

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072224\
 Data File : VL041388.D
 Acq On : 22 Jul 2024 16:09
 Operator : SY/MD
 Sample : P3259-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/23/2024
 Supervised By :Semsettin Yesilyurt 07/24/2024

Quant Time: Jul 23 03:16:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jul 23 02:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	965268	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2525164	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2145236	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	1606564	9.992	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.755	85	48813	0.296	ppbv	97
3) Chlorodifluoromethane	2.678	51	1733128	10.413	ppbv #	61
4) Chloromethane	2.835	50	40948m	0.644	ppbv	
9) Propene	2.729	41	140640	2.442	ppbv #	64
11) Trichlorofluoromethane	3.581	101	36824	0.230	ppbv	95
13) Ethanol	3.269	45	142671	11.166	ppbv	95
15) Acetone	3.488	43	10419127	81.729	ppbv #	87
19) Isopropyl Alcohol	3.613	45	104724	1.496	ppbv #	94
20) Methylene Chloride	3.951	84	6241216	134.922	ppbv	84
23) Vinyl Acetate	4.671	43	73084m	0.582	ppbv	
25) Ethyl Acetate	5.224	43	3847257	16.389	ppbv #	79
26) Hexane	5.227	57	5067381	48.750	ppbv #	43
30) Cyclohexane	6.610	84	16462m	0.199	ppbv	
34) 2-Butanone	4.809	43	69239	0.520	ppbv	97
35) Carbon Tetrachloride	6.504	117	7550m	0.045	ppbv	
36) Benzene	6.375	78	30157m	0.144	ppbv	
44) 2,2,4-Trimethylpentane	7.333	57	48608	0.137	ppbv #	82
52) Tetrachloroethene	10.616	164	3436m	0.041	ppbv	
53) Toluene	9.227	91	106140m	0.450	ppbv	
58) Ethyl Benzene	12.092	91	14450m	0.050	ppbv	
59) m/p-Xylene	12.346	91	40235m	0.162	ppbv	
74) 1,2,4-Trimethylbenzene	16.101	105	42262m	0.157	ppbv	

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

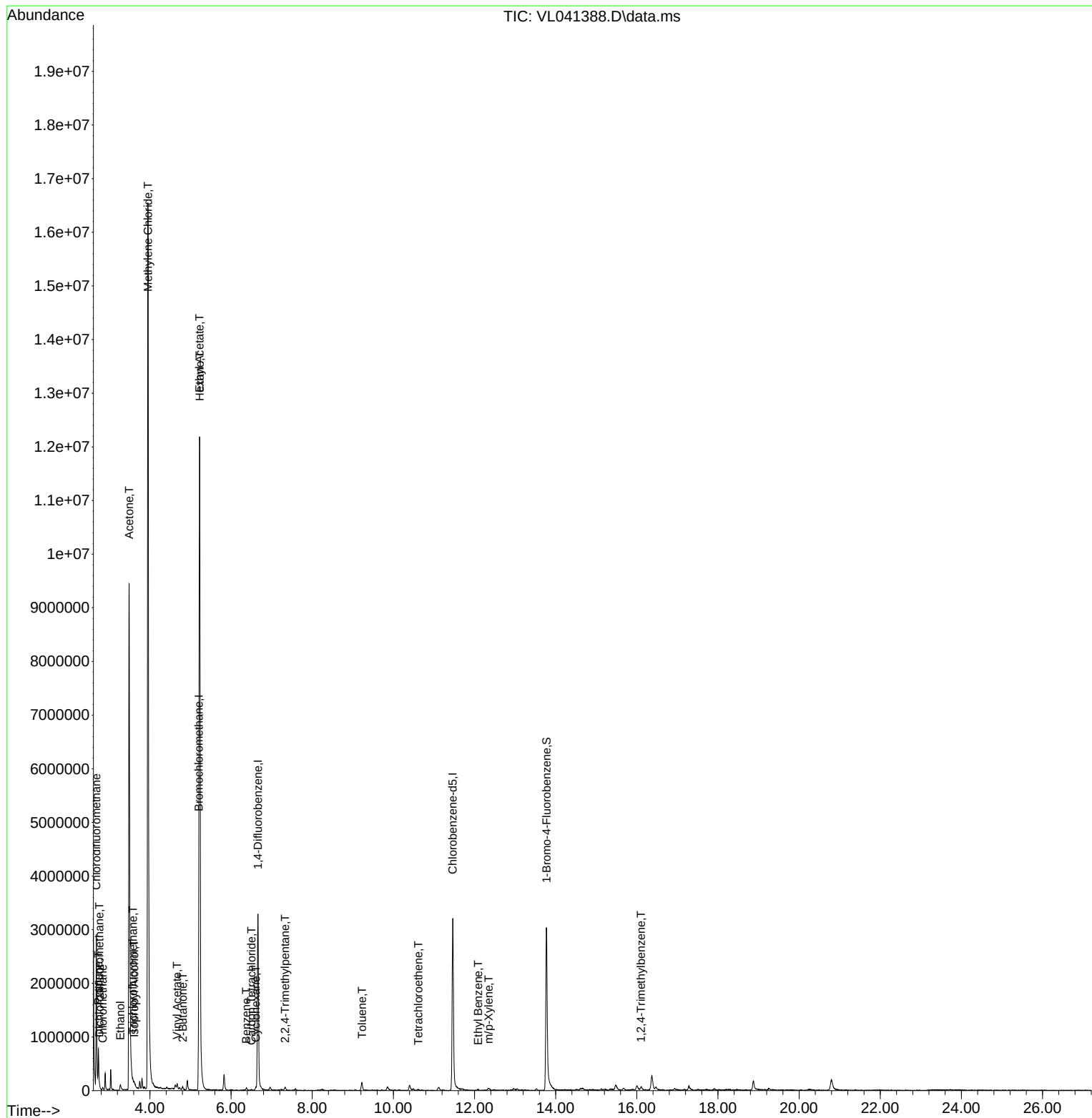
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072224\
Data File : VL041388.D
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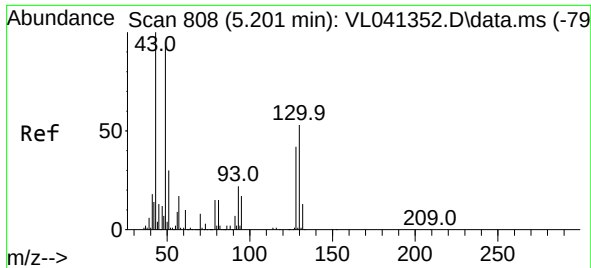
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Jul 23 03:16:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jul 23 02:50:01 2024
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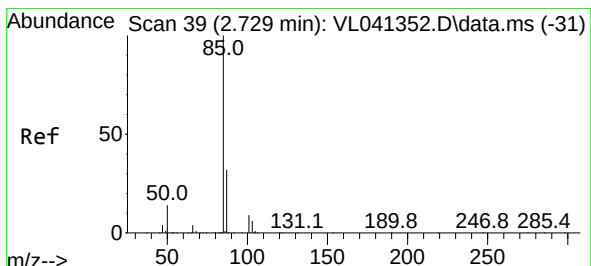
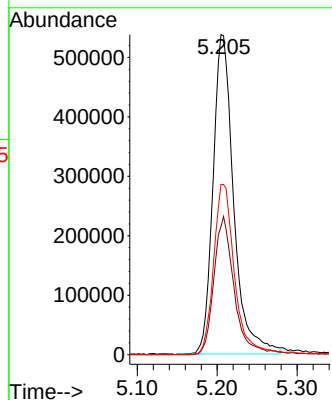
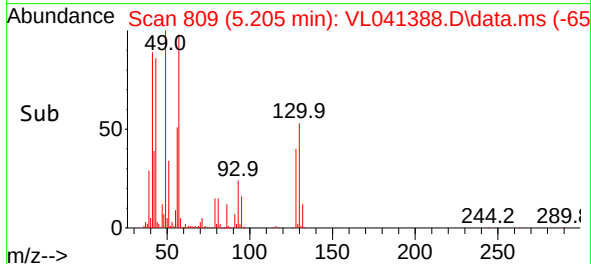
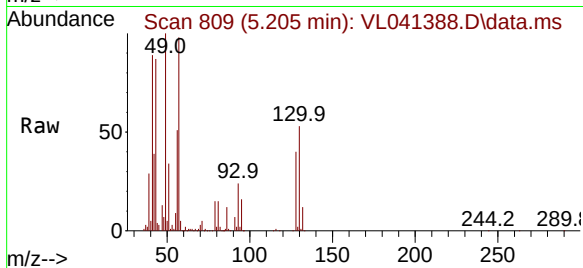
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. -0.006 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 96526
Ion Ratio Lower Upper
49 100
128 42.8 22.8 68.3
130 55.1 28.9 86.7

