

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040555.D
 Acq On : 27 Jul 2023 00:43
 Operator : SY/MD
 Sample : 03730-03DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-22-20230721DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/27/2023
 Supervised By :Mahesh Dadoda 07/27/2023

Quant Time: Jul 27 01:53:30 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1128591	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	3014864	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.452	117	2656144	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2048615	9.745	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	22785	0.101	ppbv	90
9) Propene	2.674	41	172073	2.810	ppbv	94
13) Ethanol	3.230	45	20276	1.522	ppbv	85
15) Acetone	3.449	43	1753264	13.496	ppbv	97
17) tert-Butyl alcohol	3.880	59	30764	0.229	ppbv #	87
20) Methylene Chloride	3.919	84	30118	0.545	ppbv #	89
26) Hexane	5.195	57	162820	1.417	ppbv #	40
34) 2-Butanone	4.787	43	75736	0.508	ppbv #	90
36) Benzene	6.353	78	29478	0.122	ppbv	93
52) Tetrachloroethene	10.606	164	3666m	0.047	ppbv	
53) Toluene	9.211	91	19526m	0.074	ppbv	

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

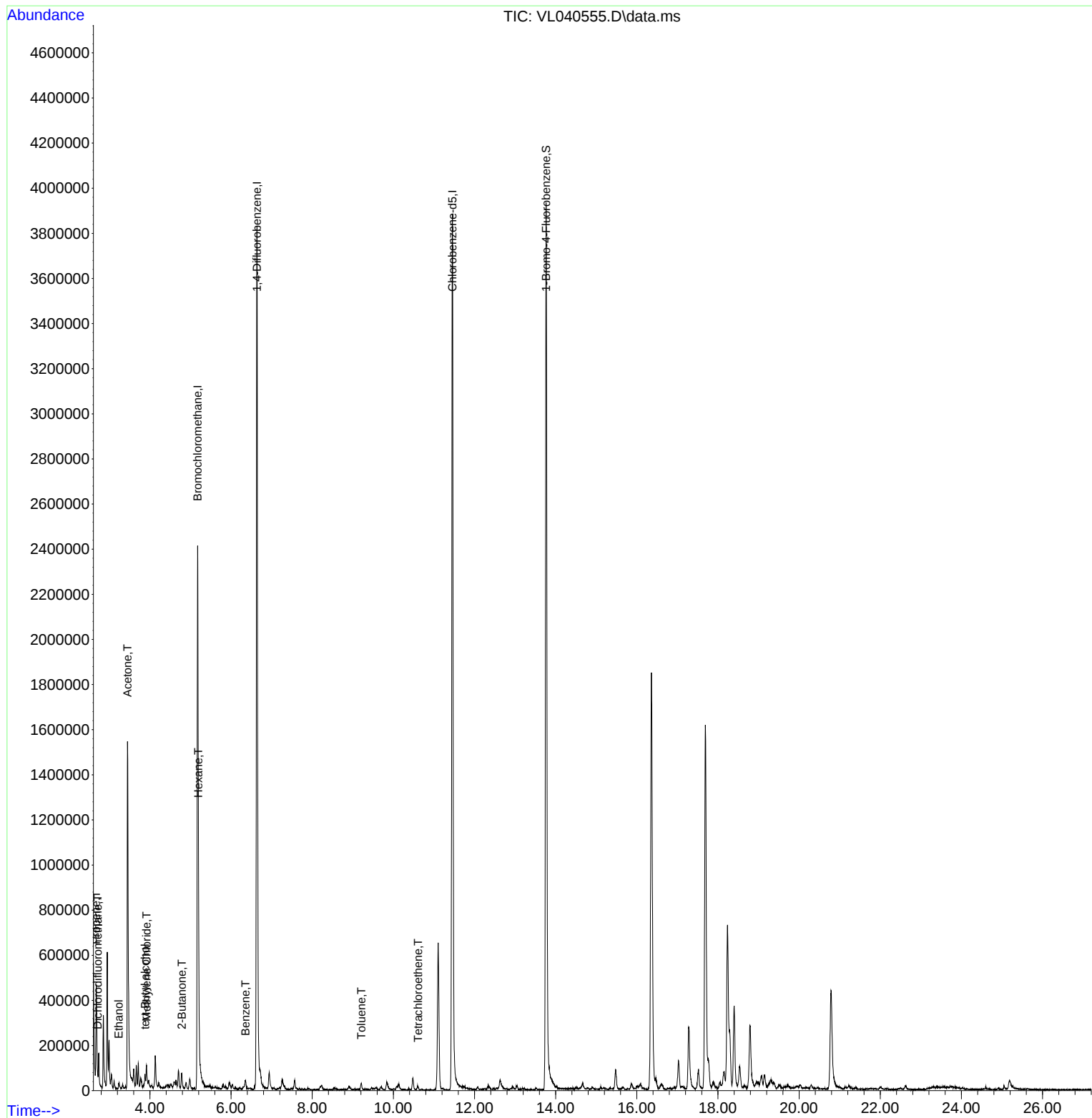
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
Data File : VL040555.D
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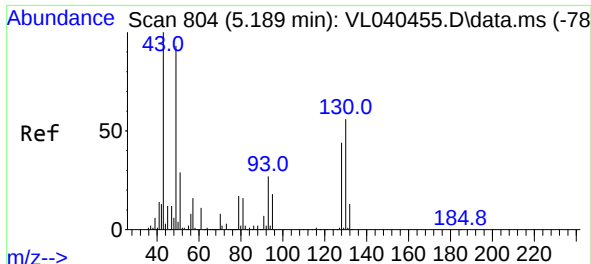
Instrument :
MSVOA_L
ClientSampleId :
SV-22-20230721DL

