

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072224\
 Data File : VL041392.D
 Acq On : 22 Jul 2024 19:04
 Operator : SY/MD
 Sample : P3259-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

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

Quant Time: Jul 23 03:18:27 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	5.208	49	969466	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2592724	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2316893	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1787025	10.291	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.900%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.758	85	23274	0.141	ppbv	99
9) Propene	2.726	41	12069m	0.209	ppbv	
13) Ethanol	3.301	45	2874m	0.224	ppbv	
15) Acetone	3.497	43	1245906	9.731	ppbv	95
19) Isopropyl Alcohol	3.636	45	8900m	0.127	ppbv	
20) Methylene Chloride	3.957	84	107282	2.309	ppbv	93
25) Ethyl Acetate	5.230	43	115257	0.489	ppbv #	85
26) Hexane	5.227	57	125059	1.198	ppbv #	49
32) 1,1,1-Trichloroethane	6.015	97	14533m	0.086	ppbv	
34) 2-Butanone	4.822	43	66219	0.484	ppbv	92
51) 2-Hexanone	9.577	43	62852m	0.402	ppbv	
52) Tetrachloroethene	10.619	164	8775m	0.102	ppbv	
53) Toluene	9.224	91	64037	0.265	ppbv	94
57) Chlorobenzene	11.571	112	64750m	0.356	ppbv	
58) Ethyl Benzene	12.085	91	31239	0.101	ppbv	96
59) m/p-Xylene	12.346	91	101416m	0.378	ppbv	
60) o-Xylene	13.053	91	55180m	0.218	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.027	83	34524m	0.173	ppbv	
72) 4-Ethyltoluene	15.185	105	39568	0.131	ppbv #	86
73) 1,3,5-Trimethylbenzene	15.352	105	58797m	0.228	ppbv	
74) 1,2,4-Trimethylbenzene	16.101	105	104623	0.360	ppbv #	75

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

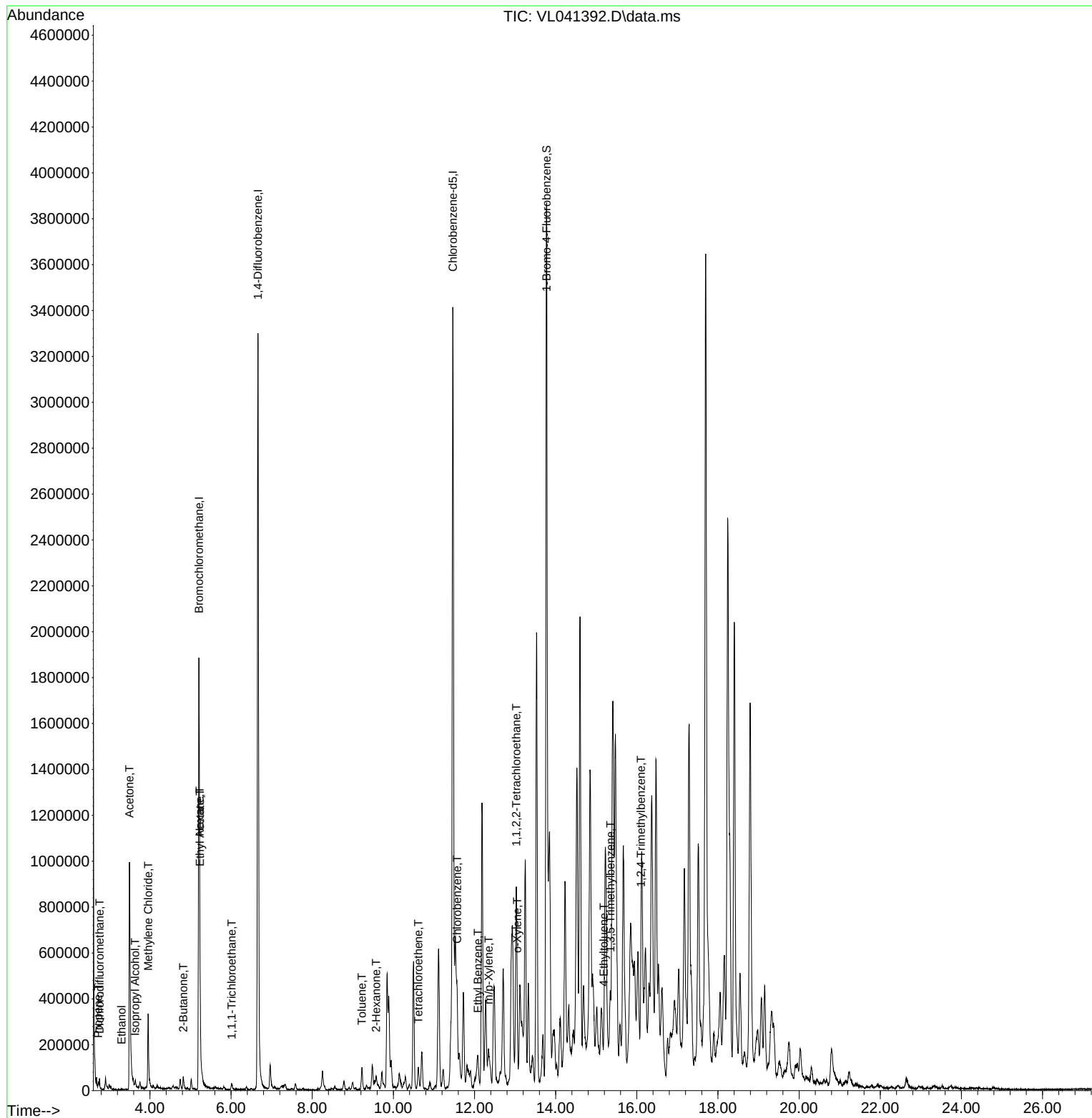
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072224\
Data File : VL041392.D
Acq On : 22 Jul 2024 19:04
Operator : SY/MD
Sample : P3259-02DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

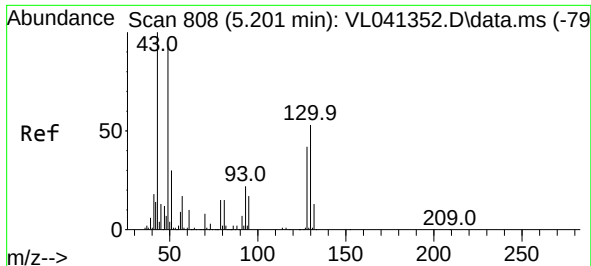
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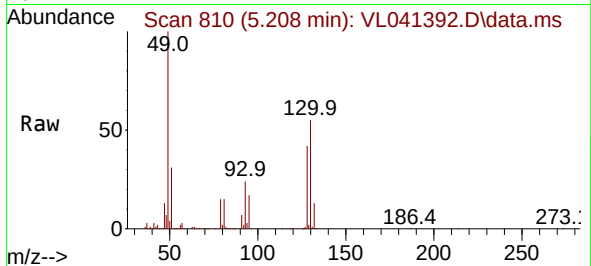
Quant Time: Jul 23 03:18:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Jul 23 02:50:01 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

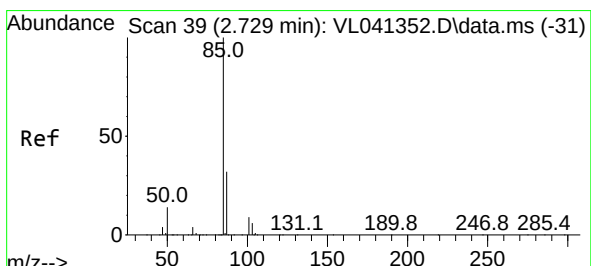
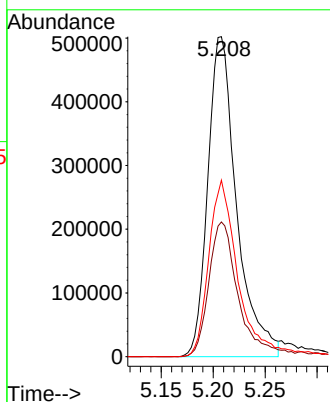
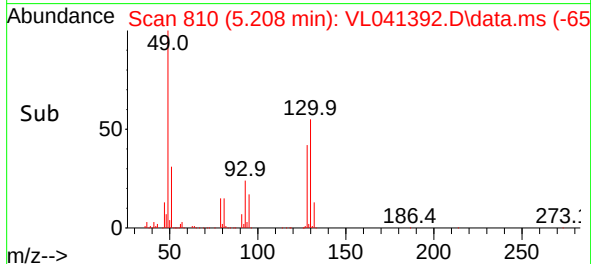
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 49 Resp: 96946
Ion Ratio Lower Upper
49 100
128 45.5 22.8 68.3
130 58.0 28.9 86.7

