

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042524\
 Data File : VL041171.D
 Acq On : 25 Apr 2024 15:14
 Operator : SY/MD
 Sample : P2253-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/26/2024
 Supervised By : Mahesh Dadoda 04/26/2024

Quant Time: Apr 26 03:13:49 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

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

QLast Update : Fri Apr 26 03:09:28 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1206839	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3228870	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2848637	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	2184830	9.538	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.735	85	70714	0.343	ppbv	94
3) Chlorodifluoromethane	2.681	51	89115	0.479	ppbv #	84
4) Chloromethane	2.819	50	38855	0.552	ppbv	89
9) Propene	2.709	41	167918m	2.840	ppbv	
10) Heptane	7.568	43	43203m	0.308	ppbv	
11) Trichlorofluoromethane	3.562	101	41115	0.220	ppbv	96
13) Ethanol	3.240	45	454174	32.292	ppbv	100
15) Acetone	3.468	43	489968	3.750	ppbv #	79
19) Isopropyl Alcohol	3.581	45	270854	3.412	ppbv	99
20) Methylene Chloride	3.928	84	2559013	47.481	ppbv	95
26) Hexane	5.201	57	2561783	23.265	ppbv #	39
30) Cyclohexane	6.590	84	31379m	0.350	ppbv	
34) 2-Butanone	4.787	43	39207	0.287	ppbv	92
35) Carbon Tetrachloride	6.481	117	11542m	0.063	ppbv	
36) Benzene	6.352	78	161310	0.680	ppbv #	89
44) 2,2,4-Trimethylpentane	7.307	57	226559	0.577	ppbv	92
52) Tetrachloroethene	10.587	164	7657m	0.101	ppbv	
53) Toluene	9.198	91	328808m	1.317	ppbv	
58) Ethyl Benzene	12.069	91	56365m	0.181	ppbv	
59) m/p-Xylene	12.323	91	174681m	0.620	ppbv	
60) o-Xylene	13.034	91	66754m	0.250	ppbv	
74) 1,2,4-Trimethylbenzene	16.079	105	85637m	0.285	ppbv	

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

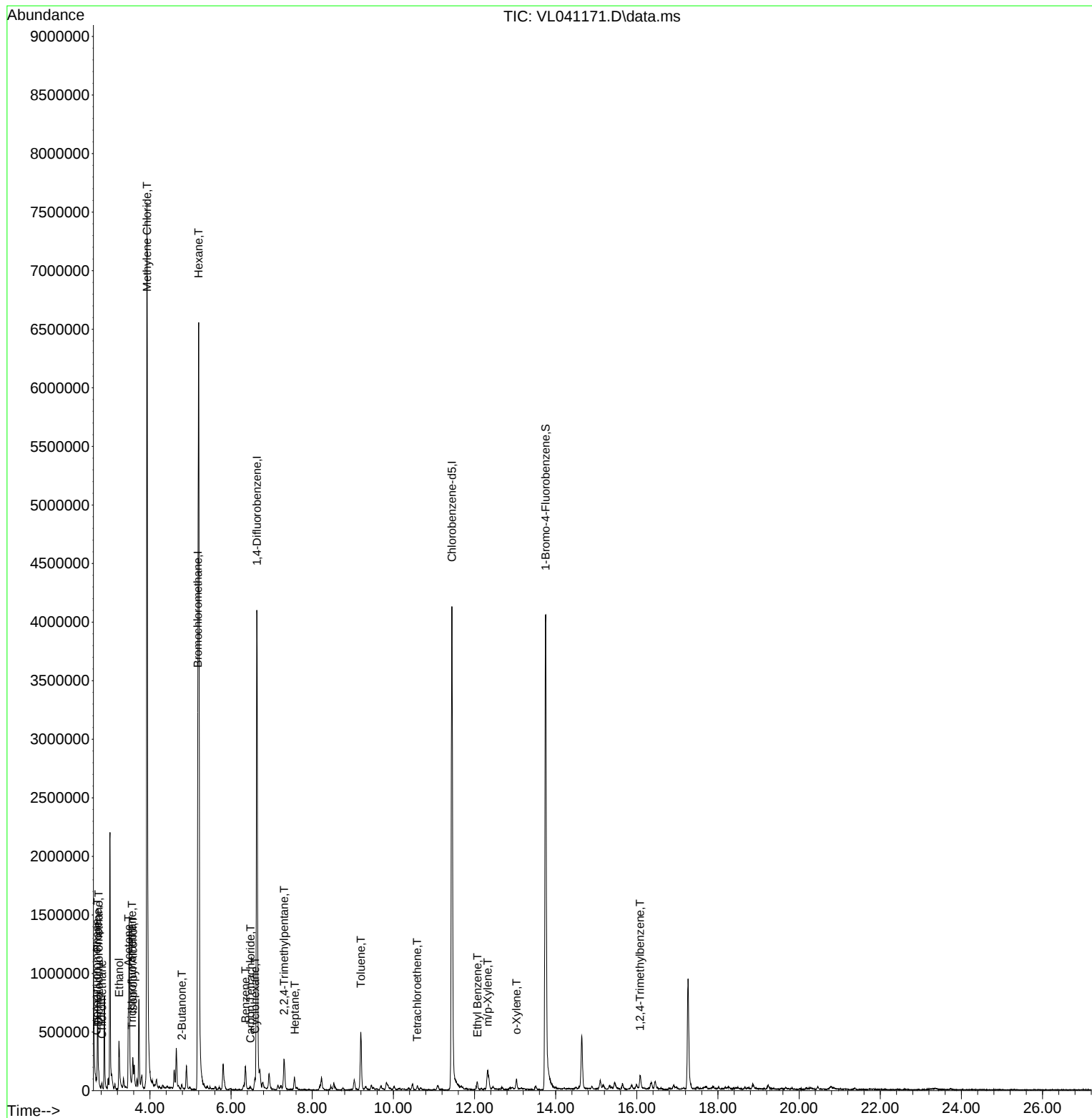
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042524\
Data File : VL041171.D
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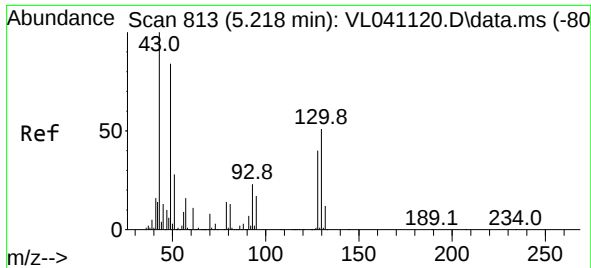
Instrument :
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Quant Time: Apr 26 03:13:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 26 03:09:28 2024
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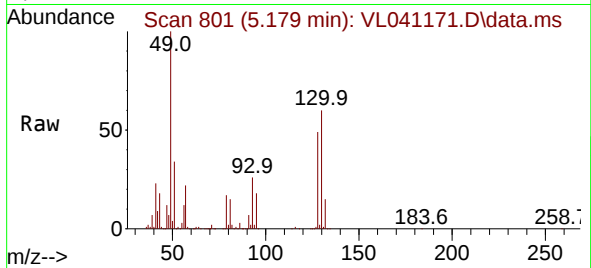
Reviewed By : Semsettin Yesilyurt 04/26/2024
Supervised By : Mahesh Dadoda 04/26/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14

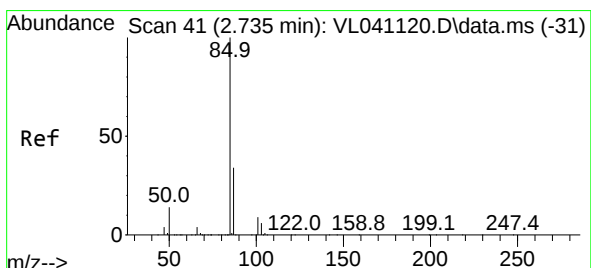
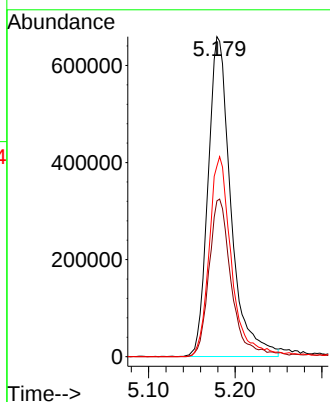
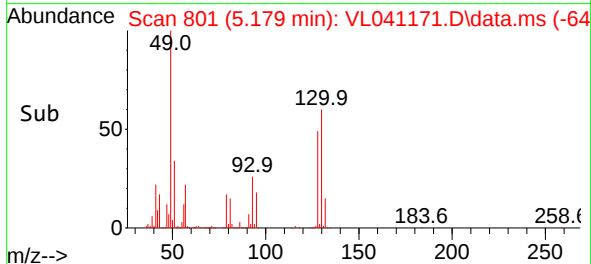
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 1206839
Ion Ratio Lower Upper
49 100
128 49.5 23.6 71.0
130 62.5 30.1 90.5

