

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041135.D
 Acq On : 4 Apr 2024 21:32
 Operator : SY/MD
 Sample : P1953-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

Quant Time: Apr 05 05:13:29 2024

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

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

QLast Update : Fri Apr 05 04:49:46 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1414184	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	3857070	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.494	117	3471280	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	2793477	10.008	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.735	85	28277	0.117	ppbv #	87
9) Propene	2.706	41	25571	0.369	ppbv	98
13) Ethanol	3.253	45	271129	16.451	ppbv	99
15) Acetone	3.478	43	1092899	7.137	ppbv #	78
17) tert-Butyl alcohol	3.906	59	21371m	0.154	ppbv	
20) Methylene Chloride	3.954	84	30000m	0.475	ppbv	
26) Hexane	5.230	57	35354	0.274	ppbv #	1
34) 2-Butanone	4.800	43	3143525	19.260	ppbv	99
50) 4-Methyl-2-Pentanone	8.224	43	30961m	0.108	ppbv	
51) 2-Hexanone	9.584	43	564509	2.835	ppbv #	99
52) Tetrachloroethene	10.648	164	12294m	0.136	ppbv	
53) Toluene	9.246	91	124643	0.418	ppbv	96
58) Ethyl Benzene	12.118	91	39978m	0.105	ppbv	
59) m/p-Xylene	12.372	91	102093m	0.297	ppbv	
60) o-Xylene	13.092	91	50521m	0.155	ppbv	
74) 1,2,4-Trimethylbenzene	16.130	105	97033	0.265	ppbv #	66

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

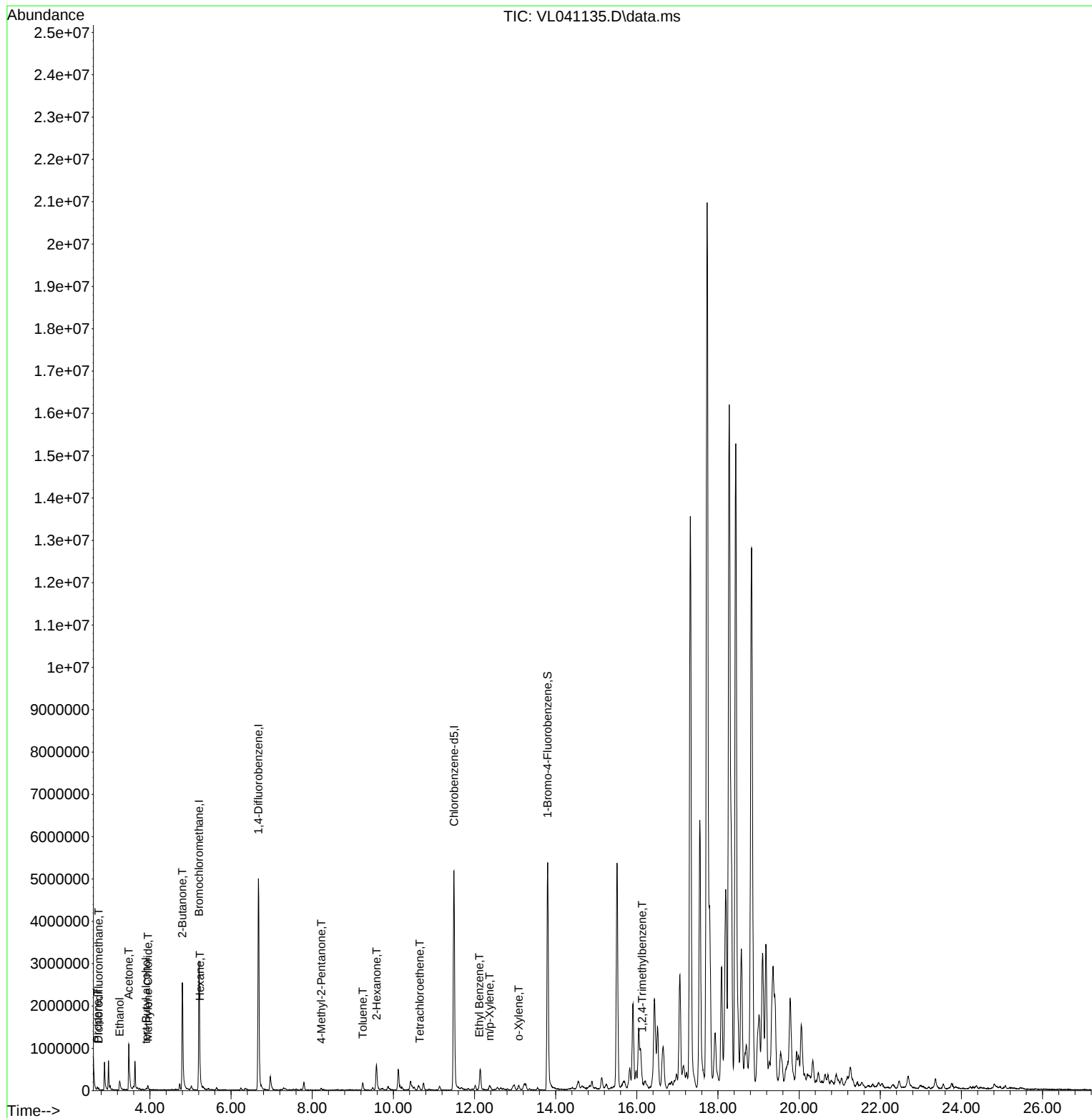
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
Data File : VL041135.D
Acq On : 4 Apr 2024 21:32
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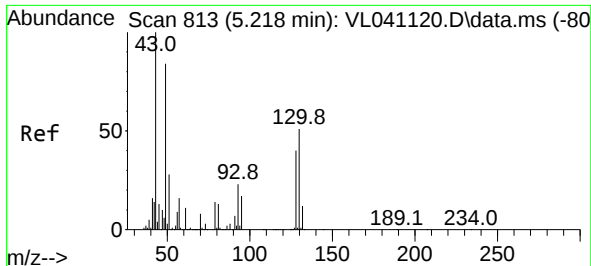
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Apr 05 05:13:29 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 05 04:49:46 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

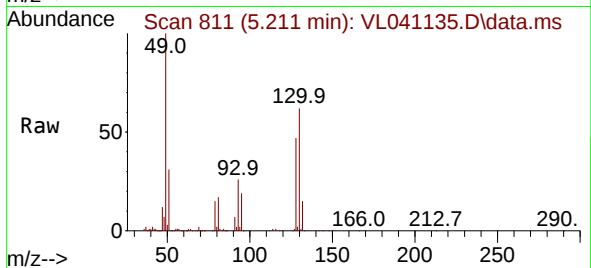
Reviewed By : Semsettin Yesilyurt 04/05/2024
Supervised By : Mahesh Dadoda 04/05/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL041135.D
Acq: 4 Apr 2024 21:32

