

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111723\
 Data File : VL040898.D
 Acq On : 17 Nov 2023 17:03
 Operator : SY/MD
 Sample : 05474-02DUP 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-2DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/20/2023
 Supervised By :Mahesh Dadoda 11/21/2023

Quant Time: Nov 20 04:00:02 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Mon Nov 20 03:50:24 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.218	49	899600	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2143827	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	1910541	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1555282	10.398	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.771	85	21550	0.118	ppbv	94
9) Propene	2.742	41	12411	0.256	ppbv	92
13) Ethanol	3.282	45	61804m	6.576	ppbv	
15) Acetone	3.507	43	400115	4.176	ppbv	97
19) Isopropyl Alcohol	3.616	45	103255m	1.791	ppbv	
20) Methylene Chloride	3.967	84	852738	21.566	ppbv	97
26) Hexane	5.237	57	541879	6.172	ppbv #	40
34) 2-Butanone	4.829	43	44612m	0.408	ppbv	
36) Benzene	6.388	78	26126	0.150	ppbv #	94
53) Toluene	9.233	91	36350	0.190	ppbv	97
61) Styrene	12.905	104	728370	7.474	ppbv	97

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

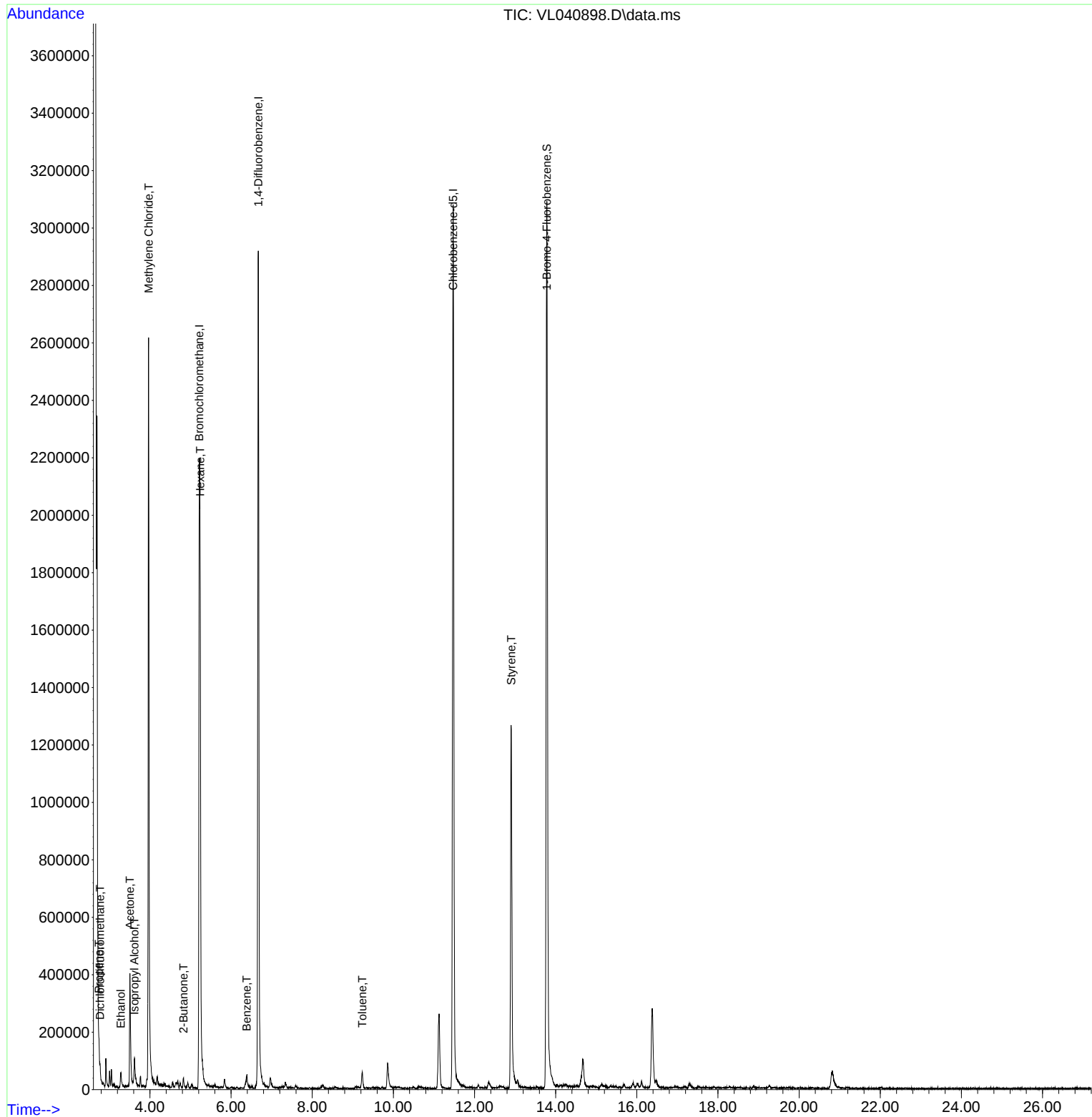
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111723\
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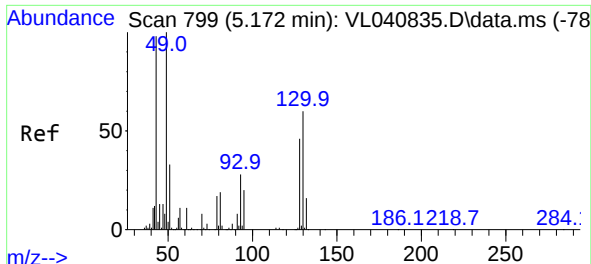
Instrument :
MSVOA_L
ClientSampleId :
VP-2DUP