Quant Time: Jul 27 01:53:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

Manual Integrations
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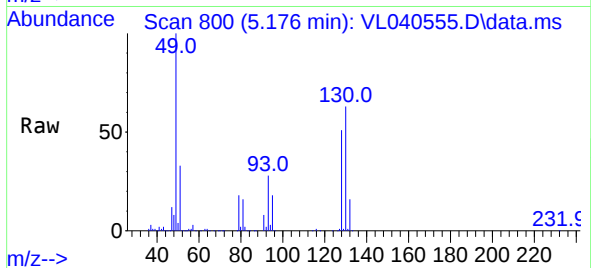
Reviewed By : Semsettin Yesilyurt 07/27/2023
Supervised By : Mahesh Dadoda 07/27/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.026 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

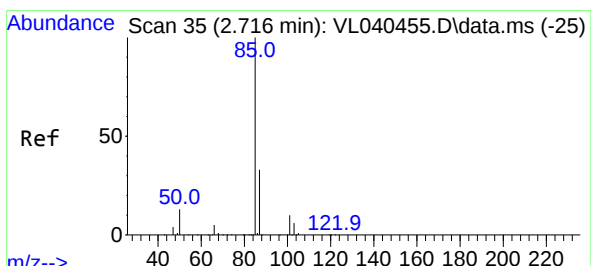
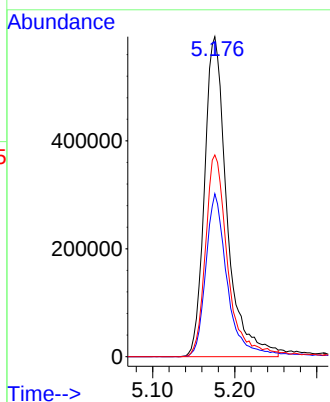
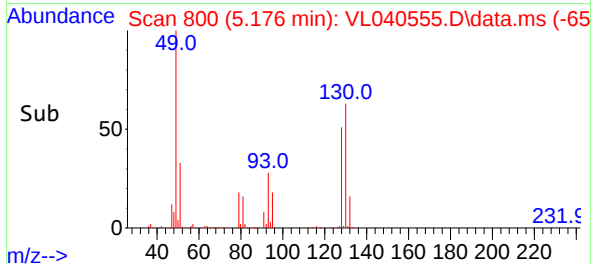
Instrument :
MSVOA_L
ClientSampleId :
SV-22-20230721DL



Tgt Ion: 49 Resp: 112859
Ion Ratio Lower Upper
49 100
128 50.2 25.1 75.4
130 63.6 31.6 94.7

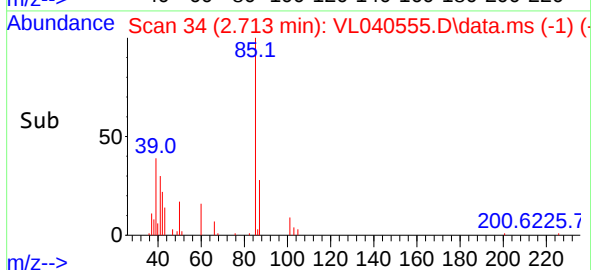
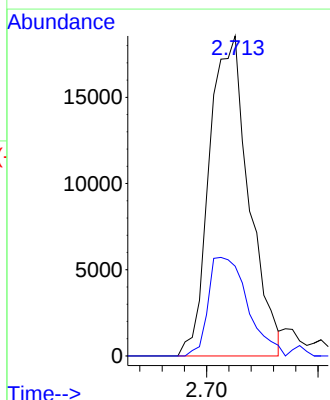
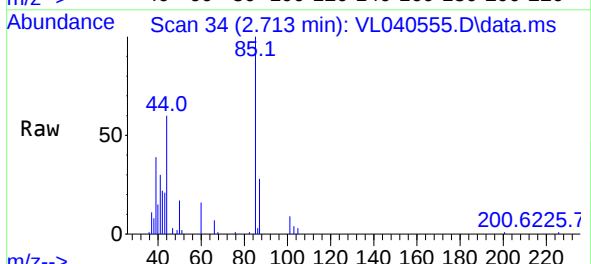
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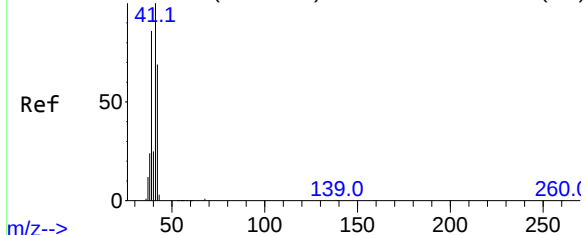