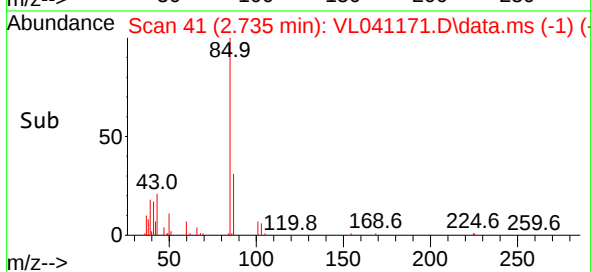
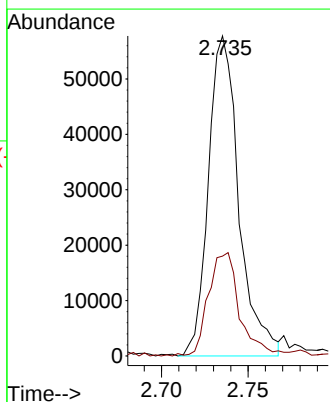
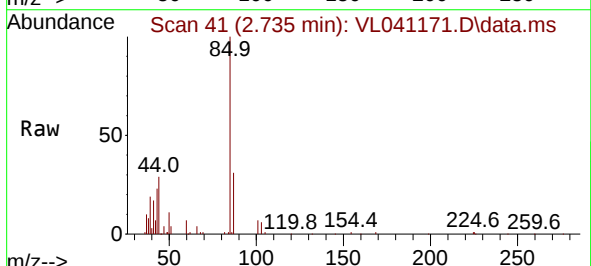
Manual Integrations
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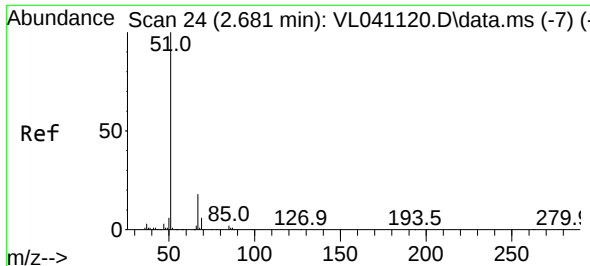
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#2
Dichlorodifluoromethane
Concen: 0.343 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14

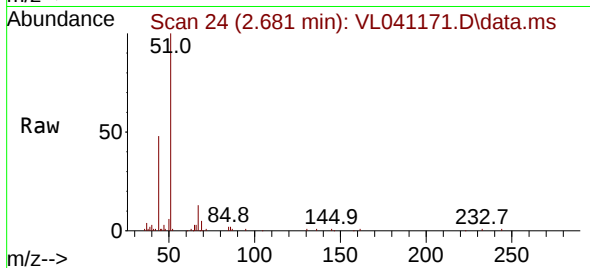
Tgt Ion: 85 Resp: 70714
Ion Ratio Lower Upper
85 100
87 30.5 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.479 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.006 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14

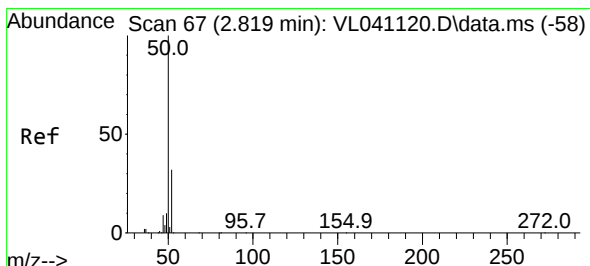
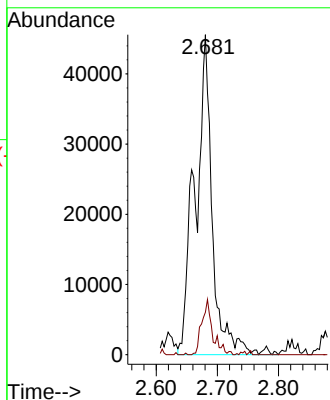
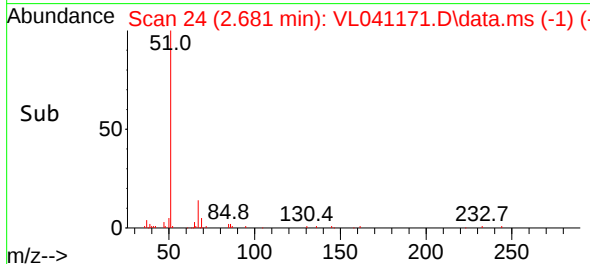
Instrument :
MSVOA_L
ClientSampleId :
IA1



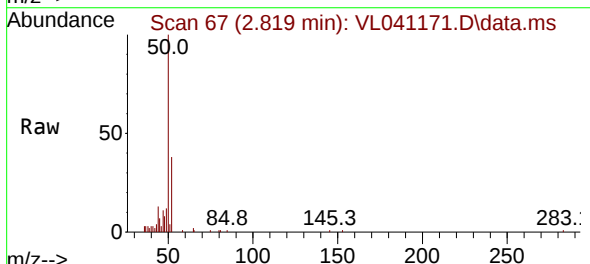
Tgt Ion: 51 Resp: 89115
Ion Ratio Lower Upper
51 100
67 11.4 14.9 22.3

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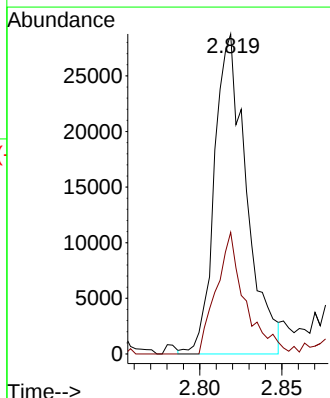
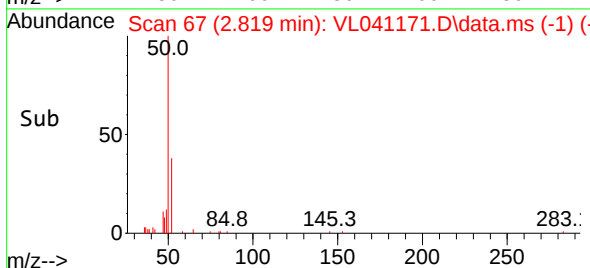
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024

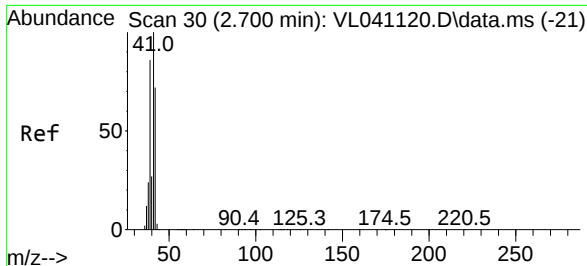


#4
Chloromethane
Concen: 0.552 ppbv
RT: 2.819 min Scan# 67
Delta R.T. 0.010 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14



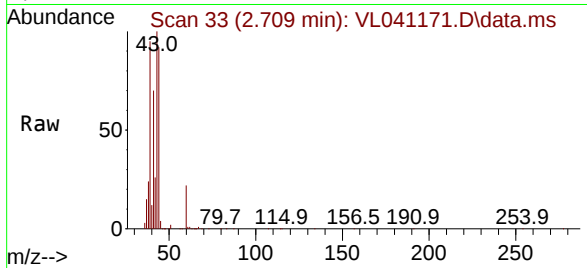
Tgt Ion: 50 Resp: 38855
Ion Ratio Lower Upper
50 100
52 38.7 26.0 39.0





#9
 Propene
 Concen: 2.840 ppbv m
 RT: 2.709 min Scan# 30
 Delta R.T. 0.016 min
 Lab File: VL041171.D
 Acq: 25 Apr 2024 15:14

