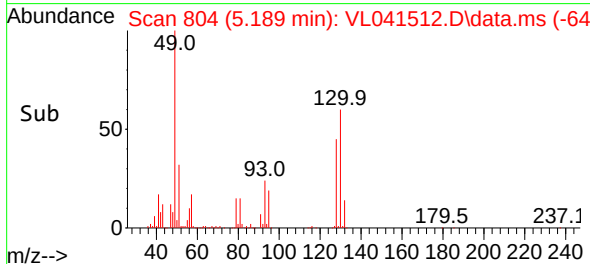
Instrument :
MSVOA_L
ClientSampleId :
B-CSDUP



Tgt Ion: 49 Resp: 874594
Ion Ratio Lower Upper
49 100
128 45.6 23.8 71.4
130 60.1 30.8 92.4

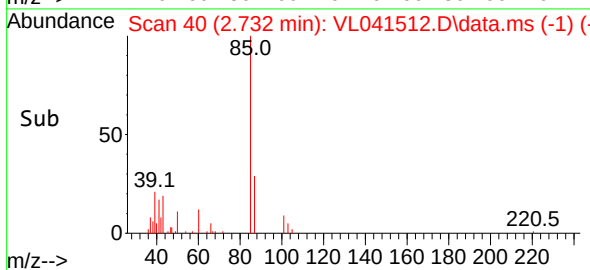
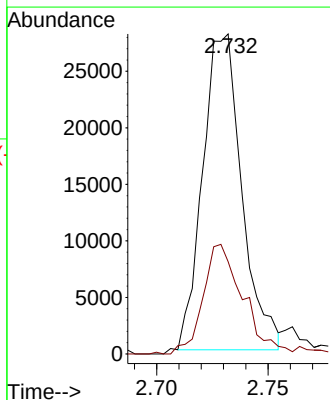
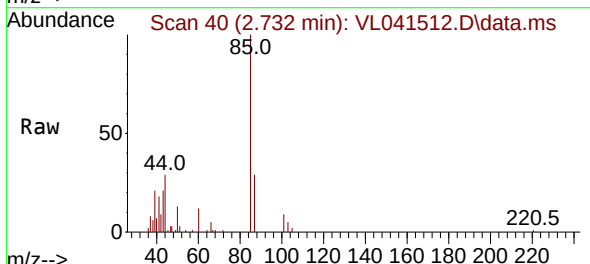
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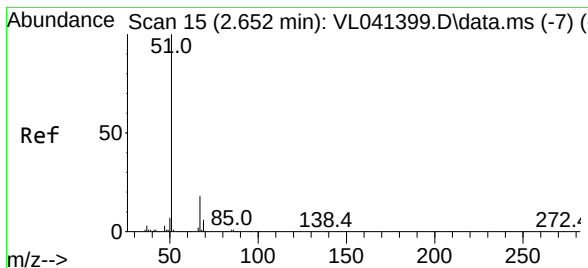
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#2
Dichlorodifluoromethane
Concen: 0.227 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.000 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26

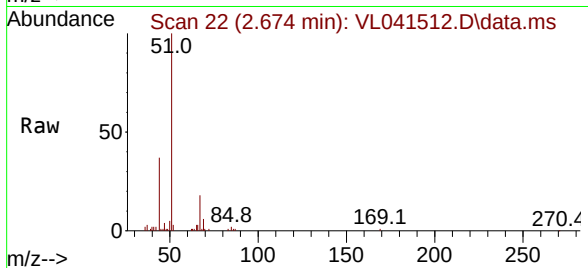
Tgt Ion: 85 Resp: 34154
Ion Ratio Lower Upper
85 100
87 26.8 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.395 ppbv m
RT: 2.674 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26

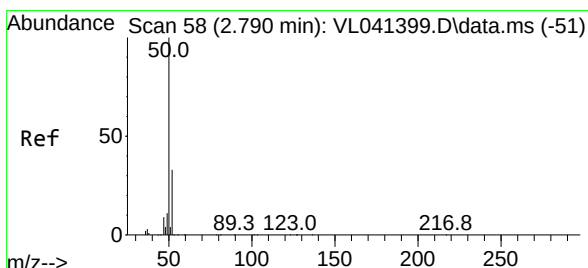
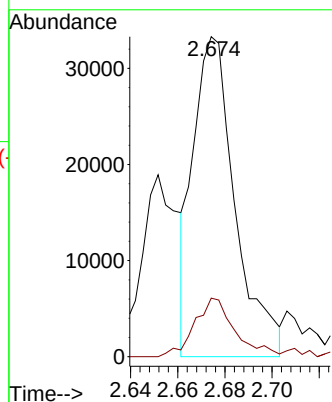
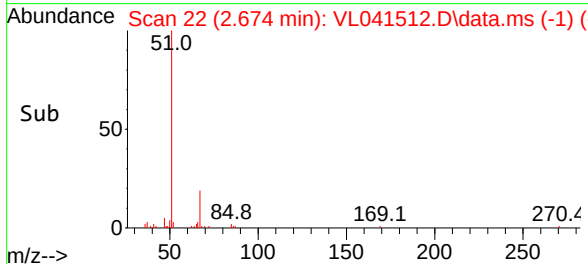
Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 51 Resp: 41134
Ion Ratio Lower Upper
51 100
67 18.3 14.5 21.7

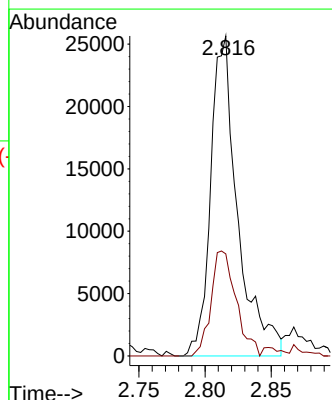
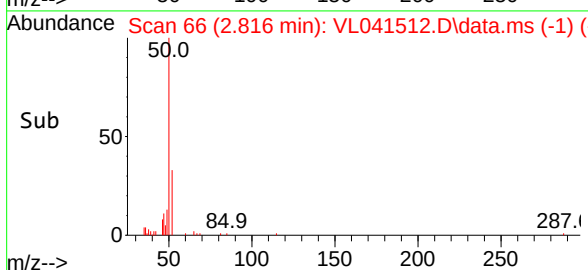
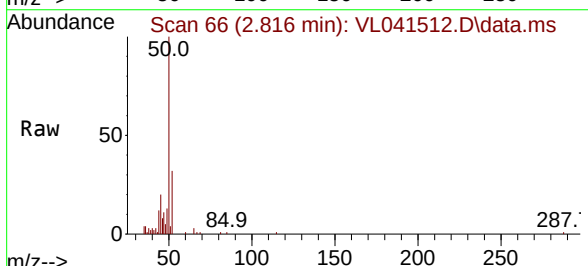
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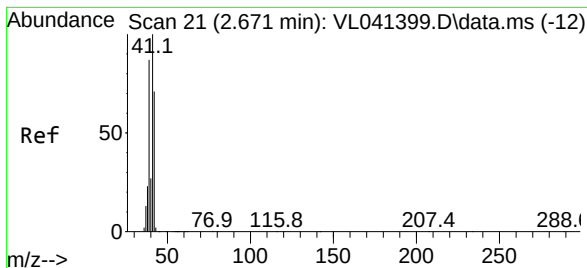
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#4
Chloromethane
Concen: 0.659 ppbv m
RT: 2.816 min Scan# 66
Delta R.T. 0.000 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26