Quant Time: Nov 20 04:00:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Nov 20 03:50:24 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

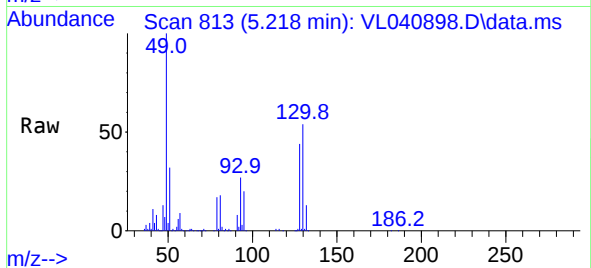
Reviewed By : Semsettin Yesilyurt 11/20/2023
Supervised By : Mahesh Dadoda 11/21/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.218 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL040898.D
Acq: 17 Nov 2023 17:03

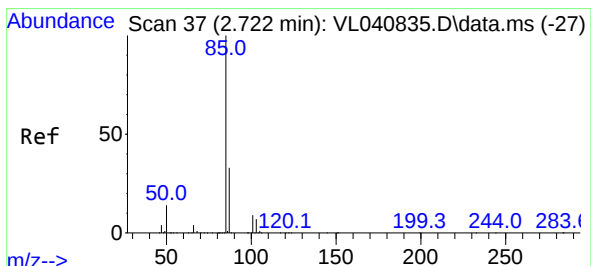
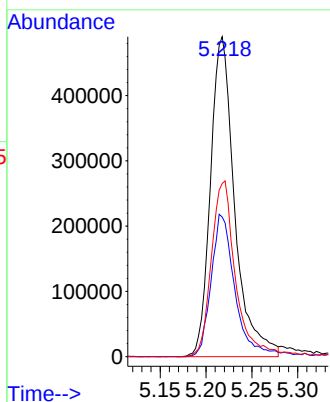
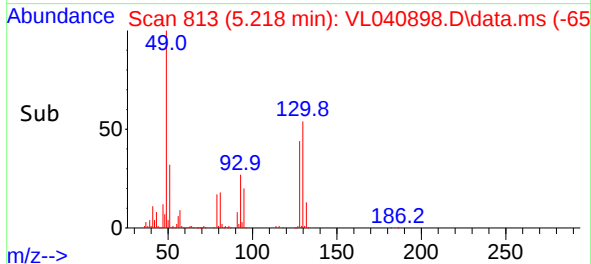
Instrument :
MSVOA_L
ClientSampleId :
VP-2DUP



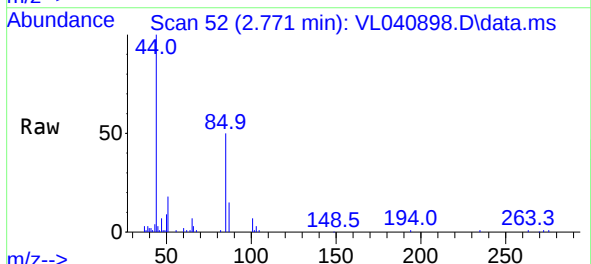
Tgt Ion: 49 Resp: 899600
Ion Ratio Lower Upper
49 100
128 45.1 23.8 71.2
130 56.8 30.9 92.8

Manual Integrations
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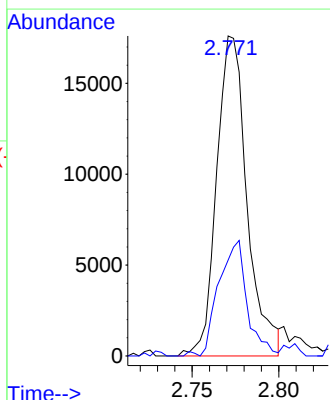
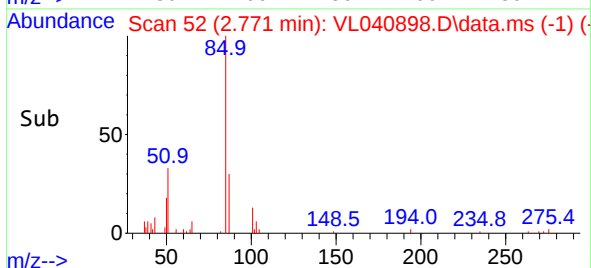
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



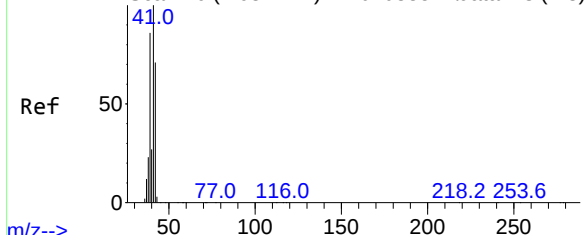
#2
Dichlorodifluoromethane
Concen: 0.118 ppbv
RT: 2.771 min Scan# 52
Delta R.T. -0.003 min
Lab File: VL040898.D
Acq: 17 Nov 2023 17:03