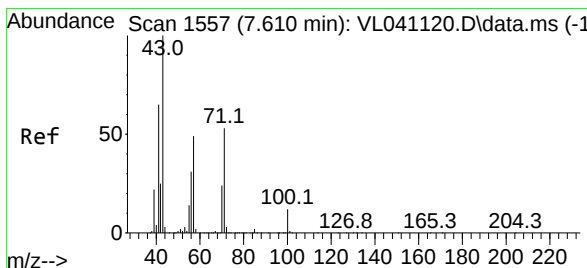
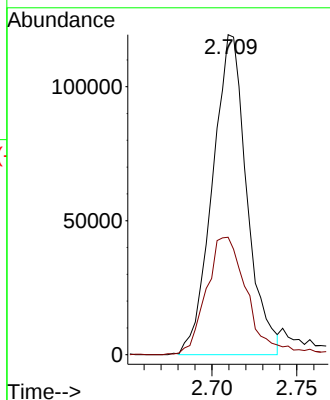
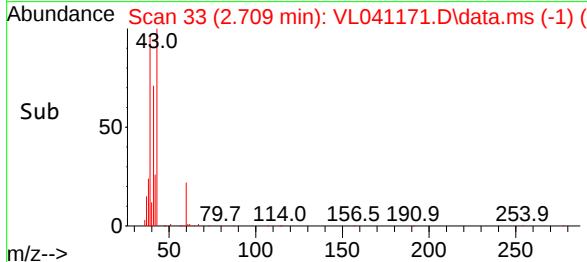
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion: 41 Resp: 167918
 Ion Ratio Lower Upper
 41 100
 42 82.6 60.1 90.1

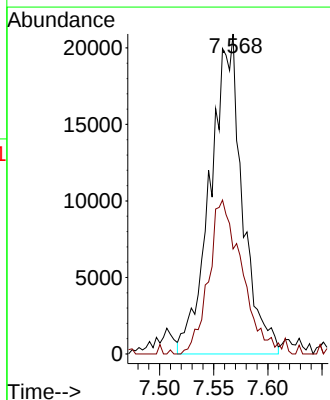
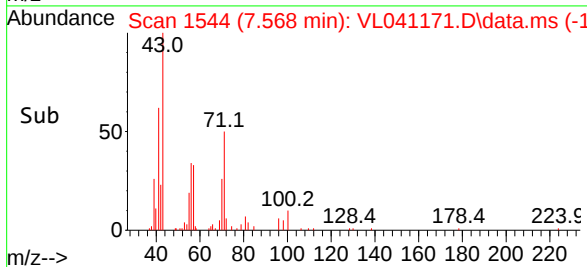
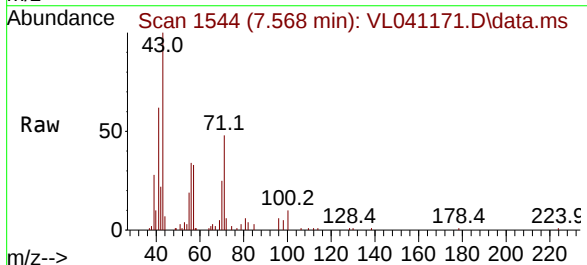
Manual Integrations
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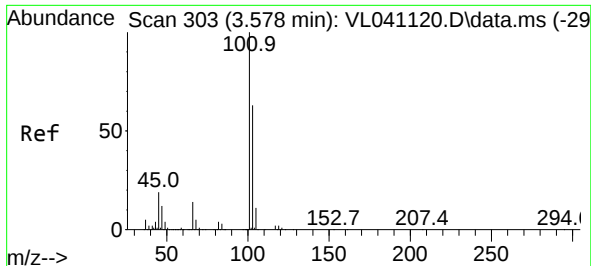
Reviewed By :Semsettin Yesilyurt 04/26/2024
 Supervised By :Mahesh Dadoda 04/26/2024



#10
 Heptane
 Concen: 0.308 ppbv m
 RT: 7.568 min Scan# 1544
 Delta R.T. 0.010 min
 Lab File: VL041171.D
 Acq: 25 Apr 2024 15:14

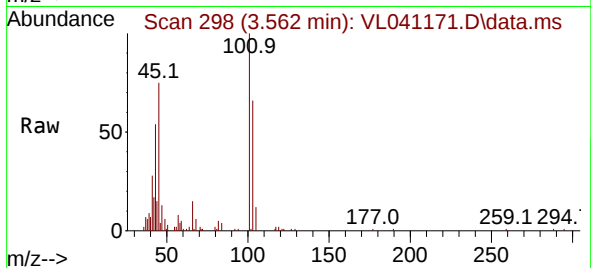
Tgt Ion: 43 Resp: 43203
 Ion Ratio Lower Upper
 43 100
 57 50.5 39.9 59.9





#11
Trichlorofluoromethane
Concen: 0.220 ppbv
RT: 3.562 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14

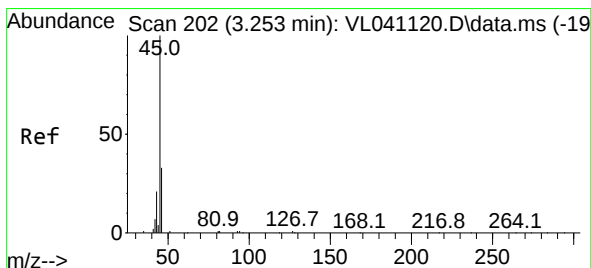
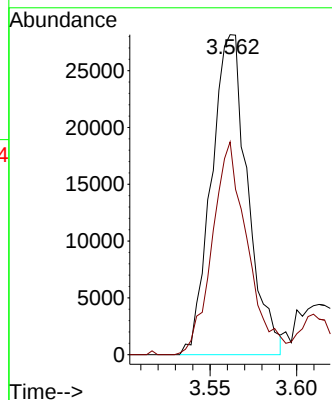
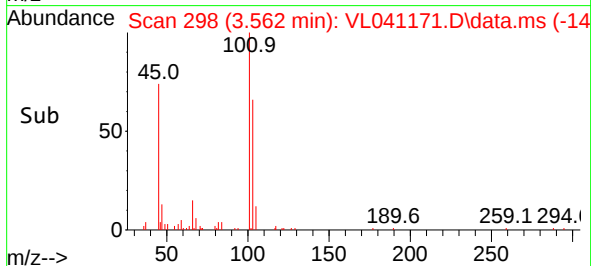
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:101 Resp: 4111
Ion Ratio Lower Upper
101 100
103 65.9 50.6 75.8

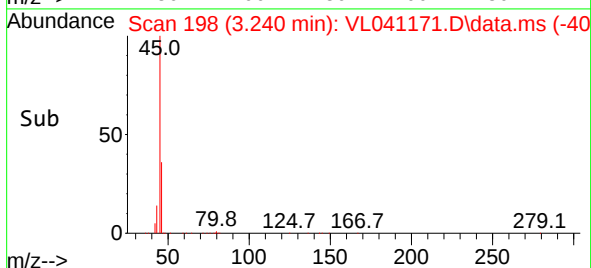
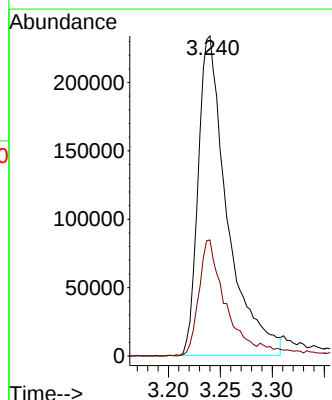
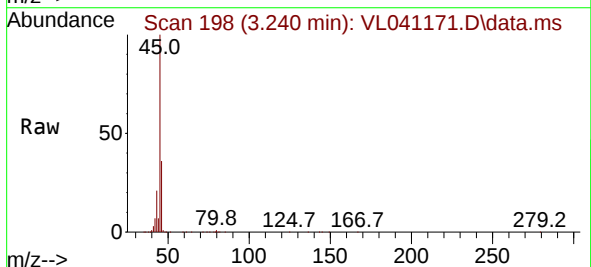
Manual Integrations
APPROVED

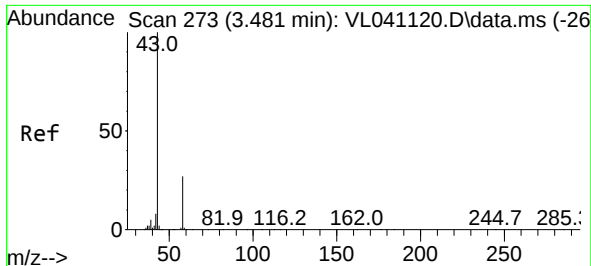
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#13
Ethanol
Concen: 32.292 ppbv
RT: 3.240 min Scan# 198
Delta R.T. 0.006 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14