Tgt Ion: 50 Resp: 36505
Ion Ratio Lower Upper
50 100
52 31.9 26.1 39.1





#9

Propene

Concen: 1.919 ppbv

RT: 2.703 min Scan# 31

Delta R.T. 0.006 min

Lab File: VL041512.D

Acq: 8 Aug 2024 14:26

Instrument :

MSVOA_L

ClientSampleId :

B-CSDUP

Tgt Ion: 41 Resp: 91804

Ion Ratio Lower Upper

41 100

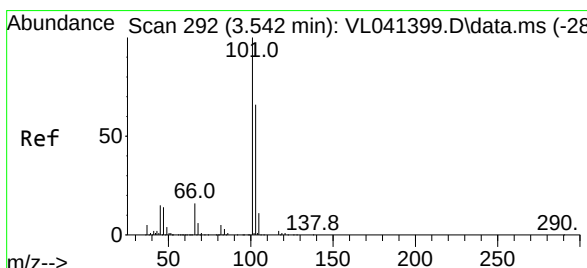
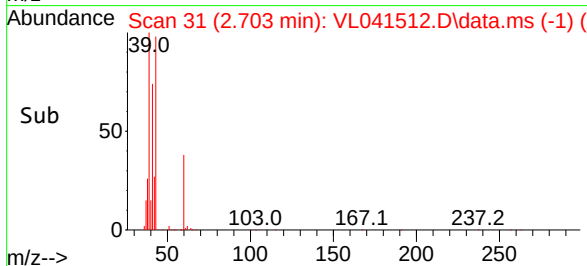
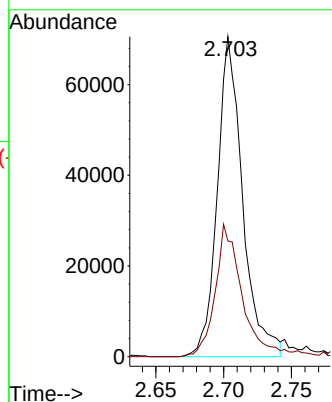
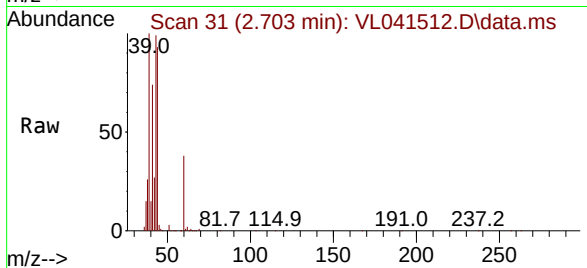
42 44.9 55.9 83.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#11

Trichlorofluoromethane

Concen: 0.240 ppbv

RT: 3.558 min Scan# 297

Delta R.T. -0.003 min

Lab File: VL041512.D

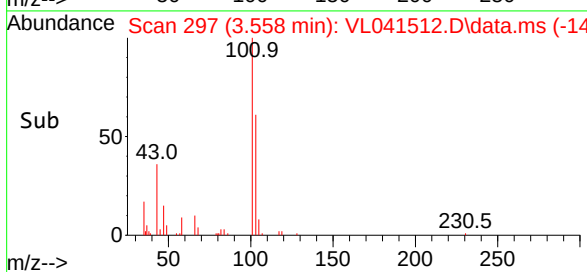
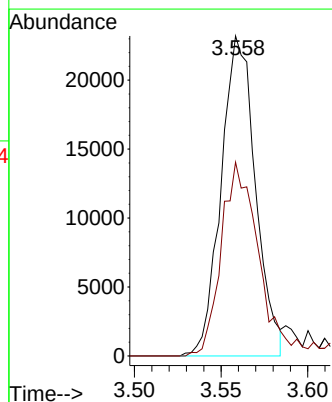
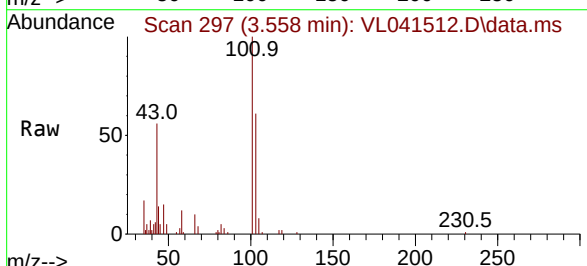
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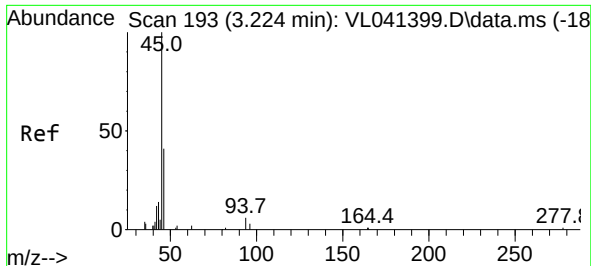
Tgt Ion:101 Resp: 32046

Ion Ratio Lower Upper

101 100

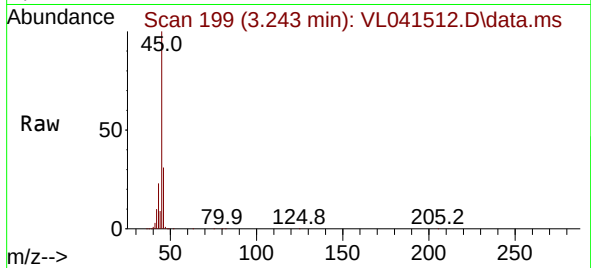
103 60.6 52.6 79.0





#13
Ethanol
Concen: 66.144 ppbv
RT: 3.243 min Scan# 193
Delta R.T. 0.000 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26