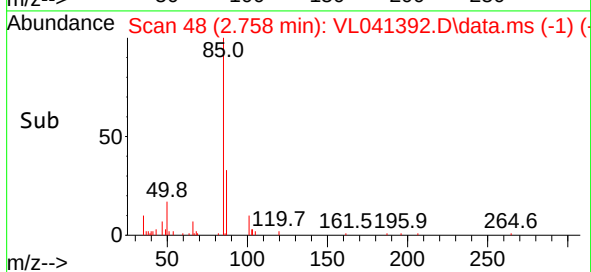
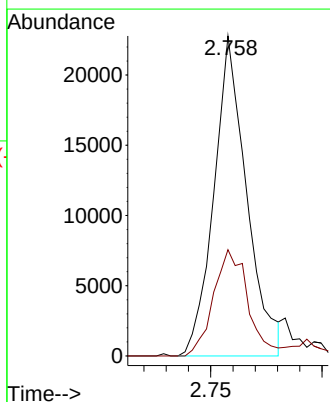
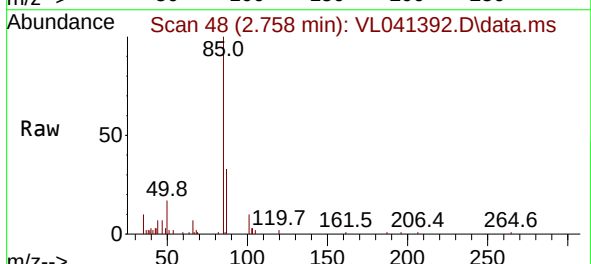
Manual Integrations
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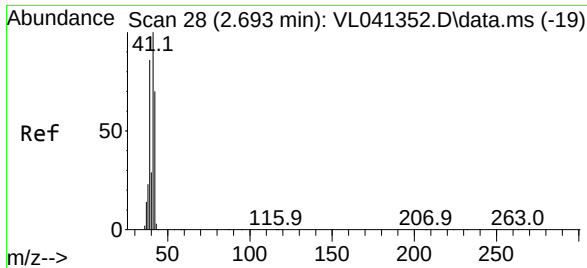
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#2
Dichlorodifluoromethane
Concen: 0.141 ppbv
RT: 2.758 min Scan# 48
Delta R.T. -0.016 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

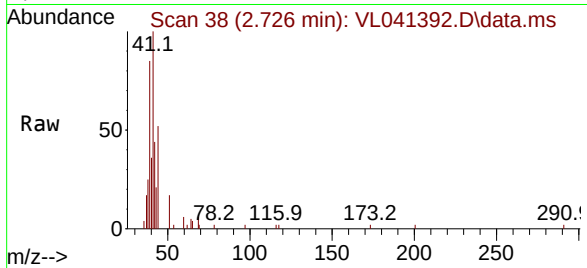
Tgt Ion: 85 Resp: 23274
Ion Ratio Lower Upper
85 100
87 33.2 25.9 38.9





#9
Propene
Concen: 0.209 ppbv m
RT: 2.726 min Scan# 30
Delta R.T. -0.010 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

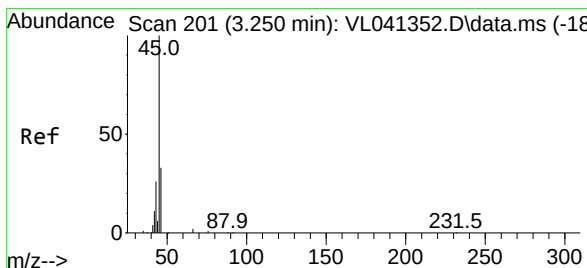
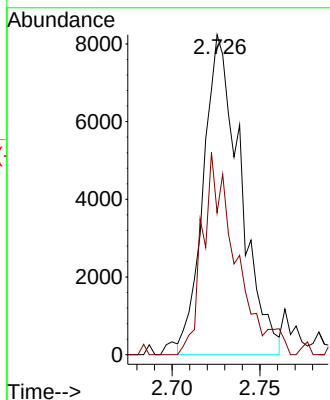
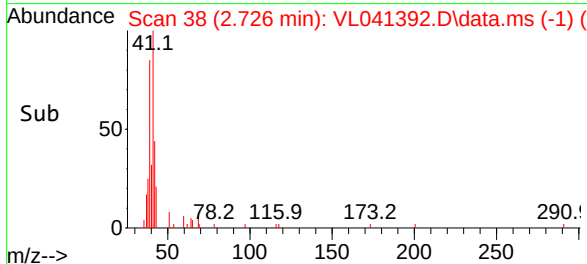
Instrument :
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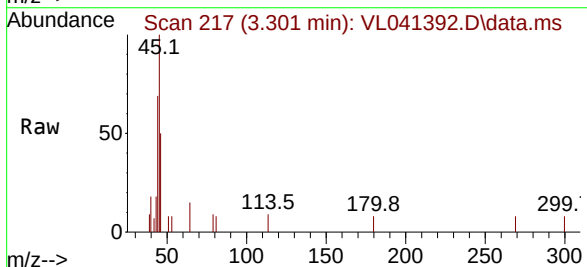
Tgt Ion: 41 Resp: 12069
Ion Ratio Lower Upper
41 100
42 58.6 55.8 83.8

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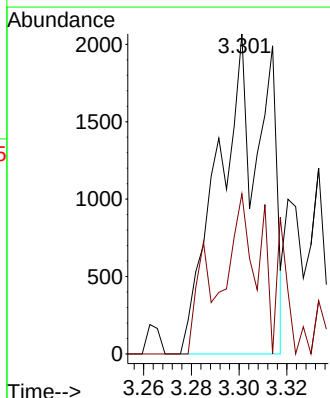
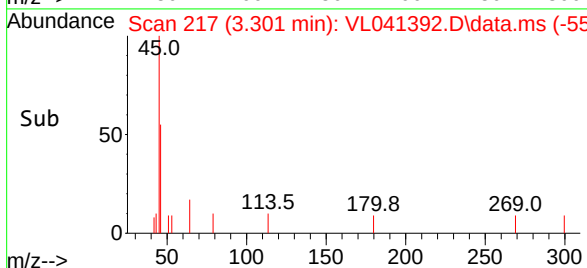
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

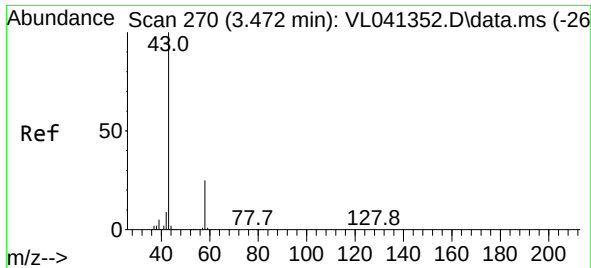


#13
Ethanol
Concen: 0.224 ppbv m
RT: 3.301 min Scan# 217
Delta R.T. 0.019 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04



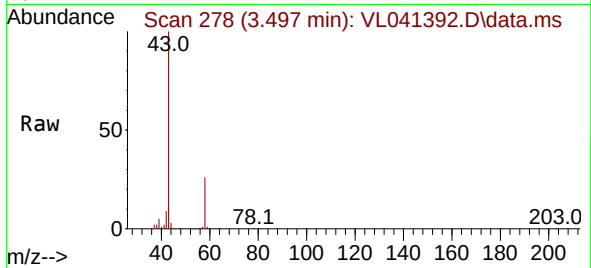
Tgt Ion: 45 Resp: 2874
Ion Ratio Lower Upper
45 100
46 0.0 13.3 53.3#