Tgt Ion: 85 Resp: 21550
Ion Ratio Lower Upper
85 100
87 30.0 26.7 40.1



Abundance Scan 26 (2.687 min): VL040835.D\data.ms (-18)



#9

Propene

Concen: 0.256 ppbv

RT: 2.742 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040898.D

Acq: 17 Nov 2023 17:03

Instrument :

MSVOA_L

ClientSampleId :

VP-2DUP

Tgt Ion: 41 Resp: 1241

Ion Ratio Lower Upper

41 100

42 63.7 56.5 84.7

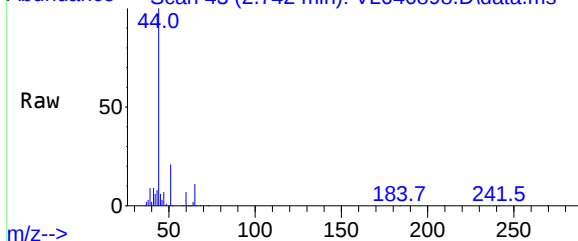
Manual Integrations

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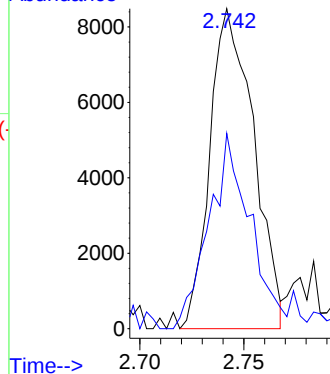
Reviewed By :Semsettin Yesilyurt 11/20/2023

Supervised By :Mahesh Dadoda 11/21/2023

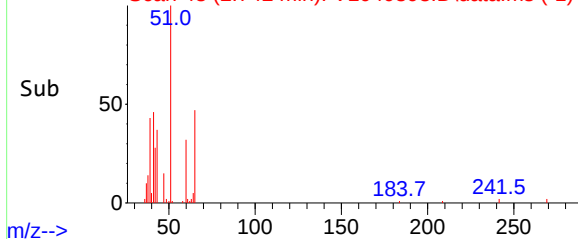
Abundance Scan 43 (2.742 min): VL040898.D\data.ms



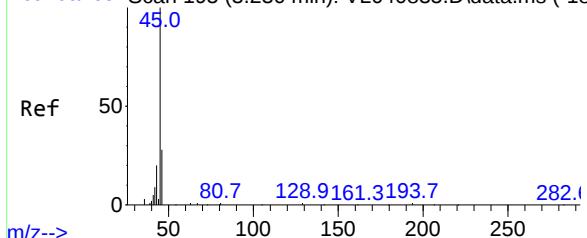
Abundance



Abundance Scan 43 (2.742 min): VL040898.D\data.ms (-1)



Abundance Scan 195 (3.230 min): VL040835.D\data.ms (-18)



#13

Ethanol

Concen: 6.576 ppbv m

RT: 3.282 min Scan# 211

Delta R.T. 0.003 min

Lab File: VL040898.D

Acq: 17 Nov 2023 17:03

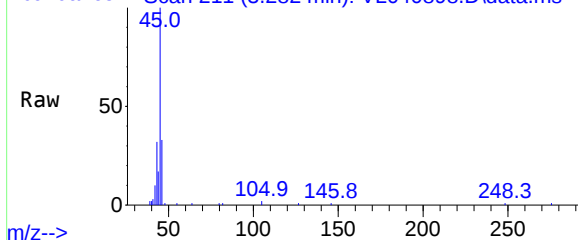
Tgt Ion: 45 Resp: 61804

Ion Ratio Lower Upper

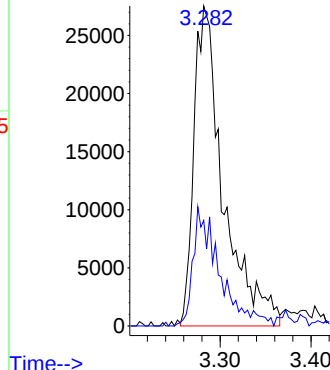
45 100

46 33.0 0.0 0.0#

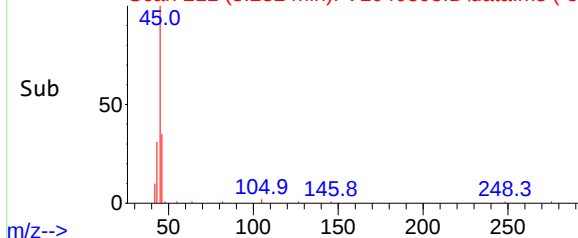
Abundance Scan 211 (3.282 min): VL040898.D\data.ms

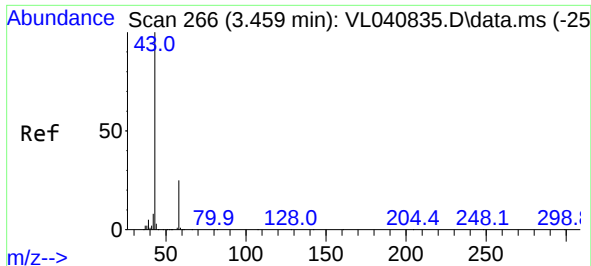


Abundance



Abundance Scan 211 (3.282 min): VL040898.D\data.ms (-55)