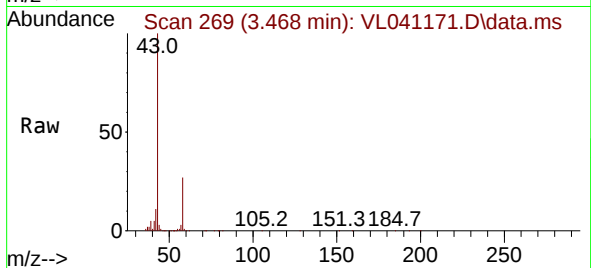
Tgt Ion: 45 Resp: 454174
Ion Ratio Lower Upper
45 100
46 37.7 15.0 59.8





#15
Acetone
Concen: 3.750 ppbv
RT: 3.468 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14

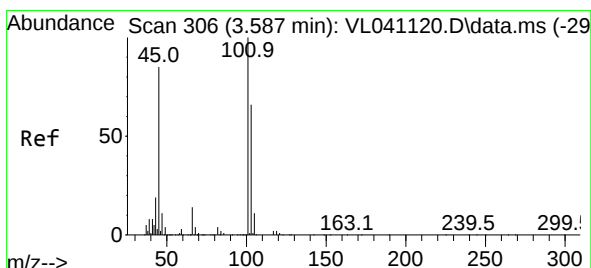
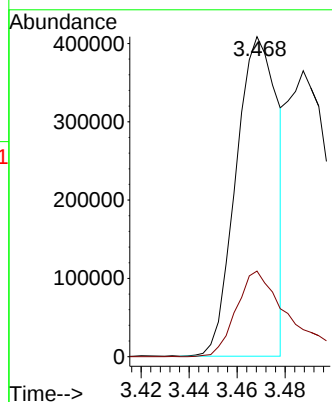
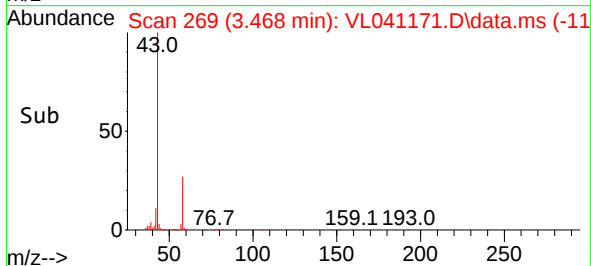
Instrument :
MSVOA_L
ClientSampleId :
IA1



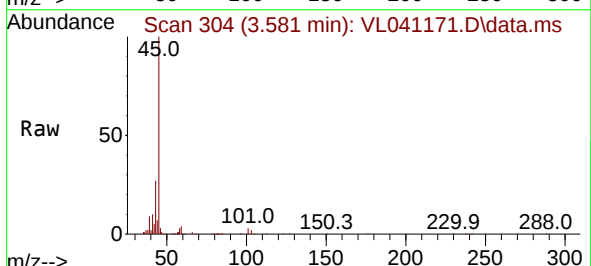
Tgt Ion: 43 Resp: 489968
Ion Ratio Lower Upper
43 100
58 37.0 21.1 31.7

Manual Integrations
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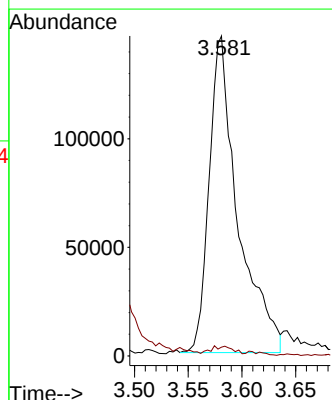
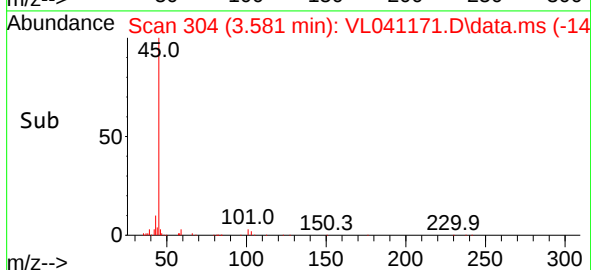
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024

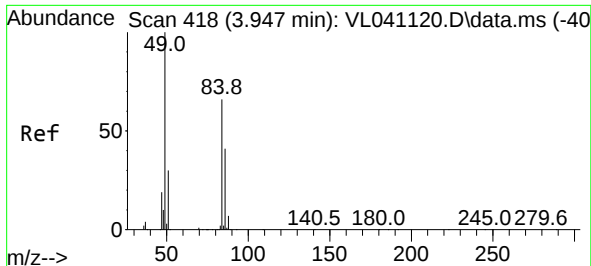


#19
Isopropyl Alcohol
Concen: 3.412 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.013 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14



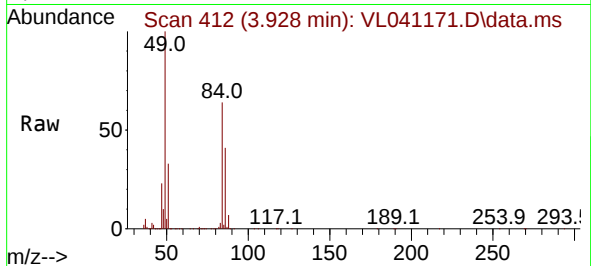
Tgt Ion: 45 Resp: 270854
Ion Ratio Lower Upper
45 100
58 3.7 2.8 4.2





#20
Methylene Chloride
Concen: 47.481 ppbv
RT: 3.928 min Scan# 418
Delta R.T. 0.003 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14

Instrument :
MSVOA_L
ClientSampleId :
IA1

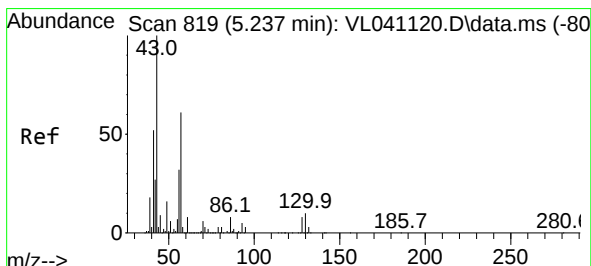
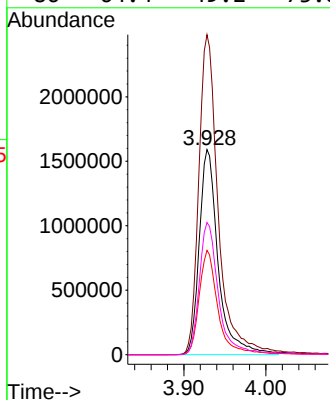
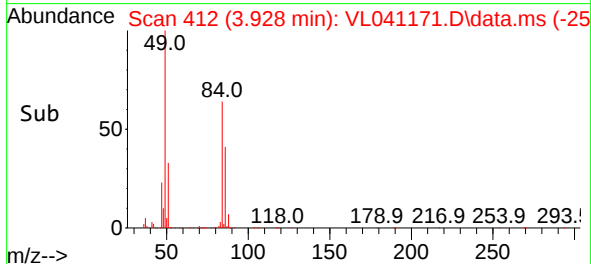


Tgt Ion: 84 Resp: 255901

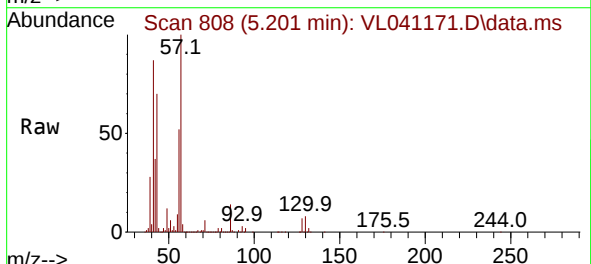
Ion	Ratio	Lower	Upper
84	100		
49	155.9	120.7	181.1
51	50.7	36.6	54.8
86	64.4	49.2	73.8

