

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041511.D
 Acq On : 8 Aug 2024 13:45
 Operator : SY/MD
 Sample : P3496-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-CS

Manual Integrations
 APPROVED

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

Quant Time: Aug 09 05:54:42 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	5.182	49	836210	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2297076	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2220803	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1611547	9.430	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	36052	0.251	ppbv	94
3) Chlorodifluoromethane	2.668	51	44506m	0.447	ppbv	
4) Chloromethane	2.806	50	33533m	0.633	ppbv	
9) Propene	2.697	41	91848	2.008	ppbv #	70
11) Trichlorofluoromethane	3.552	101	32289	0.253	ppbv	97
13) Ethanol	3.230	45	278358	68.105	ppbv	95
15) Acetone	3.455	43	1256293	13.223	ppbv	99
19) Isopropyl Alcohol	3.578	45	92419	1.664	ppbv #	1
20) Methylene Chloride	3.922	84	856200	24.166	ppbv	98
26) Hexane	5.201	57	598930	7.649	ppbv #	38
34) 2-Butanone	4.783	43	72951	0.657	ppbv	94
35) Carbon Tetrachloride	6.481	117	8350	0.066	ppbv #	84
36) Benzene	6.356	78	37882m	0.226	ppbv	
44) 2,2,4-Trimethylpentane	7.323	57	30684m	0.109	ppbv	
50) 4-Methyl-2-Pentanone	8.182	43	70379m	0.401	ppbv	
52) Tetrachloroethene	10.600	164	3960m	0.061	ppbv	
53) Toluene	9.214	91	314888	1.684	ppbv	97
58) Ethyl Benzene	12.076	91	80491m	0.314	ppbv	
59) m/p-Xylene	12.333	91	225425	1.020	ppbv	95
60) o-Xylene	13.043	91	71625	0.343	ppbv	97

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

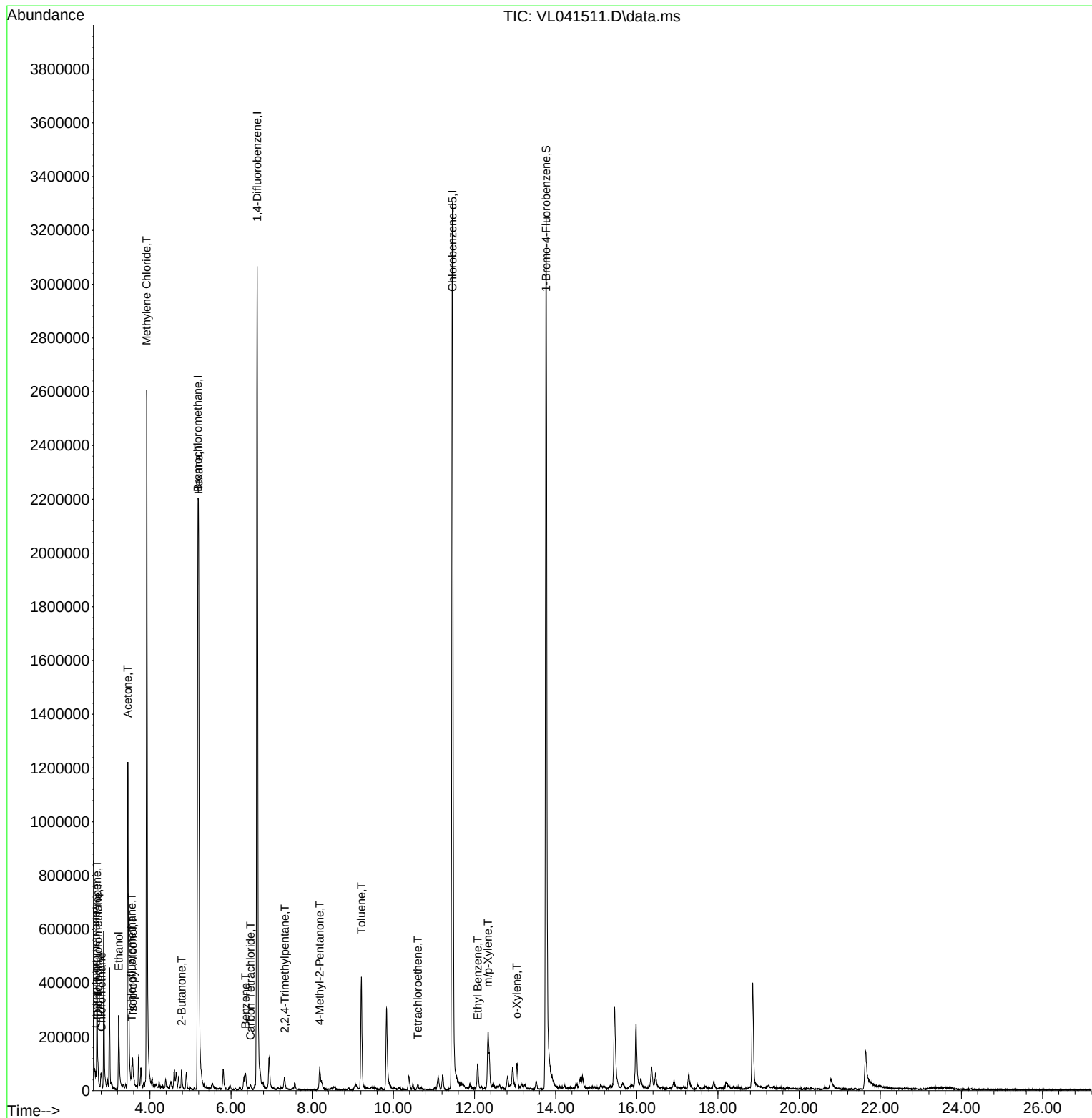
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
Data File : VL041511.D
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Operator : SY/MD
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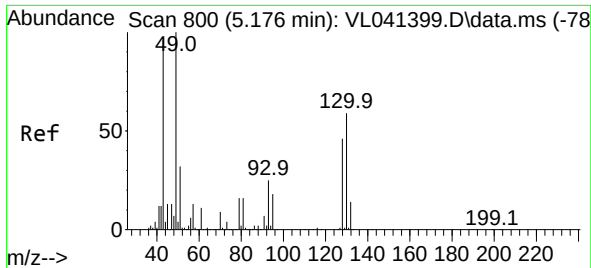
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Aug 09 05:54:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
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Response via : Initial Calibration

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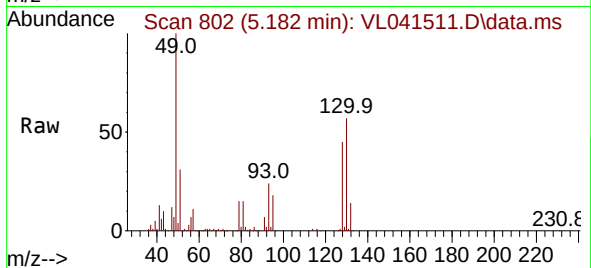
Reviewed By : Semsettin Yesilyurt 08/09/2024
Supervised By : Mahesh Dadoda 08/09/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