#15
Acetone
Concen: 9.731 ppbv
RT: 3.497 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

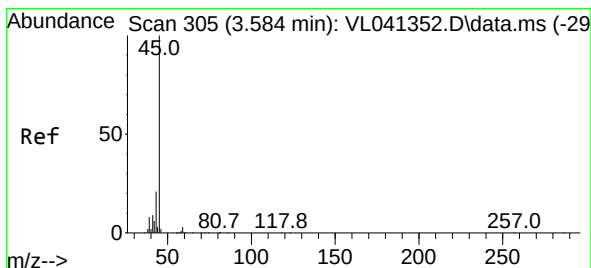
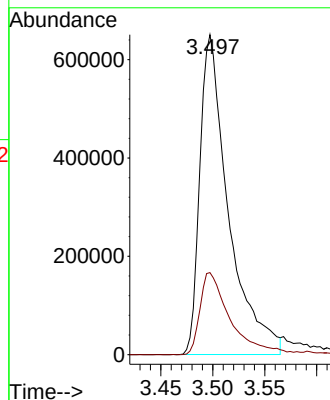
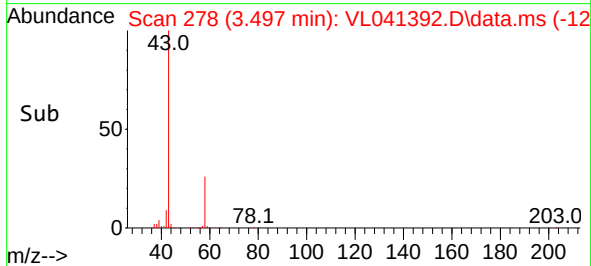
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 43 Resp: 1245900
Ion Ratio Lower Upper
43 100
58 28.0 20.3 30.5

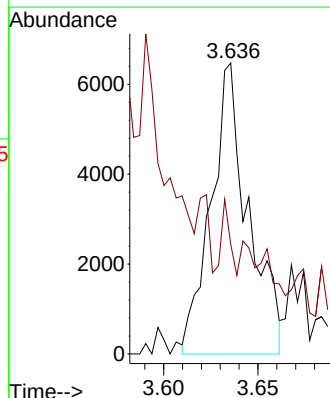
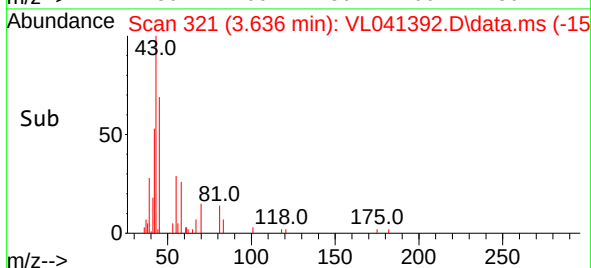
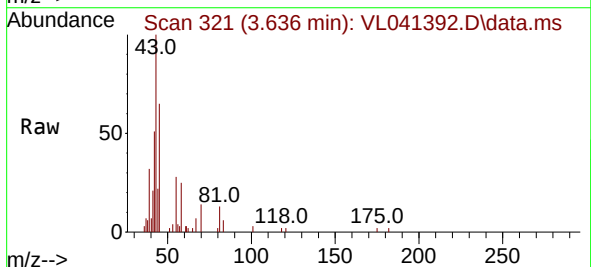
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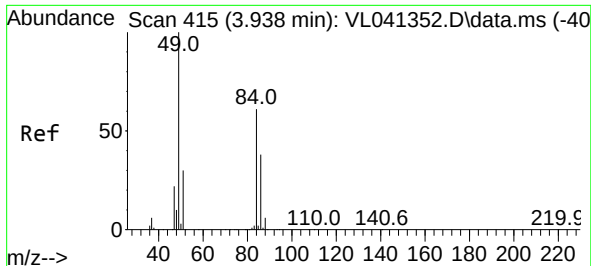
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#19
Isopropyl Alcohol
Concen: 0.127 ppbv m
RT: 3.636 min Scan# 321
Delta R.T. 0.026 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

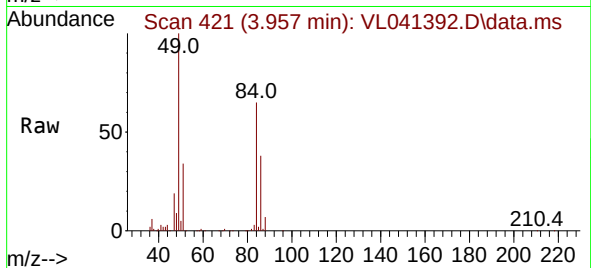
Tgt Ion: 45 Resp: 8900
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4#





#20
Methylene Chloride
Concen: 2.309 ppbv
RT: 3.957 min Scan# 415
Delta R.T. -0.006 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

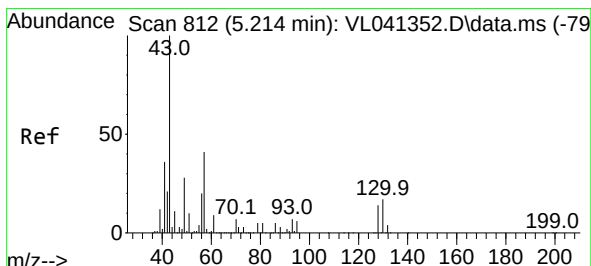
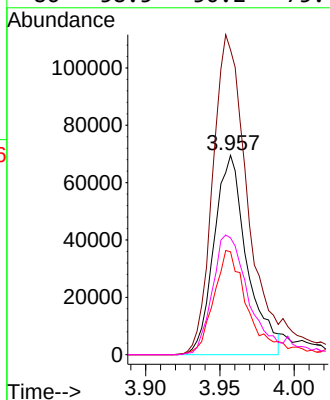
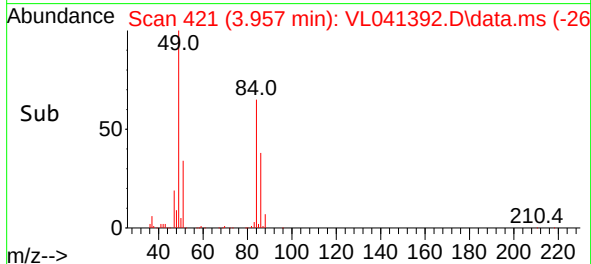
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 84 Resp: 10728
Ion Ratio Lower Upper
84 100
49 152.5 131.8 197.6
51 51.6 39.6 59.4
86 58.5 50.2 75.4

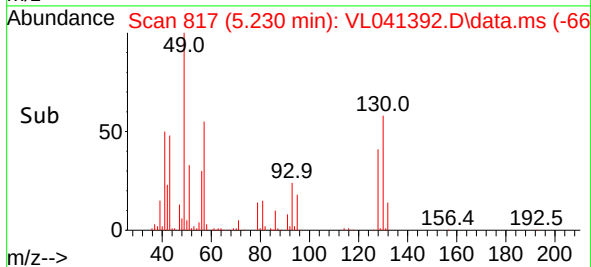
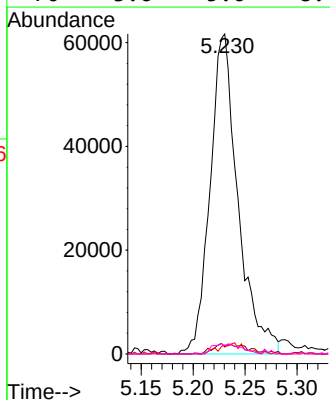
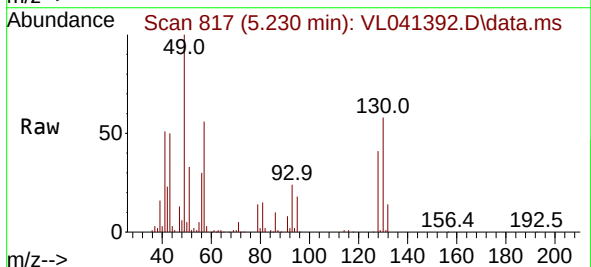
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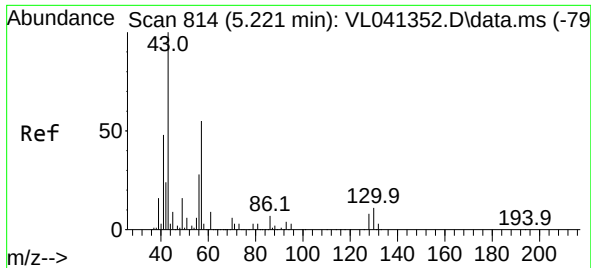
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#25
Ethyl Acetate
Concen: 0.489 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.003 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