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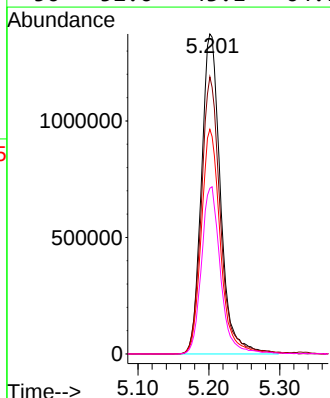
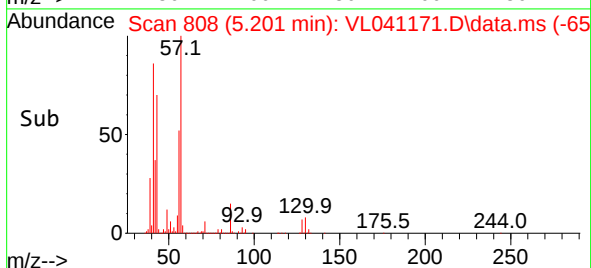


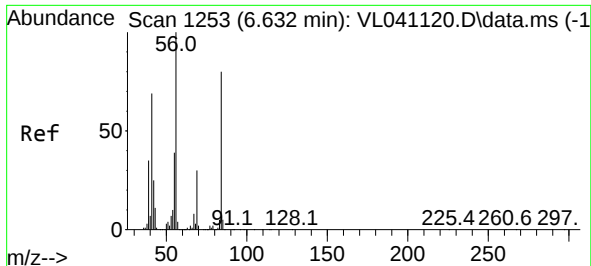
#26
Hexane
Concen: 23.265 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.006 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14



Tgt Ion: 57 Resp: 2561783

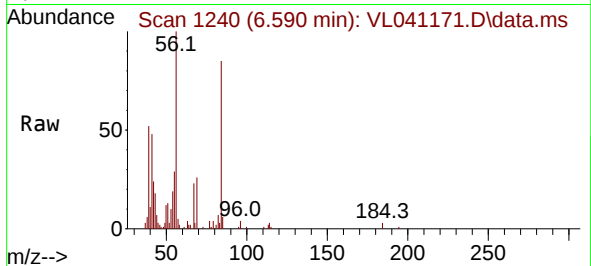
Ion	Ratio	Lower	Upper
57	100		
41	87.1	73.8	110.8
43	70.6	186.2	279.2#
56	52.6	43.1	64.7





#30
Cyclohexane
Concen: 0.350 ppbv
RT: 6.590 min Scan# 1253
Delta R.T. 0.010 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14

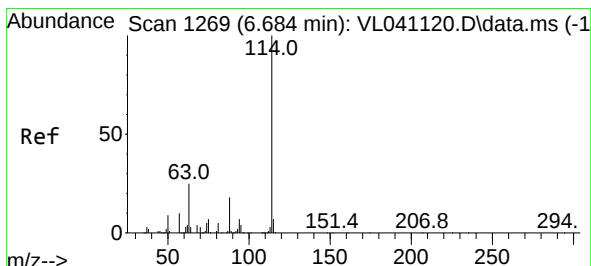
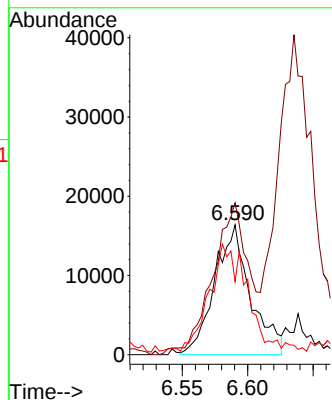
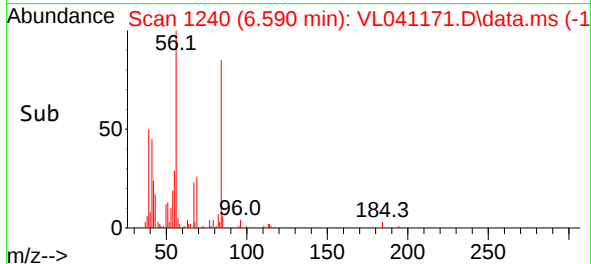
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 84 Resp: 31379
Ion Ratio Lower Upper
84 100
56 0.0 111.9 167.9
41 96.1 71.0 106.6

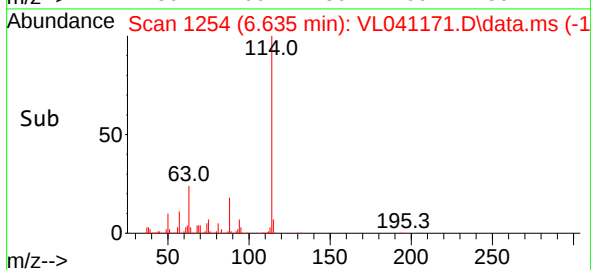
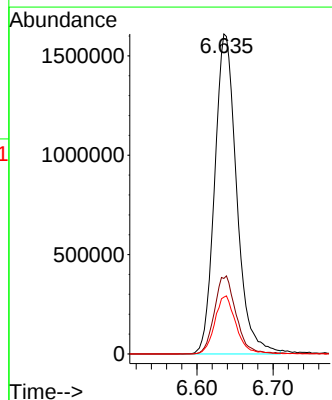
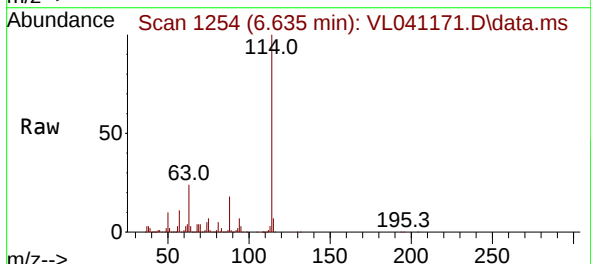
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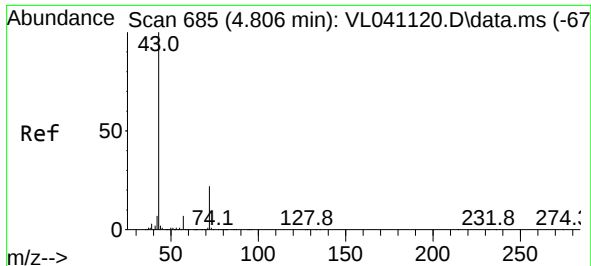
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.635 min Scan# 1254
Delta R.T. -0.000 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14

Tgt Ion:114 Resp: 3228870
Ion Ratio Lower Upper
114 100
63 24.4 20.9 31.3
88 17.7 14.5 21.7





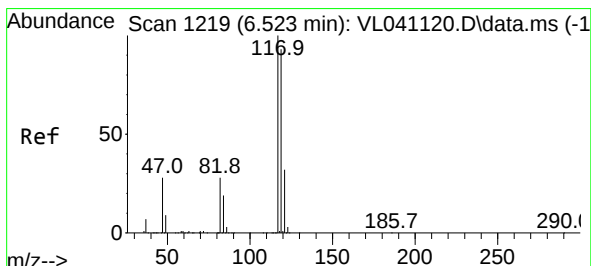
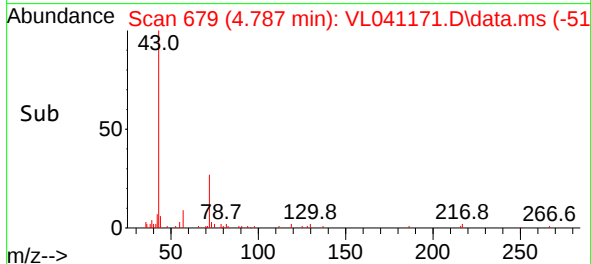
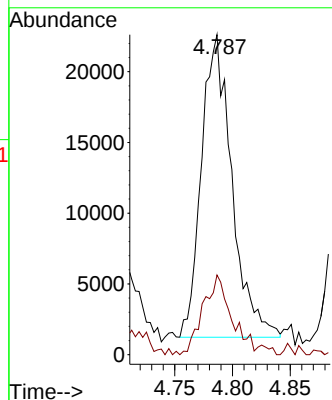
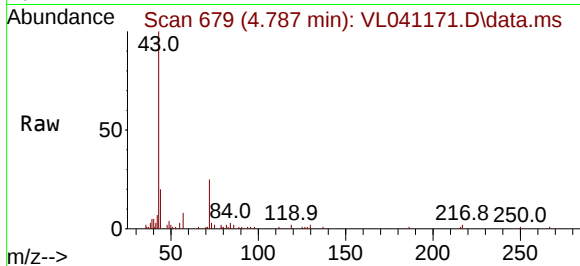
#34
2-Butanone
Concen: 0.287 ppbv
RT: 4.787 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 3920
Ion Ratio Lower Upper
43 100
72 26.0 17.6 26.4