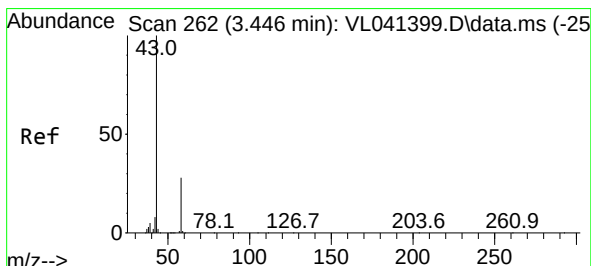
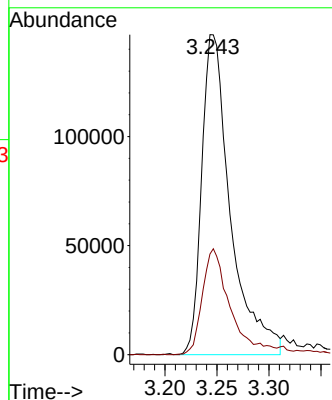
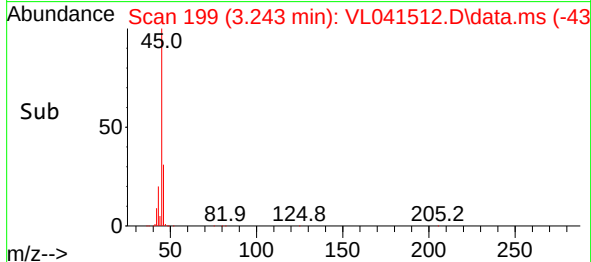
Instrument :
MSVOA_L
ClientSampleId :
B-CSDUP



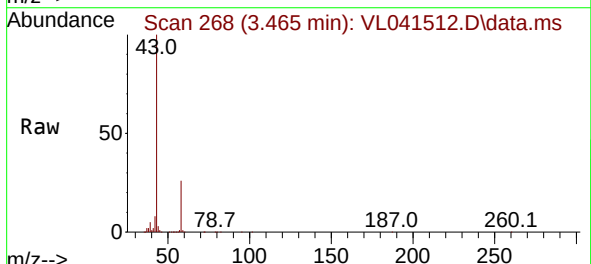
Tgt Ion: 45 Resp: 282758
Ion Ratio Lower Upper
45 100
46 34.0 13.4 53.4

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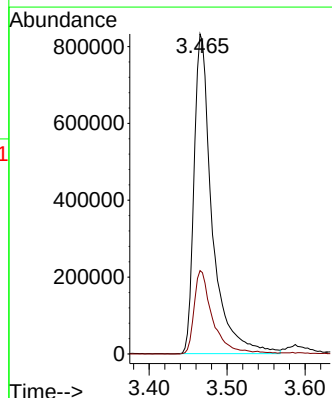
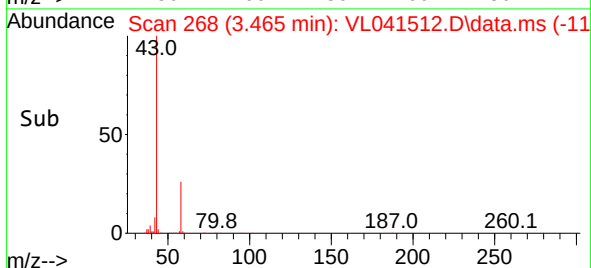
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024

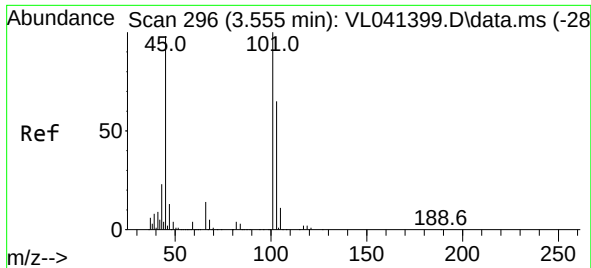


#15
Acetone
Concen: 13.474 ppbv
RT: 3.465 min Scan# 268
Delta R.T. -0.003 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26



Tgt Ion: 43 Resp: 1338944
Ion Ratio Lower Upper
43 100
58 26.9 21.4 32.2





#19

Isopropyl Alcohol

Concen: 1.473 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.013 min

Lab File: VL041512.D

Acq: 8 Aug 2024 14:26

Instrument :

MSVOA_L

ClientSampleId :

B-CSDUP

Tgt Ion: 45 Resp: 85602

Ion Ratio Lower Upper

45 100

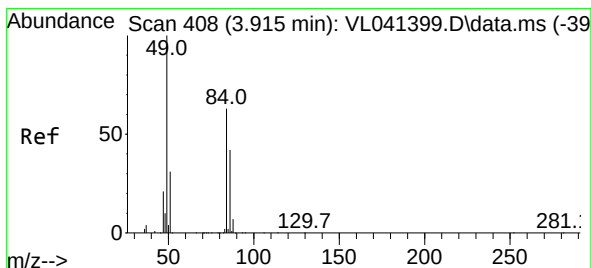
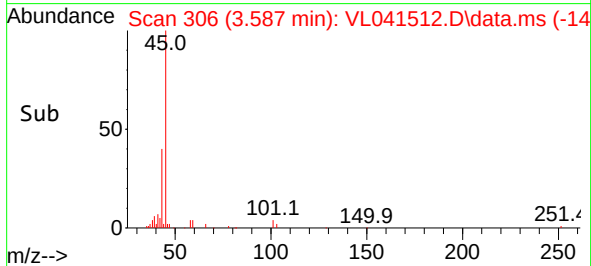
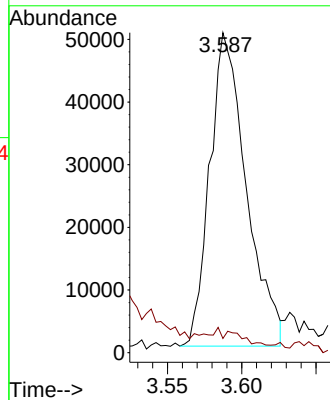
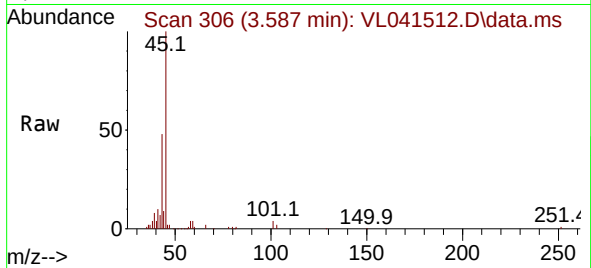
58 421.3 1.9 2.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#20