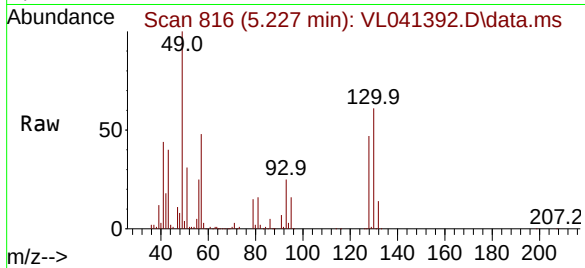
Tgt Ion: 43 Resp: 115257
Ion Ratio Lower Upper
43 100
45 4.0 8.3 12.5#
61 3.1 7.7 11.5#
70 3.6 5.6 8.4#





#26
Hexane
Concen: 1.198 ppbv
RT: 5.227 min Scan# 814
Delta R.T. -0.003 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

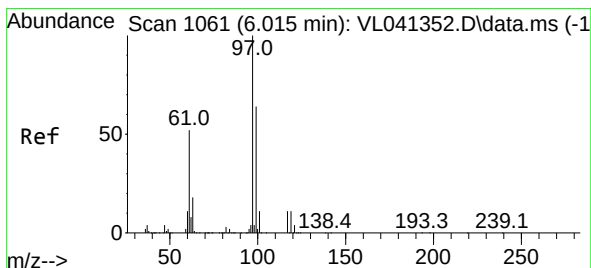
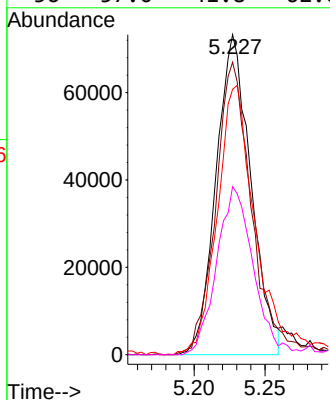
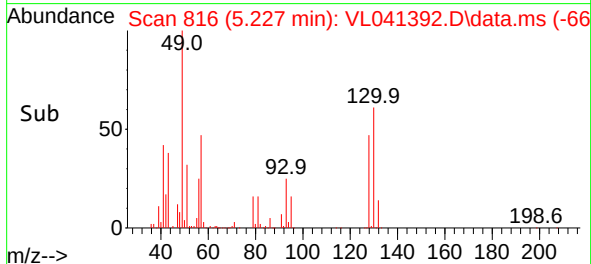
Instrument :
MSVOA_L
Client Sample Id :
SV2DL



Tgt Ion: 57 Resp: 125059
Ion Ratio Lower Upper
57 100
41 97.5 73.7 110.5
43 97.3 182.2 273.2
56 57.0 41.8 62.6

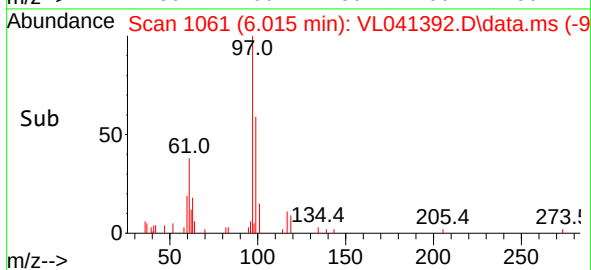
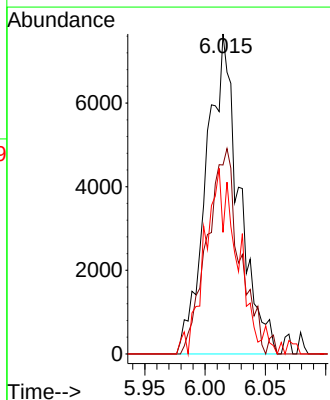
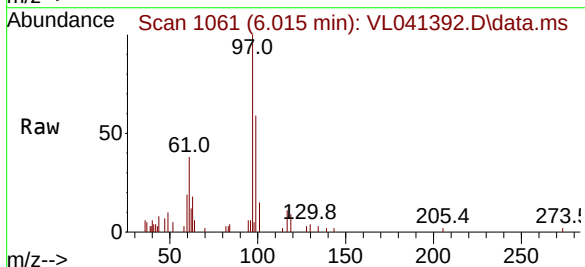
Manual Integrations
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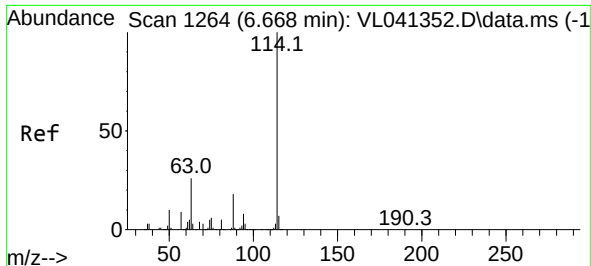
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#32
1,1,1-Trichloroethane
Concen: 0.086 ppbv m
RT: 6.015 min Scan# 1061
Delta R.T. -0.003 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

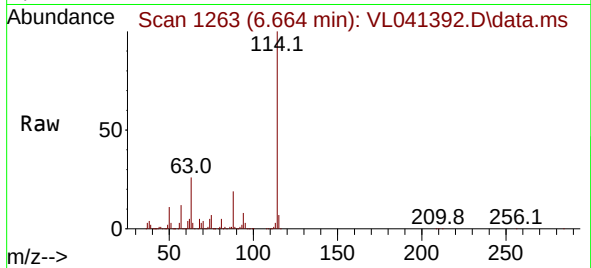
Tgt Ion: 97 Resp: 14533
Ion Ratio Lower Upper
97 100
99 64.1 52.0 78.0
61 59.2 43.0 64.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 114
Delta R.T. -0.003 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

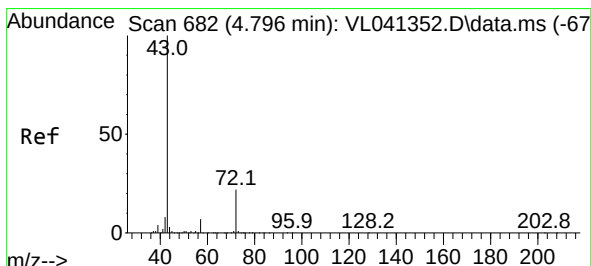
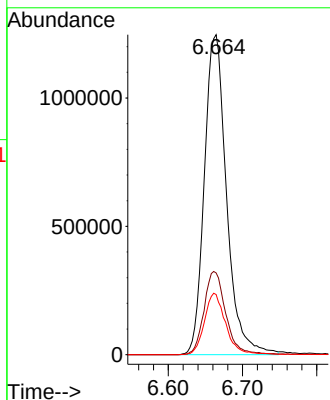
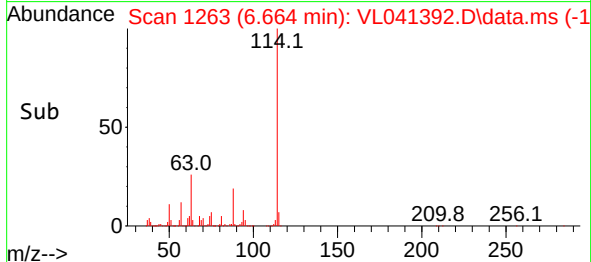
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion:114 Resp: 2592724
Ion Ratio Lower Upper
114 100
63 25.7 20.6 31.0
88 18.4 14.6 21.8