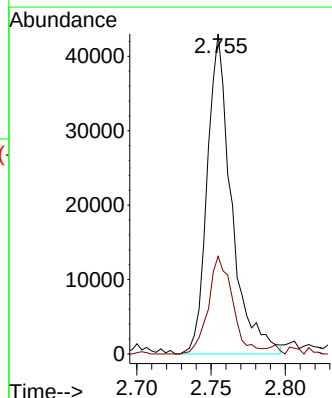
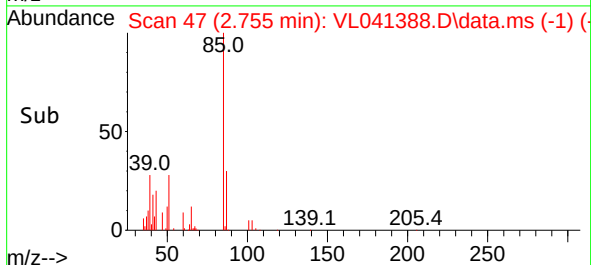
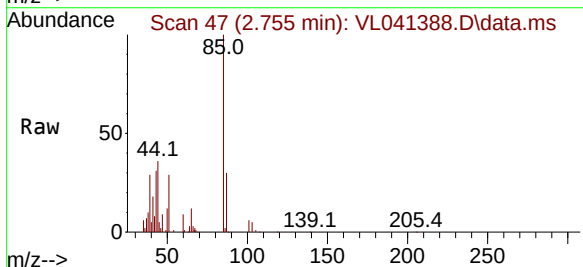
Manual Integrations
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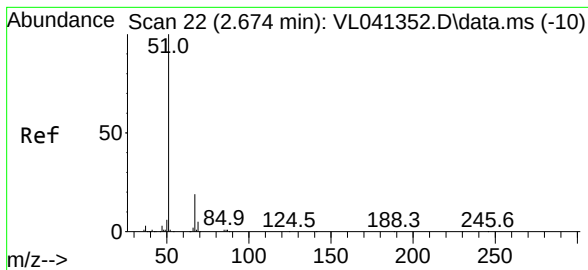
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#2
Dichlorodifluoromethane
Concen: 0.296 ppbv
RT: 2.755 min Scan# 47
Delta R.T. -0.019 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09

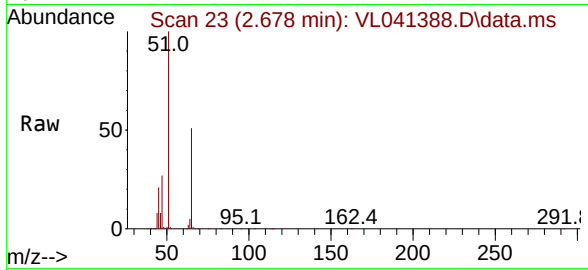
Tgt Ion: 85 Resp: 48813
Ion Ratio Lower Upper
85 100
87 30.5 25.9 38.9





#3
Chlorodifluoromethane
Concen: 10.413 ppbv
RT: 2.678 min Scan# 21
Delta R.T. -0.042 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09

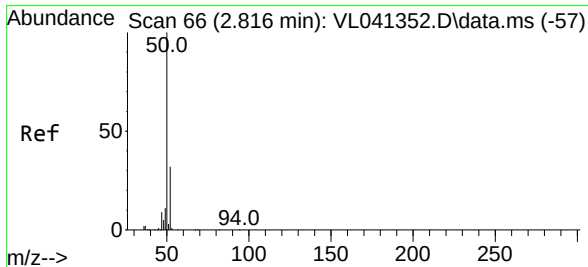
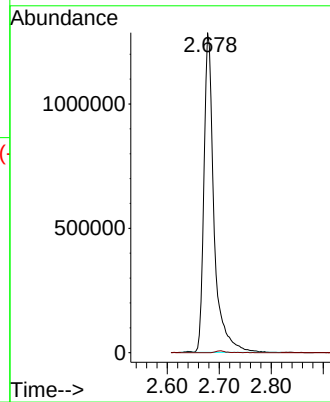
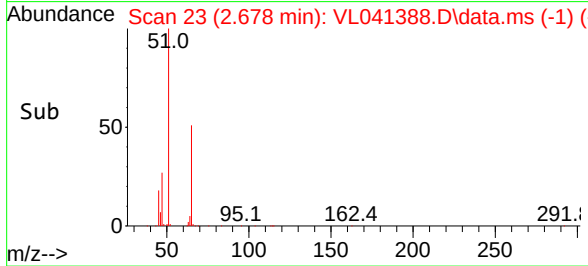
Instrument :
MSVOA_L
ClientSampleId :
OA1



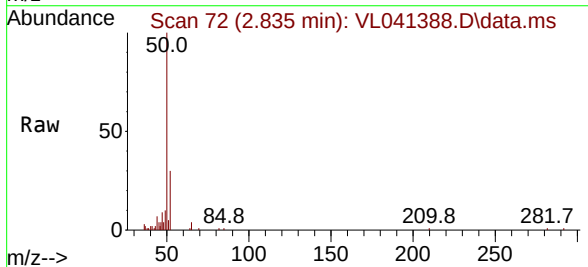
Tgt Ion: 51 Resp: 1733128
Ion Ratio Lower Upper
51 100
67 0.6 14.3 21.5

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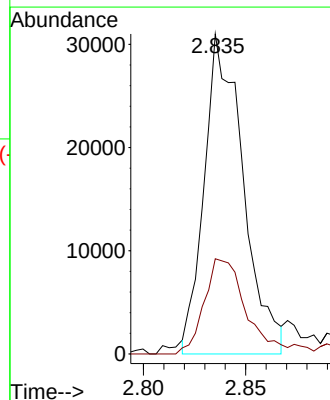
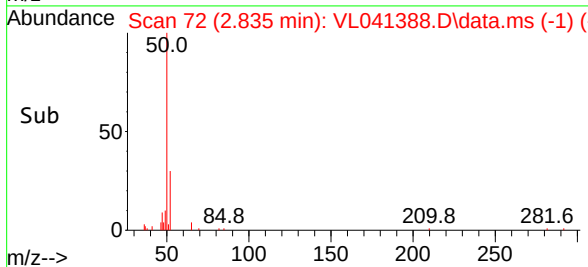
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

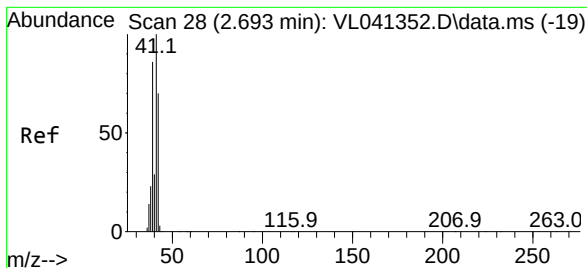


#4
Chloromethane
Concen: 0.644 ppbv m
RT: 2.835 min Scan# 72
Delta R.T. -0.019 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09