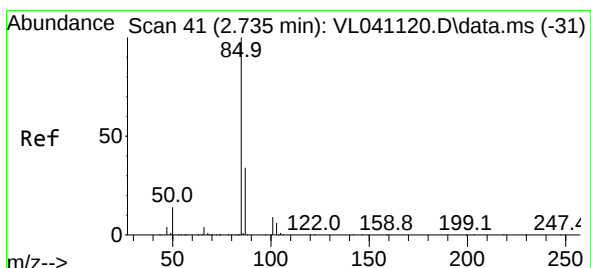
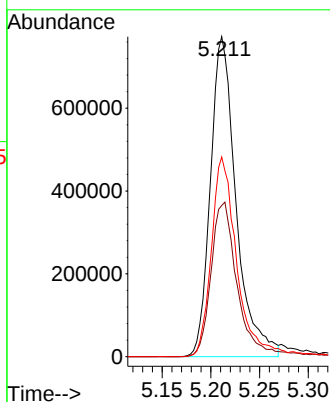
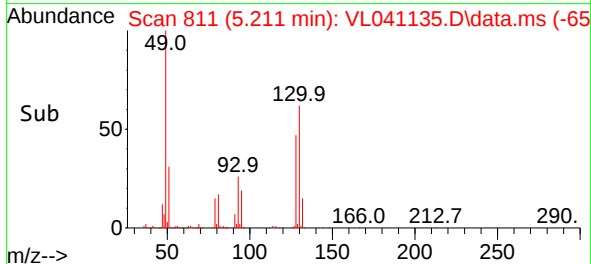
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 49 Resp: 1414184
Ion Ratio Lower Upper
49 100
128 50.8 23.6 71.0
130 64.1 30.1 90.5

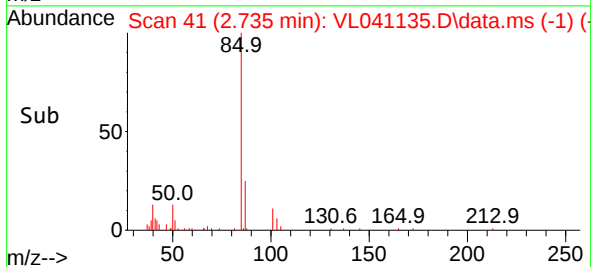
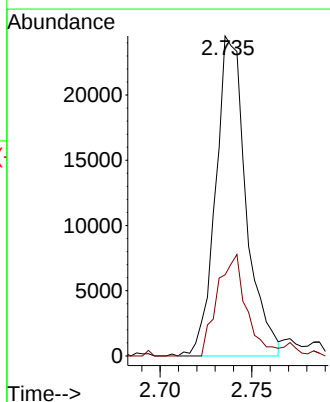
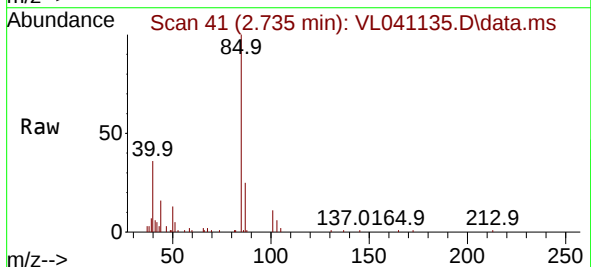
Manual Integrations
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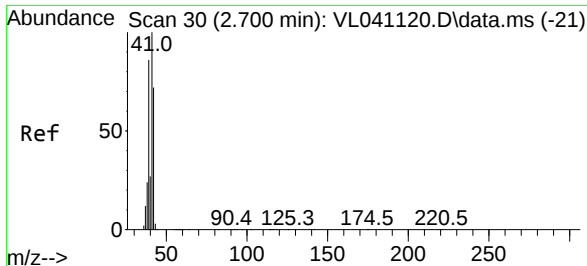
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#2
Dichlorodifluoromethane
Concen: 0.117 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041135.D
Acq: 4 Apr 2024 21:32

Tgt Ion: 85 Resp: 28277
Ion Ratio Lower Upper
85 100
87 26.1 27.0 40.6#





#9

Propene

Concen: 0.369 ppbv

RT: 2.706 min Scan# 30

Delta R.T. 0.006 min

Lab File: VL041135.D

Acq: 4 Apr 2024 21:32

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 41 Resp: 2557

Ion Ratio Lower Upper

41 100

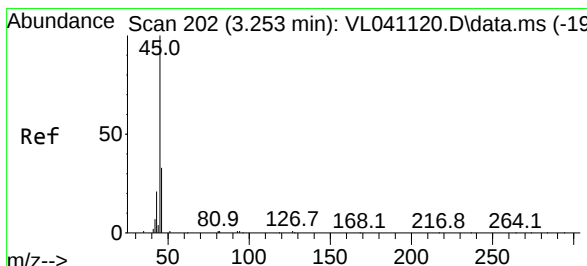
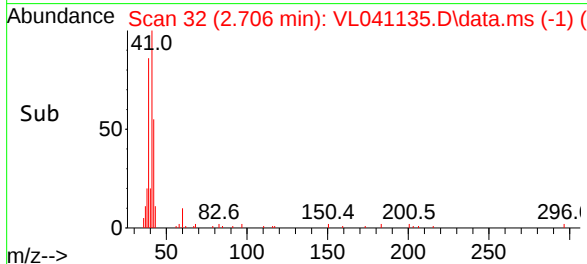
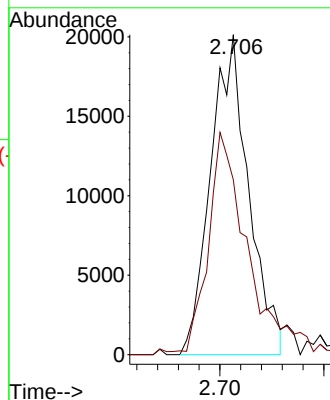
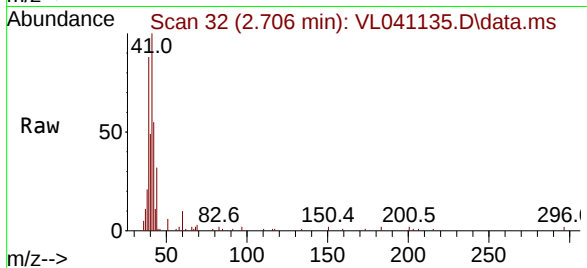
42 73.6 60.1 90.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/05/2024