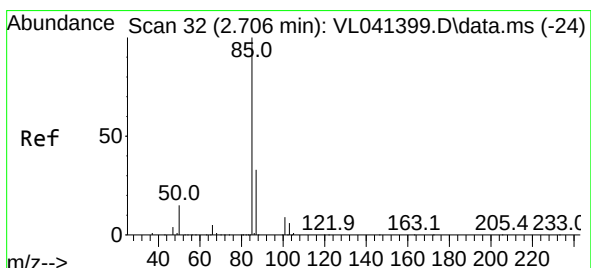
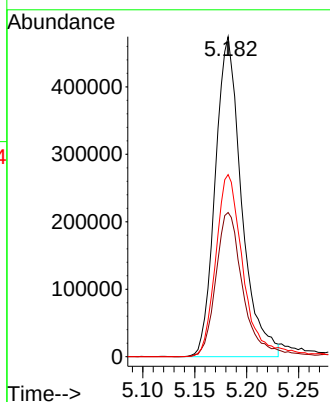
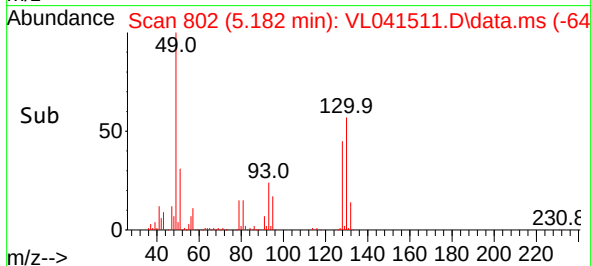
Instrument :
MSVOA_L
ClientSampleId :
B-CS



Tgt Ion: 49 Resp: 836210
Ion Ratio Lower Upper
49 100
128 48.0 23.8 71.4
130 61.3 30.8 92.4

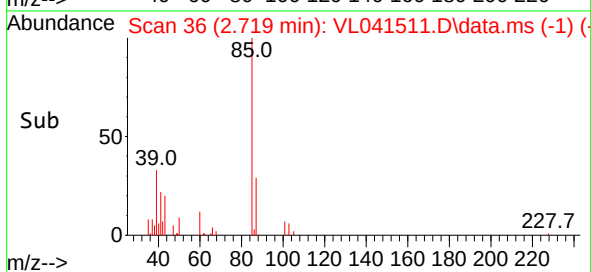
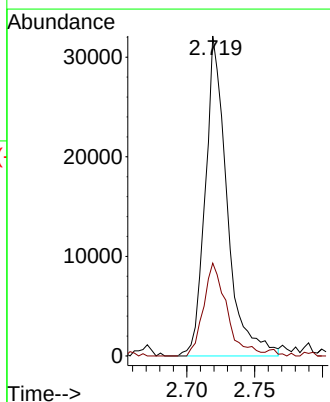
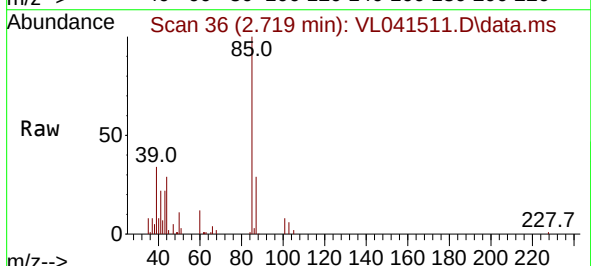
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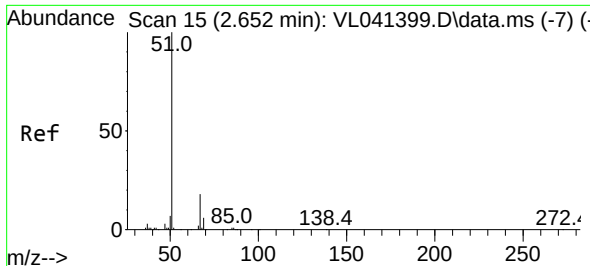
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#2
Dichlorodifluoromethane
Concen: 0.251 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.013 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

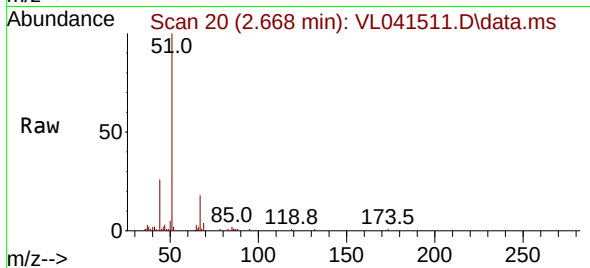
Tgt Ion: 85 Resp: 36052
Ion Ratio Lower Upper
85 100
87 29.0 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.447 ppbv m
RT: 2.668 min Scan# 20
Delta R.T. -0.010 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

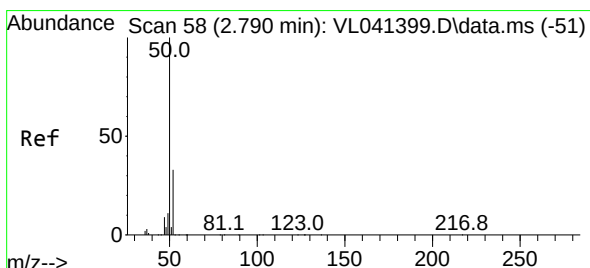
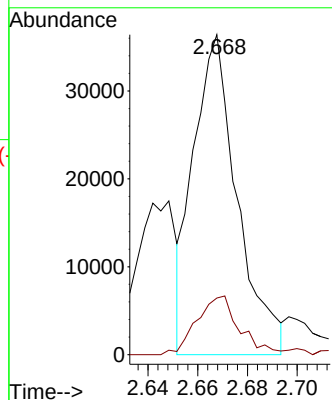
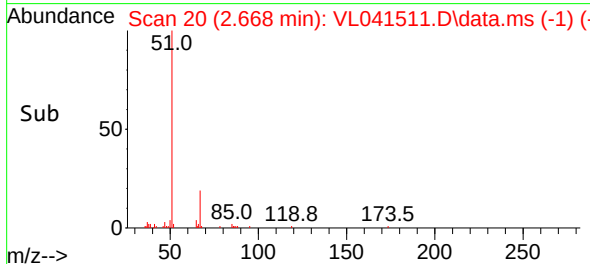
Instrument :
MSVOA_L
ClientSampleId :
B-CS



Tgt Ion: 51 Resp: 44500
Ion Ratio Lower Upper
51 100
67 19.6 14.5 21.7

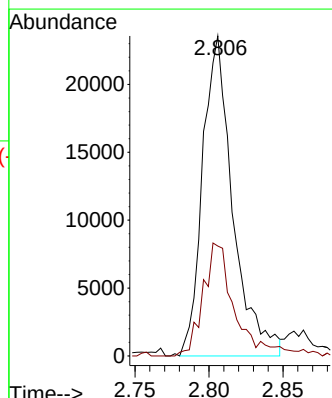
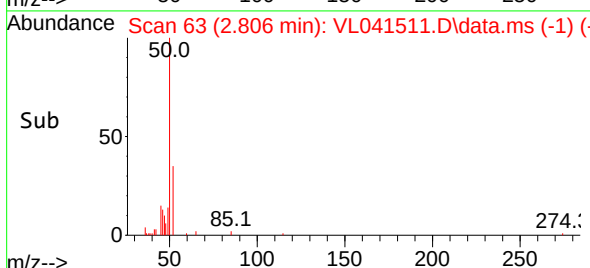
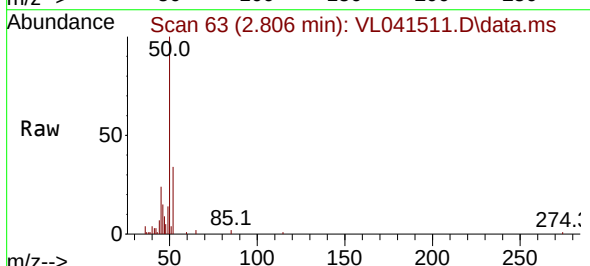
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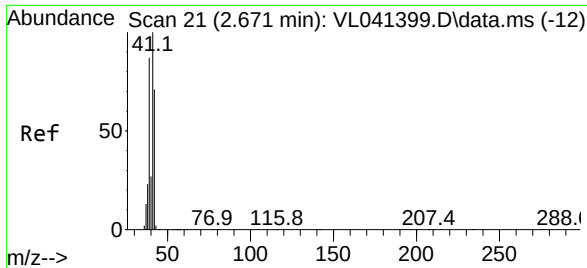
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#4
Chloromethane
Concen: 0.633 ppbv m
RT: 2.806 min Scan# 63
Delta R.T. -0.010 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