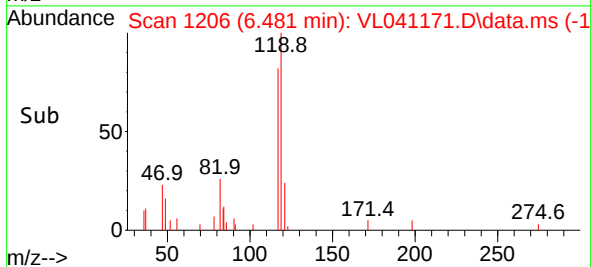
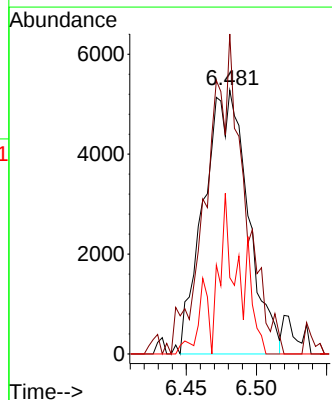
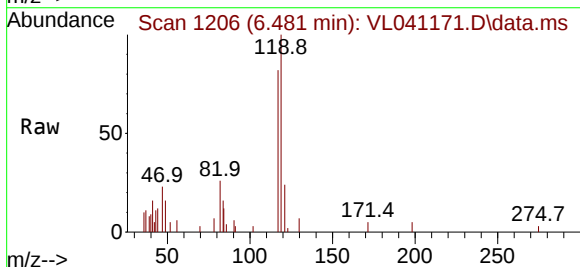
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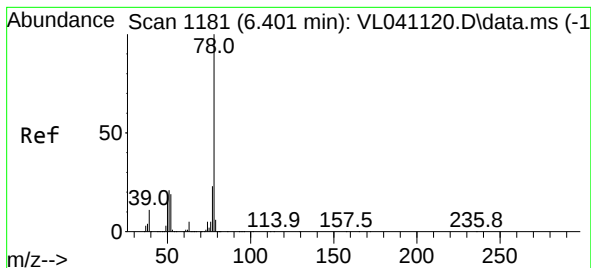
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#35
Carbon Tetrachloride
Concen: 0.063 ppbv m
RT: 6.481 min Scan# 1206
Delta R.T. 0.006 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14

Tgt Ion:117 Resp: 11542
Ion Ratio Lower Upper
117 100
119 121.3 74.2 111.4#
121 28.9 25.4 38.2





#36

Benzene

Concen: 0.680 ppbv

RT: 6.352 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VL041171.D

Acq: 25 Apr 2024 15:14

Instrument :

MSVOA_L

ClientSampleId :

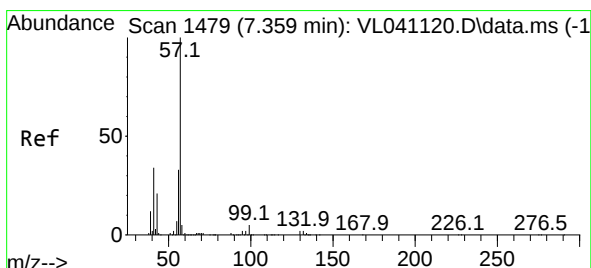
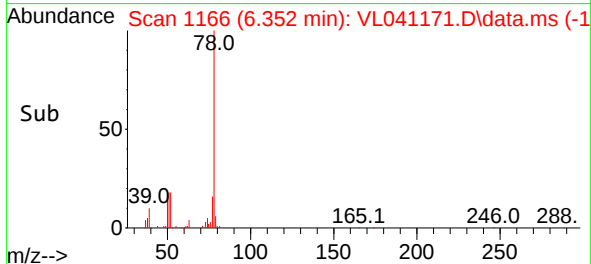
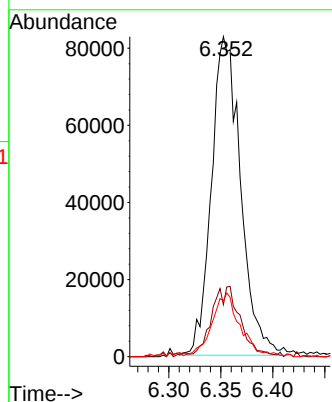
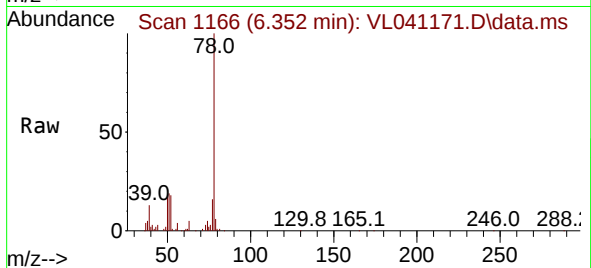
IA1

Tgt Ion: 78	Resp: 161310
Ion Ratio	Lower Upper
78 100	
77 15.4	18.2 27.4
50 17.1	15.4 23.2

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Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#44

2,2,4-Trimethylpentane

Concen: 0.577 ppbv

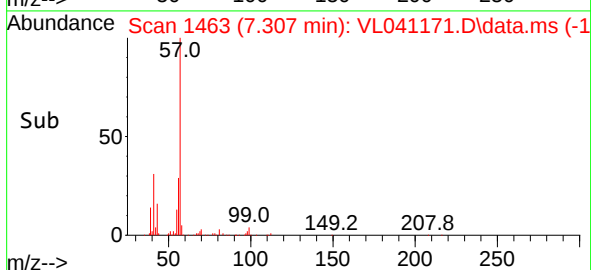
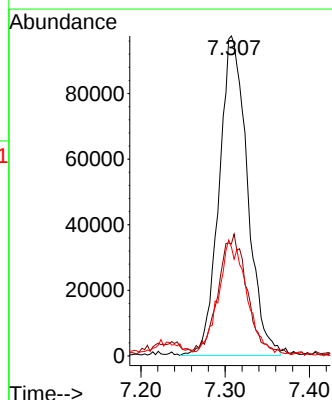
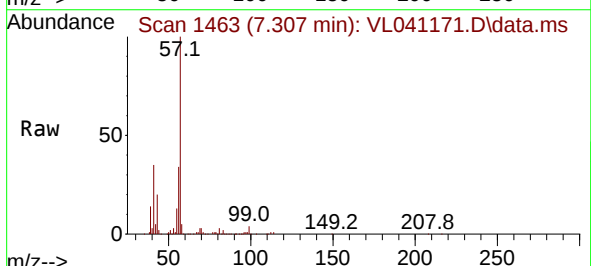
RT: 7.307 min Scan# 1463

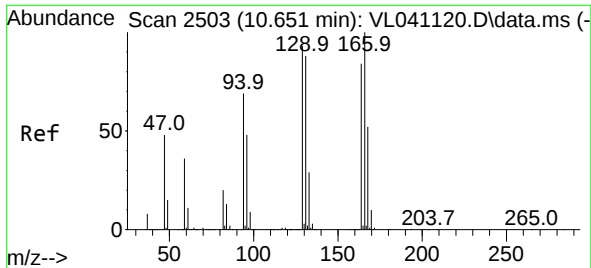
Delta R.T. 0.003 min

Lab File: VL041171.D

Acq: 25 Apr 2024 15:14

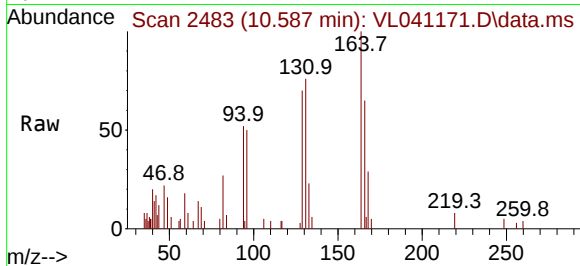
Tgt Ion: 57	Resp: 226559
Ion Ratio	Lower Upper
57 100	
41 38.5	28.2 42.2
56 37.3	25.2 37.8





#52
Tetrachloroethene
Concen: 0.101 ppbv m
RT: 10.587 min Scan# 2483
Delta R.T. -0.003 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14