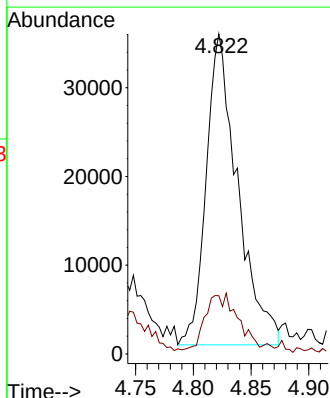
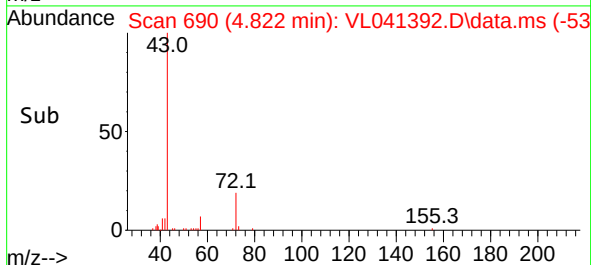
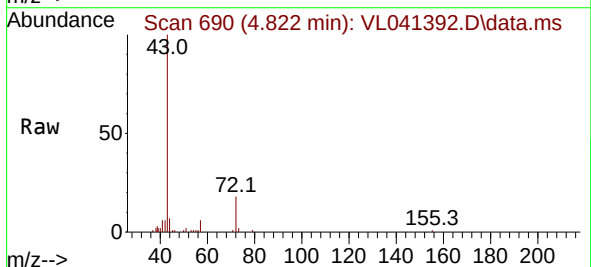
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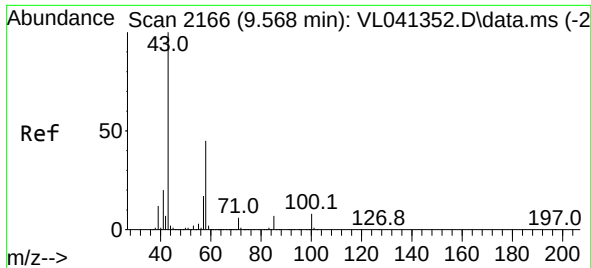
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#34
2-Butanone
Concen: 0.484 ppbv
RT: 4.822 min Scan# 690
Delta R.T. 0.013 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

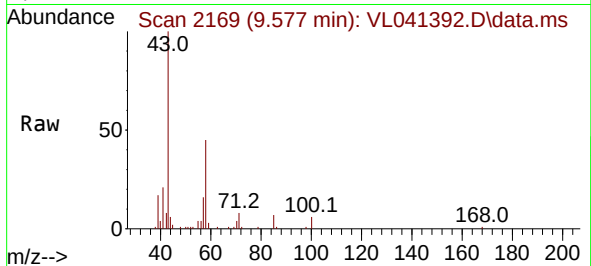
Tgt Ion: 43 Resp: 66219
Ion Ratio Lower Upper
43 100
72 25.1 17.2 25.8





#51
2-Hexanone
Concen: 0.402 ppbv m
RT: 9.577 min Scan# 2166
Delta R.T. 0.019 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

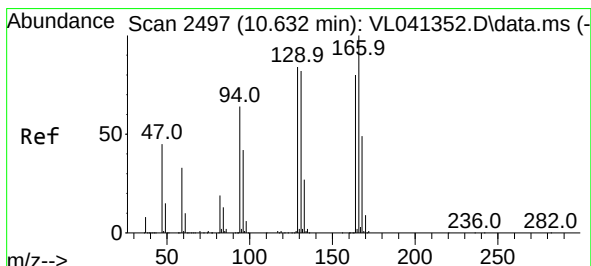
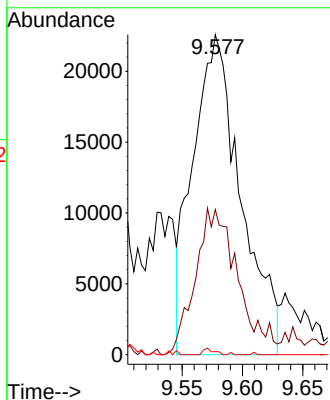
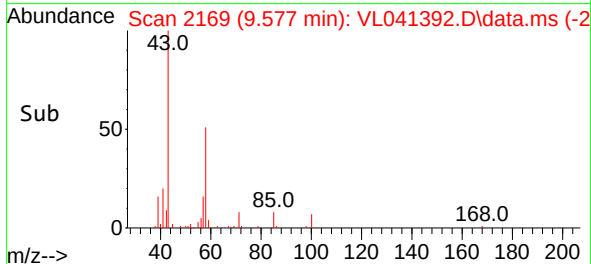
Instrument :
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Tgt Ion: 43 Resp: 6285
Ion Ratio Lower Upper
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98 0.0 0.2 0.2

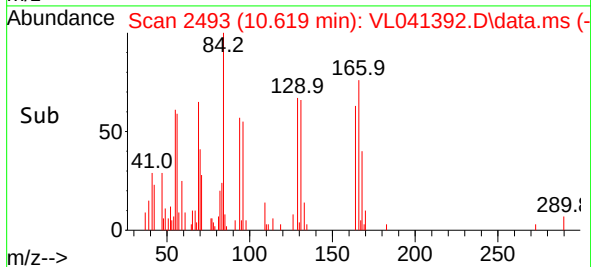
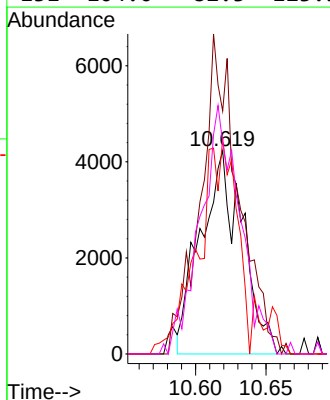
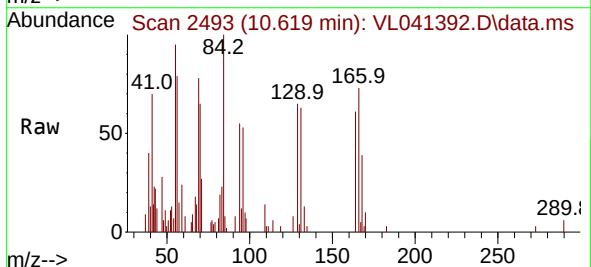
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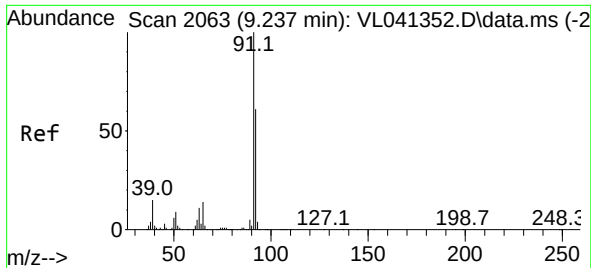
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#52
Tetrachloroethene
Concen: 0.102 ppbv m
RT: 10.619 min Scan# 2493
Delta R.T. 0.000 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

Tgt Ion:164 Resp: 8775
Ion Ratio Lower Upper
164 100
166 119.5 99.8 149.8
129 105.8 83.8 125.6
131 104.0 82.3 123.5