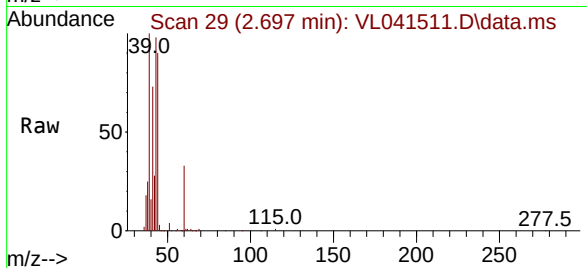
Tgt Ion: 50 Resp: 33533
Ion Ratio Lower Upper
50 100
52 34.4 26.1 39.1





#9
 Propene
 Concen: 2.008 ppbv
 RT: 2.697 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VL041511.D
 Acq: 8 Aug 2024 13:45

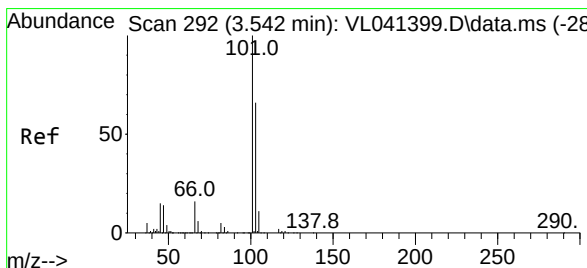
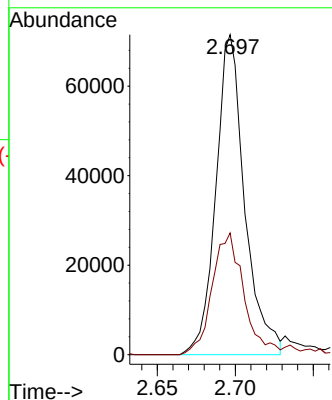
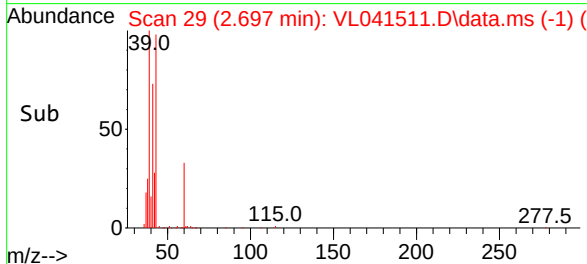
Instrument :
 MSVOA_L
 ClientSampleId :
 B-CS



Tgt Ion: 41 Resp: 91848
 Ion Ratio Lower Upper
 41 100
 42 44.9 55.9 83.9

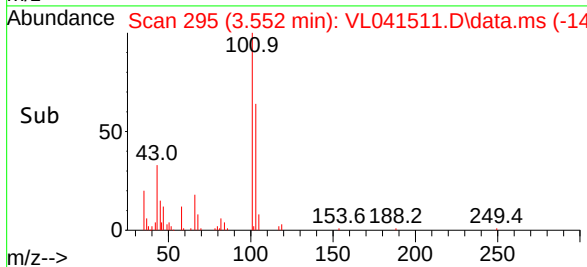
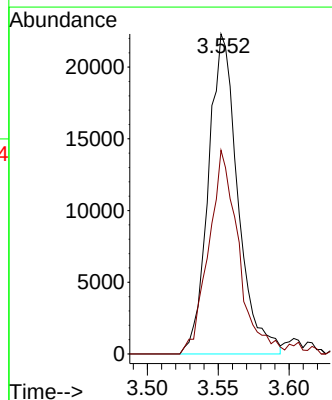
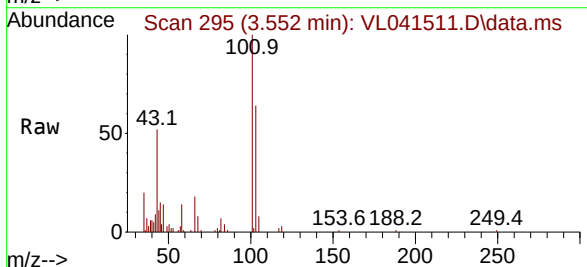
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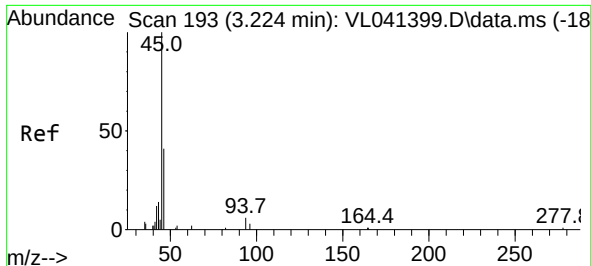
Reviewed By :Semsettin Yesilyurt 08/09/2024
 Supervised By :Mahesh Dadoda 08/09/2024



#11
 Trichlorofluoromethane
 Concen: 0.253 ppbv
 RT: 3.552 min Scan# 295
 Delta R.T. -0.010 min
 Lab File: VL041511.D
 Acq: 8 Aug 2024 13:45

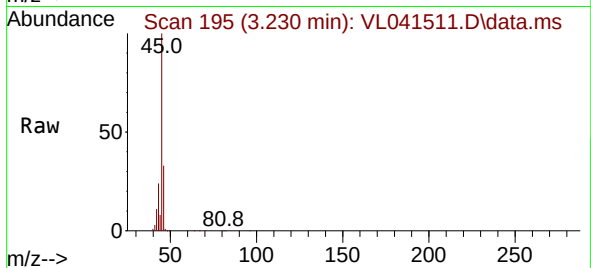
Tgt Ion:101 Resp: 32289
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.6 79.0





#13
Ethanol
Concen: 68.105 ppbv
RT: 3.230 min Scan# 193
Delta R.T. -0.013 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

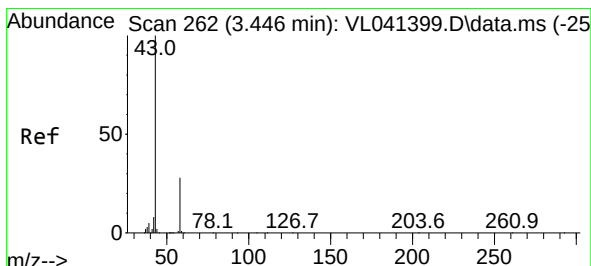
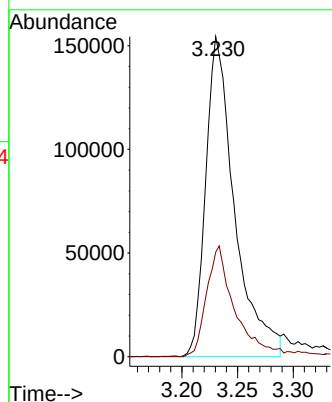
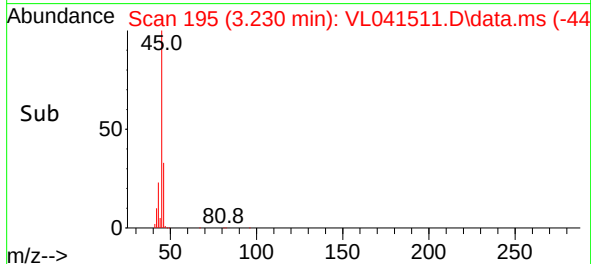
Instrument :
MSVOA_L
ClientSampleId :
B-CS