#2
Dichlorodifluoromethane
Concen: 0.101 ppbv
RT: 2.713 min Scan# 34
Delta R.T. -0.026 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

Tgt Ion: 85 Resp: 22785
Ion Ratio Lower Upper
85 100
87 28.0 26.8 40.2



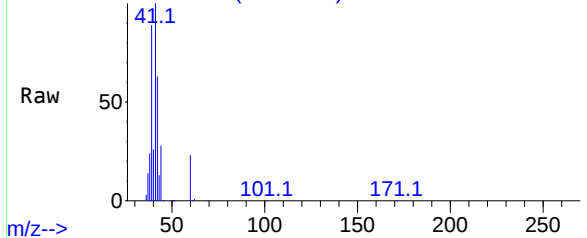
Abundance Scan 23 (2.677 min): VL040455.D\data.ms (-15)



#9
Propene
Concen: 2.810 ppbv
RT: 2.674 min Scan# 21
Delta R.T. -0.029 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

Instrument :
MSVOA_L
ClientSampleId :
SV-22-20230721DL

Abundance Scan 22 (2.674 min): VL040555.D\data.ms

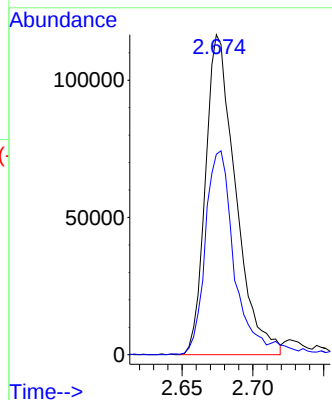
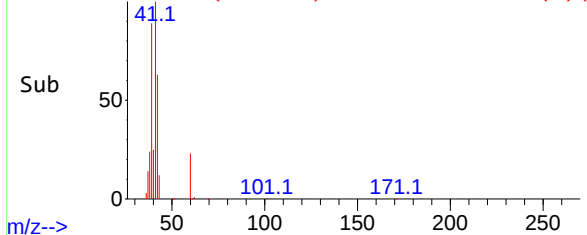


Tgt Ion: 41 Resp: 17207
Ion Ratio Lower Upper
41 100
42 63.5 55.0 82.6

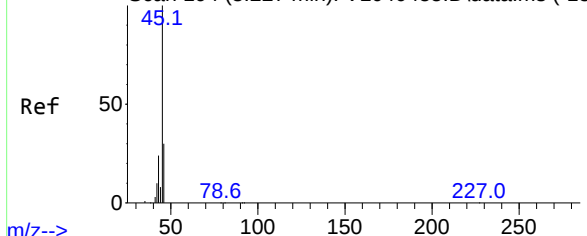
Manual Integrations
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Supervised By :Mahesh Dadoda 07/27/2023

Abundance Scan 22 (2.674 min): VL040555.D\data.ms (-1)



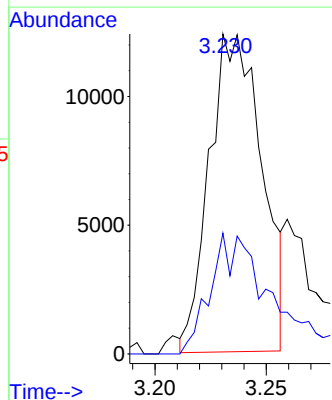
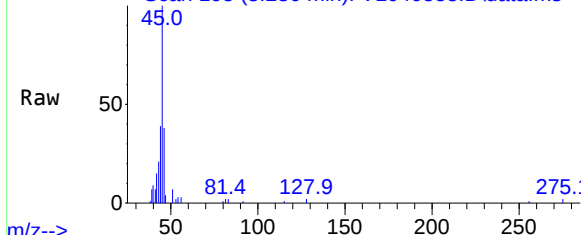
Abundance Scan 194 (3.227 min): VL040455.D\data.ms (-18)



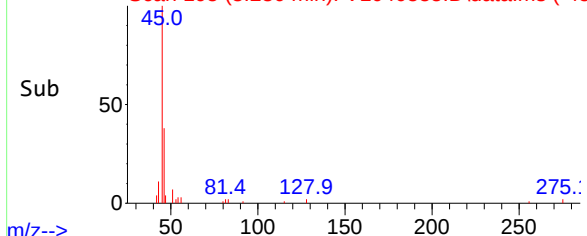
#13
Ethanol
Concen: 1.522 ppbv
RT: 3.230 min Scan# 195
Delta R.T. -0.016 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