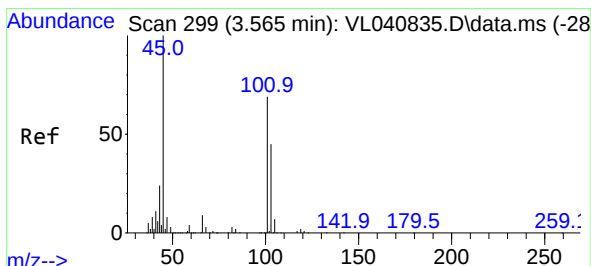
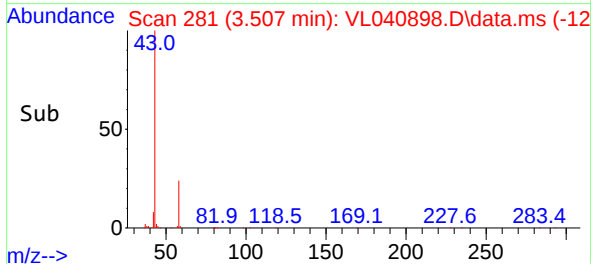
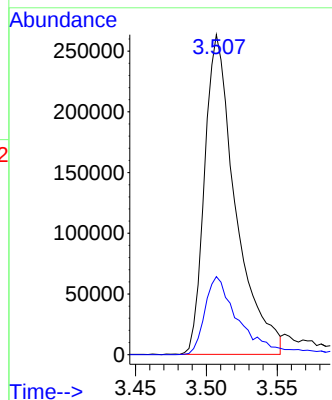
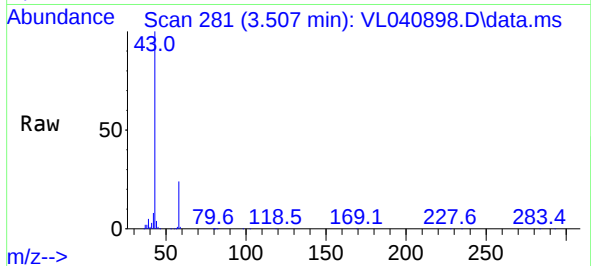
#15
Acetone
Concen: 4.176 ppbv
RT: 3.507 min Scan# 211
Delta R.T. 0.006 min
Lab File: VL040898.D
Acq: 17 Nov 2023 17:03

Instrument :
MSVOA_L
ClientSampleId :
VP-2DUP

Tgt Ion: 43 Resp: 400115
Ion Ratio Lower Upper
43 100
58 27.7 20.9 31.3

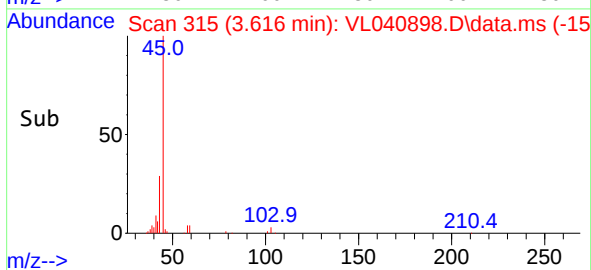
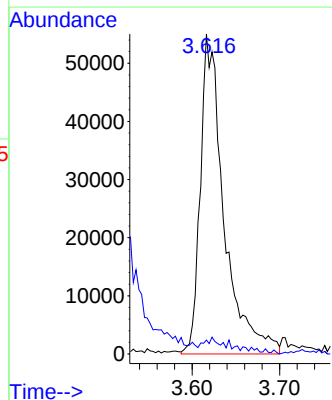
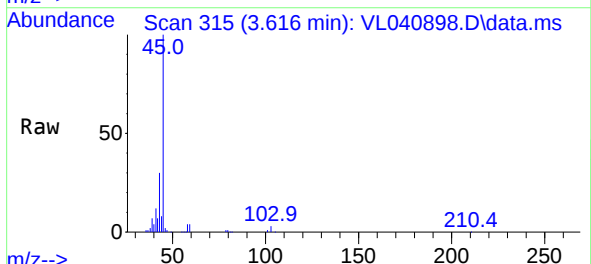
Manual Integrations
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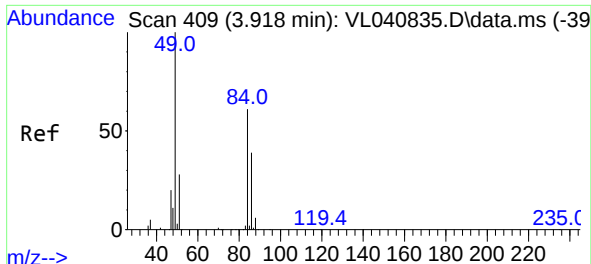
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#19
Isopropyl Alcohol
Concen: 1.791 ppbv m
RT: 3.616 min Scan# 315
Delta R.T. 0.006 min
Lab File: VL040898.D
Acq: 17 Nov 2023 17:03