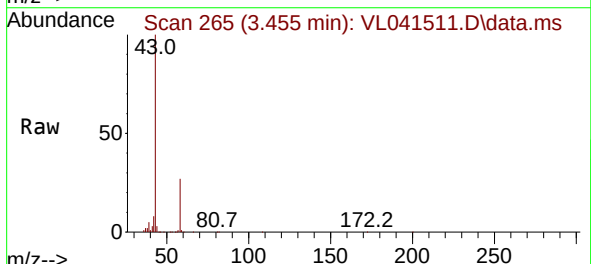
Tgt Ion: 45 Resp: 278358
Ion Ratio Lower Upper
45 100
46 36.2 13.4 53.4

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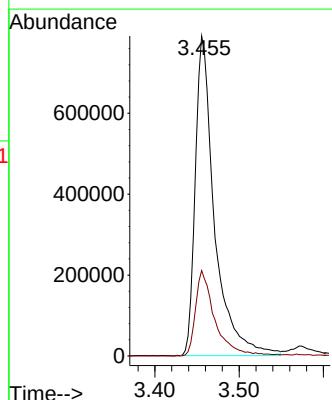
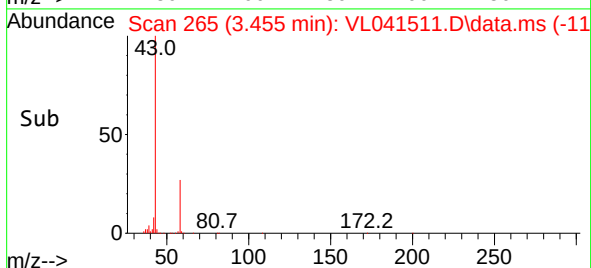
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024

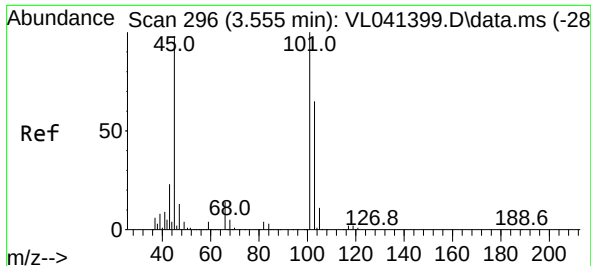


#15
Acetone
Concen: 13.223 ppbv
RT: 3.455 min Scan# 265
Delta R.T. -0.013 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45



Tgt Ion: 43 Resp: 1256293
Ion Ratio Lower Upper
43 100
58 27.2 21.4 32.2





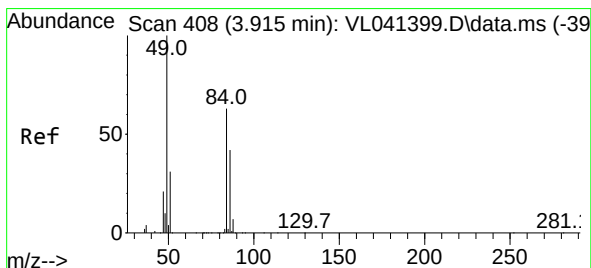
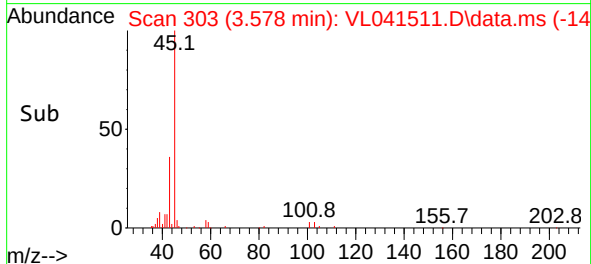
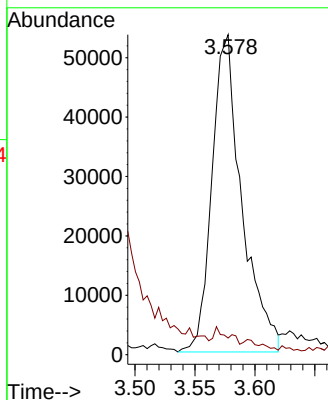
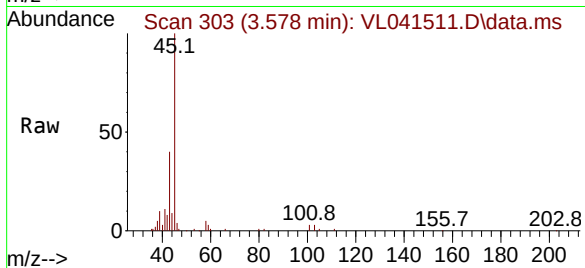
#19
Isopropyl Alcohol
Concen: 1.664 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.003 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

Instrument :
MSVOA_L
ClientSampleId :
B-CS

Tgt Ion: 45 Resp: 92419
Ion Ratio Lower Upper
45 100
58 369.7 1.9 2.9

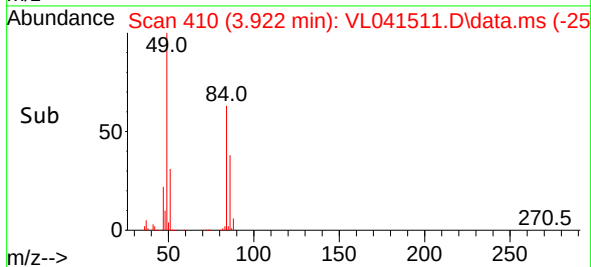
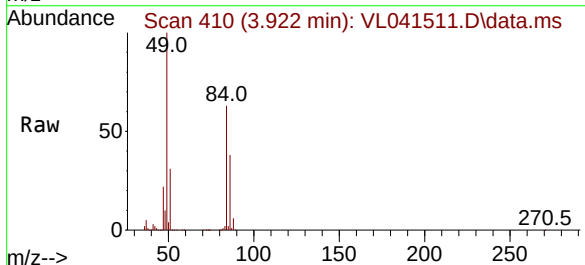
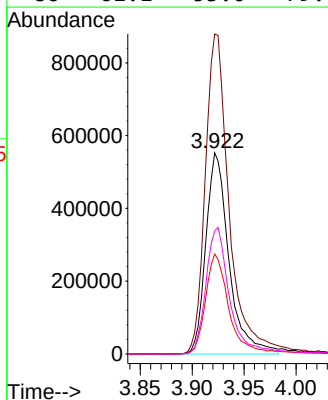
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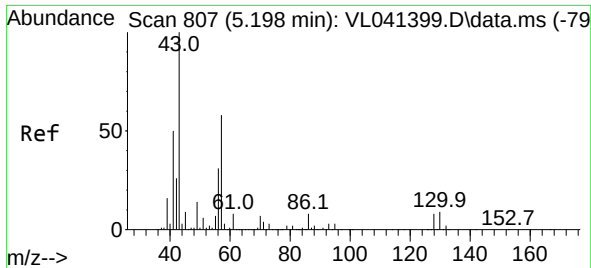
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#20
Methylene Chloride
Concen: 24.166 ppbv
RT: 3.922 min Scan# 410
Delta R.T. -0.010 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

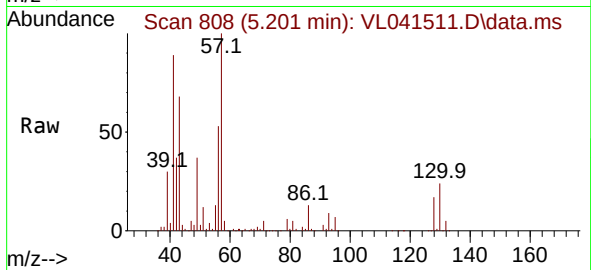
Tgt Ion: 84 Resp: 856200
Ion Ratio Lower Upper
84 100
49 159.1 126.6 190.0
51 49.7 38.6 58.0
86 61.1 53.0 79.4