Tgt Ion: 50 Resp: 40948
Ion Ratio Lower Upper
50 100
52 29.7 25.6 38.4





#9

Propene

Concen: 2.442 ppbv

RT: 2.729 min Scan# 30

Delta R.T. -0.006 min

Lab File: VL041388.D

Acq: 22 Jul 2024 16:09

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 41 Resp: 140640

Ion Ratio Lower Upper

41 100

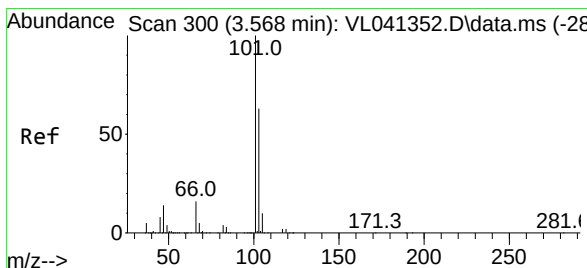
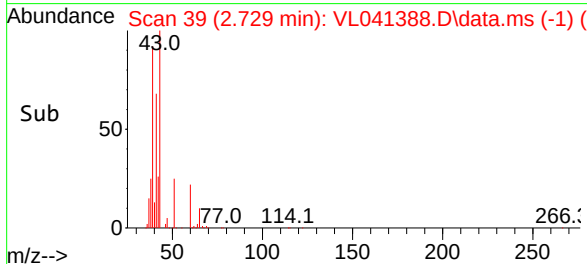
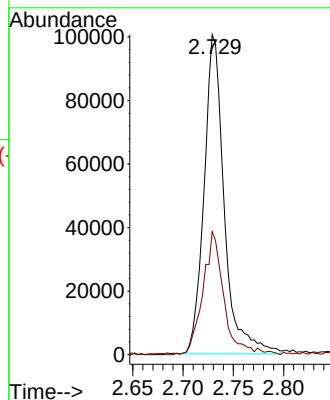
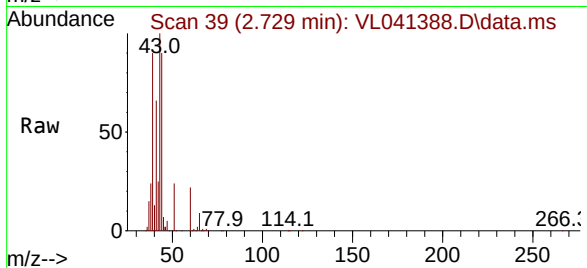
42 40.7 55.8 83.8

Manual Integrations

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Supervised By :Semsettin Yesilyurt 07/24/2024



#11

Trichlorofluoromethane

Concen: 0.230 ppbv

RT: 3.581 min Scan# 304

Delta R.T. -0.013 min

Lab File: VL041388.D

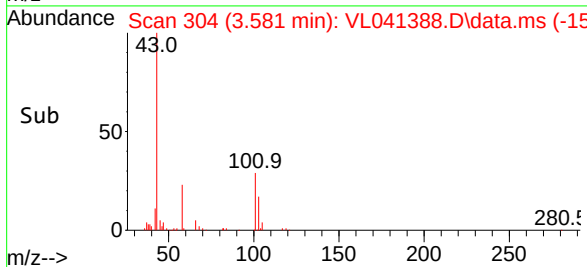
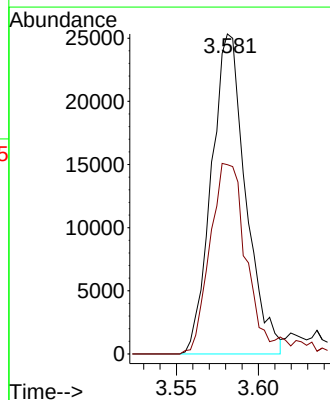
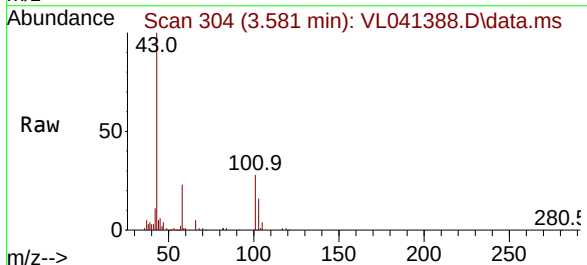
Acq: 22 Jul 2024 16:09

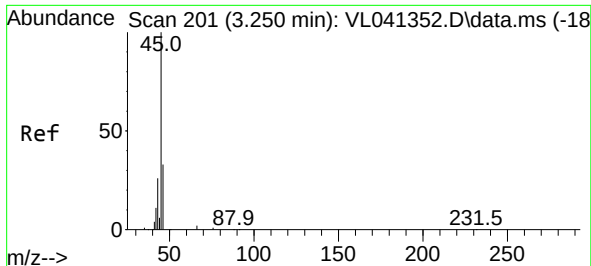
Tgt Ion:101 Resp: 36824

Ion Ratio Lower Upper

101 100

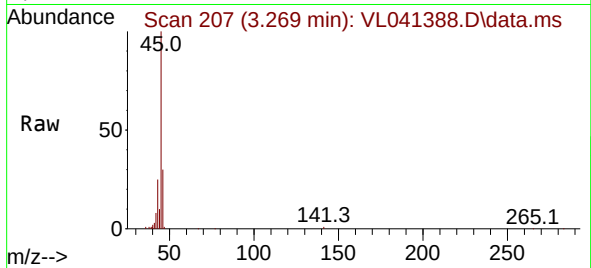
103 59.1 50.5 75.7





#13
Ethanol
Concen: 11.166 ppbv
RT: 3.269 min Scan# 201
Delta R.T. -0.013 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09

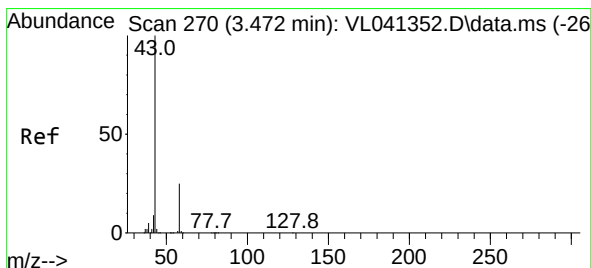
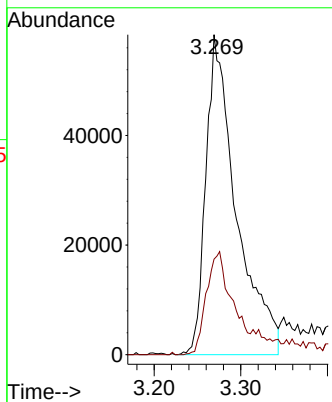
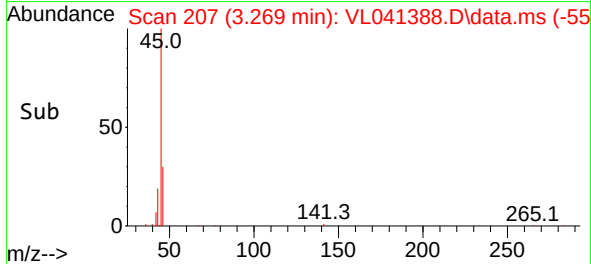
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 45 Resp: 14267
Ion Ratio Lower Upper
45 100
46 36.0 13.3 53.3

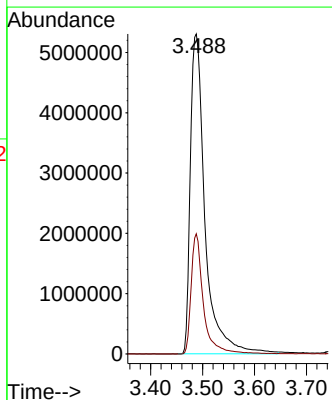
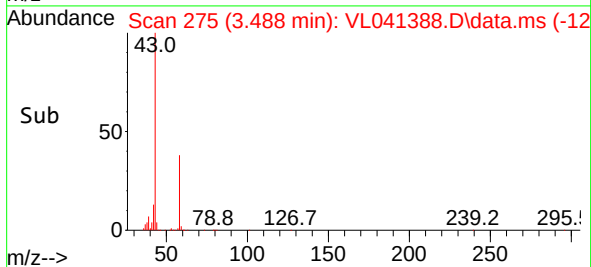
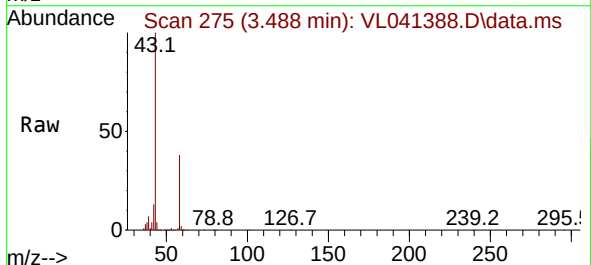
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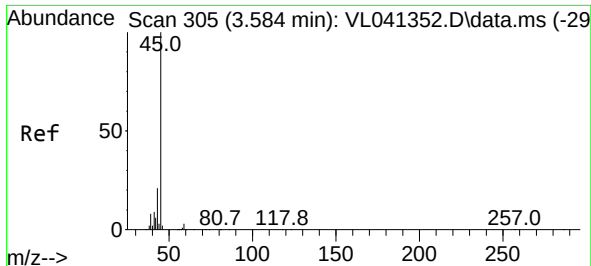
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#15
Acetone
Concen: 81.729 ppbv
RT: 3.488 min Scan# 275
Delta R.T. -0.013 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09