Methylene Chloride

Concen: 55.423 ppbv

RT: 3.931 min Scan# 413

Delta R.T. 0.000 min

Lab File: VL041512.D

Acq: 8 Aug 2024 14:26

Tgt Ion: 84 Resp: 2053768

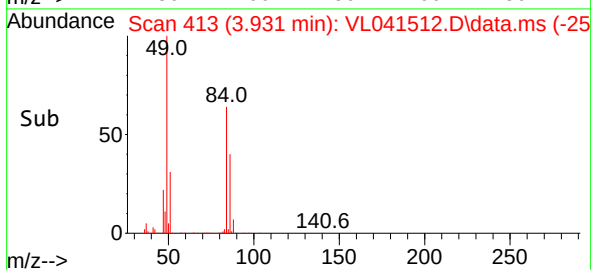
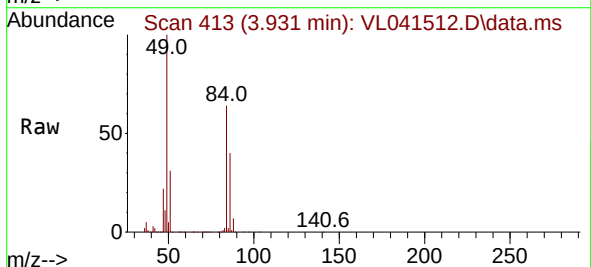
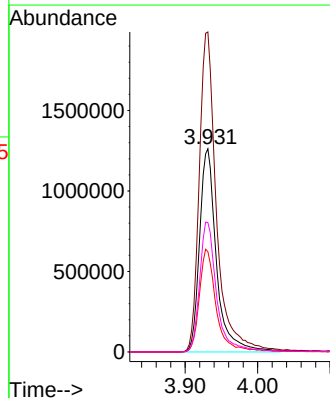
Ion Ratio Lower Upper

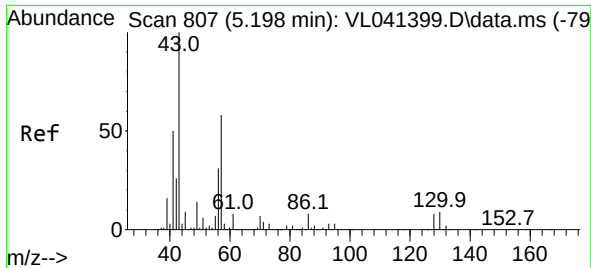
84 100

49 157.4 126.6 190.0

51 49.3 38.6 58.0

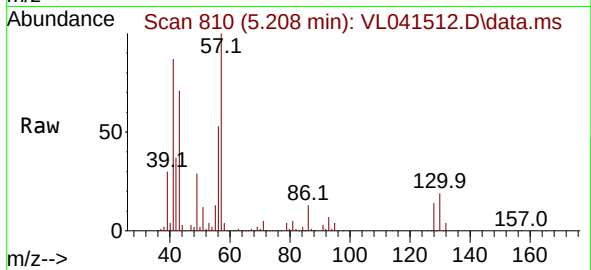
86 63.7 53.0 79.4





#26
Hexane
Concen: 9.395 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.003 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26

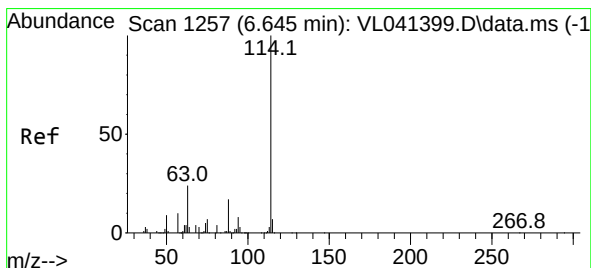
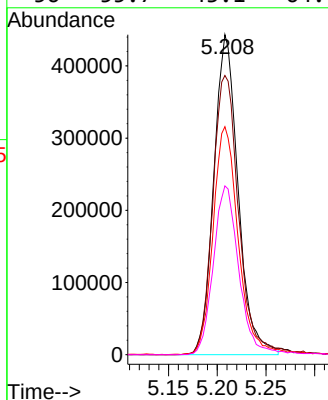
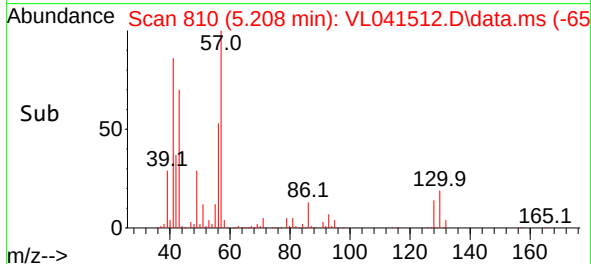
Instrument :
MSVOA_L
ClientSampleId :
B-CSDUP



Tgt Ion: 57 Resp: 769414
Ion Ratio Lower Upper
57 100
41 94.4 74.0 111.0
43 74.5 193.6 290.4
56 55.7 43.1 64.7

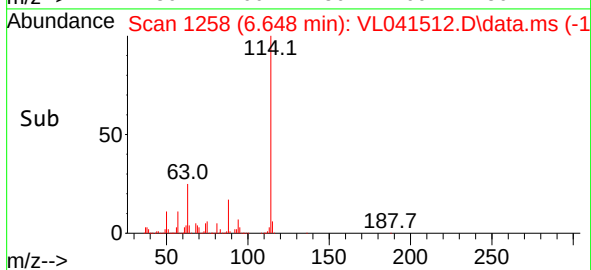
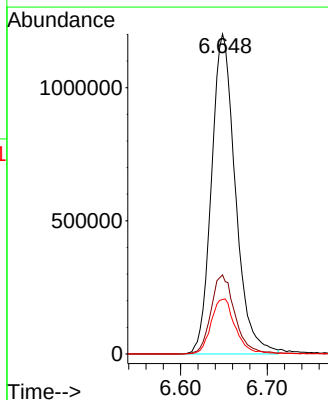
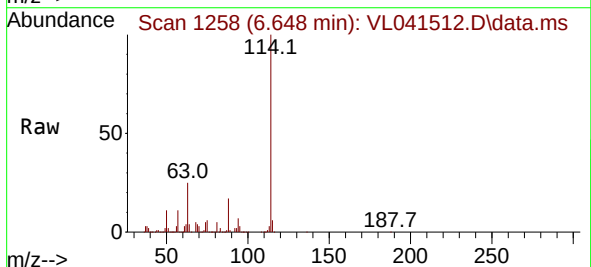
Manual Integrations
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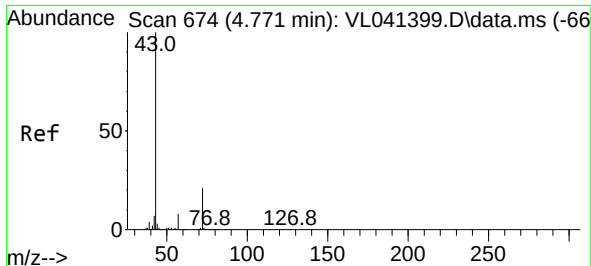
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26