#26
Hexane
Concen: 7.649 ppbv
RT: 5.201 min Scan# 807
Delta R.T. -0.010 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

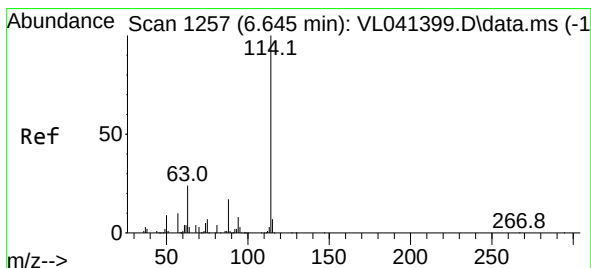
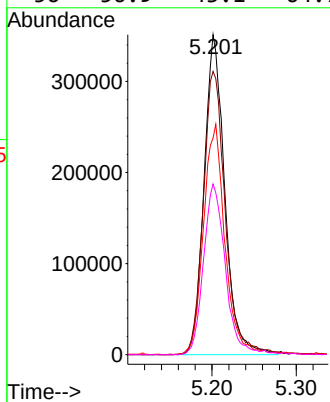
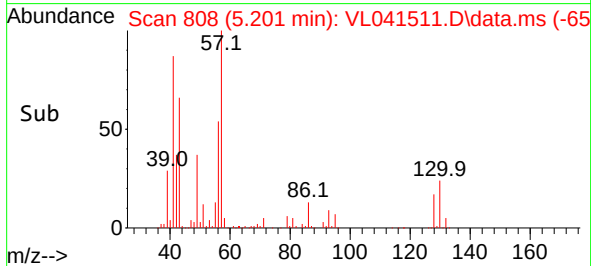
Instrument : MSVOA_L
ClientSampleId : B-CS



Tgt Ion: 57 Resp: 598930
Ion Ratio Lower Upper
57 100
41 95.2 74.0 111.0
43 75.1 193.6 290.4
56 56.9 43.1 64.7

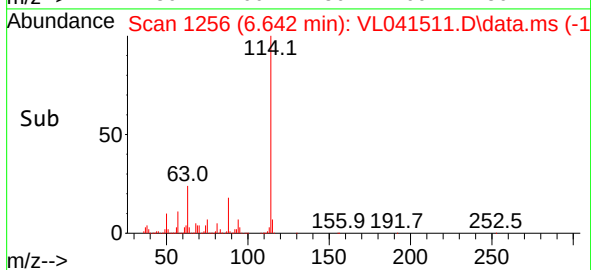
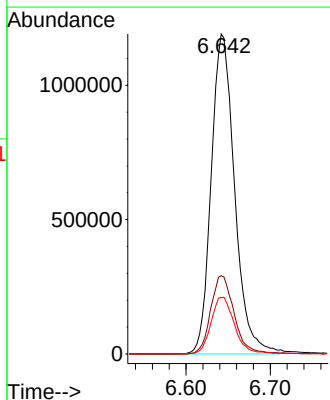
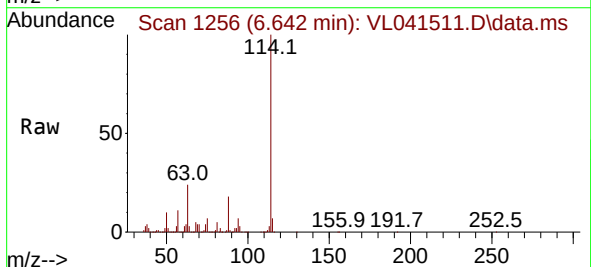
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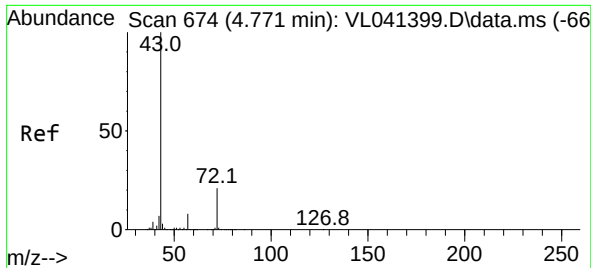
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.006 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

Tgt Ion:114 Resp: 2297076
Ion Ratio Lower Upper
114 100
63 24.7 20.3 30.5
88 17.9 14.3 21.5





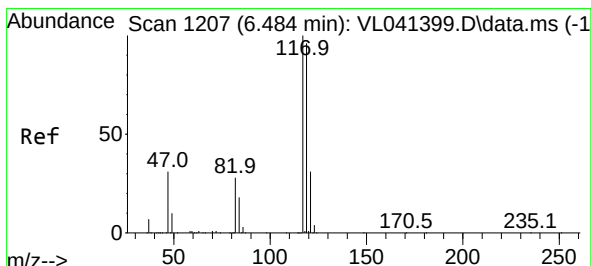
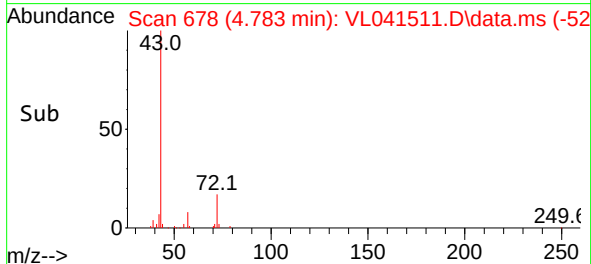
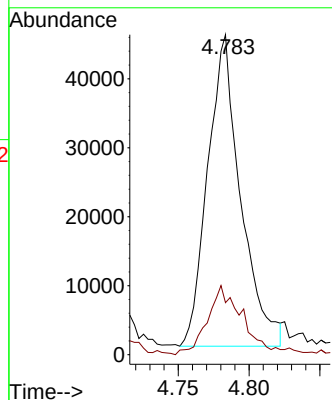
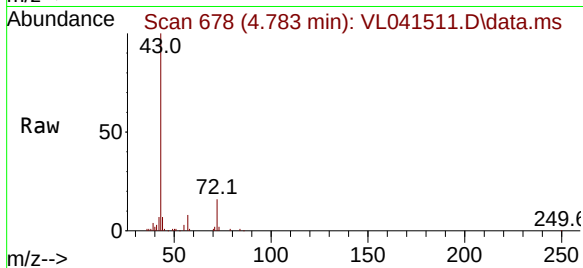
#34
2-Butanone
Concen: 0.657 ppbv
RT: 4.783 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

Instrument :
MSVOA_L
ClientSampleId :
B-CS

Tgt Ion: 43 Resp: 7295
Ion Ratio Lower Upper
43 100
72 24.4 17.3 25.9

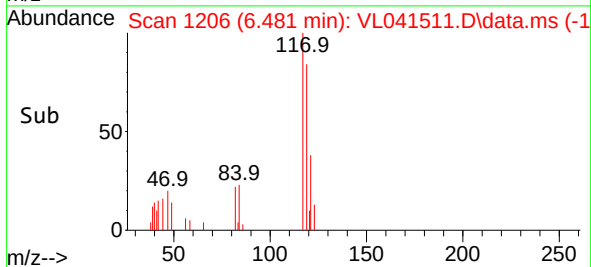
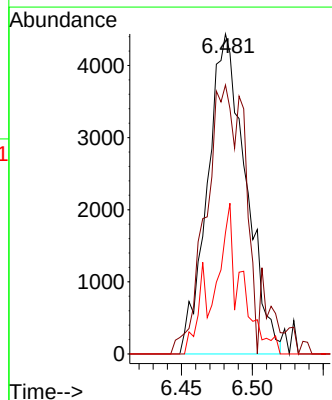
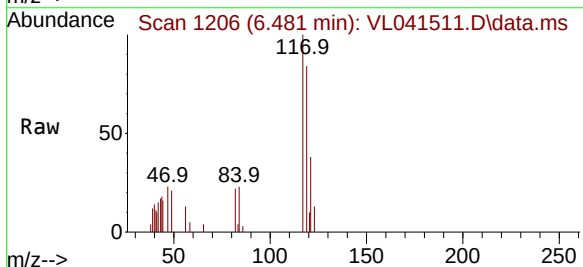
Manual Integrations
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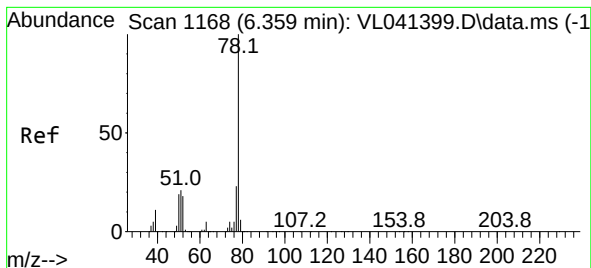
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#35
Carbon Tetrachloride
Concen: 0.066 ppbv
RT: 6.481 min Scan# 1206
Delta R.T. -0.010 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