Supervised By :Mahesh Dadoda 04/05/2024



#13

Ethanol

Concen: 16.451 ppbv

RT: 3.253 min Scan# 202

Delta R.T. 0.000 min

Lab File: VL041135.D

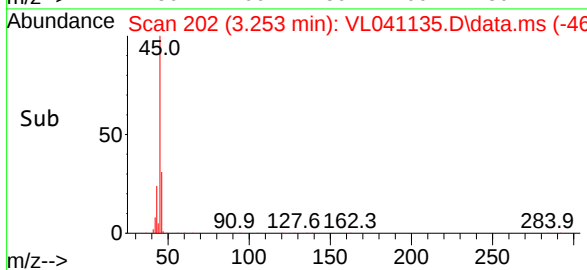
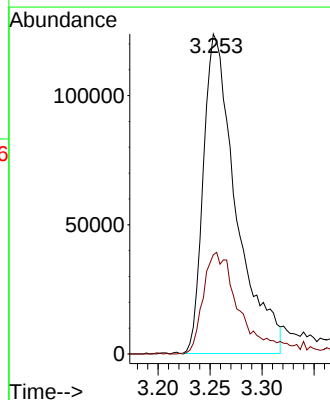
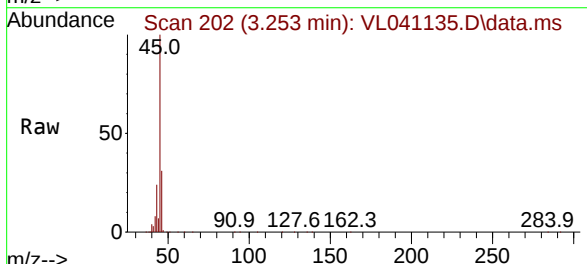
Acq: 4 Apr 2024 21:32

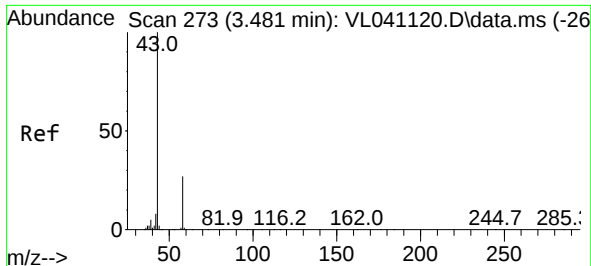
Tgt Ion: 45 Resp: 271129

Ion Ratio Lower Upper

45 100

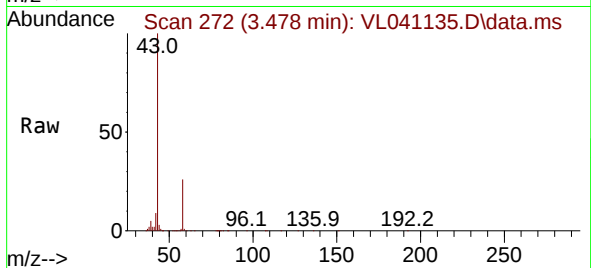
46 37.0 15.0 59.8





#15
Acetone
Concen: 7.137 ppbv
RT: 3.478 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041135.D
Acq: 4 Apr 2024 21:32

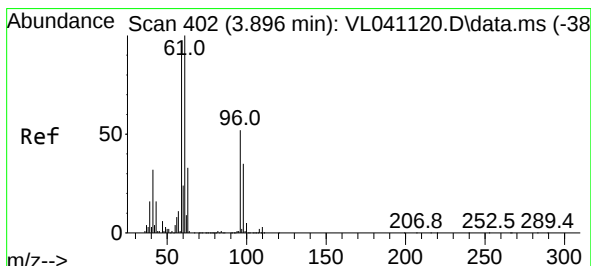
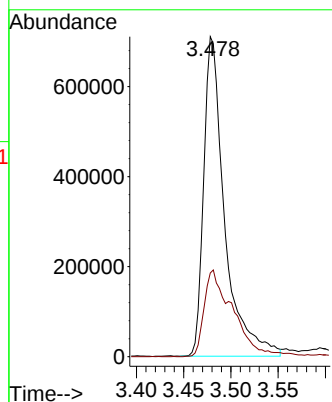
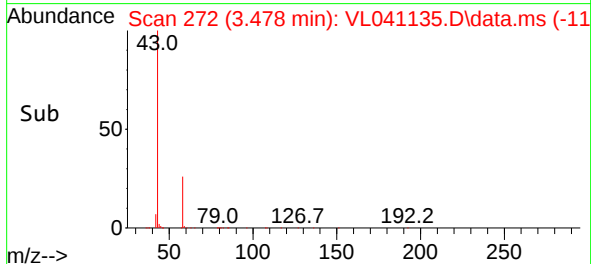
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 43 Resp: 109289
Ion Ratio Lower Upper
43 100
58 37.9 21.1 31.7

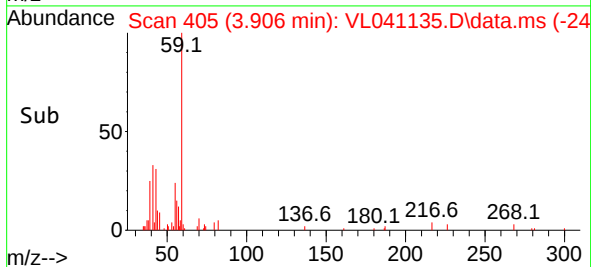
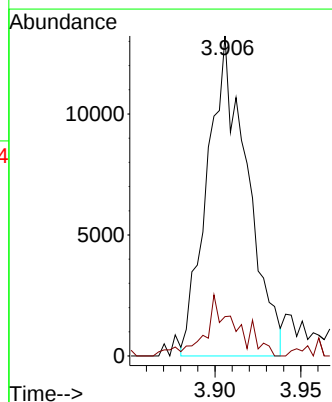
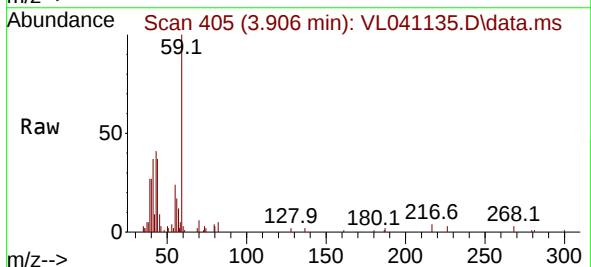
Manual Integrations
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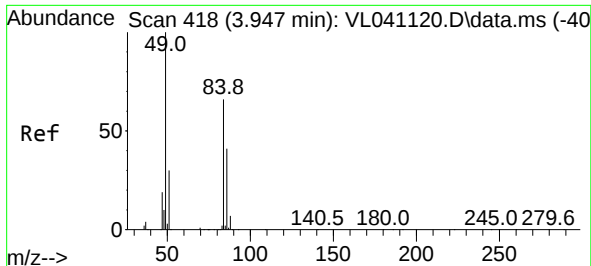
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#17
tert-Butyl alcohol
Concen: 0.154 ppbv m
RT: 3.906 min Scan# 405
Delta R.T. 0.010 min
Lab File: VL041135.D
Acq: 4 Apr 2024 21:32