Tgt Ion: 43 Resp:10419127
Ion Ratio Lower Upper
43 100
58 31.9 20.3 30.5#





#19

Isopropyl Alcohol

Concen: 1.496 ppbv

RT: 3.613 min Scan# 314

Delta R.T. 0.003 min

Lab File: VL041388.D

Acq: 22 Jul 2024 16:09

Instrument :

MSVOA_L

ClientSampleId :

OA1

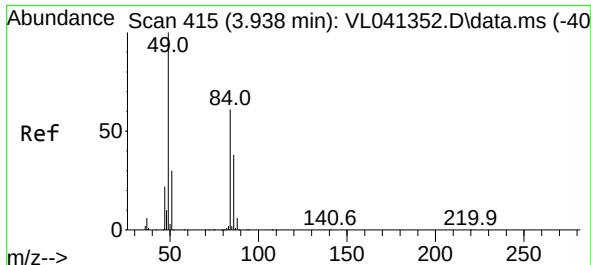
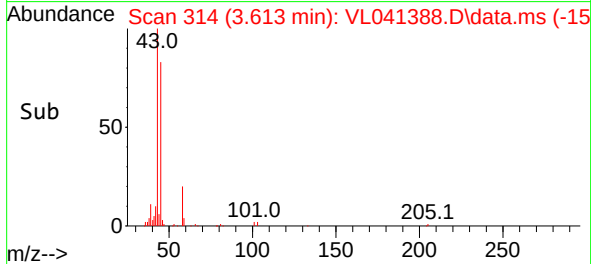
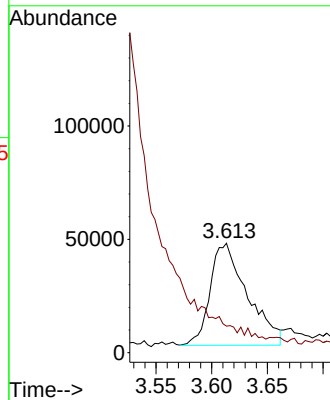
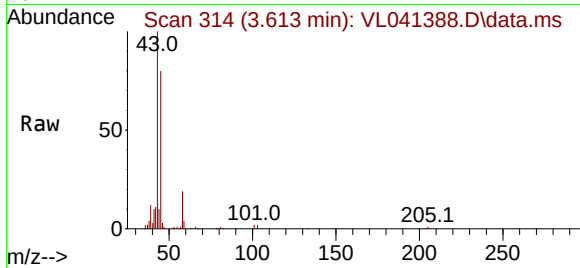
Tgt Ion: 45 Resp: 104724
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.6 2.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/23/2024

Supervised By :Semsettin Yesilyurt 07/24/2024



#20

Methylene Chloride

Concen: 134.922 ppbv

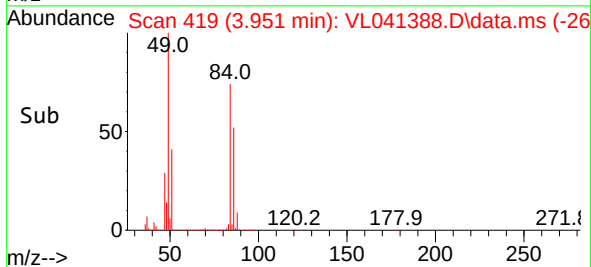
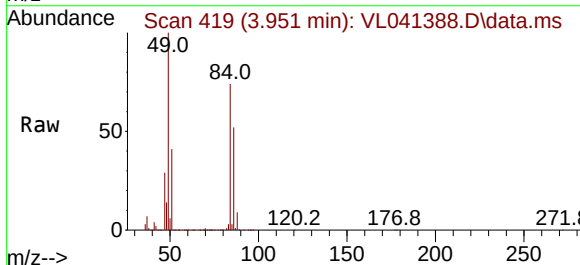
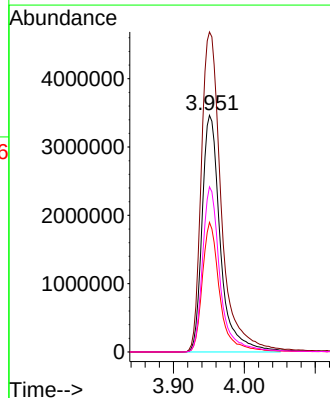
RT: 3.951 min Scan# 419

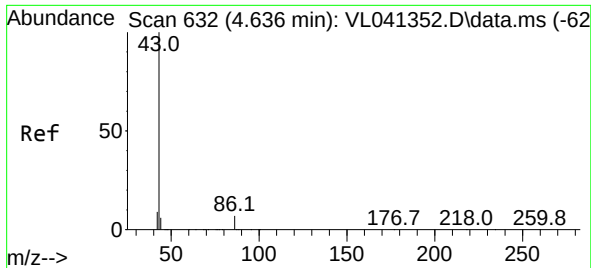
Delta R.T. -0.013 min

Lab File: VL041388.D

Acq: 22 Jul 2024 16:09

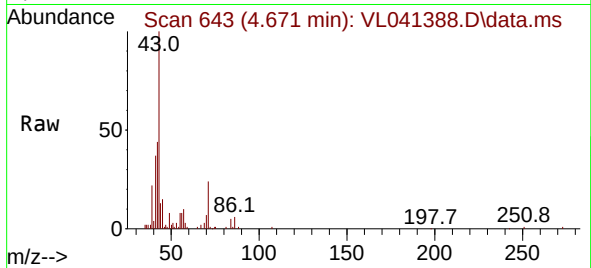
Tgt Ion: 84 Resp: 6241216
 Ion Ratio Lower Upper
 84 100
 49 135.2 131.8 197.6
 51 54.8 39.6 59.4
 86 69.8 50.2 75.4





#23
Vinyl Acetate
Concen: 0.582 ppbv m
RT: 4.671 min Scan# 643
Delta R.T. 0.020 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09

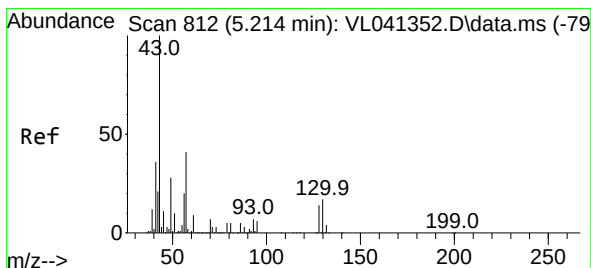
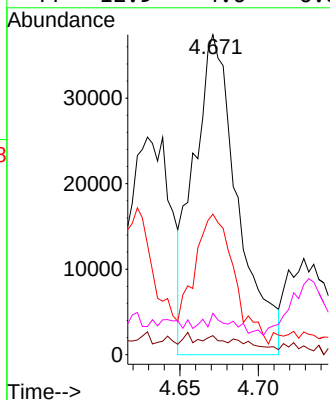
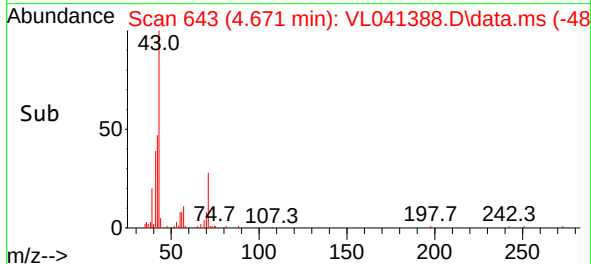
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 73084
Ion Ratio Lower Upper
43 100
86 5.9 5.0 7.4
42 43.9 7.9 11.9
44 12.9 4.6 6.8#