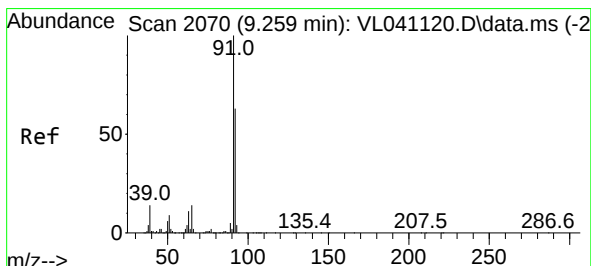
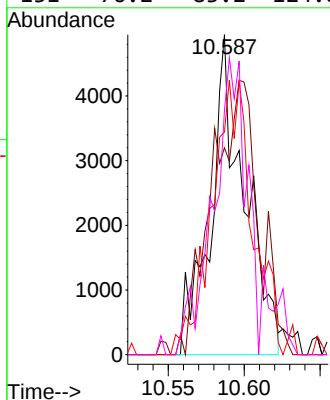
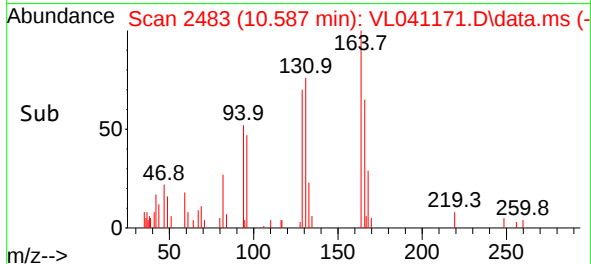
Instrument : MSVOA_L
ClientSampleId : IA1



Tgt Ion:164 Resp: 765
Ion Ratio Lower Upper
164 100
166 64.7 95.0 142.6
129 69.6 88.7 133.1
131 76.2 83.2 124.8

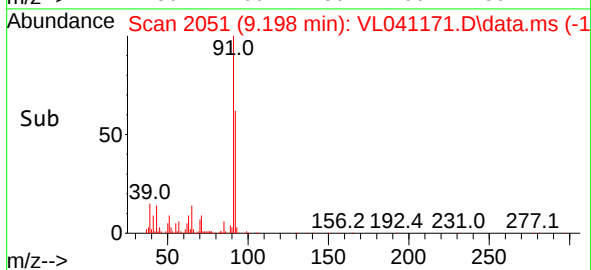
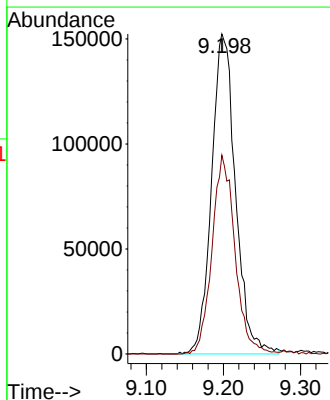
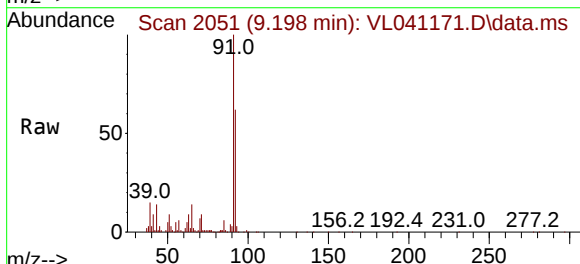
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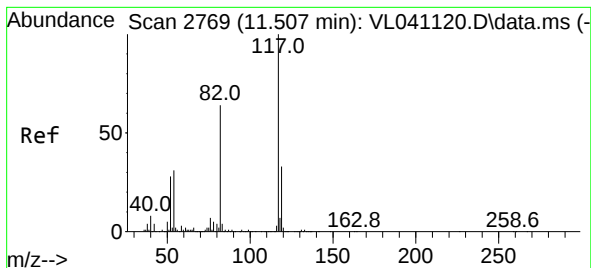
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#53
Toluene
Concen: 1.317 ppbv m
RT: 9.198 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14

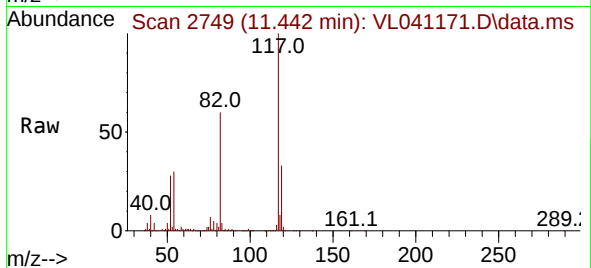
Tgt Ion: 91 Resp: 328808
Ion Ratio Lower Upper
91 100
92 59.6 49.0 73.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14

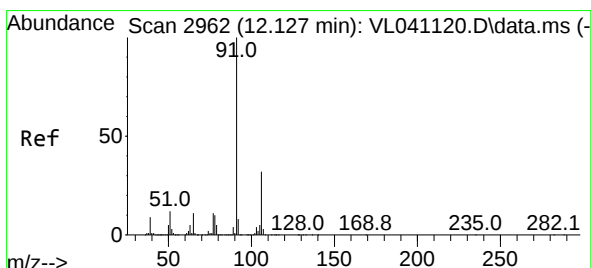
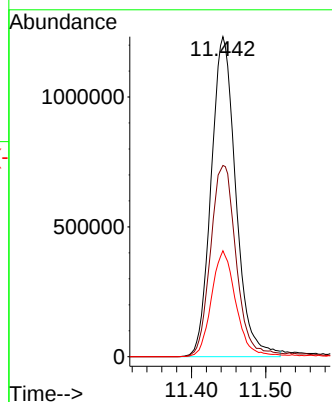
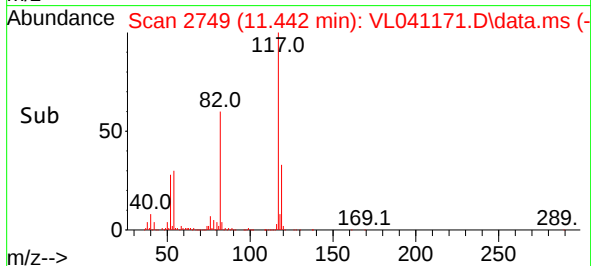
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:117 Resp: 284863
Ion Ratio Lower Upper
117 100
82 63.6 51.0 76.6
119 33.6 25.2 37.8

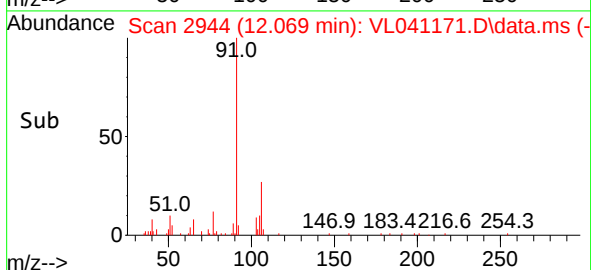
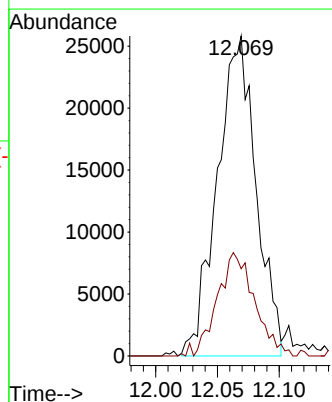
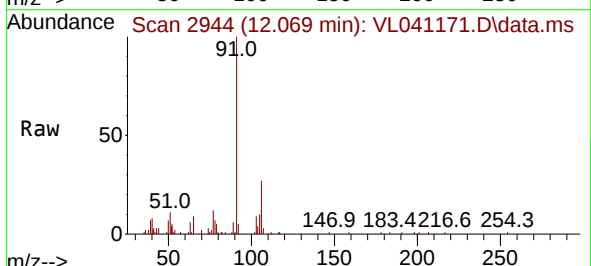
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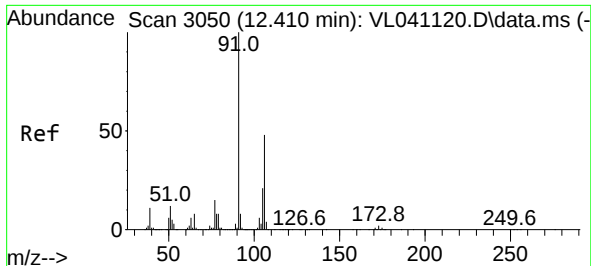
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#58
Ethyl Benzene
Concen: 0.181 ppbv m
RT: 12.069 min Scan# 2944
Delta R.T. 0.006 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14