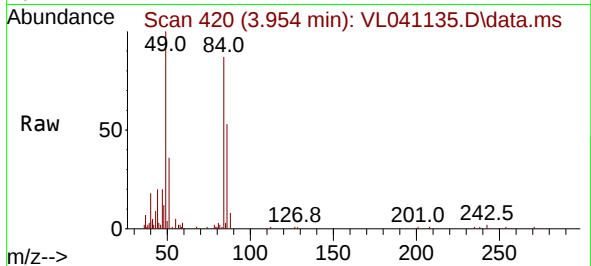
Tgt Ion: 59 Resp: 21371
Ion Ratio Lower Upper
59 100
57 15.1 8.7 13.1





#20
Methylene Chloride
Concen: 0.475 ppbv m
RT: 3.954 min Scan# 418
Delta R.T. 0.007 min
Lab File: VL041135.D
Acq: 4 Apr 2024 21:32

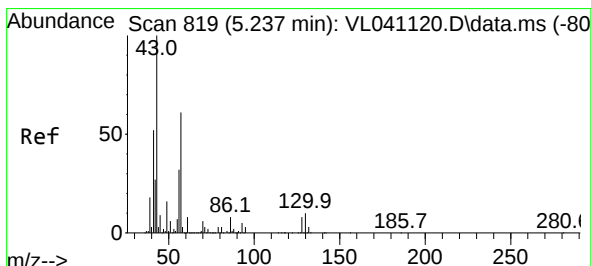
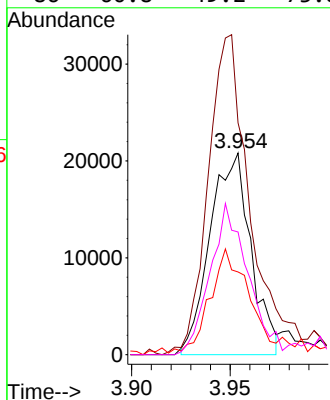
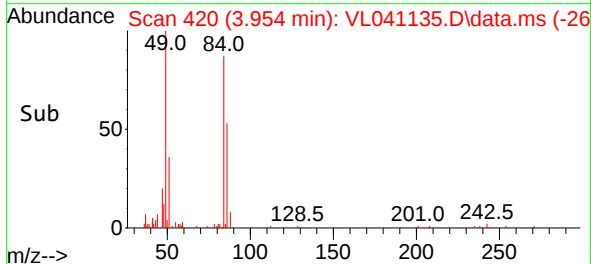
Instrument :
MSVOA_L
ClientSampleId :
SV2



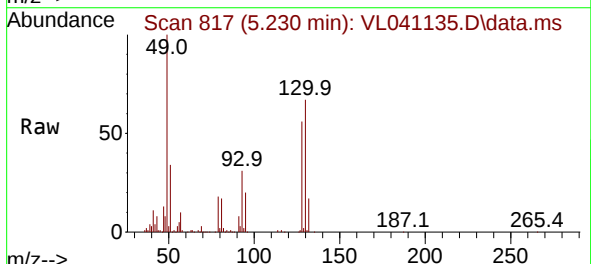
Tgt Ion: 84 Resp: 30000
Ion Ratio Lower Upper
84 100
49 115.0 120.7 181.1#
51 41.0 36.6 54.8
86 60.8 49.2 73.8

Manual Integrations
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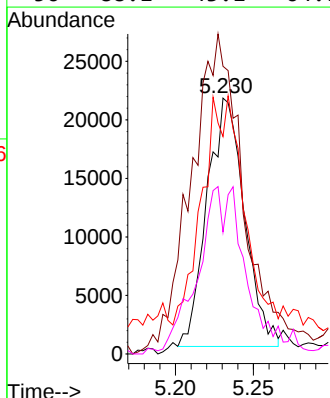
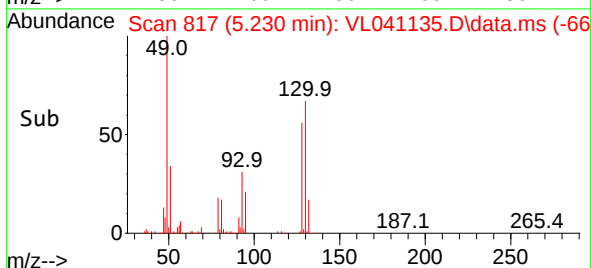
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

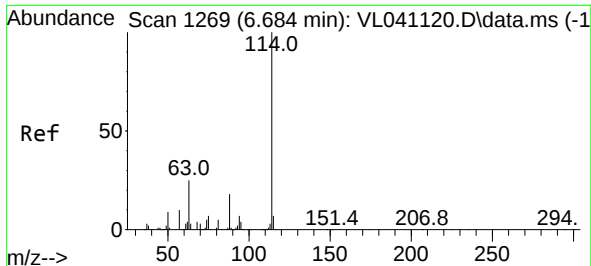


#26
Hexane
Concen: 0.274 ppbv
RT: 5.230 min Scan# 817
Delta R.T. -0.006 min
Lab File: VL041135.D
Acq: 4 Apr 2024 21:32



Tgt Ion: 57 Resp: 35354
Ion Ratio Lower Upper
57 100
41 186.4 73.8 110.8#
43 0.0 186.2 279.2#
56 88.1 43.1 64.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 1

Delta R.T. -0.010 min

Lab File: VL041135.D

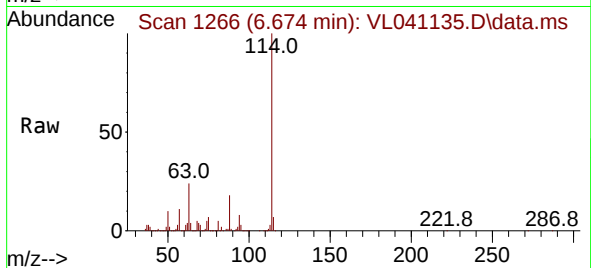
Acq: 4 Apr 2024 21:32

Instrument :

MSVOA_L

ClientSampleId :