Tgt Ion:117 Resp: 8350
Ion Ratio Lower Upper
117 100
119 78.9 76.6 115.0
121 37.9 25.1 37.7#





#36

Benzene

Concen: 0.226 ppbv m

RT: 6.356 min Scan# 1167

Delta R.T. -0.013 min

Lab File: VL041511.D

Acq: 8 Aug 2024 13:45

Instrument :

MSVOA_L

ClientSampleId :

B-CS

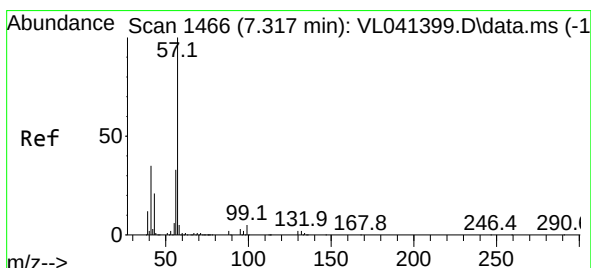
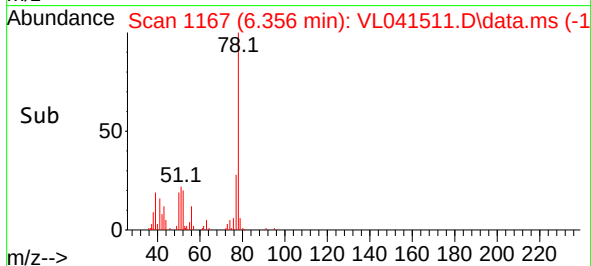
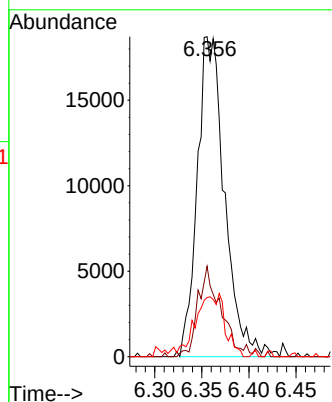
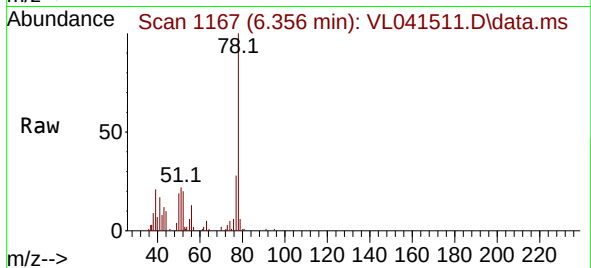
Tgt Ion: 78	Resp: 3788
Ion Ratio	Lower Upper
78 100	
77 28.3	18.1 27.1
50 18.5	15.5 23.3

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: 0.109 ppbv m

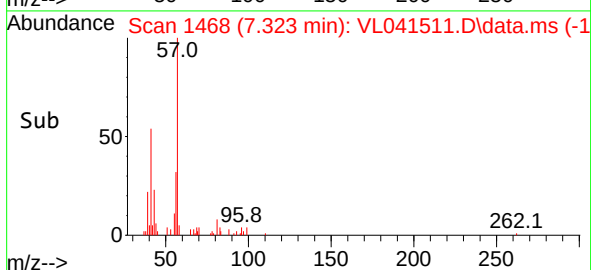
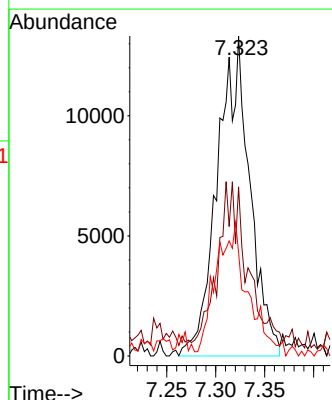
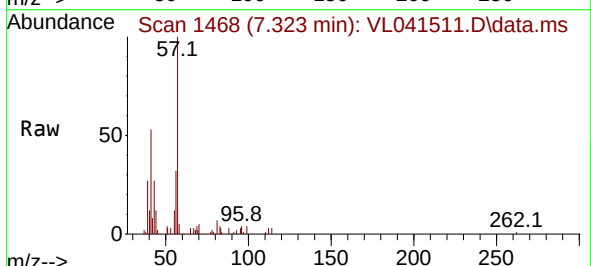
RT: 7.323 min Scan# 1468

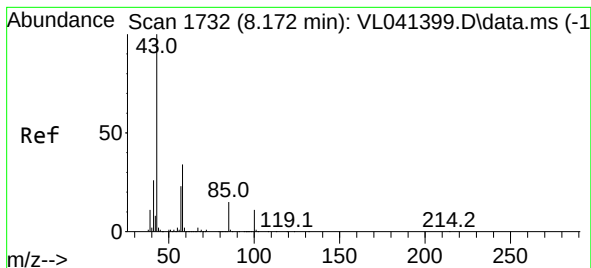
Delta R.T. 0.003 min

Lab File: VL041511.D

Acq: 8 Aug 2024 13:45

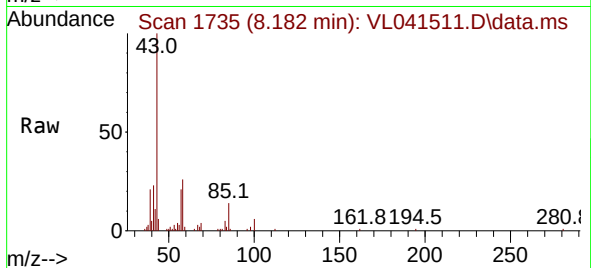
Tgt Ion: 57	Resp: 30684
Ion Ratio	Lower Upper
57 100	
41 0.0	27.0 40.6#
56 0.0	25.2 37.8#





#50
4-Methyl-2-Pentanone
Concen: 0.401 ppbv m
RT: 8.182 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

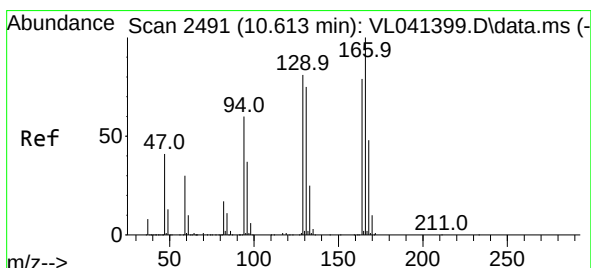
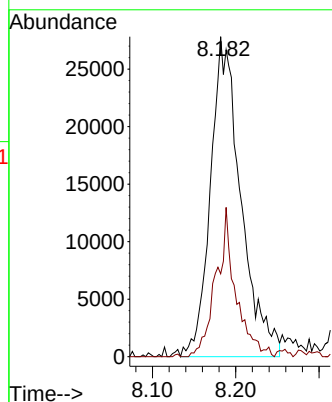
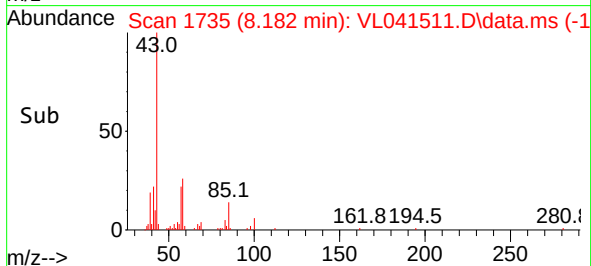
Instrument :
MSVOA_L
ClientSampleId :
B-CS