Tgt Ion:114 Resp: 2303723
Ion Ratio Lower Upper
114 100
63 25.1 20.3 30.5
88 17.6 14.3 21.5





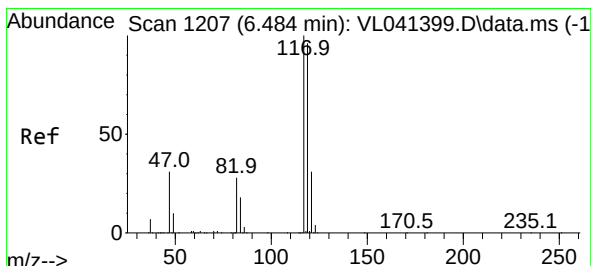
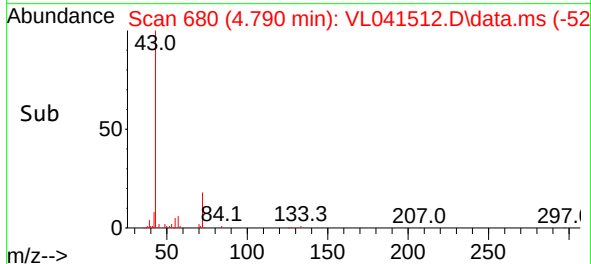
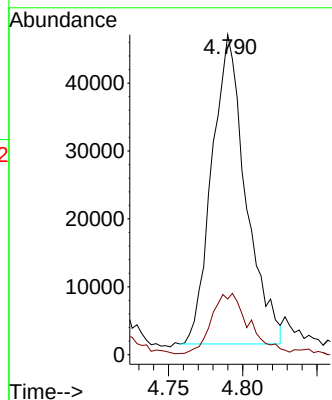
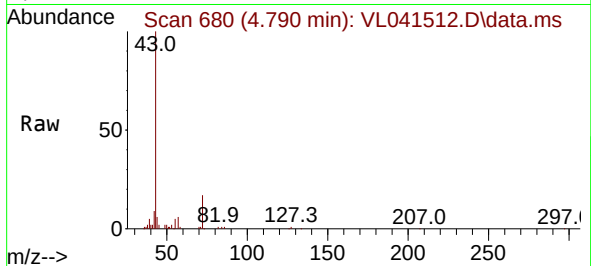
#34
2-Butanone
Concen: 0.650 ppbv
RT: 4.790 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26

Instrument :
MSVOA_L
ClientSampleId :
B-CSDUP

Tgt Ion: 43 Resp: 7239
Ion Ratio Lower Upper
43 100
72 23.7 17.3 25.9

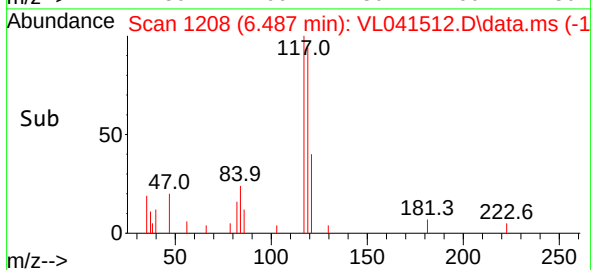
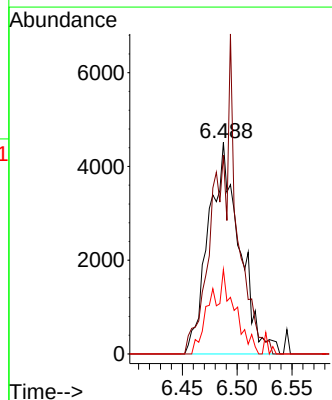
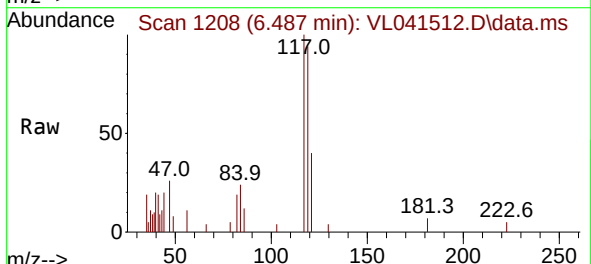
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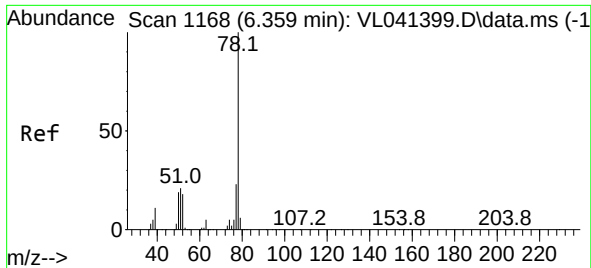
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 6.487 min Scan# 1208
Delta R.T. -0.003 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26

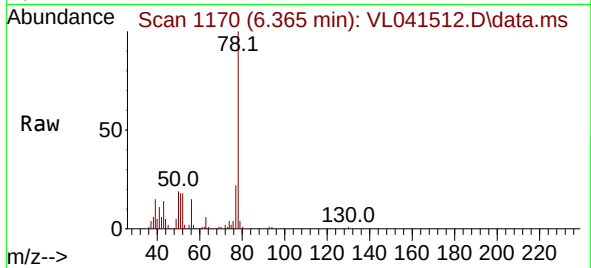
Tgt Ion:117 Resp: 8826
Ion Ratio Lower Upper
117 100
119 94.1 76.6 115.0
121 40.0 25.1 37.7#





#36
Benzene
Concen: 0.229 ppbv
RT: 6.365 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26

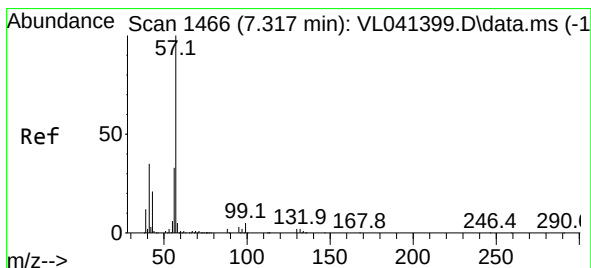
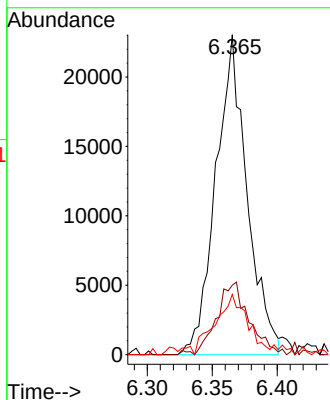
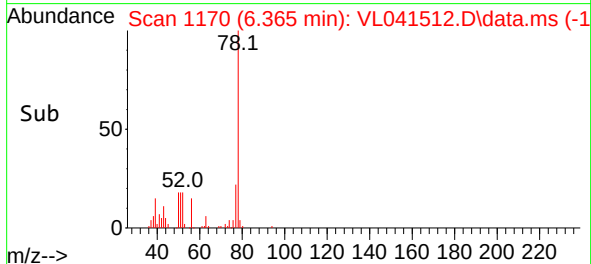
Instrument :
MSVOA_L
ClientSampleId :
B-CSDUP