SV2



Tgt Ion:114 Resp: 3857070

Ion Ratio Lower Upper

114 100

63 24.8 20.9 31.3

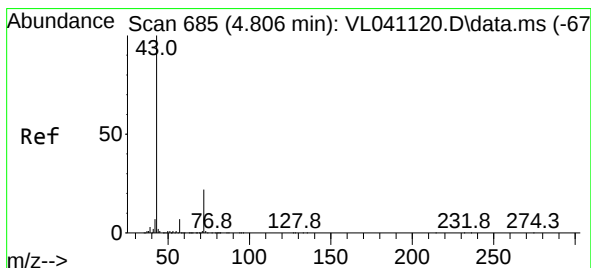
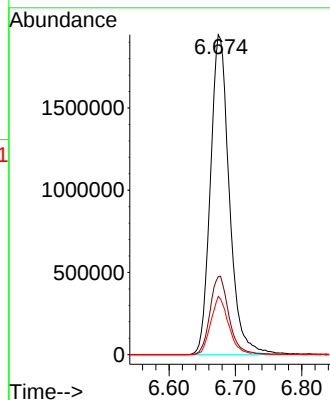
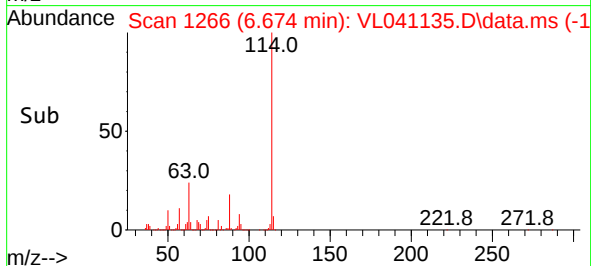
88 17.5 14.5 21.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/05/2024

Supervised By :Mahesh Dadoda 04/05/2024



#34

2-Butanone

Concen: 19.260 ppbv

RT: 4.800 min Scan# 683

Delta R.T. -0.006 min

Lab File: VL041135.D

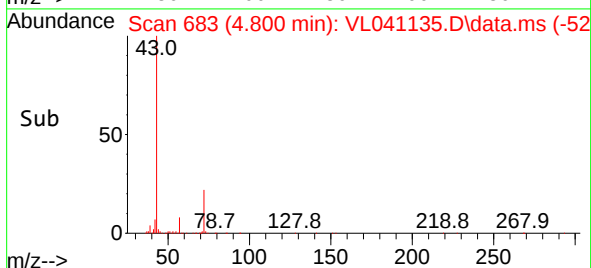
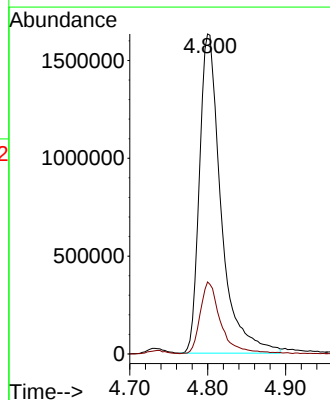
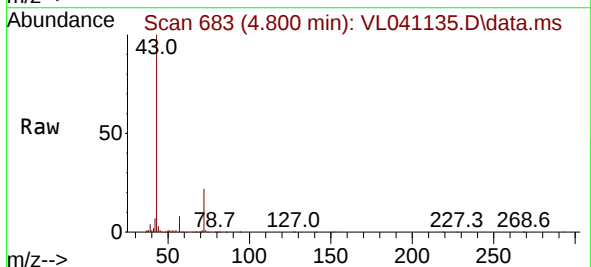
Acq: 4 Apr 2024 21:32

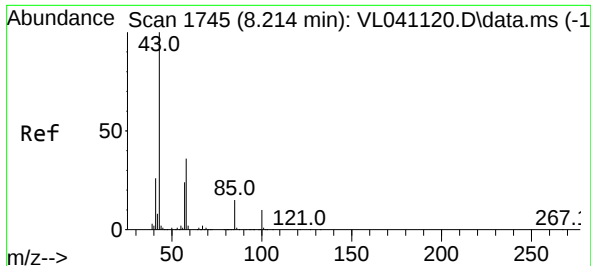
Tgt Ion: 43 Resp: 3143525

Ion Ratio Lower Upper

43 100

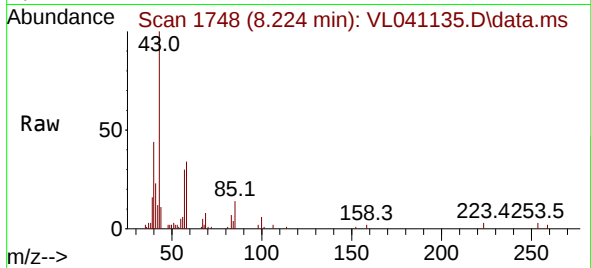
72 21.7 17.6 26.4





#50
4-Methyl-2-Pentanone
Concen: 0.108 ppbv m
RT: 8.224 min Scan# 1745
Delta R.T. 0.010 min
Lab File: VL041135.D
Acq: 4 Apr 2024 21:32

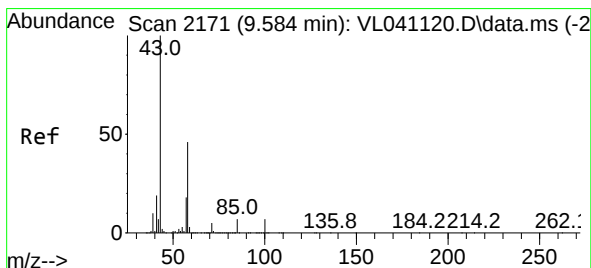
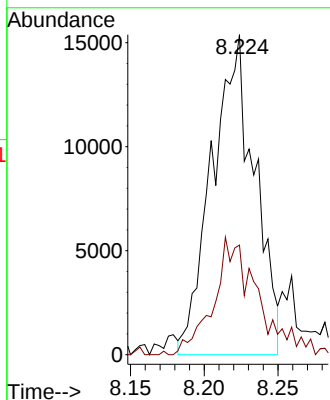
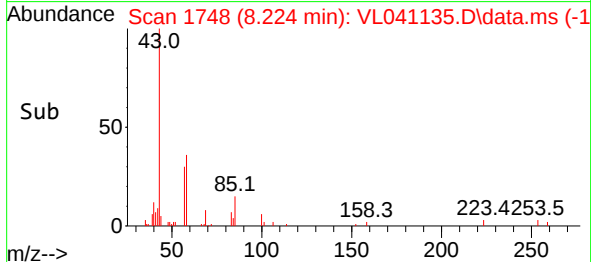
Instrument :
MSVOA_L
ClientSampleId :
SV2



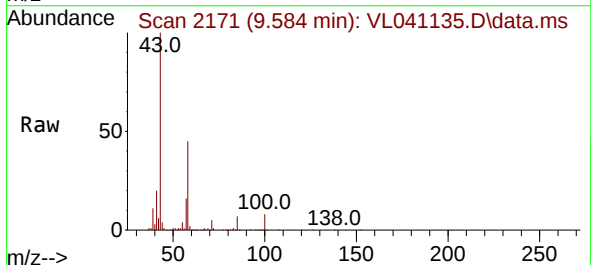
Tgt Ion: 43 Resp: 3096
Ion Ratio Lower Upper
43 100
58 0.0 27.7 41.5