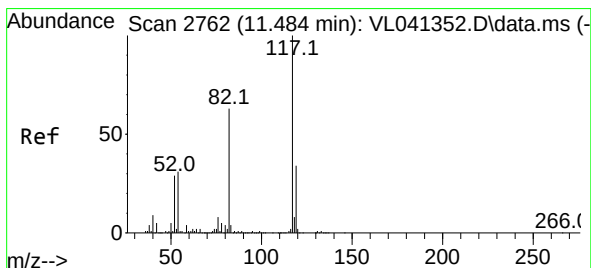
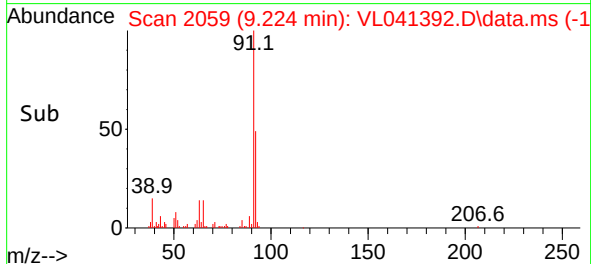
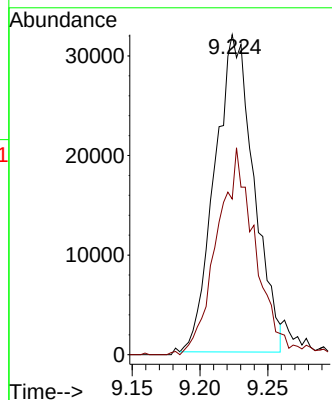
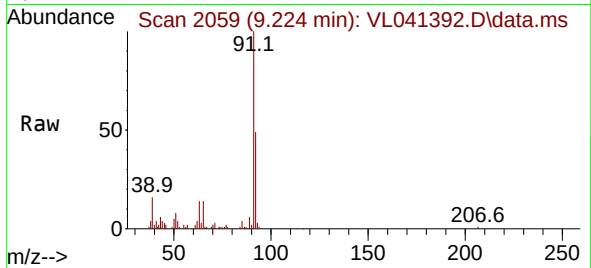
#53
Toluene
Concen: 0.265 ppbv
RT: 9.224 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 91 Resp: 6403
Ion Ratio Lower Upper
91 100
92 65.2 48.5 72.7

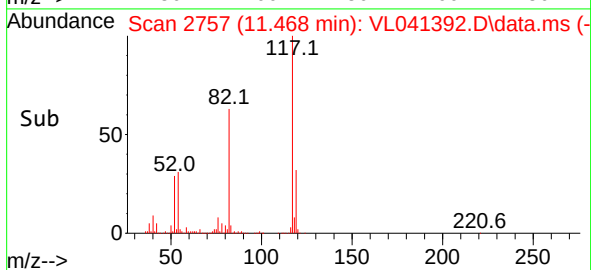
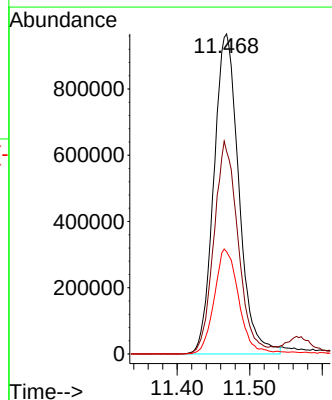
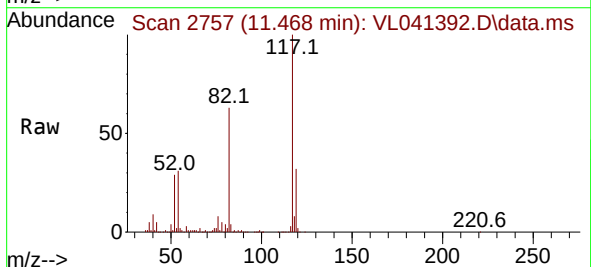
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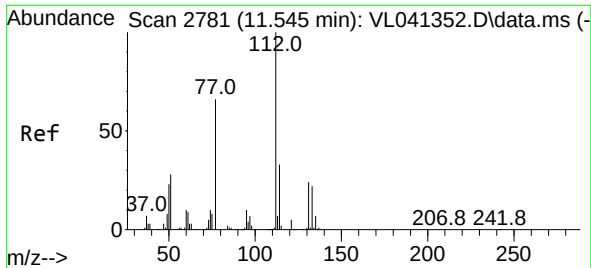
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.000 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

Tgt Ion:117 Resp: 2316893
Ion Ratio Lower Upper
117 100
82 64.7 50.6 75.8
119 33.1 24.7 37.1





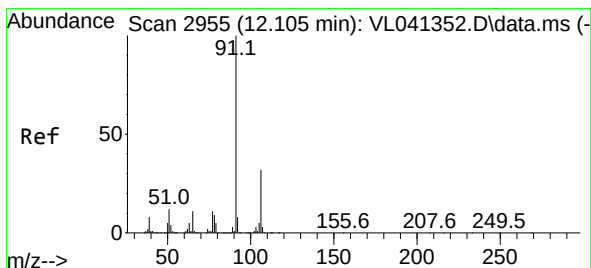
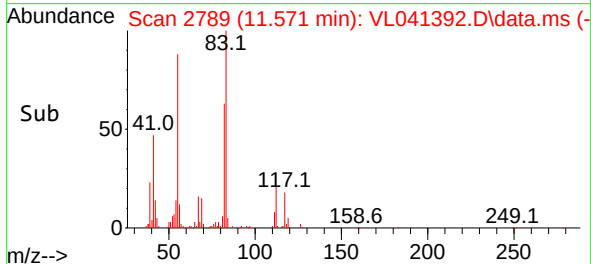
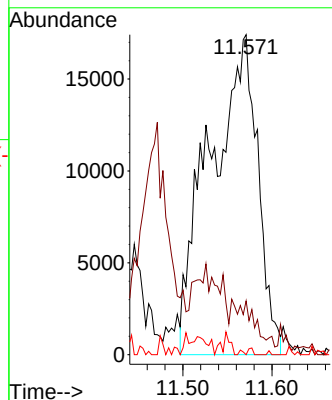
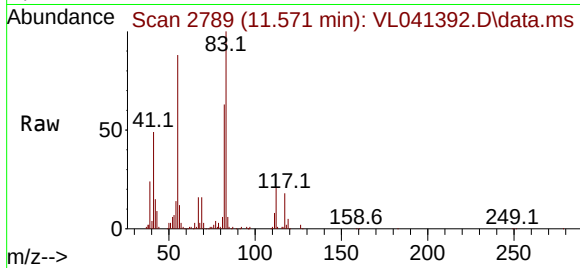
#57
Chlorobenzene
Concen: 0.356 ppbv m
RT: 11.571 min Scan# 21
Delta R.T. 0.045 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion:112 Resp: 64750
Ion Ratio Lower Upper
112 100
77 16.8 53.2 79.8
114 0.0 30.1 36.7

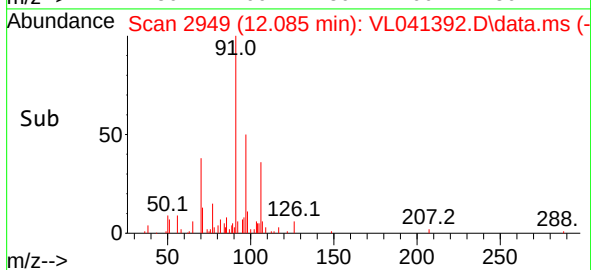
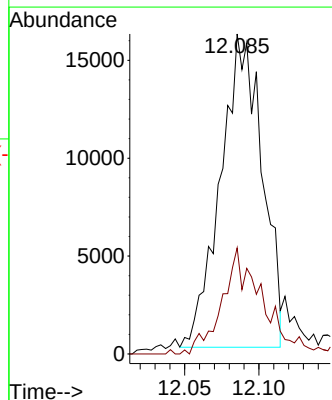
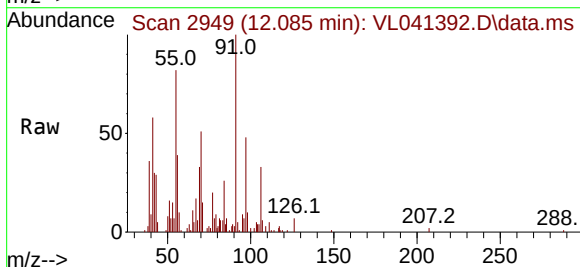
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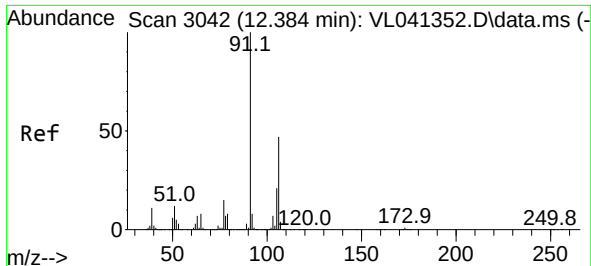
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#58
Ethyl Benzene
Concen: 0.101 ppbv
RT: 12.085 min Scan# 2949
Delta R.T. -0.003 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