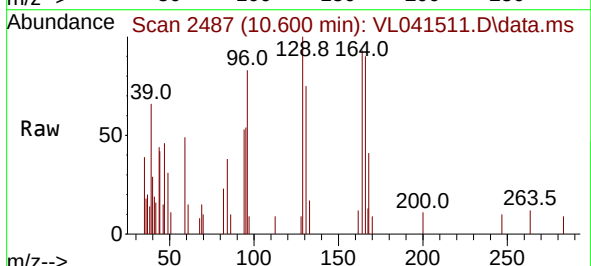
Tgt Ion: 43 Resp: 70379
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9

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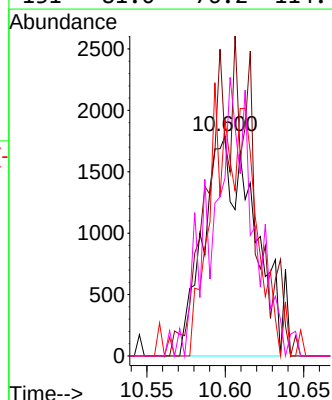
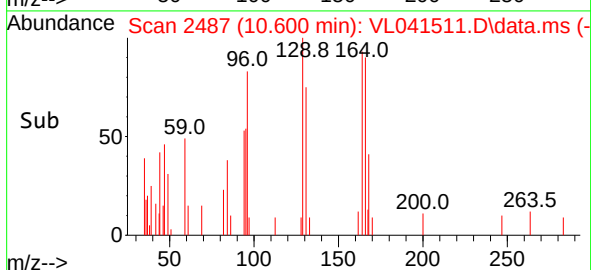
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024

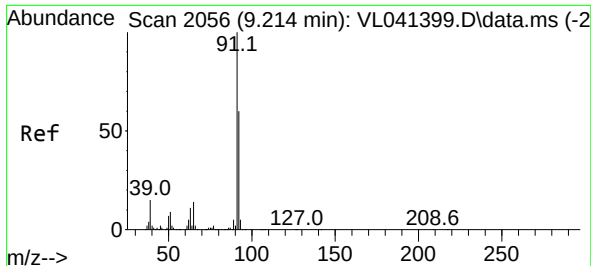


#52
Tetrachloroethene
Concen: 0.061 ppbv m
RT: 10.600 min Scan# 2487
Delta R.T. -0.013 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45



Tgt Ion:164 Resp: 3960
Ion Ratio Lower Upper
164 100
166 97.3 101.1 151.7#
129 107.7 81.7 122.5
131 81.0 76.2 114.4





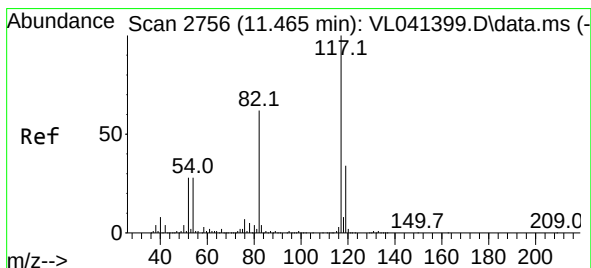
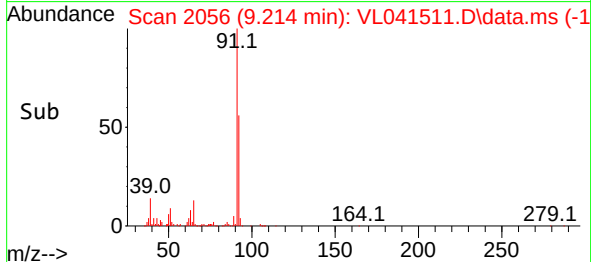
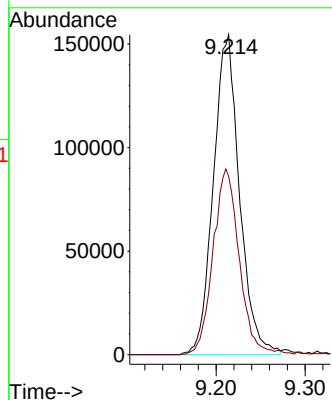
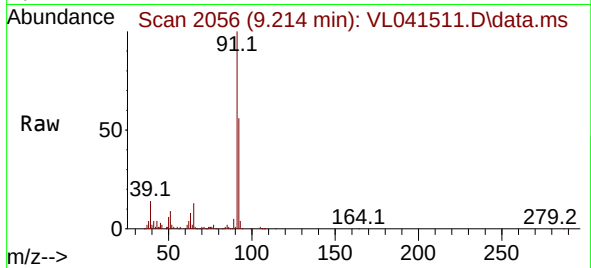
#53
Toluene
Concen: 1.684 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. -0.003 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

Instrument :
MSVOA_L
ClientSampleId :
B-CS

Tgt Ion: 91 Resp: 31488
Ion Ratio Lower Upper
91 100
92 58.5 48.7 73.1

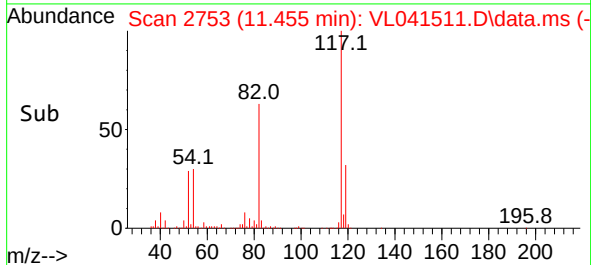
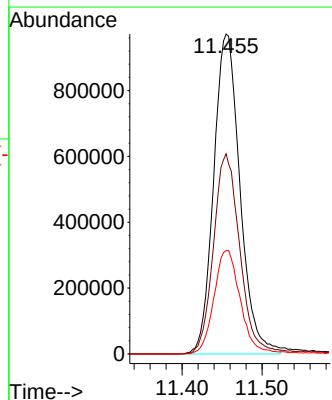
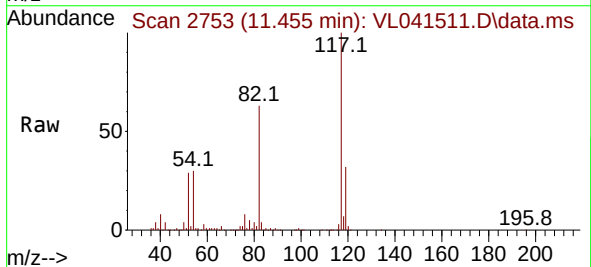
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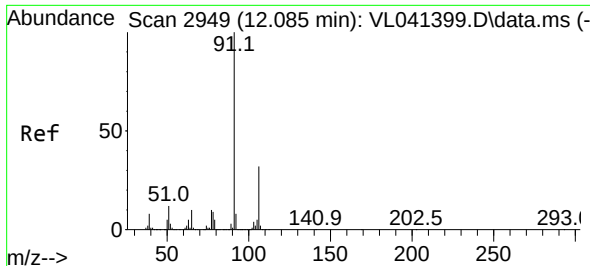
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. -0.006 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