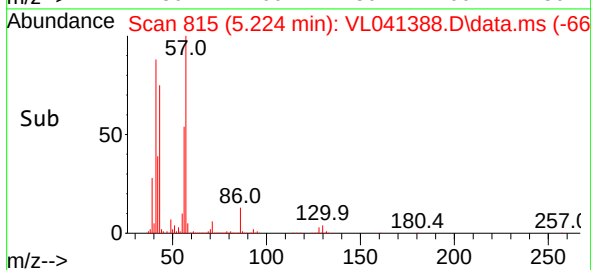
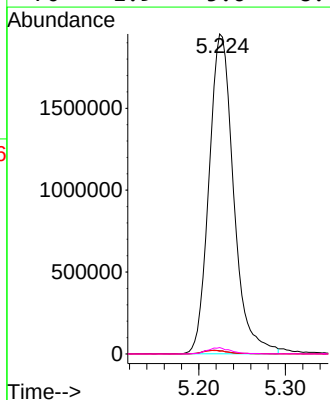
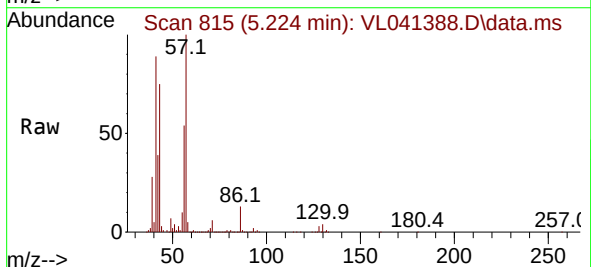
Manual Integrations
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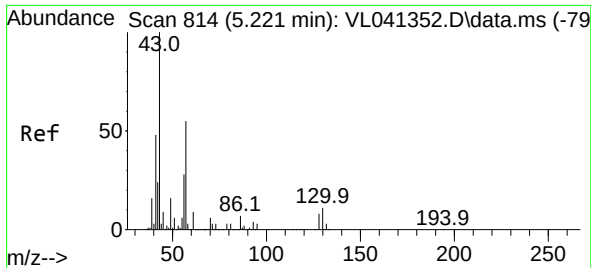
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#25
Ethyl Acetate
Concen: 16.389 ppbv
RT: 5.224 min Scan# 815
Delta R.T. -0.003 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09

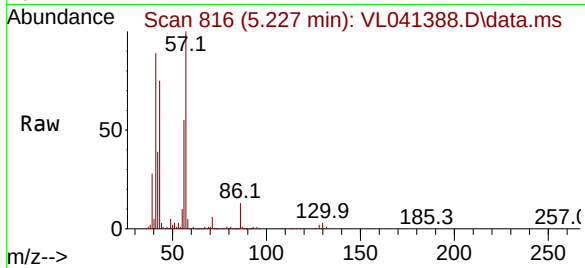
Tgt Ion: 43 Resp: 3847257
Ion Ratio Lower Upper
43 100
45 1.3 8.3 12.5#
61 1.2 7.7 11.5#
70 1.9 5.6 8.4#





#26
Hexane
Concen: 48.750 ppbv
RT: 5.227 min Scan# 814
Delta R.T. -0.003 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09

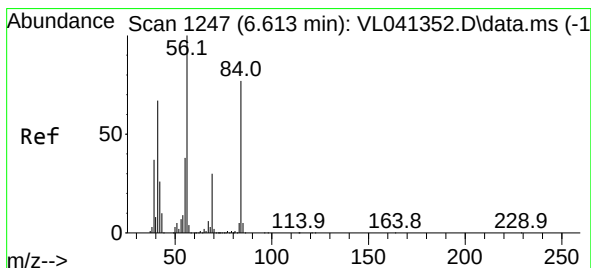
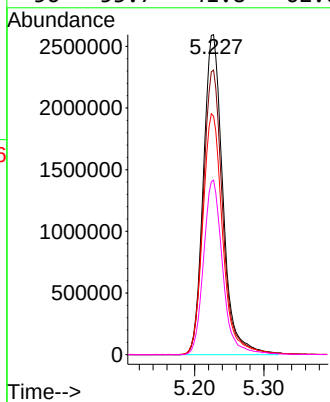
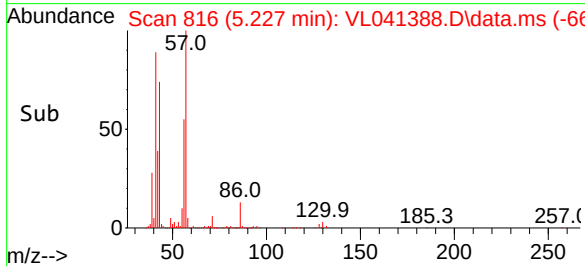
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 57 Resp: 506738
Ion Ratio Lower Upper
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41 89.3 73.7 110.5
43 77.0 182.2 273.2
56 53.7 41.8 62.6

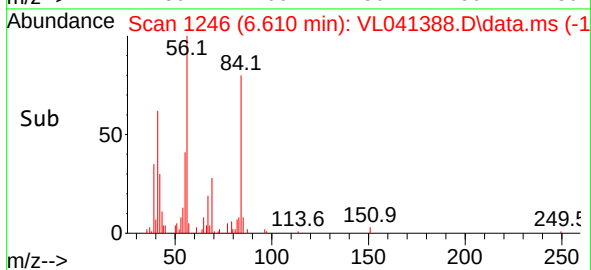
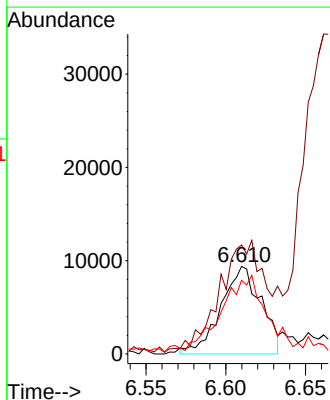
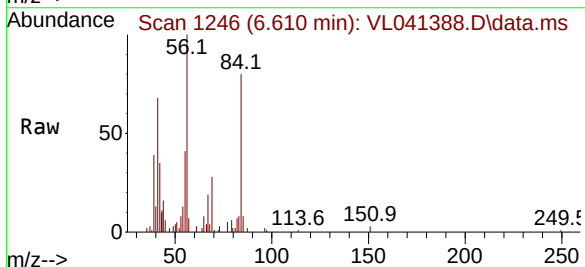
Manual Integrations
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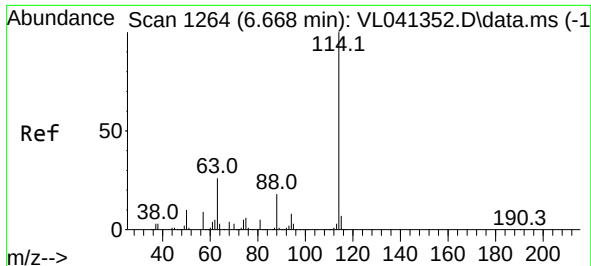
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#30
Cyclohexane
Concen: 0.199 ppbv m
RT: 6.610 min Scan# 1246
Delta R.T. -0.006 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09

Tgt Ion: 84 Resp: 16462
Ion Ratio Lower Upper
84 100
56 0.0 112.4 168.6#
41 0.0 72.7 109.1#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 114

Delta R.T. -0.006 min

Lab File: VL041388.D

Acq: 22 Jul 2024 16:09

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:114 Resp: 252516

Ion Ratio Lower Upper

114 100

63 25.8 20.6 31.0

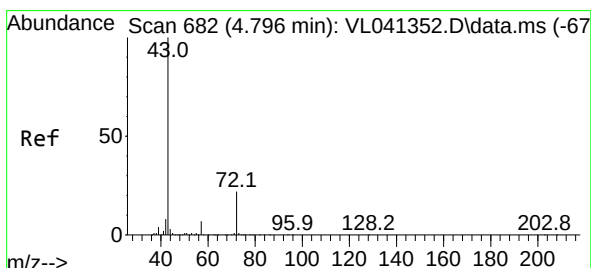
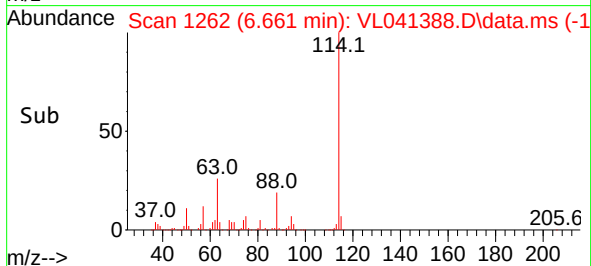
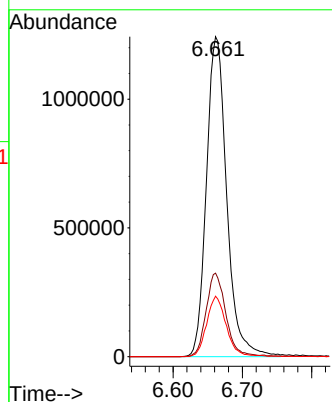
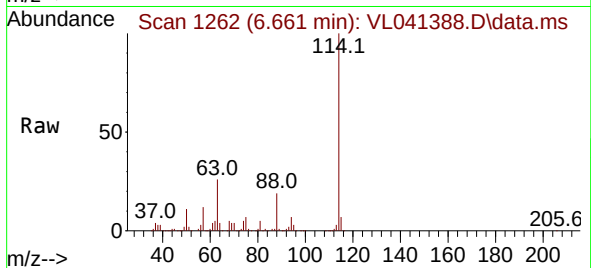
88 18.5 14.6 21.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/23/2024