Tgt Ion: 91 Resp: 31239
Ion Ratio Lower Upper
91 100
106 33.9 25.4 38.0





#59

m/p-Xylene

Concen: 0.378 ppbv m

RT: 12.346 min Scan# 3042

Delta R.T. -0.026 min

Lab File: VL041392.D

Acq: 22 Jul 2024 19:04

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

Tgt Ion: 91 Resp: 101410

Ion Ratio Lower Upper

91 100

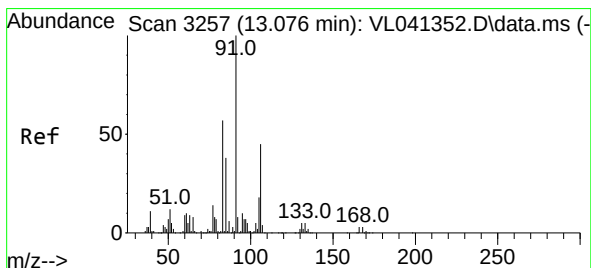
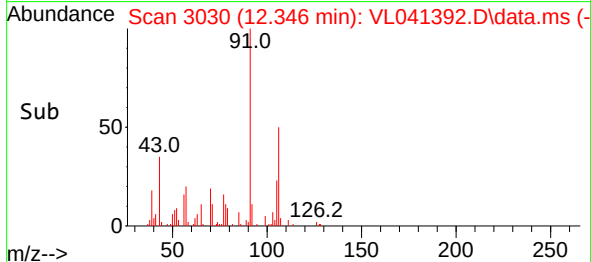
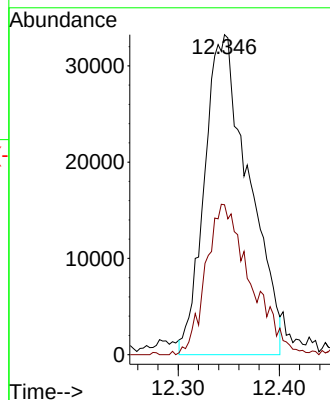
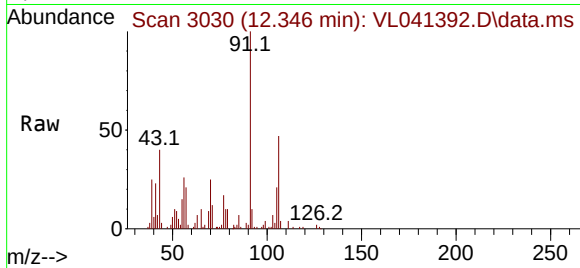
106 0.0 35.6 53.4

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Reviewed By :Mahesh Dadoda 07/23/2024

Supervised By :Semsettin Yesilyurt 07/24/2024



#60

o-Xylene

Concen: 0.218 ppbv m

RT: 13.053 min Scan# 3250

Delta R.T. -0.006 min

Lab File: VL041392.D

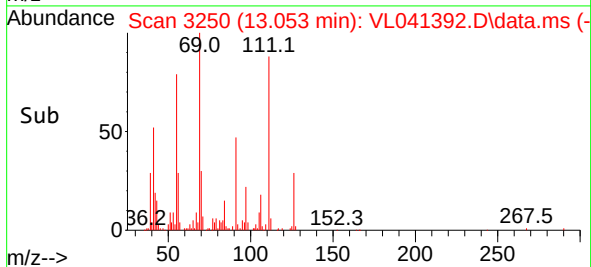
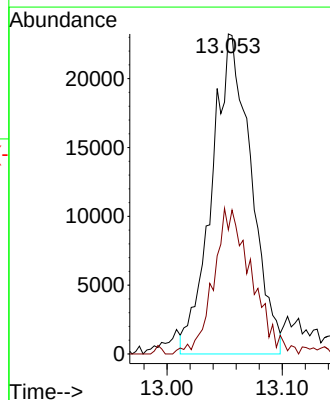
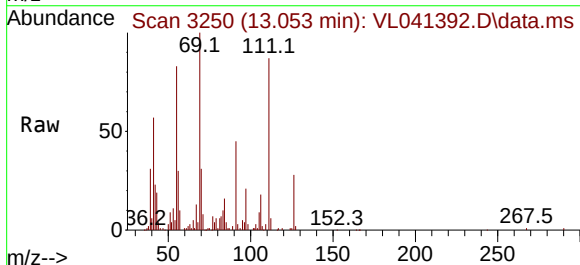
Acq: 22 Jul 2024 19:04

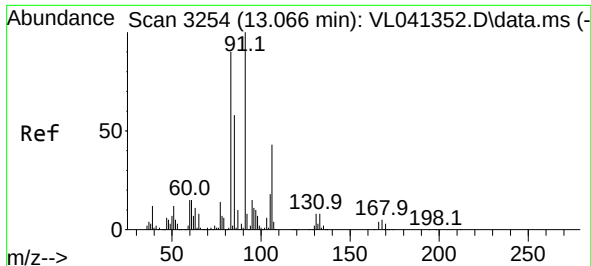
Tgt Ion: 91 Resp: 55180

Ion Ratio Lower Upper

91 100

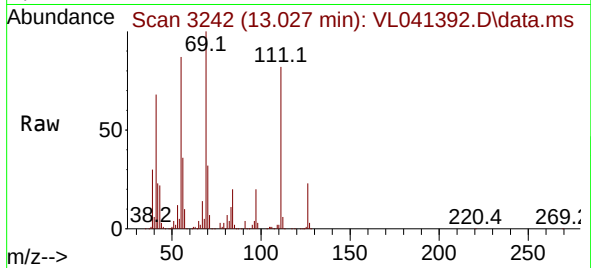
106 45.2 23.3 69.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.173 ppbv m
RT: 13.027 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

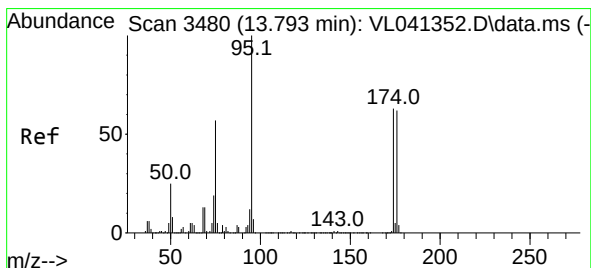
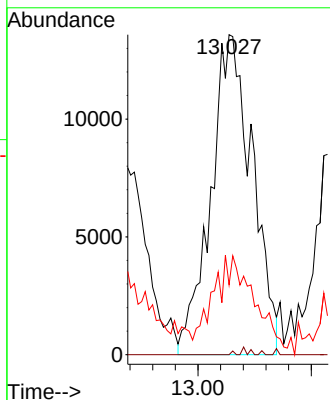
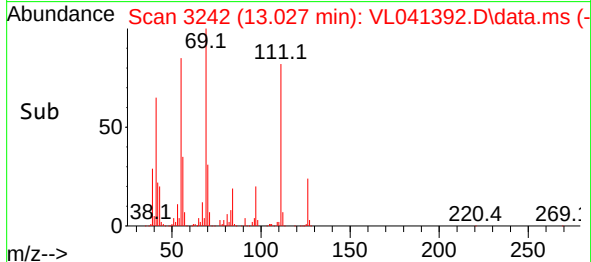
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



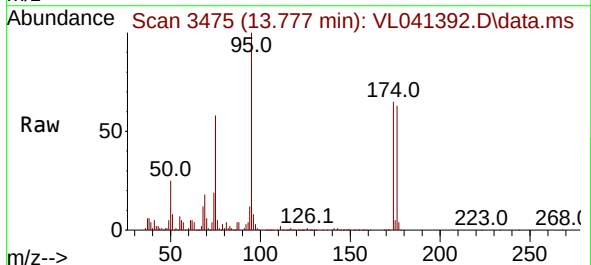
Tgt Ion: 83 Resp: 34524
Ion Ratio Lower Upper
83 100
131 0.6 4.8 14.4
85 0.0 33.0 98.9