Manual Integrations
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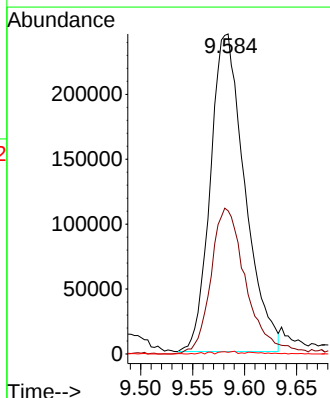
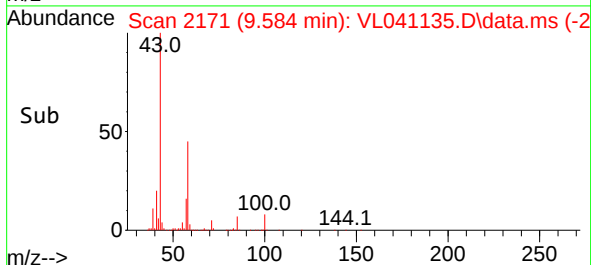
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

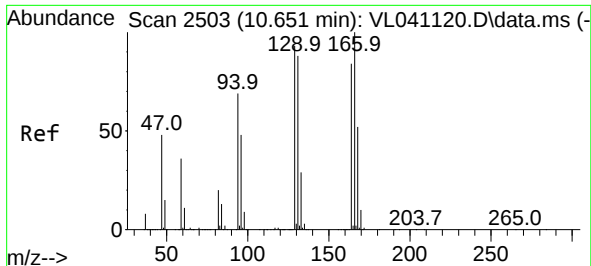


#51
2-Hexanone
Concen: 2.835 ppbv
RT: 9.584 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VL041135.D
Acq: 4 Apr 2024 21:32



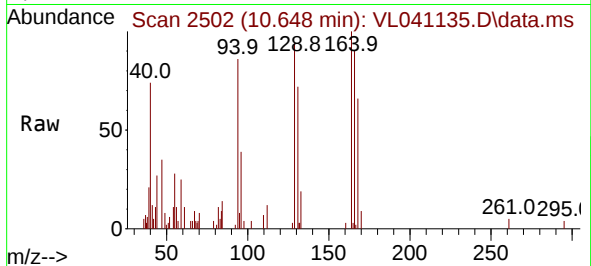
Tgt Ion: 43 Resp: 564509
Ion Ratio Lower Upper
43 100
58 47.0 37.3 55.9
98 0.8 0.3 0.5





#52
Tetrachloroethene
Concen: 0.136 ppbv m
RT: 10.648 min Scan# 2129
Delta R.T. -0.003 min
Lab File: VL041135.D
Acq: 4 Apr 2024 21:32

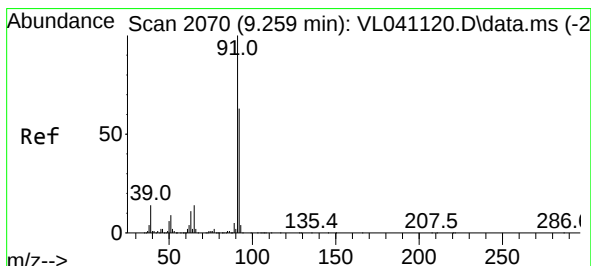
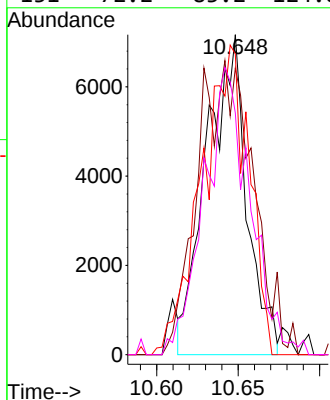
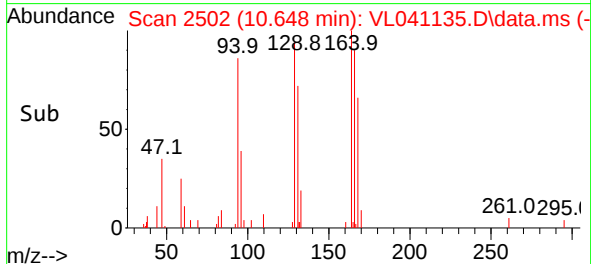
Instrument : MSVOA_L
ClientSampleId : SV2



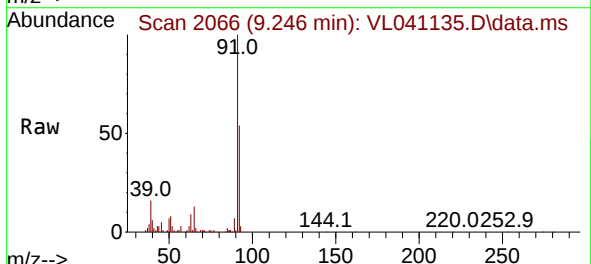
Tgt Ion: 164 Resp: 12294
Ion Ratio Lower Upper
164 100
166 89.6 95.0 142.6
129 94.0 88.7 133.1
131 72.2 83.2 124.8

Manual Integrations
APPROVED

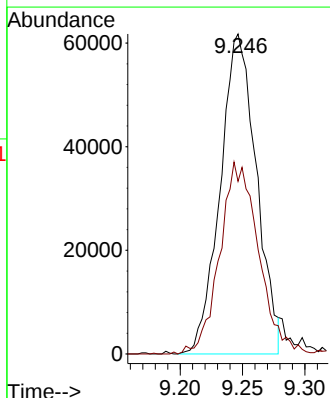
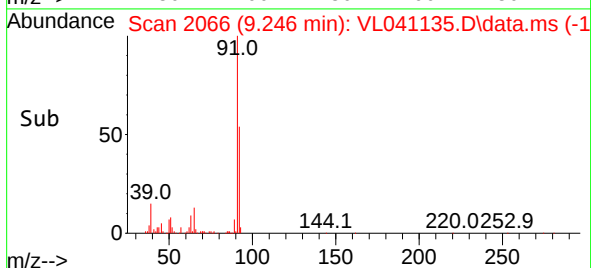
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

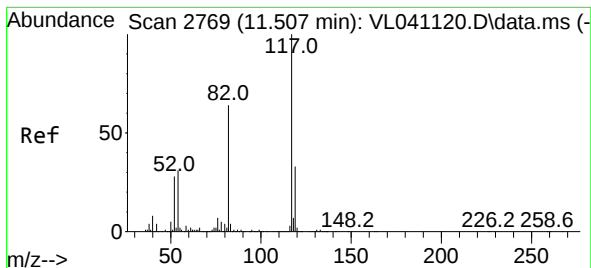


#53
Toluene
Concen: 0.418 ppbv
RT: 9.246 min Scan# 2066
Delta R.T. -0.013 min
Lab File: VL041135.D
Acq: 4 Apr 2024 21:32