Supervised By :Semsettin Yesilyurt 07/24/2024



#34

2-Butanone

Concen: 0.520 ppbv

RT: 4.809 min Scan# 686

Delta R.T. 0.000 min

Lab File: VL041388.D

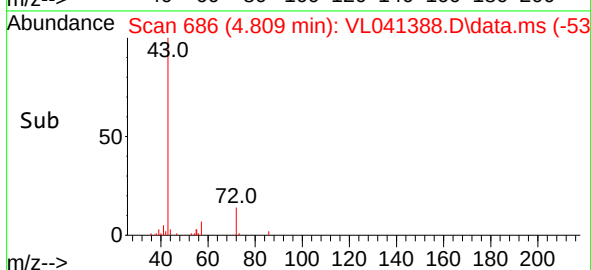
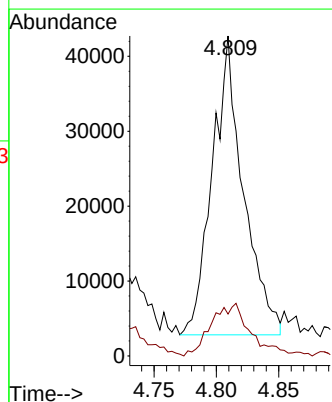
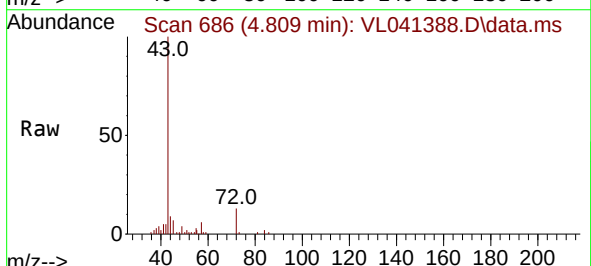
Acq: 22 Jul 2024 16:09

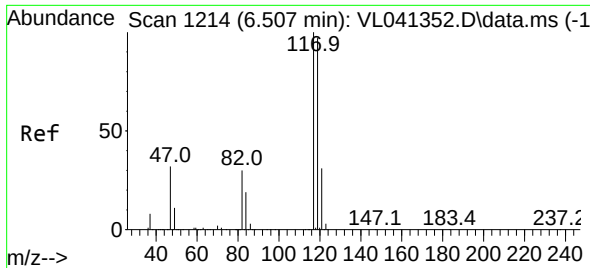
Tgt Ion: 43 Resp: 69239

Ion Ratio Lower Upper

43 100

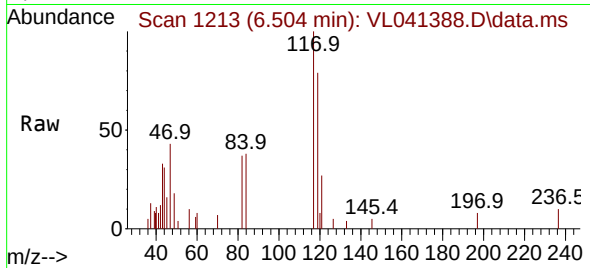
72 23.1 17.2 25.8





#35
Carbon Tetrachloride
Concen: 0.045 ppbv m
RT: 6.504 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09

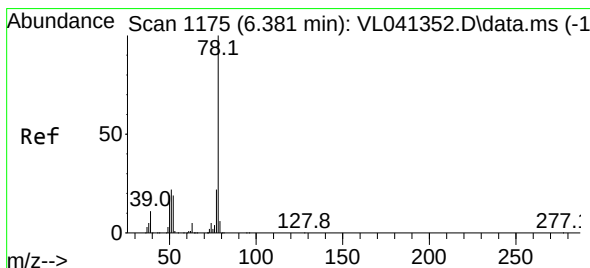
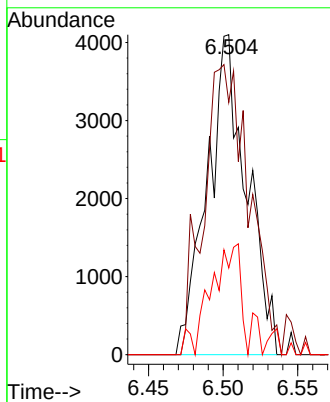
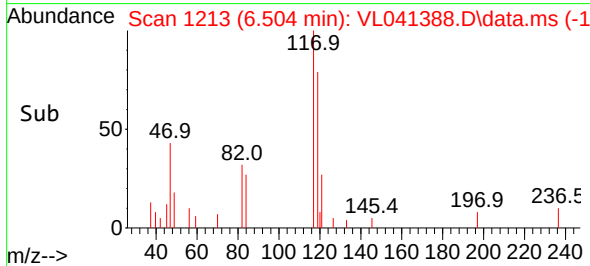
Instrument :
MSVOA_L
ClientSampleId :
OA1



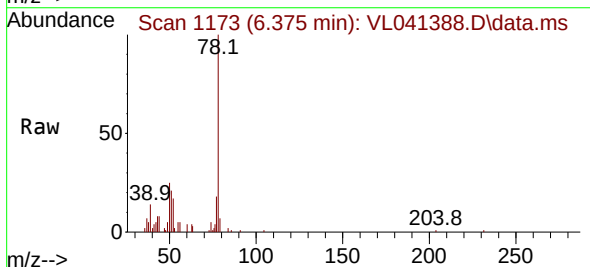
Tgt Ion: 117 Resp: 7550
Ion Ratio Lower Upper
117 100
119 78.9 77.2 115.8
121 27.1 25.2 37.8

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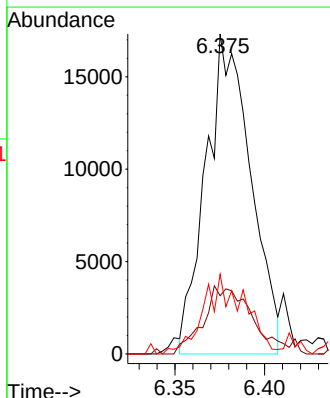
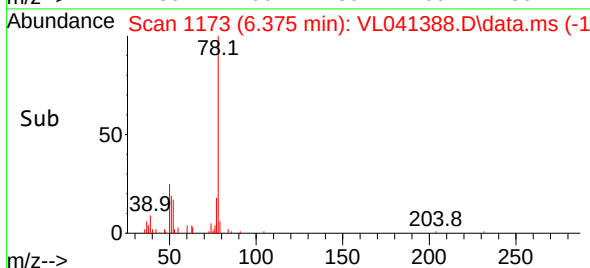
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

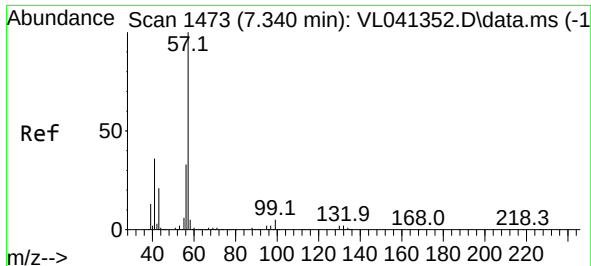


#36
Benzene
Concen: 0.144 ppbv m
RT: 6.375 min Scan# 1173
Delta R.T. -0.013 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09



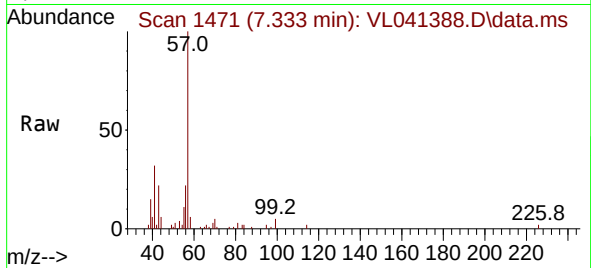
Tgt Ion: 78 Resp: 30157
Ion Ratio Lower Upper
78 100
77 18.2 17.9 26.9
50 24.9 15.5 23.3#





#44
2,2,4-Trimethylpentane
Concen: 0.137 ppbv
RT: 7.333 min Scan# 1473
Delta R.T. -0.006 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09