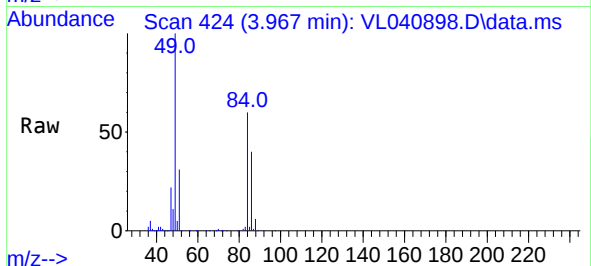
Tgt Ion: 45 Resp: 103255
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4#





#20
Methylene Chloride
Concen: 21.566 ppbv
RT: 3.967 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040898.D
Acq: 17 Nov 2023 17:03

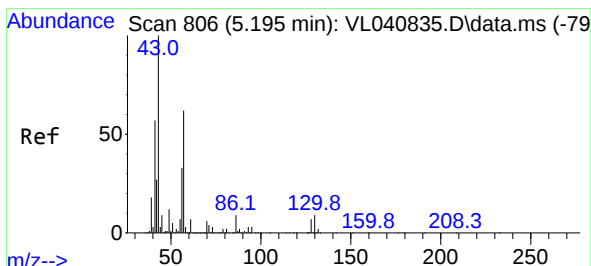
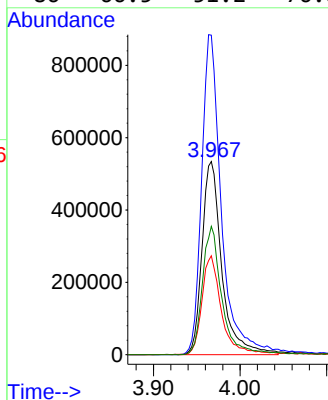
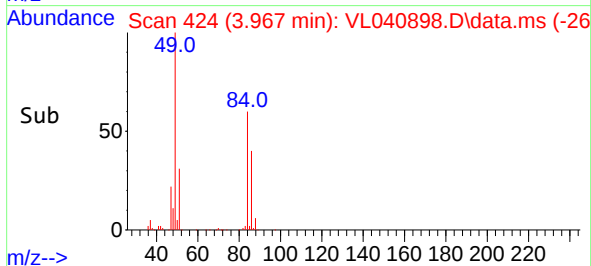
Instrument :
MSVOA_L
ClientSampleId :
VP-2DUP



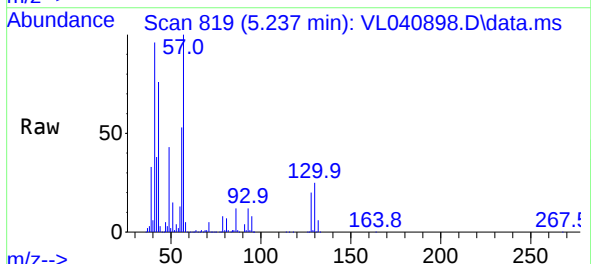
Tgt Ion: 84 Resp: 852738
Ion Ratio Lower Upper
84 100
49 165.5 131.0 196.4
51 51.0 36.9 55.3
86 66.5 51.2 76.8

Manual Integrations
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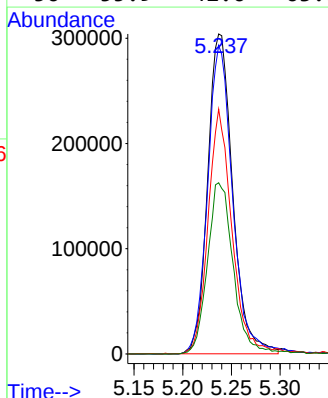
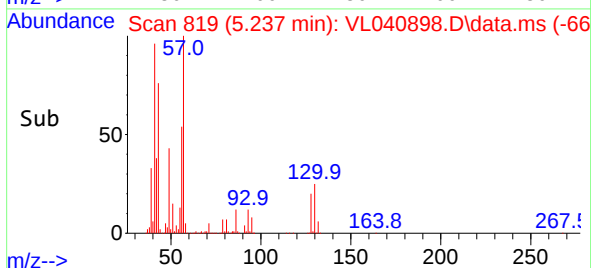
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023

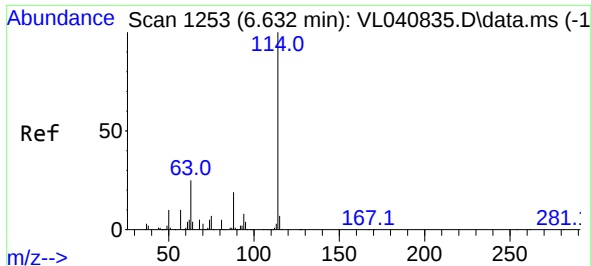


#26
Hexane
Concen: 6.172 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.006 min
Lab File: VL040898.D
Acq: 17 Nov 2023 17:03



Tgt Ion: 57 Resp: 541879
Ion Ratio Lower Upper
57 100
41 98.3 75.4 113.0
43 74.4 185.9 278.9#
56 55.9 42.6 63.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.671 min Scan# 114

Delta R.T. 0.006 min

Lab File: VL040898.D

Acq: 17 Nov 2023 17:03

Instrument :

MSVOA_L

ClientSampleId :