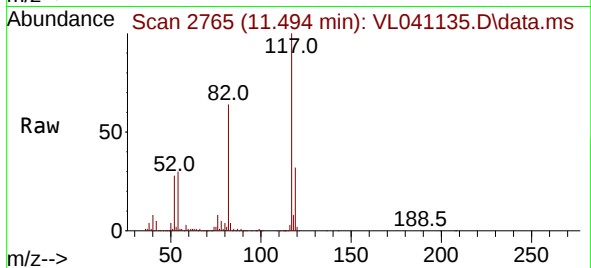
Tgt Ion: 91 Resp: 124643
Ion Ratio Lower Upper
91 100
92 64.5 49.0 73.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL041135.D
Acq: 4 Apr 2024 21:32

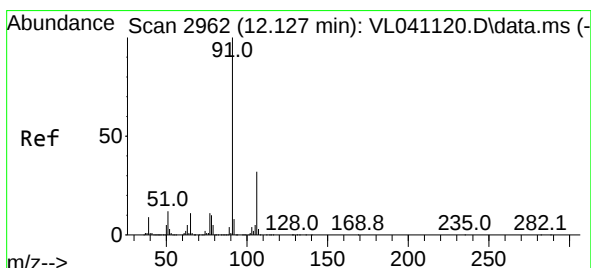
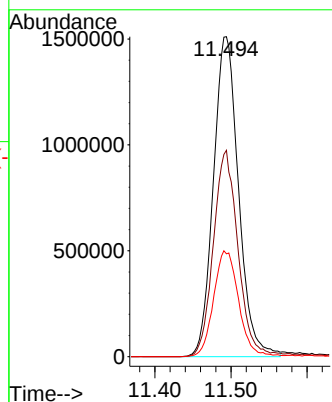
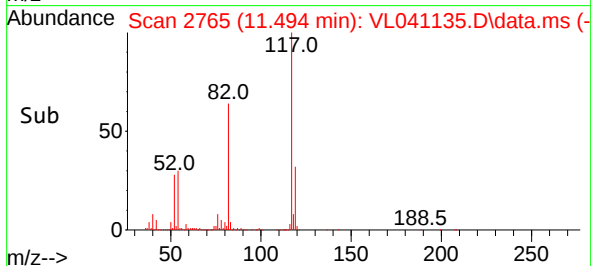
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:117 Resp: 3471280
Ion Ratio Lower Upper
117 100
82 64.7 51.0 76.6
119 33.5 25.2 37.8

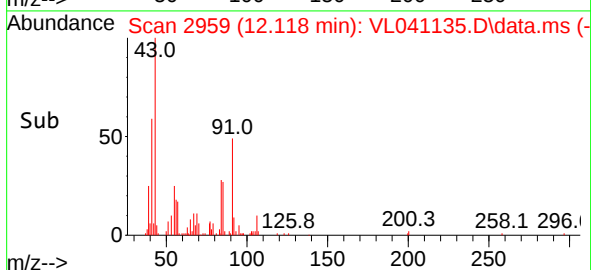
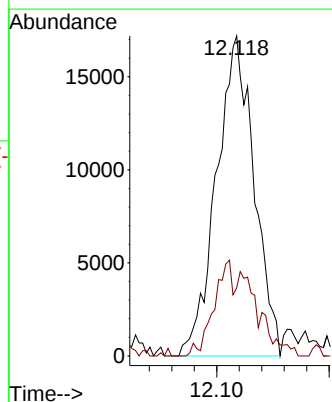
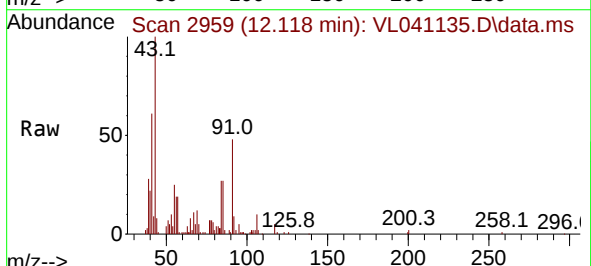
Manual Integrations
APPROVED

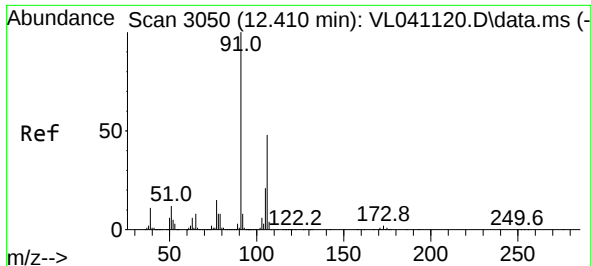
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#58
Ethyl Benzene
Concen: 0.105 ppbv m
RT: 12.118 min Scan# 2959
Delta R.T. -0.010 min
Lab File: VL041135.D
Acq: 4 Apr 2024 21:32

Tgt Ion: 91 Resp: 39978
Ion Ratio Lower Upper
91 100
106 21.3 25.6 38.4#





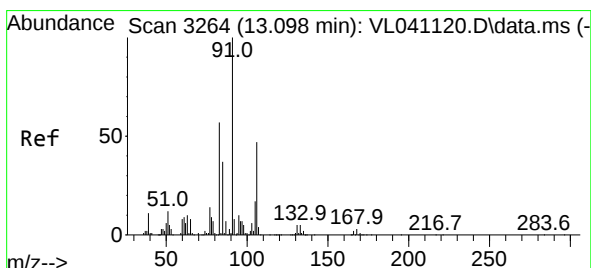
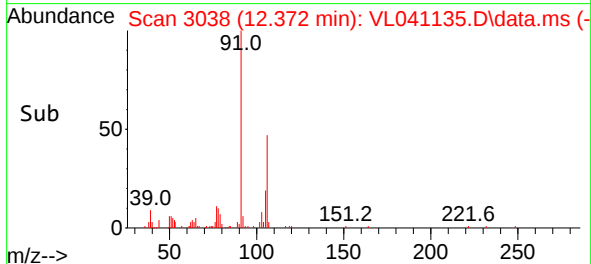
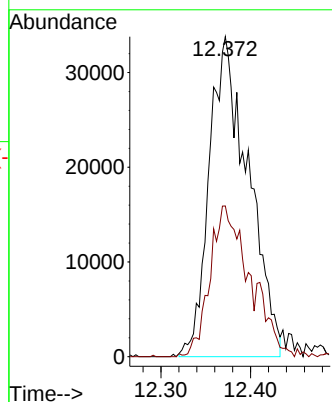
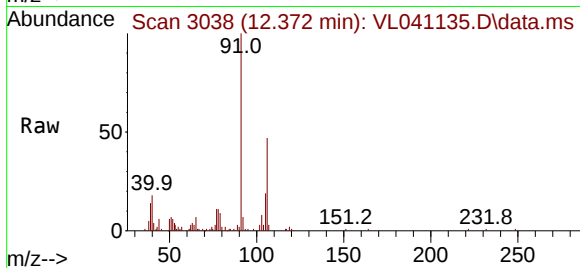
#59
m/p-Xylene
Concen: 0.297 ppbv m
RT: 12.372 min Scan# 3050
Delta R.T. -0.038 min
Lab File: VL041135.D
Acq: 4 Apr 2024 21:32