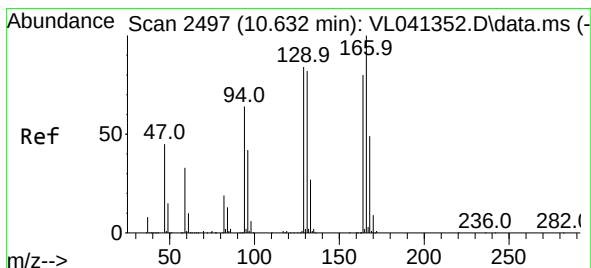
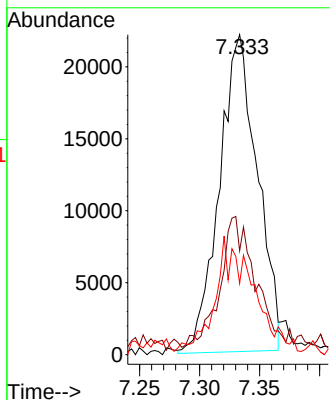
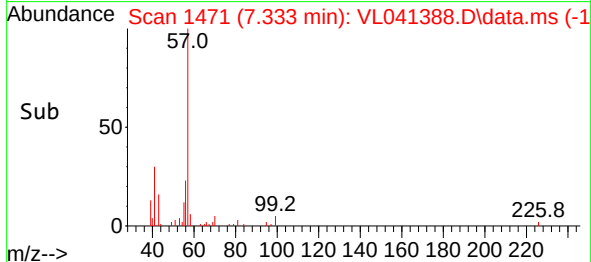
Instrument :
MSVOA_L
ClientSampleId :
OA1



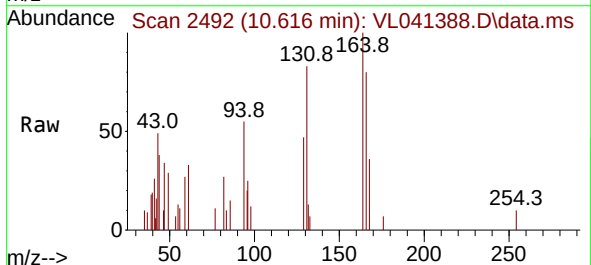
Tgt Ion: 57 Resp: 48608
Ion Ratio Lower Upper
57 100
41 48.6 29.6 44.4#
56 40.6 25.7 38.5#

Manual Integrations
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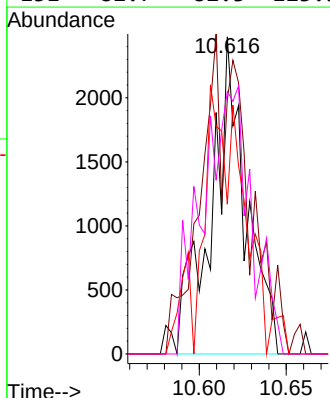
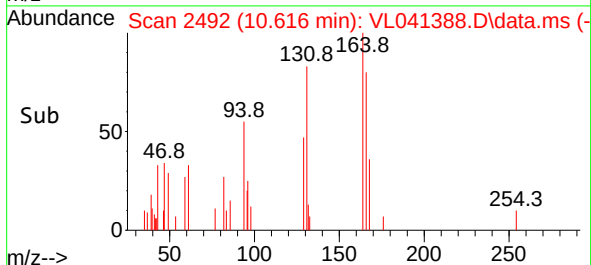
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

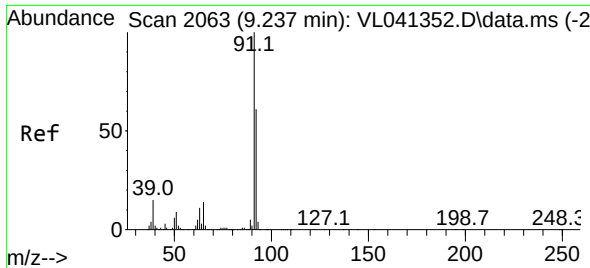


#52
Tetrachloroethene
Concen: 0.041 ppbv m
RT: 10.616 min Scan# 2492
Delta R.T. -0.003 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09



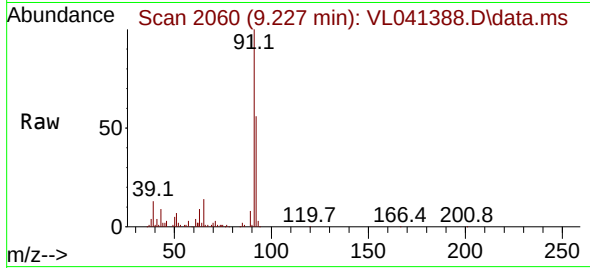
Tgt Ion:164 Resp: 3436
Ion Ratio Lower Upper
164 100
166 80.2 99.8 149.8#
129 47.2 83.8 125.6#
131 82.7 82.3 123.5#





#53
Toluene
Concen: 0.450 ppbv m
RT: 9.227 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09

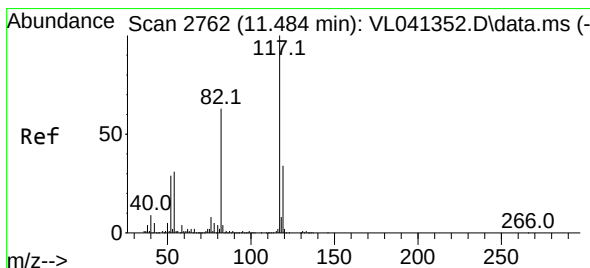
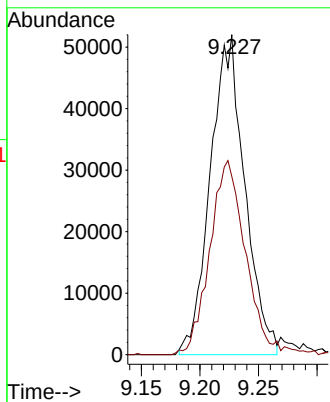
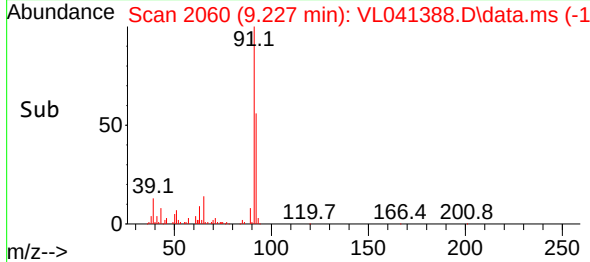
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 91 Resp: 106140
Ion Ratio Lower Upper
91 100
92 63.7 48.5 72.7

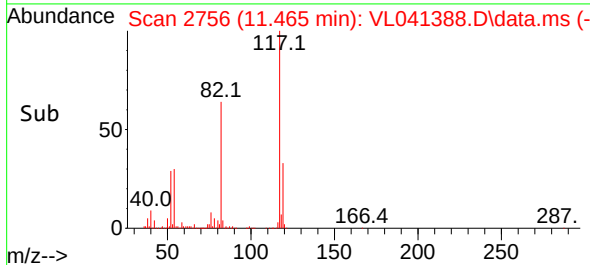
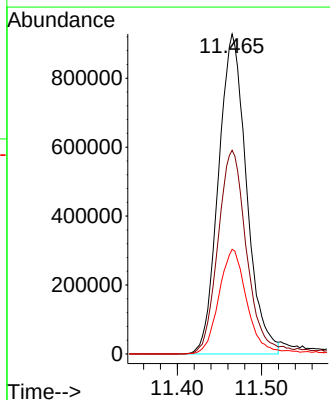
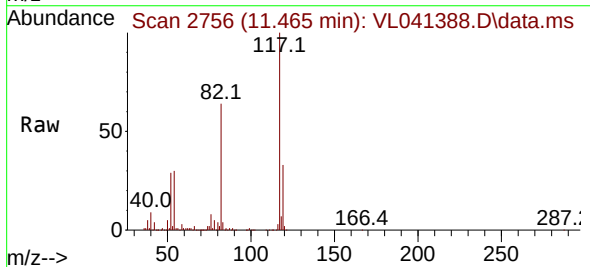
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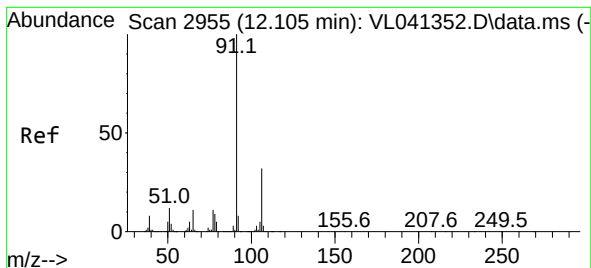
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. -0.003 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09