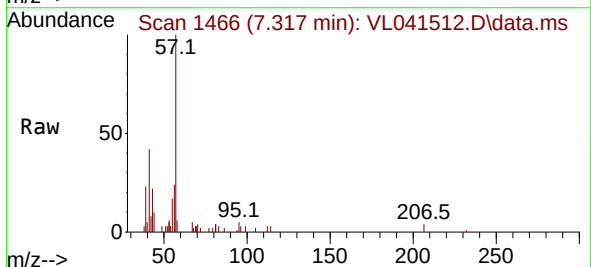
Tgt Ion: 78 Resp: 38560
Ion Ratio Lower Upper
78 100
77 21.7 18.1 27.1
50 17.9 15.5 23.3

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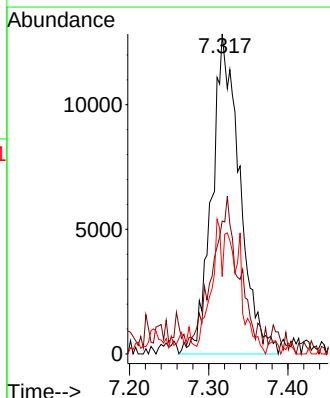
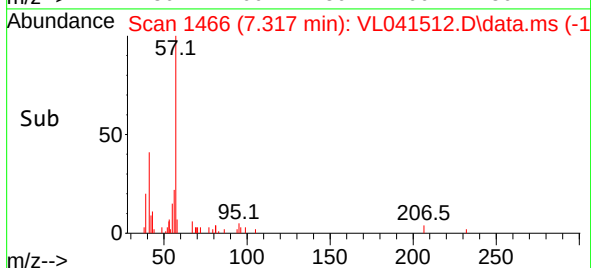
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024

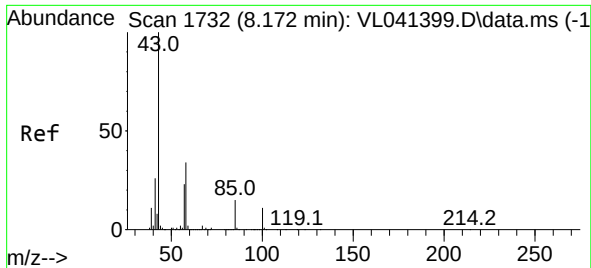


#44
2,2,4-Trimethylpentane
Concen: 0.112 ppbv m
RT: 7.317 min Scan# 1466
Delta R.T. -0.003 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26



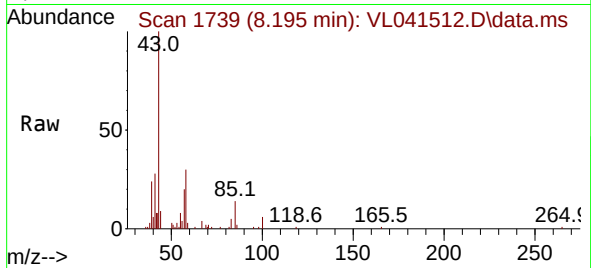
Tgt Ion: 57 Resp: 31403
Ion Ratio Lower Upper
57 100
41 47.3 27.0 40.6#
56 42.6 25.2 37.8#





#50
4-Methyl-2-Pentanone
Concen: 0.361 ppbv
RT: 8.195 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26

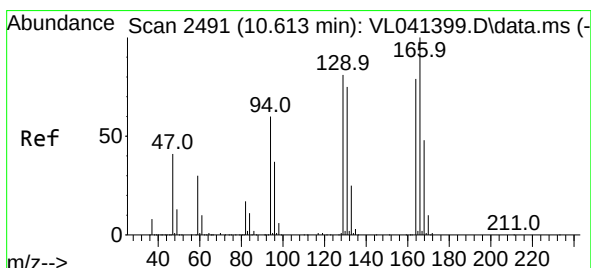
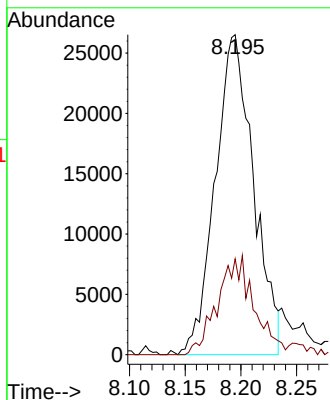
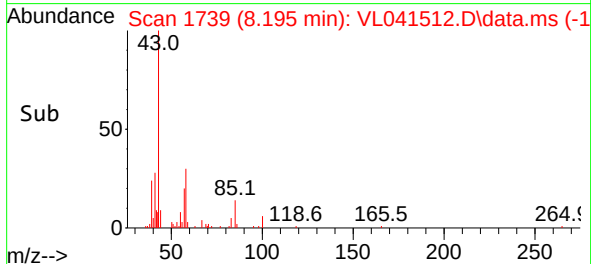
Instrument :
MSVOA_L
ClientSampleId :
B-CSDUP



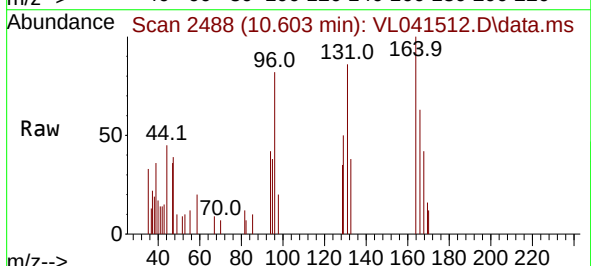
Tgt Ion: 43 Resp: 6349
Ion Ratio Lower Upper
43 100
58 32.0 27.9 41.9