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 102091
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2

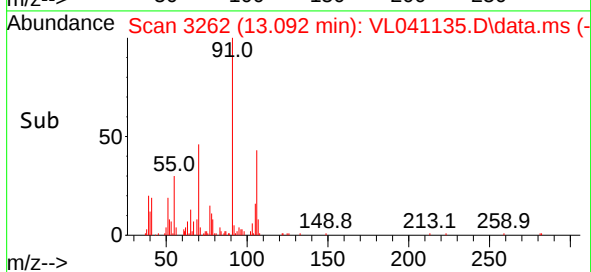
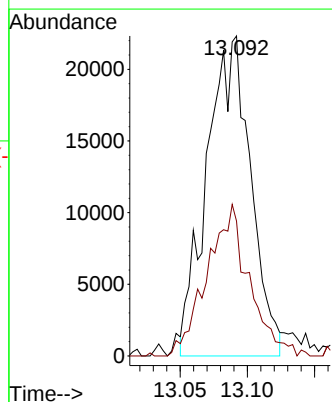
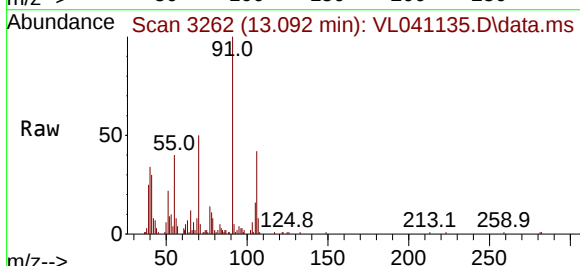
Manual Integrations
APPROVED

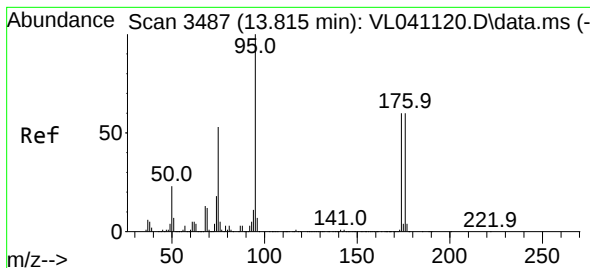
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#60
o-Xylene
Concen: 0.155 ppbv m
RT: 13.092 min Scan# 3262
Delta R.T. -0.006 min
Lab File: VL041135.D
Acq: 4 Apr 2024 21:32

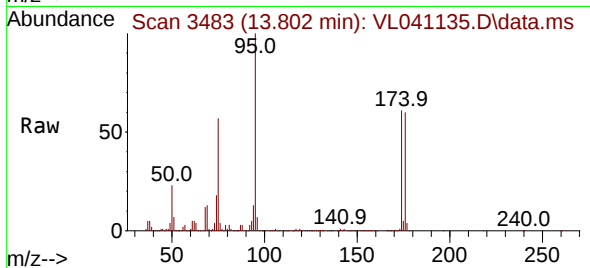
Tgt Ion: 91 Resp: 50521
Ion Ratio Lower Upper
91 100
106 0.0 22.9 68.5





#68
1-Bromo-4-Fluorobenzene
Concen: 10.008 ppbv
RT: 13.802 min Scan# 3487
Delta R.T. -0.013 min
Lab File: VL041135.D
Acq: 4 Apr 2024 21:32

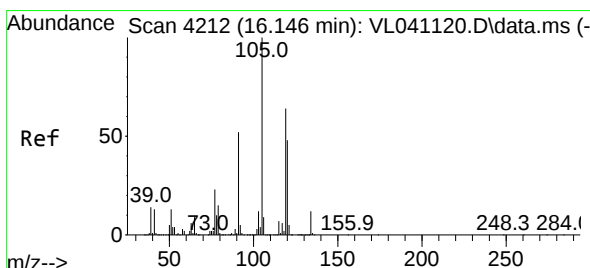
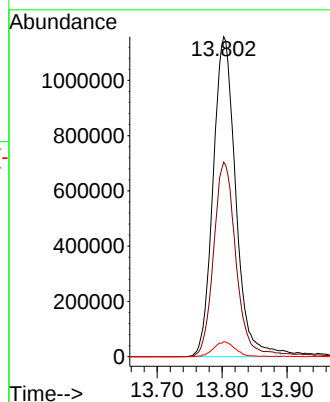
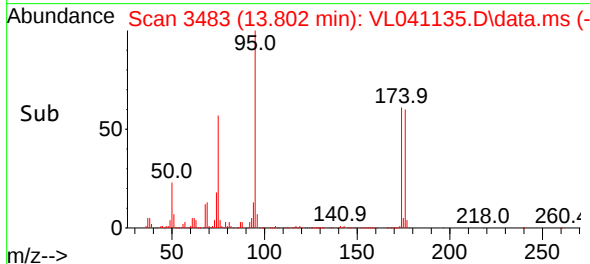
Instrument :
MSVOA_L
ClientSampleId :
SV2



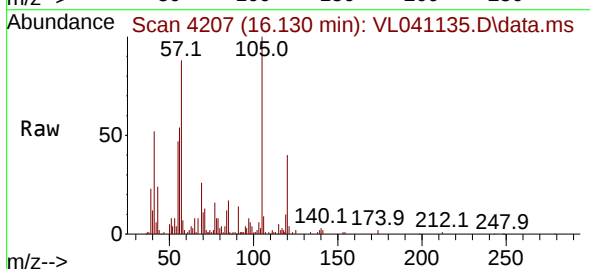
Tgt Ion: 95 Resp: 279347
Ion Ratio Lower Upper
95 100
174 61.7 49.3 73.9
175 4.6 3.6 5.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.265 ppbv
RT: 16.130 min Scan# 4207
Delta R.T. -0.016 min
Lab File: VL041135.D
Acq: 4 Apr 2024 21:32



Tgt Ion:105 Resp: 97033
Ion Ratio Lower Upper
105 100
120 39.3 38.9 58.3
91 12.2 43.0 64.6#
77 13.1 18.6 28.0#