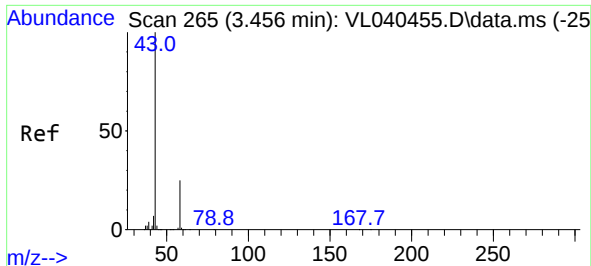
Tgt Ion: 45 Resp: 20276
Ion Ratio Lower Upper
45 100
46 47.5 15.3 61.1

Abundance Scan 195 (3.230 min): VL040555.D\data.ms



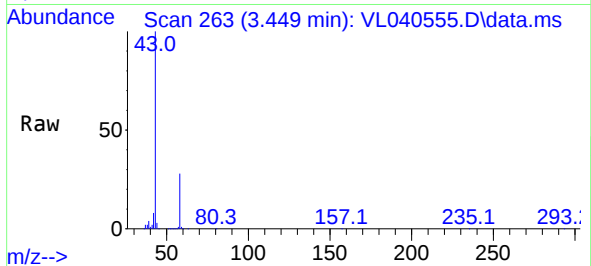
Abundance Scan 195 (3.230 min): VL040555.D\data.ms (-45)





#15
Acetone
Concen: 13.496 ppbv
RT: 3.449 min Scan# 20
Delta R.T. -0.026 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

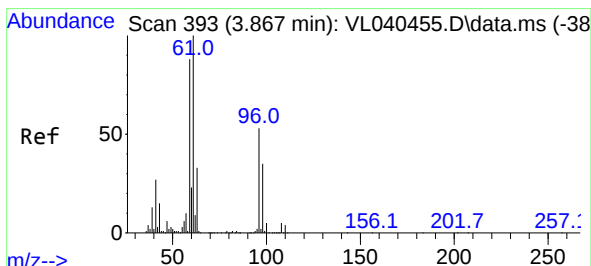
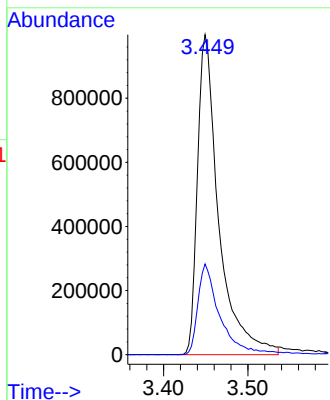
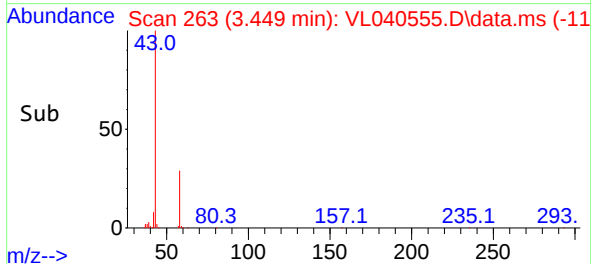
Instrument :
MSVOA_L
ClientSampleId :
SV-22-20230721DL



Tgt Ion: 43 Resp: 1753264
Ion Ratio Lower Upper
43 100
58 30.4 22.9 34.3

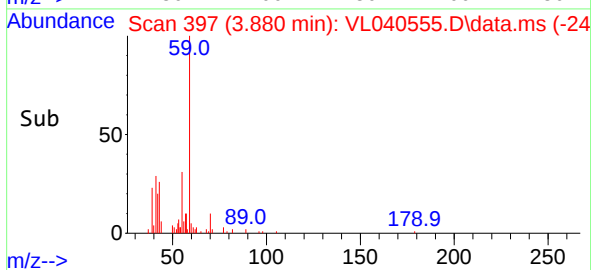
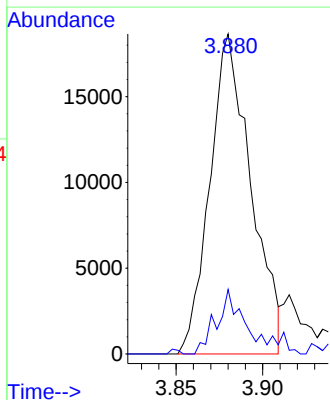
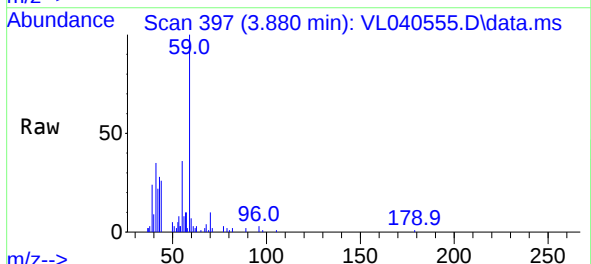
Manual Integrations
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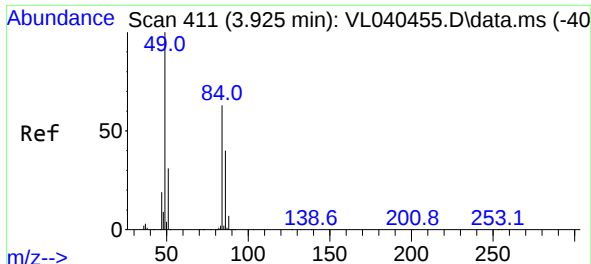
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#17
tert-Butyl alcohol
Concen: 0.229 ppbv
RT: 3.880 min Scan# 397
Delta R.T. -0.003 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