VP-2DUP

Tgt Ion:114 Resp: 214382

Ion Ratio Lower Upper

114 100

63 27.0 20.9 31.3

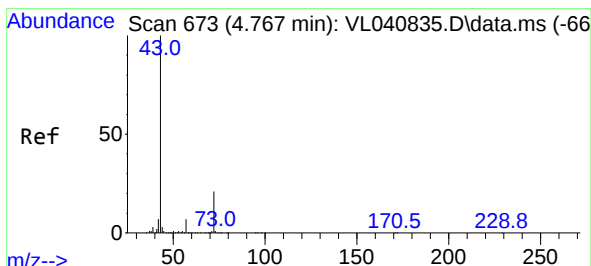
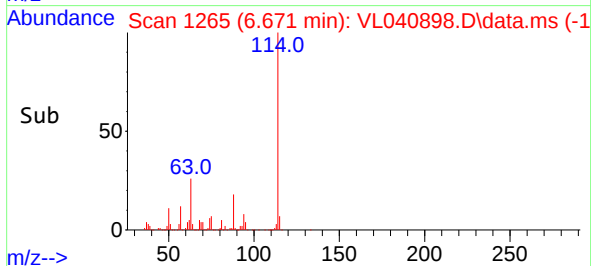
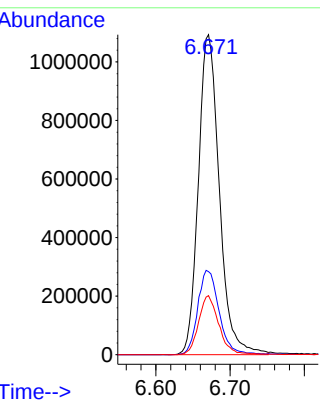
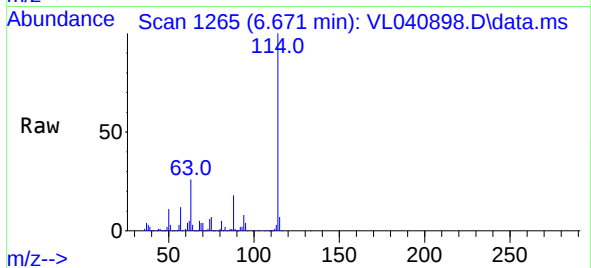
88 18.0 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/20/2023

Supervised By :Mahesh Dadoda 11/21/2023



#34

2-Butanone

Concen: 0.408 ppbv m

RT: 4.829 min Scan# 692

Delta R.T. 0.022 min

Lab File: VL040898.D

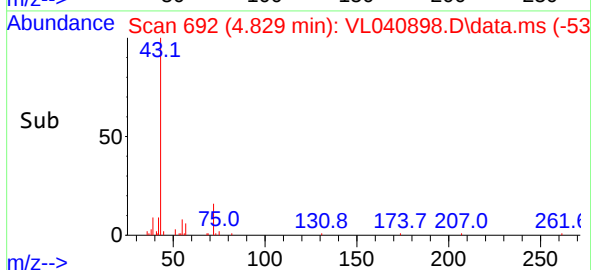
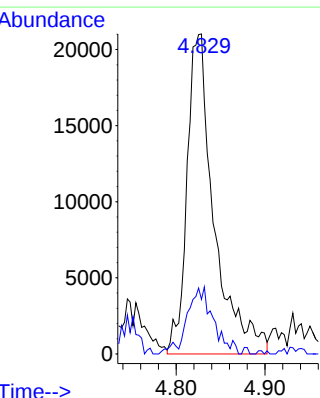
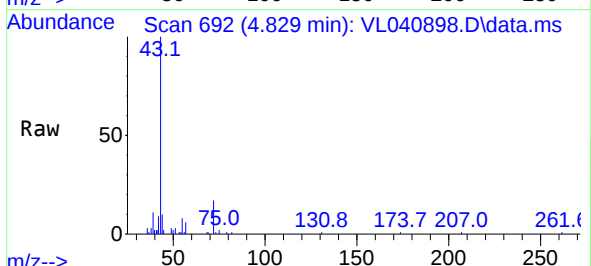
Acq: 17 Nov 2023 17:03

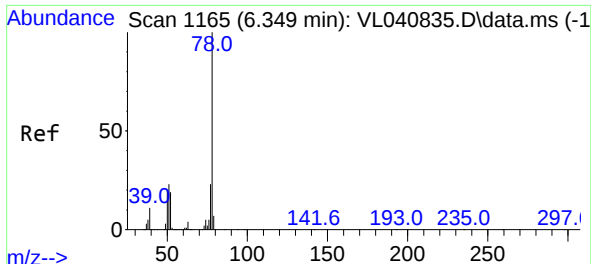
Tgt Ion: 43 Resp: 44612

Ion Ratio Lower Upper

43 100

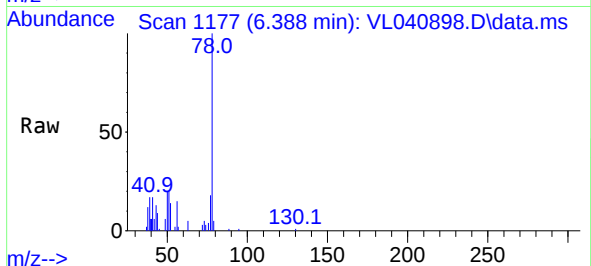
72 20.1 17.2 25.8





#36
Benzene
Concen: 0.150 ppbv
RT: 6.388 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VL040898.D
Acq: 17 Nov 2023 17:03