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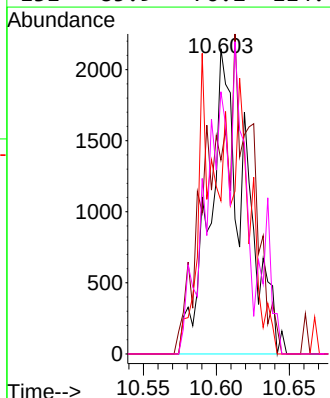
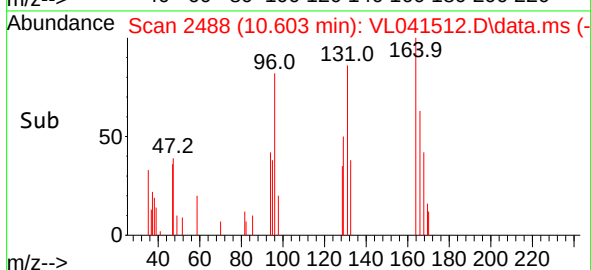
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024

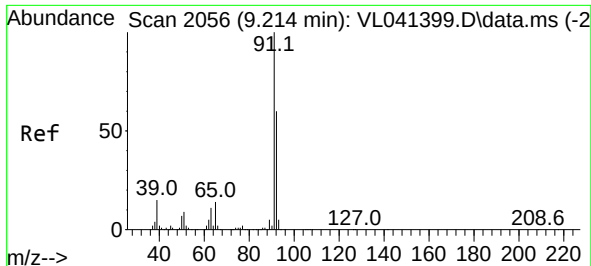


#52
Tetrachloroethene
Concen: 0.055 ppbv m
RT: 10.603 min Scan# 2488
Delta R.T. -0.010 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26



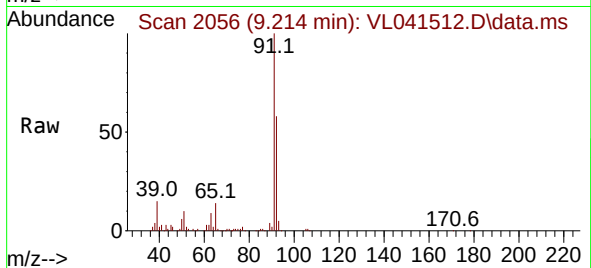
Tgt Ion:164 Resp: 3607
Ion Ratio Lower Upper
164 100
166 63.5 101.1 151.7#
129 50.2 81.7 122.5#
131 85.9 76.2 114.4





#53
Toluene
Concen: 1.630 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. -0.003 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26

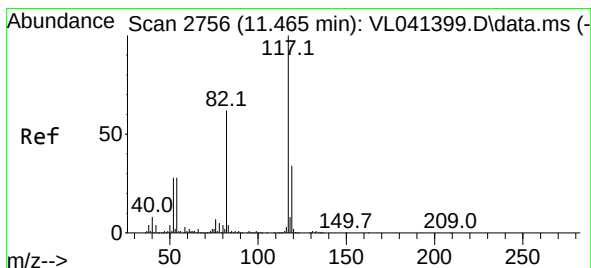
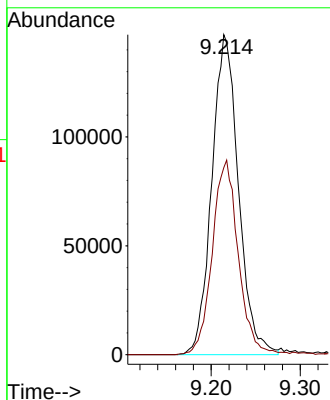
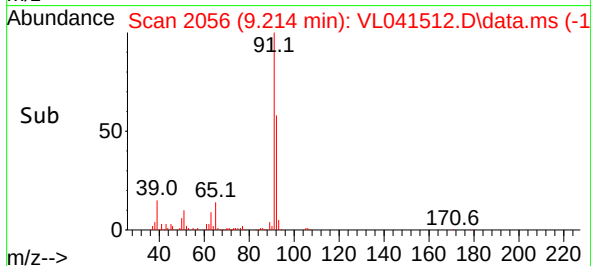
Instrument :
MSVOA_L
ClientSampleId :
B-CSDUP



Tgt Ion: 91 Resp: 305600
Ion Ratio Lower Upper
91 100
92 60.0 48.7 73.1

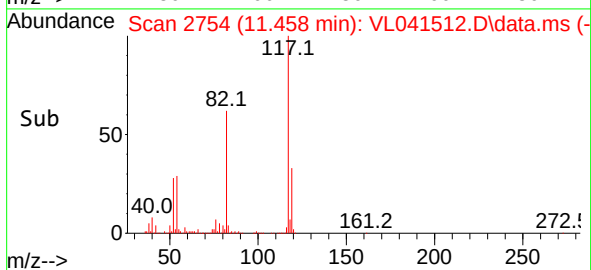
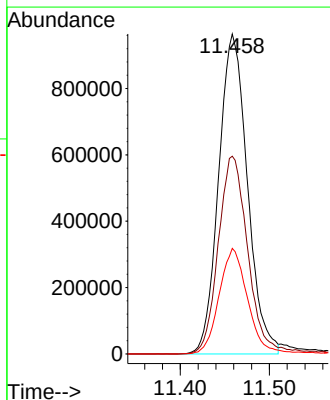
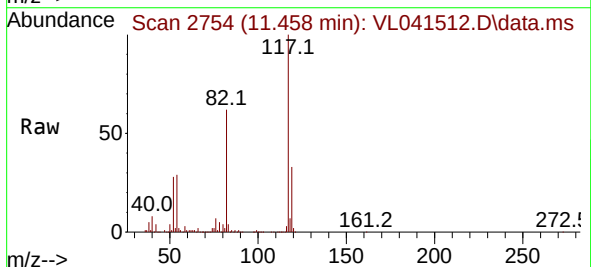
Manual Integrations
APPROVED

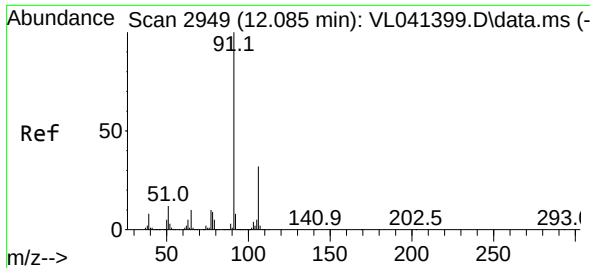
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. -0.003 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26

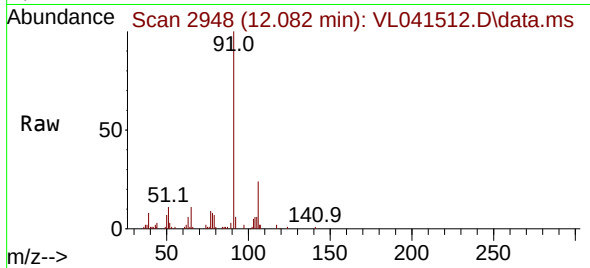
Tgt Ion:117 Resp: 2161903
Ion Ratio Lower Upper
117 100
82 64.7 51.0 76.6
119 33.1 45.2 67.8#