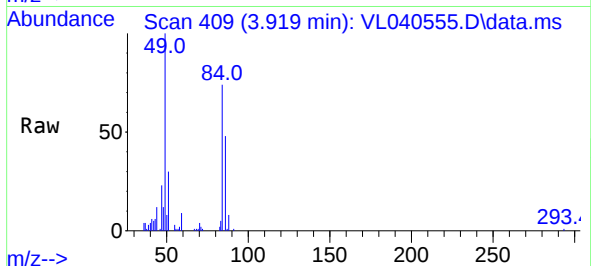
Tgt Ion: 59 Resp: 30764
Ion Ratio Lower Upper
59 100
57 15.8 8.7 13.1#





#20
Methylene Chloride
Concen: 0.545 ppbv
RT: 3.919 min Scan# 409
Delta R.T. -0.023 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

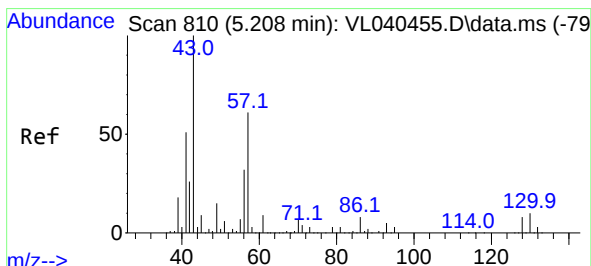
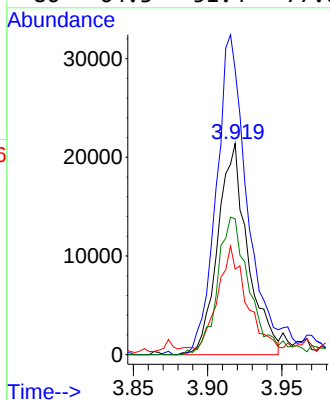
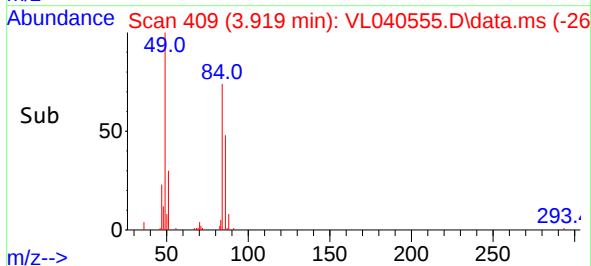
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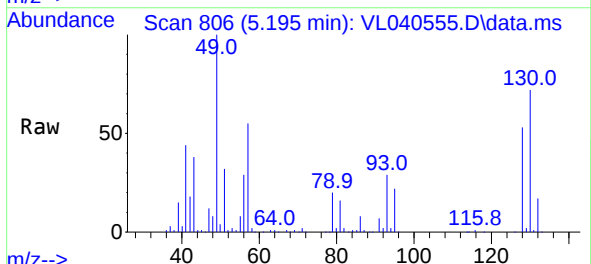
Tgt Ion: 84 Resp: 30118
Ion Ratio Lower Upper
84 100
49 134.9 123.4 185.2
51 37.9 38.3 57.5
86 64.3 51.4 77.0

Manual Integrations
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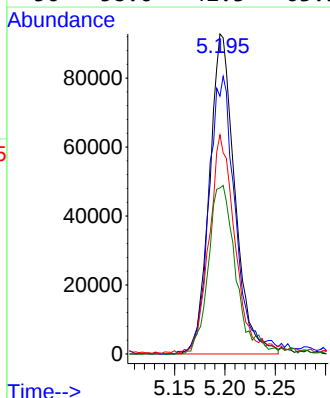
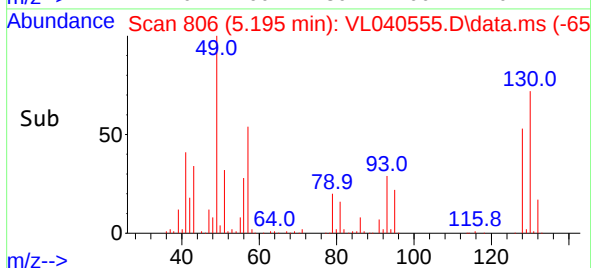
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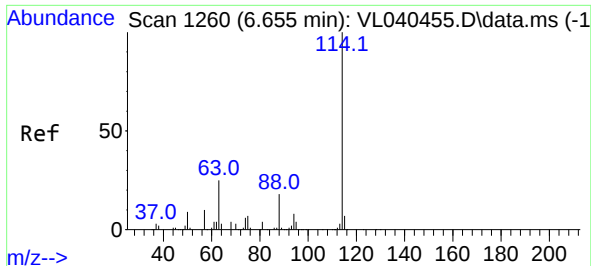