Tgt Ion:117 Resp: 2145236
Ion Ratio Lower Upper
117 100
82 67.8 50.6 75.8
119 33.4 24.7 37.1





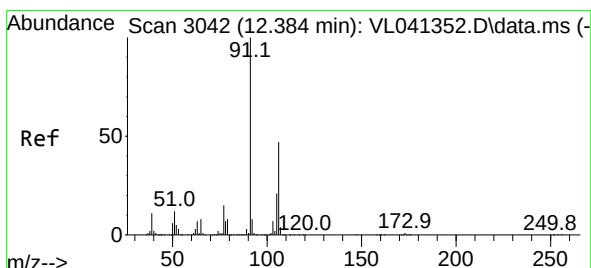
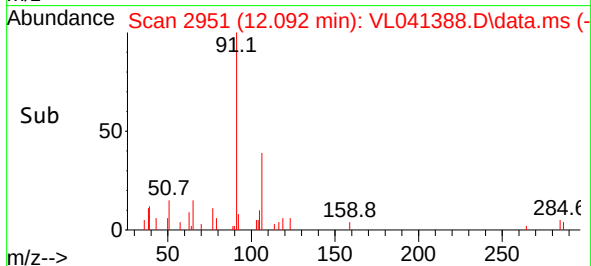
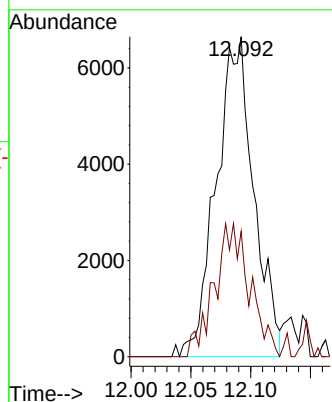
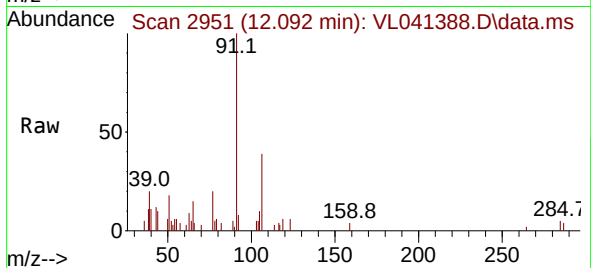
#58
Ethyl Benzene
Concen: 0.050 ppbv m
RT: 12.092 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 14450
Ion Ratio Lower Upper
91 100
106 39.1 25.4 38.0

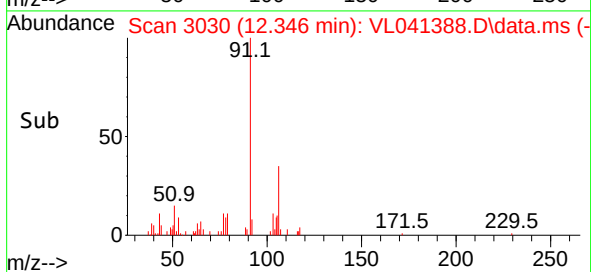
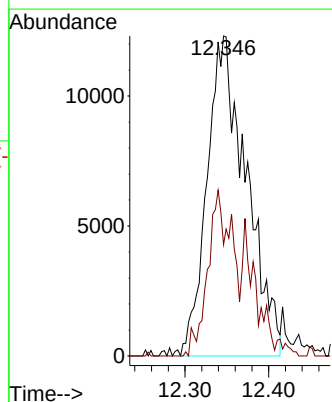
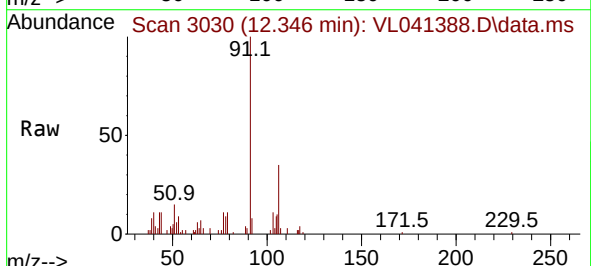
Manual Integrations
APPROVED

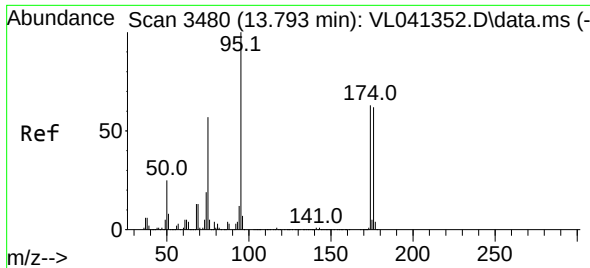
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#59
m/p-Xylene
Concen: 0.162 ppbv m
RT: 12.346 min Scan# 3030
Delta R.T. -0.025 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09

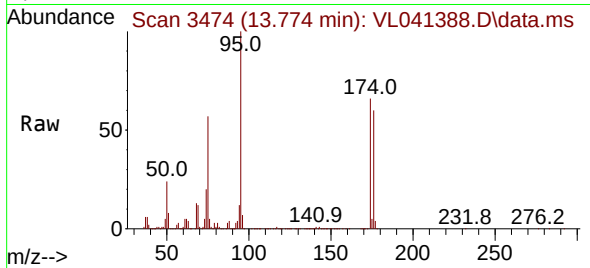
Tgt Ion: 91 Resp: 40235
Ion Ratio Lower Upper
91 100
106 0.0 35.6 53.4





#68
1-Bromo-4-Fluorobenzene
Concen: 9.992 ppbv
RT: 13.774 min Scan# 3480
Delta R.T. -0.003 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09

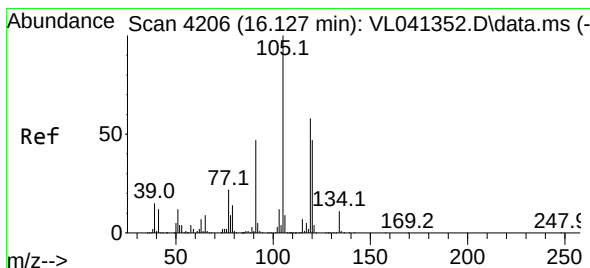
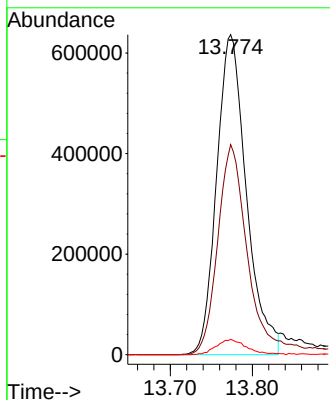
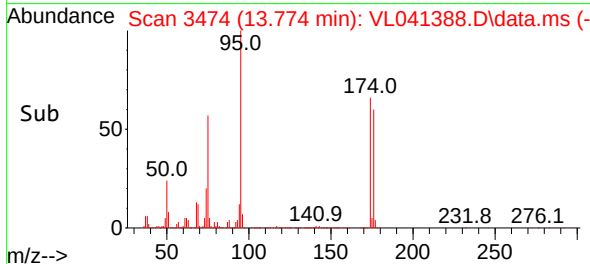
Instrument : MSVOA_L
ClientSampleId : OA1



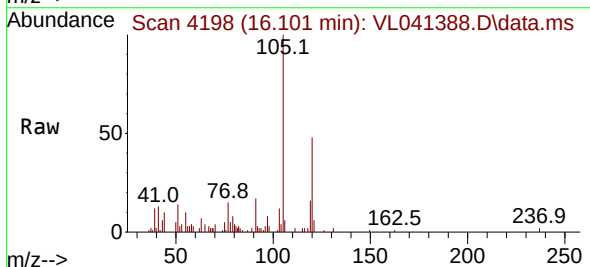
Tgt Ion: 95 Resp: 160656
Ion Ratio Lower Upper
95 100
174 69.3 53.1 79.7
175 4.9 4.0 6.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.157 ppbv m
RT: 16.101 min Scan# 4198
Delta R.T. -0.003 min
Lab File: VL041388.D
Acq: 22 Jul 2024 16:09



Tgt Ion:105 Resp: 42262
Ion Ratio Lower Upper
105 100
120 48.2 37.8 56.8
91 17.5 38.0 57.0#
77 14.5 17.5 26.3#