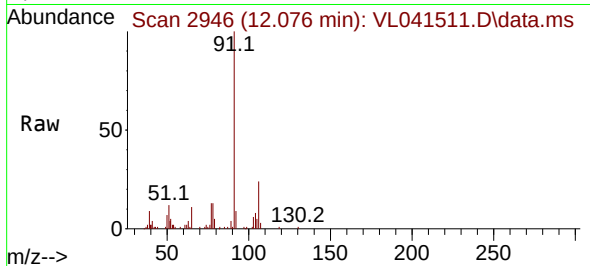
Tgt Ion:117 Resp: 2220803
Ion Ratio Lower Upper
117 100
82 64.1 51.0 76.6
119 33.3 45.2 67.8#





#58
Ethyl Benzene
Concen: 0.314 ppbv m
RT: 12.076 min Scan# 2949
Delta R.T. -0.010 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

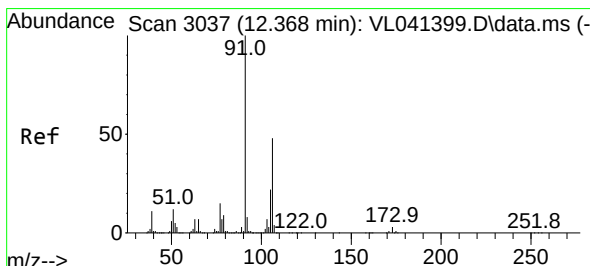
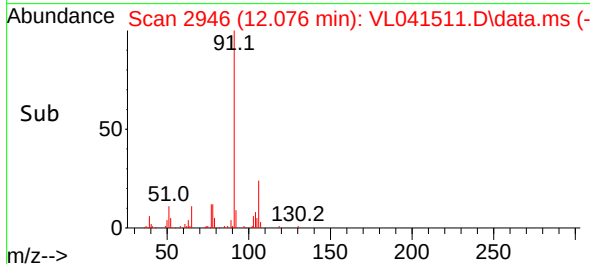
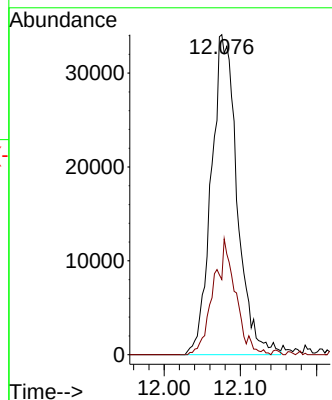
Instrument :
MSVOA_L
ClientSampleId :
B-CS



Tgt Ion: 91 Resp: 8049
Ion Ratio Lower Upper
91 100
106 23.5 25.8 38.8

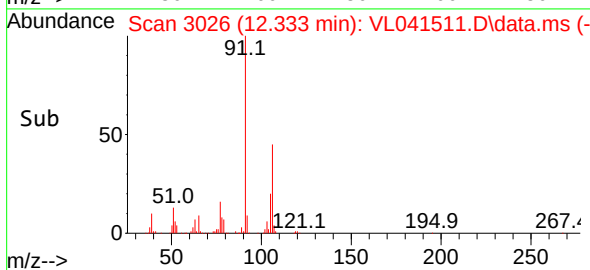
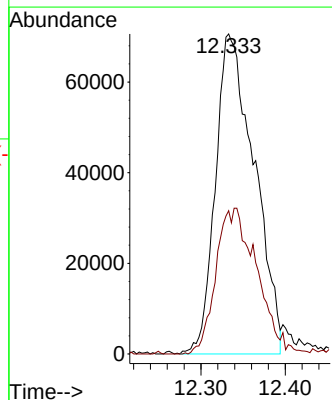
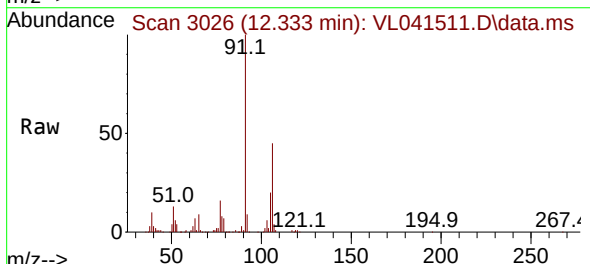
Manual Integrations
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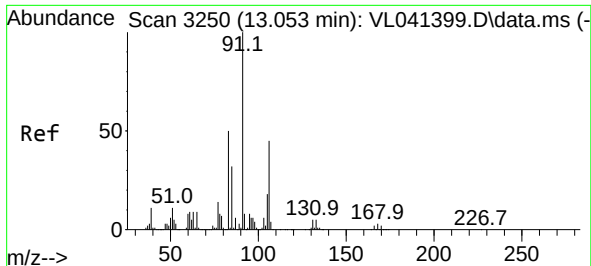
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#59
m/p-Xylene
Concen: 1.020 ppbv
RT: 12.333 min Scan# 3026
Delta R.T. -0.035 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

Tgt Ion: 91 Resp: 225425
Ion Ratio Lower Upper
91 100
106 48.4 36.3 54.5





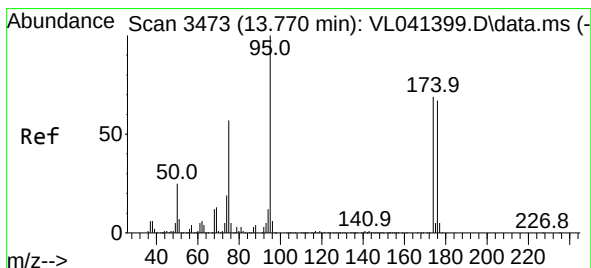
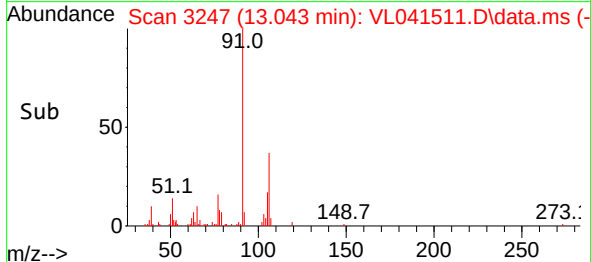
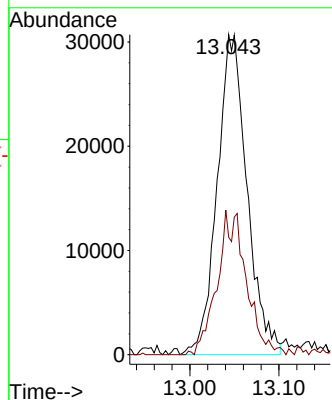
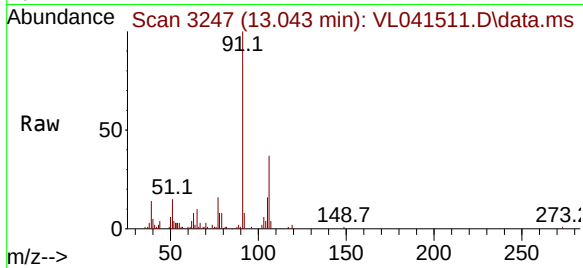
#60
o-Xylene
Concen: 0.343 ppbv
RT: 13.043 min Scan# 31
Delta R.T. -0.010 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

Instrument :
MSVOA_L
ClientSampleId :
B-CS

Tgt Ion: 91 Resp: 71629
Ion Ratio Lower Upper
91 100
106 43.9 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: 9.430 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. -0.003 min
Lab File: VL041511.D
Acq: 8 Aug 2024 13:45

Tgt Ion: 95 Resp: 1611547
Ion Ratio Lower Upper
95 100
174 71.9 56.3 84.5
175 5.2 4.0 6.0