#58
Ethyl Benzene
Concen: 0.298 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26

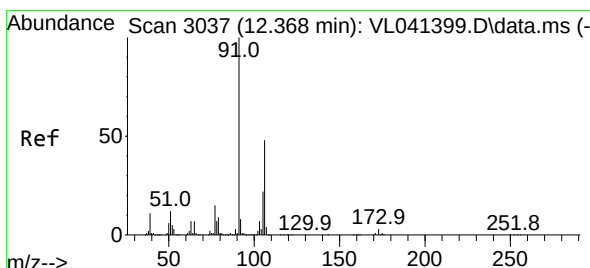
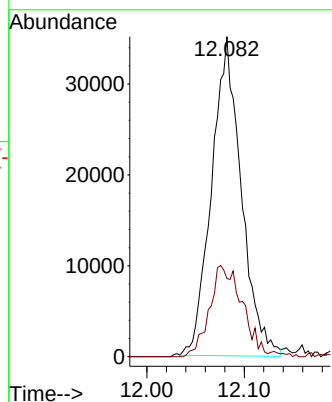
Instrument :
MSVOA_L
ClientSampleId :
B-CSDUP



Tgt Ion: 91 Resp: 74254
Ion Ratio Lower Upper
91 100
106 26.6 25.8 38.8

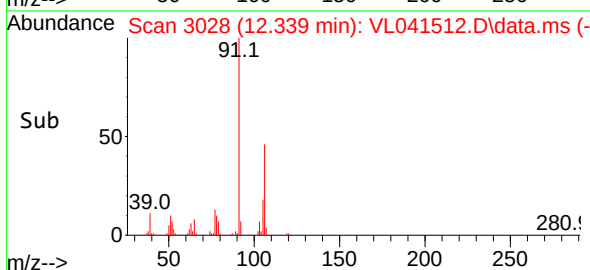
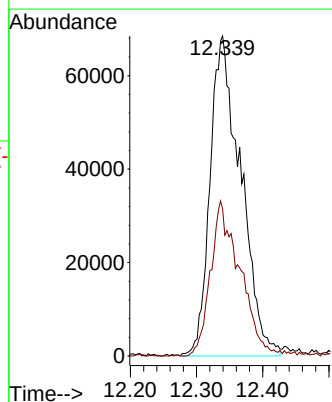
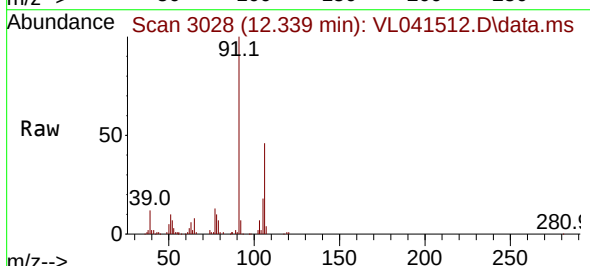
Manual Integrations
APPROVED

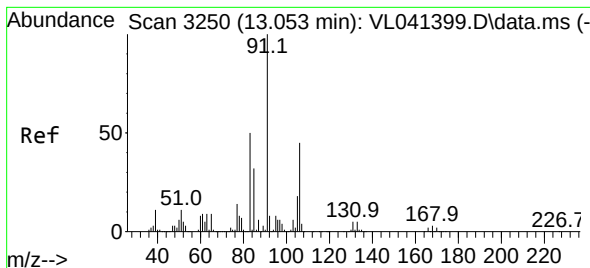
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#59
m/p-Xylene
Concen: 1.024 ppbv m
RT: 12.339 min Scan# 3028
Delta R.T. -0.029 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26

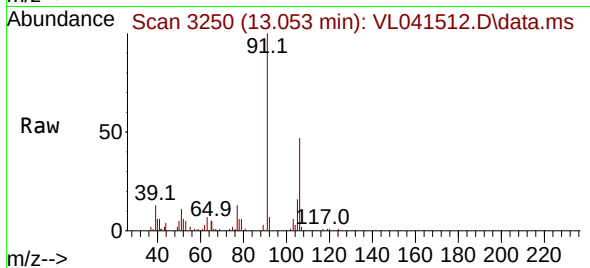
Tgt Ion: 91 Resp: 220284
Ion Ratio Lower Upper
91 100
106 46.8 36.3 54.5





#60
o-Xylene
Concen: 0.350 ppbv m
RT: 13.053 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26

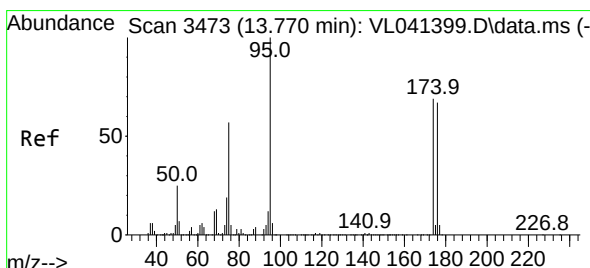
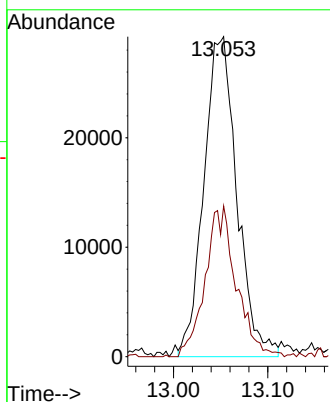
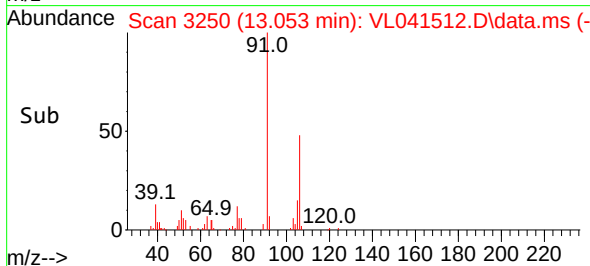
Instrument :
MSVOA_L
ClientSampleId :
B-CSDUP



Tgt Ion: 91 Resp: 71120
Ion Ratio Lower Upper
91 100
106 44.1 23.1 69.3

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 9.519 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. 0.000 min
Lab File: VL041512.D
Acq: 8 Aug 2024 14:26

Tgt Ion: 95 Resp: 1583653
Ion Ratio Lower Upper
95 100
174 70.3 56.3 84.5
175 4.9 4.0 6.0