Tgt Ion: 91 Resp: 56365
Ion Ratio Lower Upper
91 100
106 27.3 25.6 38.4





#59

m/p-Xylene

Concen: 0.620 ppbv m

RT: 12.323 min Scan# 3050

Delta R.T. -0.026 min

Lab File: VL041171.D

Acq: 25 Apr 2024 15:14

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 91 Resp: 17468

Ion Ratio Lower Upper

91 100

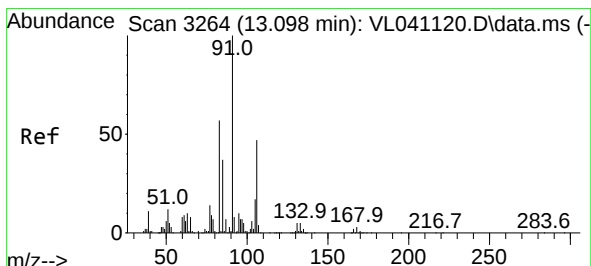
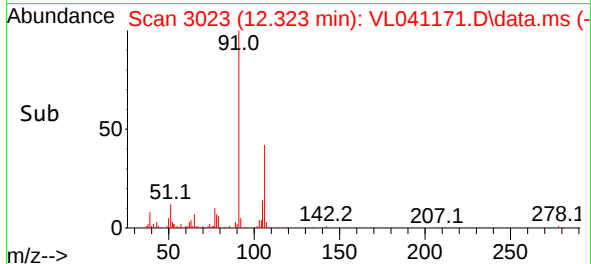
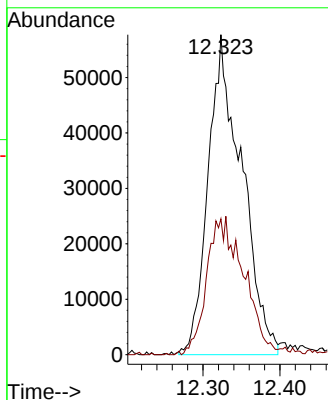
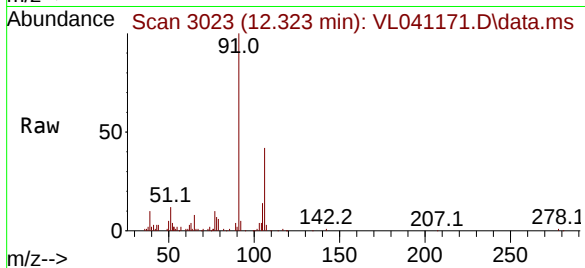
106 0.0 35.4 53.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/26/2024

Supervised By :Mahesh Dadoda 04/26/2024



#60

o-Xylene

Concen: 0.250 ppbv m

RT: 13.034 min Scan# 3244

Delta R.T. -0.000 min

Lab File: VL041171.D

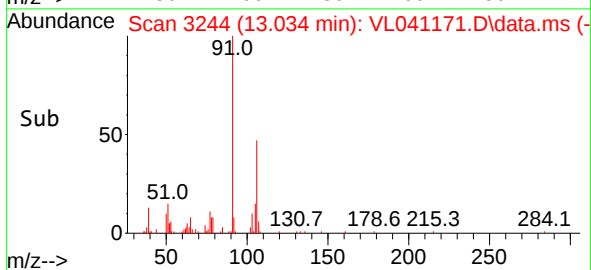
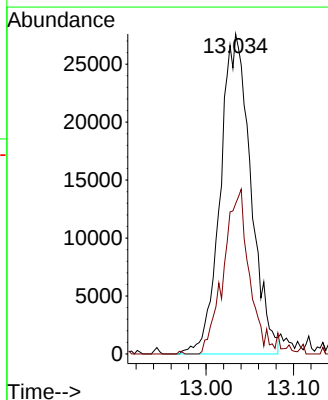
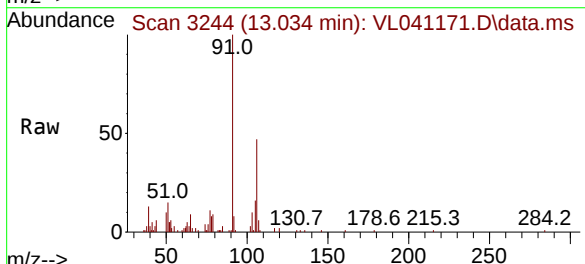
Acq: 25 Apr 2024 15:14

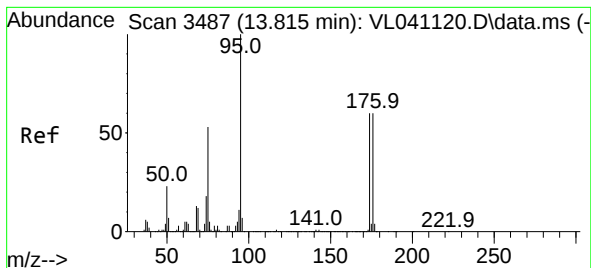
Tgt Ion: 91 Resp: 66754

Ion Ratio Lower Upper

91 100

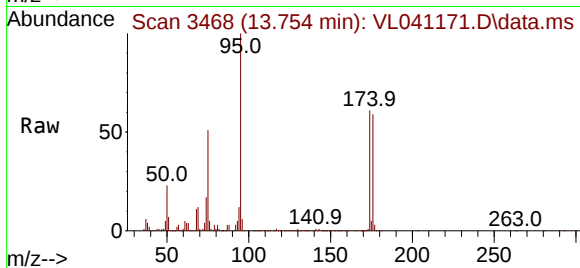
106 45.1 22.9 68.5





#68
1-Bromo-4-Fluorobenzene
Concen: 9.538 ppbv
RT: 13.754 min Scan# 3487
Delta R.T. 0.006 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14

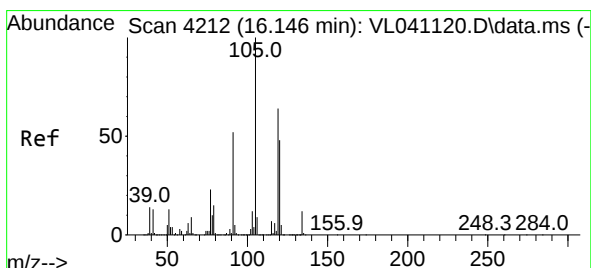
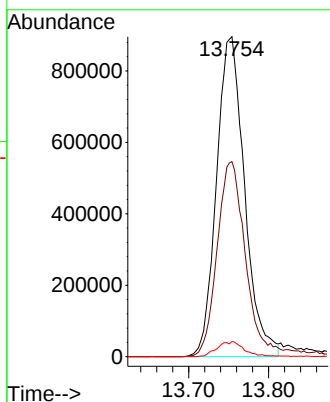
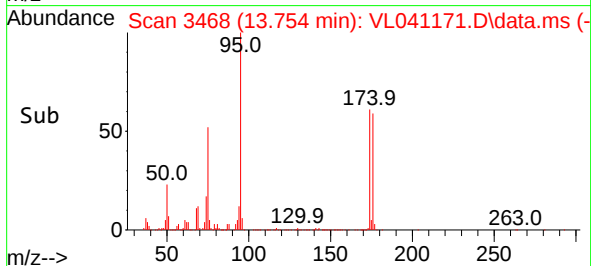
Instrument :
MSVOA_L
ClientSampleId :
IA1



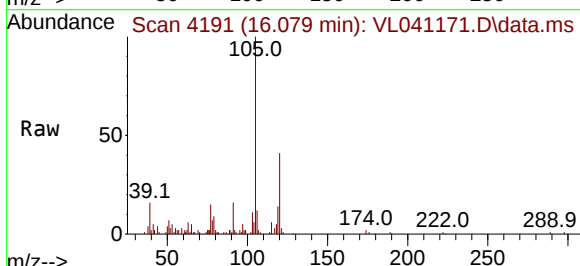
Tgt Ion: 95 Resp: 2184830
Ion Ratio Lower Upper
95 100
174 64.2 49.3 73.9
175 4.8 3.6 5.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.285 ppbv m
RT: 16.079 min Scan# 4191
Delta R.T. -0.003 min
Lab File: VL041171.D
Acq: 25 Apr 2024 15:14



Tgt Ion:105 Resp: 85637
Ion Ratio Lower Upper
105 100
120 40.9 38.9 58.3
91 15.9 43.0 64.6#
77 15.0 18.6 28.0#