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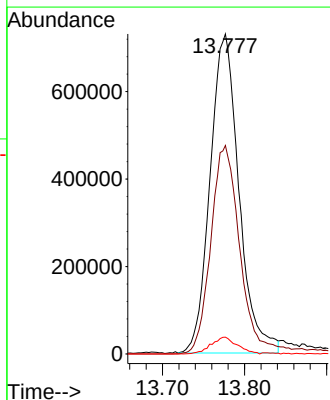
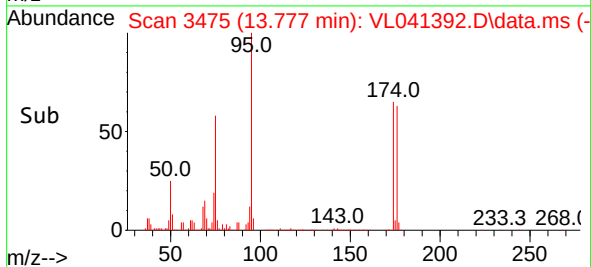
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

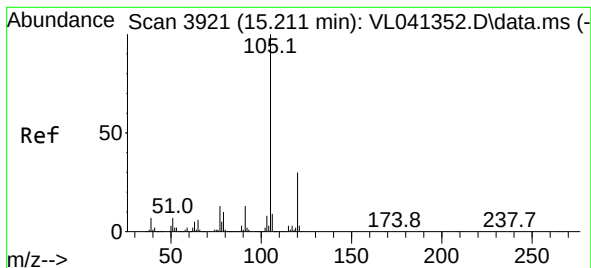


#68
1-Bromo-4-Fluorobenzene
Concen: 10.291 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.000 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04



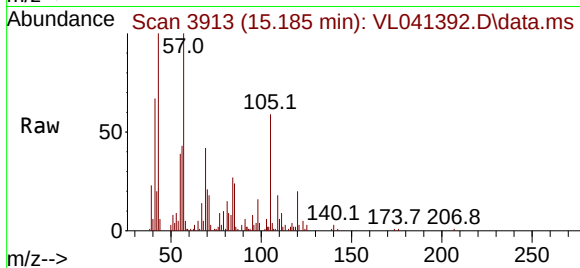
Tgt Ion: 95 Resp: 1787025
Ion Ratio Lower Upper
95 100
174 68.5 53.1 79.7
175 5.0 4.0 6.0





#72
4-Ethyltoluene
Concen: 0.131 ppbv
RT: 15.185 min Scan# 3913
Delta R.T. -0.006 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

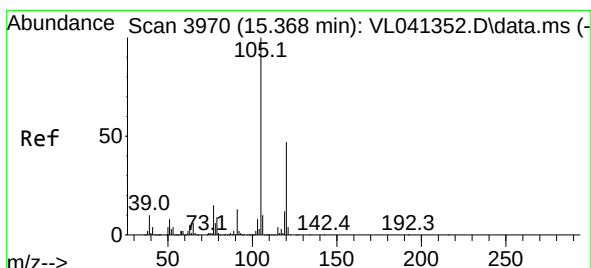
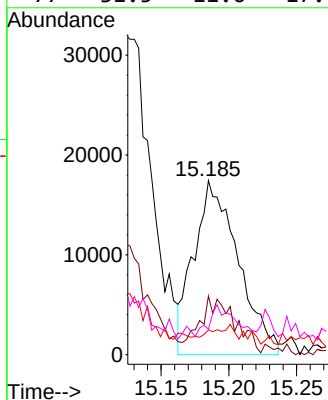
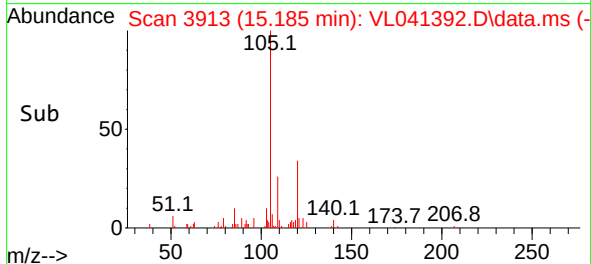
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion:105 Resp: 3956
Ion Ratio Lower Upper
105 100
120 28.2 24.2 36.4
91 10.2 10.2 15.2
77 31.5 11.6 17.4#

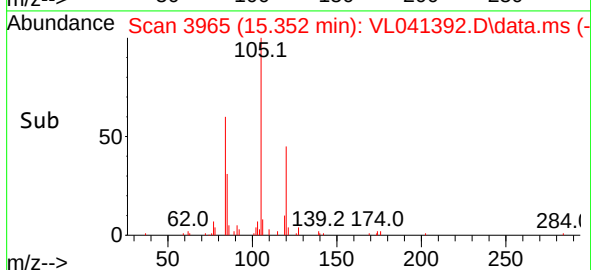
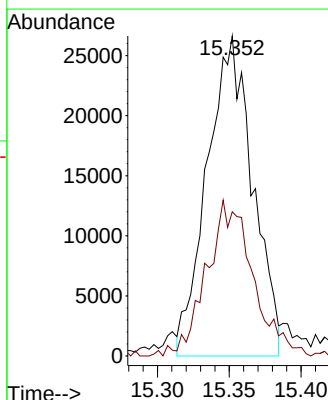
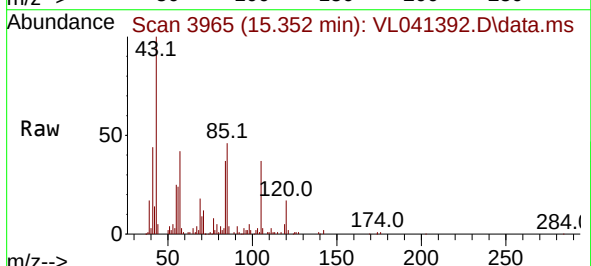
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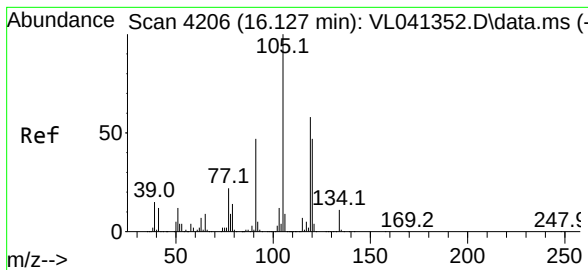
Reviewed By :Mahesh Dadoda 07/23/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#73
1,3,5-Trimethylbenzene
Concen: 0.228 ppbv m
RT: 15.352 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VL041392.D
Acq: 22 Jul 2024 19:04

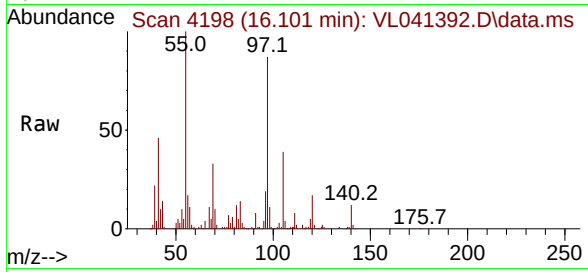
Tgt Ion:105 Resp: 58797
Ion Ratio Lower Upper
105 100
120 45.1 37.3 55.9





#74
 1,2,4-Trimethylbenzene
 Concen: 0.360 ppbv
 RT: 16.101 min Scan# 4198
 Delta R.T. -0.003 min
 Lab File: VL041392.D
 Acq: 22 Jul 2024 19:04

Instrument : MSVOA_L
 ClientSampleId : SV2DL



Tgt Ion:	105	Resp:	10462
Ion Ratio	Lower	Upper	
105	100		
120	43.2	37.8	56.8
91	17.7	38.0	57.0
77	9.8	17.5	26.3

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