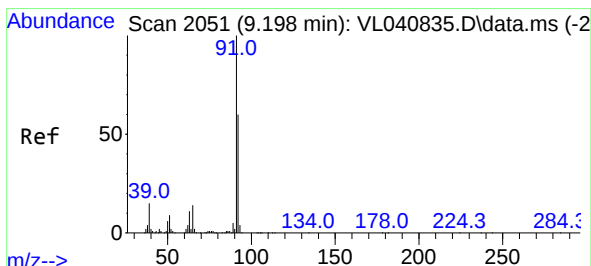
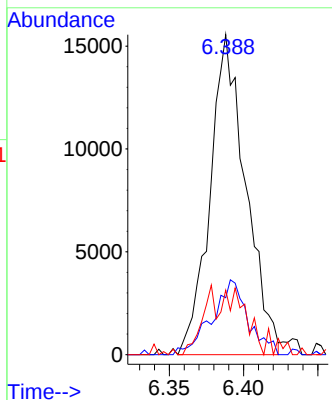
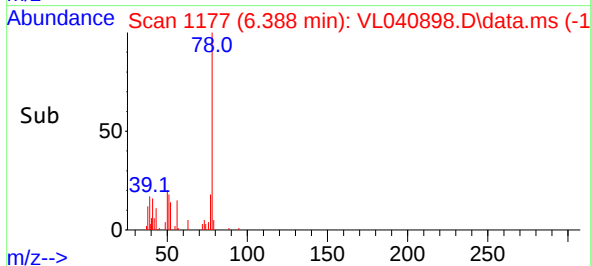
Instrument :
MSVOA_L
ClientSampleId :
VP-2DUP



Tgt Ion: 78 Resp: 26120
Ion Ratio Lower Upper
78 100
77 17.8 18.4 27.6
50 20.2 16.2 24.2

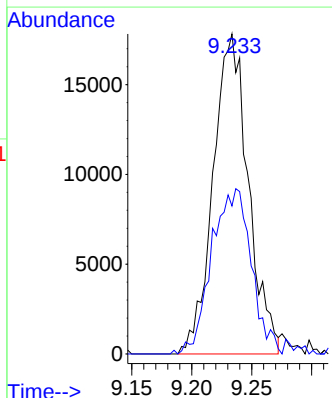
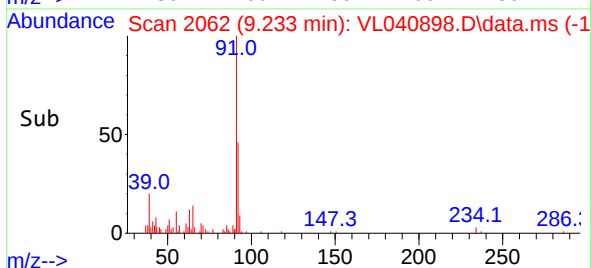
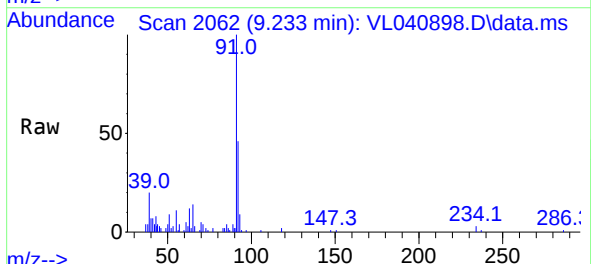
Manual Integrations
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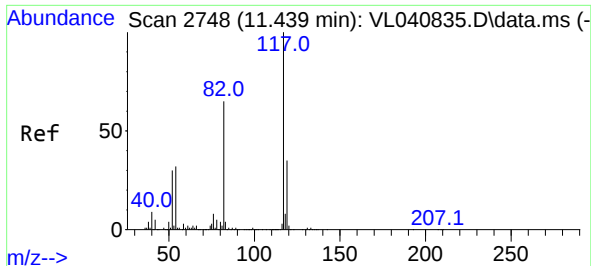
Reviewed By :Semsettin Yesilyurt 11/20/2023
Supervised By :Mahesh Dadoda 11/21/2023



#53
Toluene
Concen: 0.190 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. 0.010 min
Lab File: VL040898.D
Acq: 17 Nov 2023 17:03

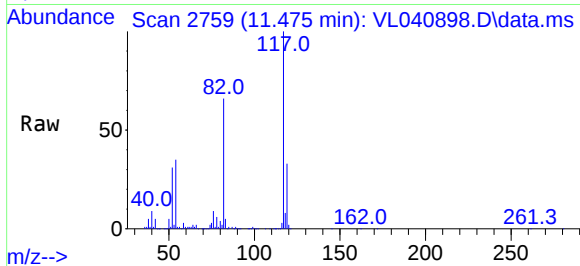
Tgt Ion: 91 Resp: 36350
Ion Ratio Lower Upper
91 100
92 59.9 49.4 74.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040898.D
Acq: 17 Nov 2023 17:03