#26
Hexane
Concen: 1.417 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.026 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43



Tgt Ion: 57 Resp: 162820
Ion Ratio Lower Upper
57 100
41 92.7 69.5 104.3
43 71.7 177.1 265.7#
56 58.6 42.3 63.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 114

Delta R.T. -0.026 min

Lab File: VL040555.D

Acq: 27 Jul 2023 00:43

Instrument :

MSVOA_L

ClientSampleId :

SV-22-20230721DL

Tgt Ion:114 Resp: 301486

Ion Ratio Lower Upper

114 100

63 24.2 19.6 29.4

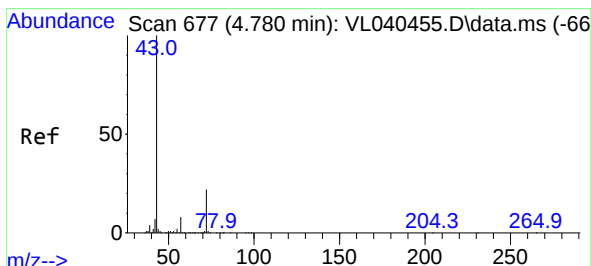
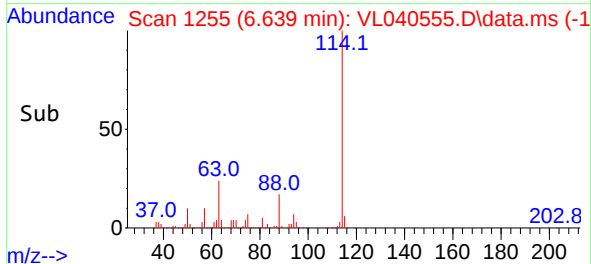
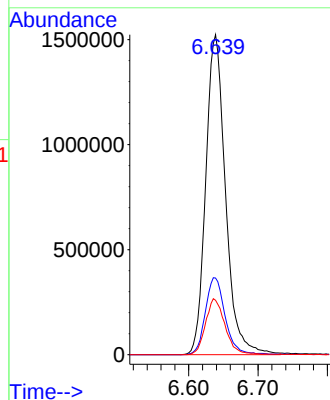
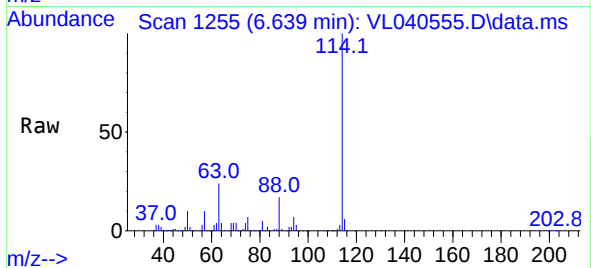
88 17.5 14.2 21.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/27/2023

Supervised By :Mahesh Dadoda 07/27/2023



#34

2-Butanone

Concen: 0.508 ppbv

RT: 4.787 min Scan# 679

Delta R.T. -0.006 min

Lab File: VL040555.D

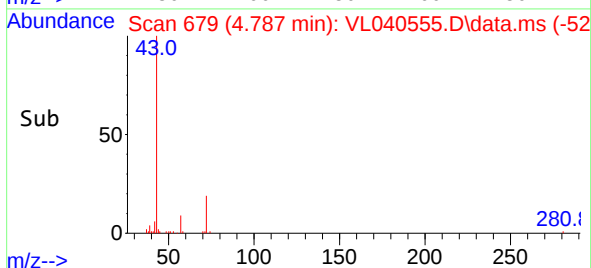
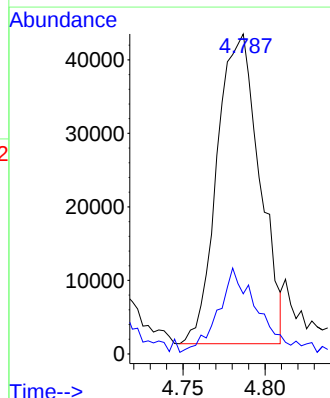
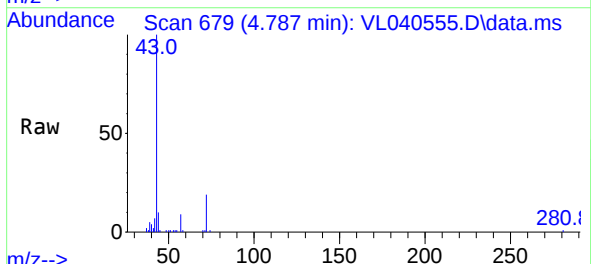
Acq: 27 Jul 2023 00:43

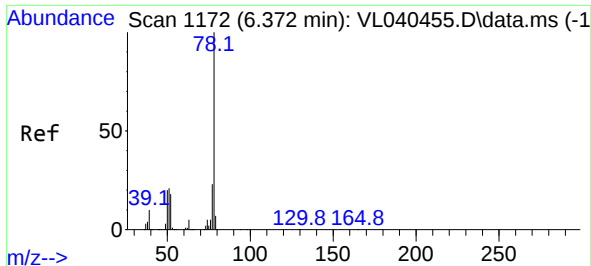
Tgt Ion: 43 Resp: 75736

Ion Ratio Lower Upper

43 100

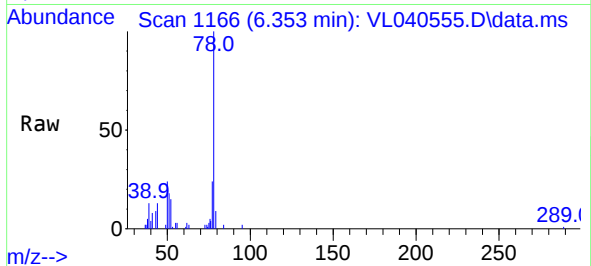
72 29.0 19.1 28.7#





#36
Benzene
Concen: 0.122 ppbv
RT: 6.353 min Scan# 1166
Delta R.T. -0.029 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

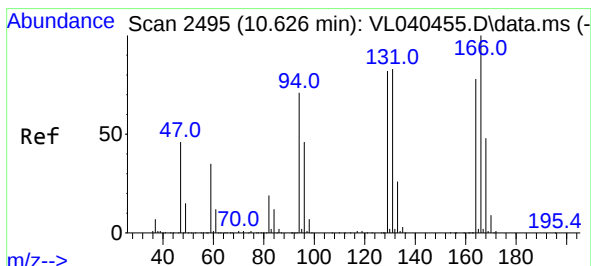
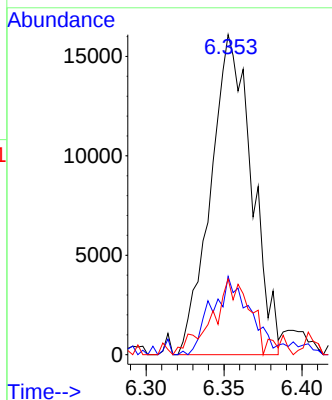
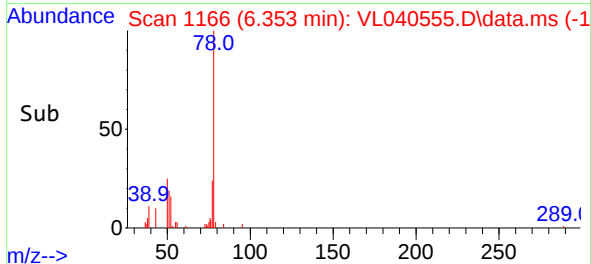
Instrument :
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ClientSampleId :
SV-22-20230721DL



Tgt Ion: 78 Resp: 29478
Ion Ratio Lower Upper
78 100
77 24.5 17.4 26.0
50 21.6 14.4 21.6

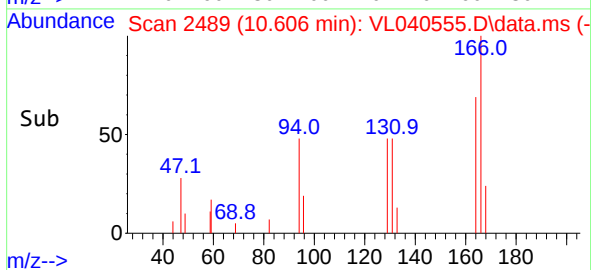
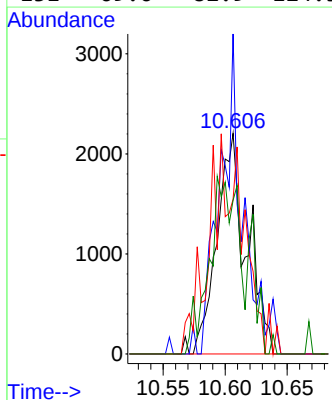
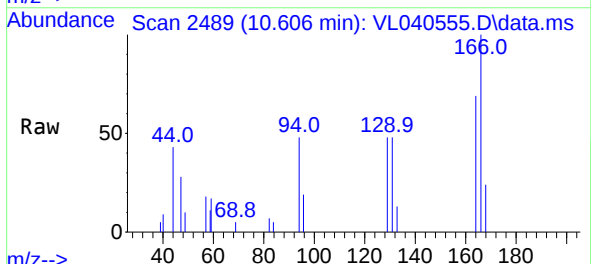
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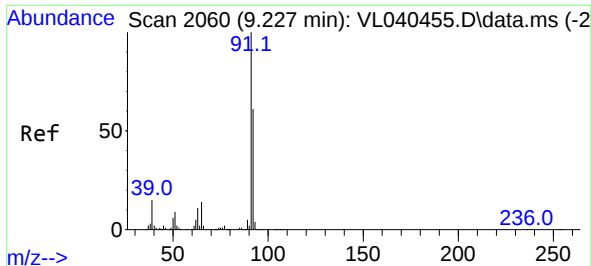
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#52
Tetrachloroethene
Concen: 0.047 ppbv m
RT: 10.606 min Scan# 2489
Delta R.T. -0.019 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