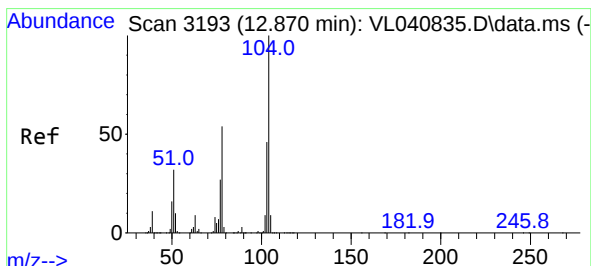
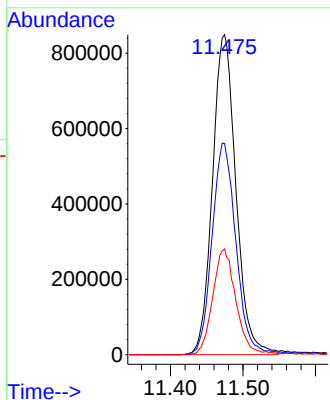
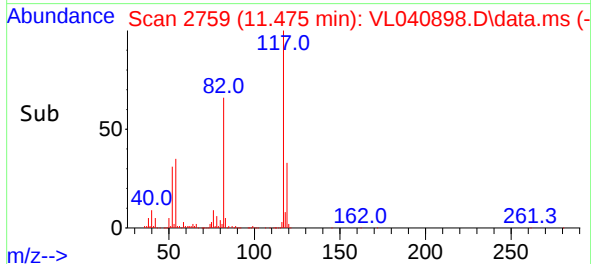
Instrument :
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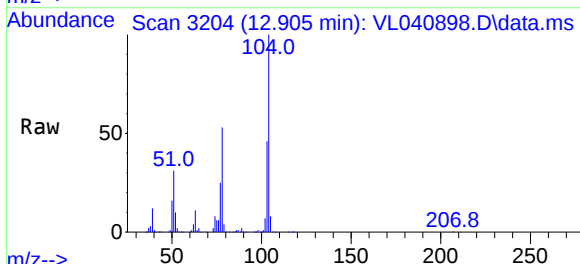
Tgt Ion:117 Resp: 191054
Ion Ratio Lower Upper
117 100
82 67.7 50.6 75.8
119 32.8 23.3 34.9

Manual Integrations
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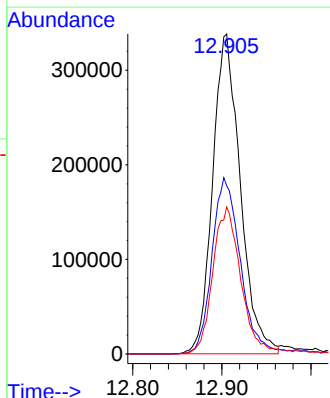
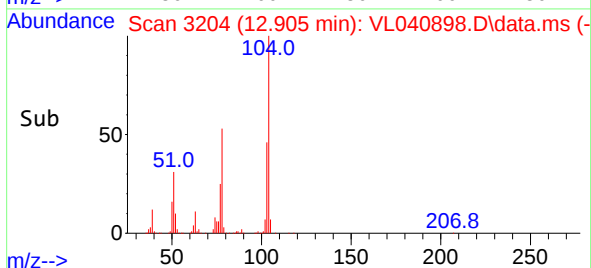
Reviewed By :Semsettin Yesilyurt 11/20/2023
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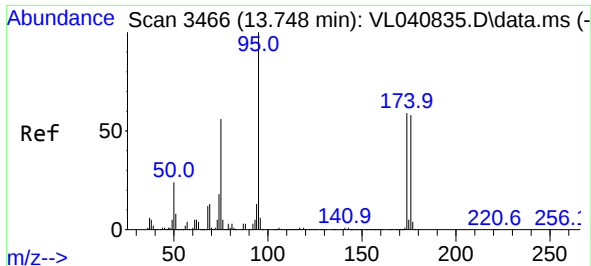


#61
Styrene
Concen: 7.474 ppbv
RT: 12.905 min Scan# 3204
Delta R.T. 0.013 min
Lab File: VL040898.D
Acq: 17 Nov 2023 17:03



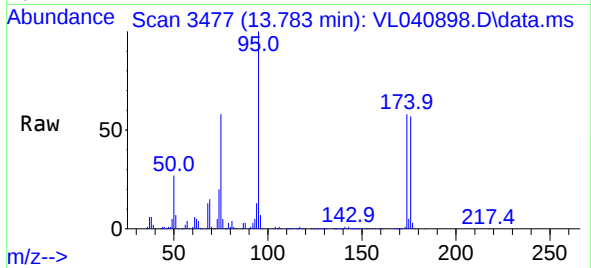
Tgt Ion:104 Resp: 728370
Ion Ratio Lower Upper
104 100
78 58.1 43.3 64.9
103 47.6 37.6 56.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.398 ppbv
 RT: 13.783 min Scan# 3466
 Delta R.T. 0.013 min
 Lab File: VL040898.D
 Acq: 17 Nov 2023 17:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-2DUP



Tgt Ion: 95 Resp: 155528
 Ion Ratio Lower Upper
 95 100
 174 61.2 47.5 71.3
 175 4.4 3.6 5.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/20/2023
 Supervised By :Mahesh Dadoda 11/21/2023