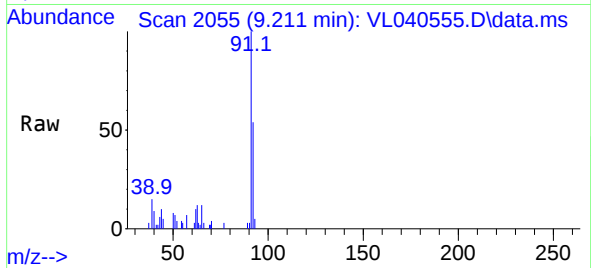
Tgt Ion:164 Resp: 3666
Ion Ratio Lower Upper
164 100
166 145.0 103.9 155.9
129 70.1 84.6 126.8#
131 69.6 82.9 124.3#





#53
Toluene
Concen: 0.074 ppbv m
RT: 9.211 min Scan# 2060
Delta R.T. -0.019 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

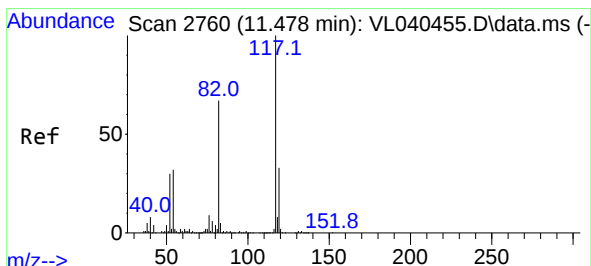
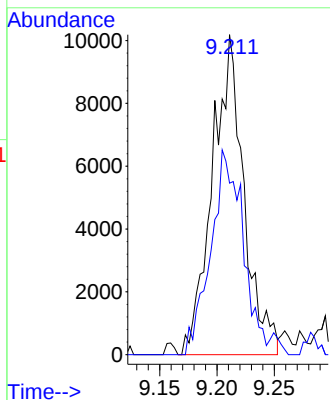
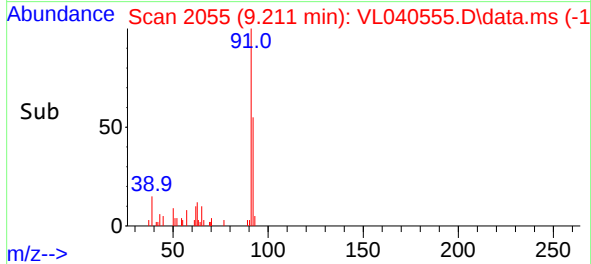
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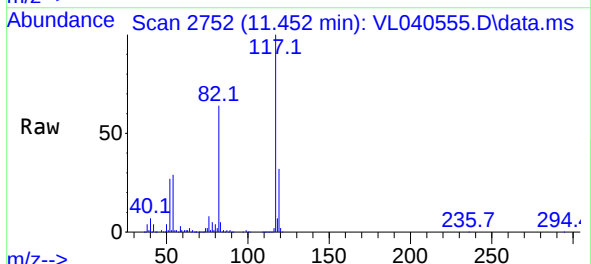
Tgt Ion: 91 Resp: 19520
Ion Ratio Lower Upper
91 100
92 0.0 49.1 73.7

Manual Integrations
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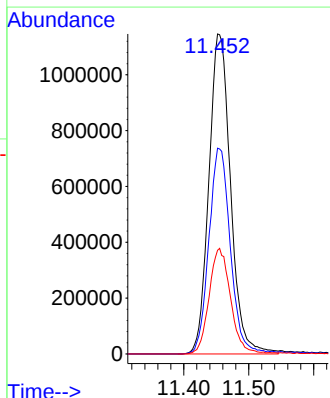
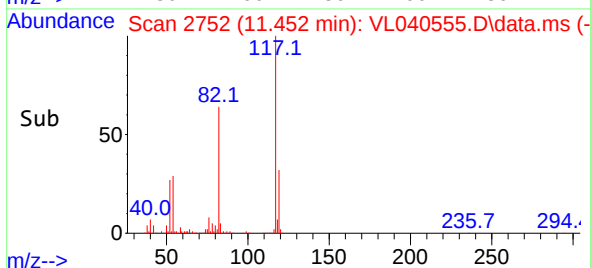
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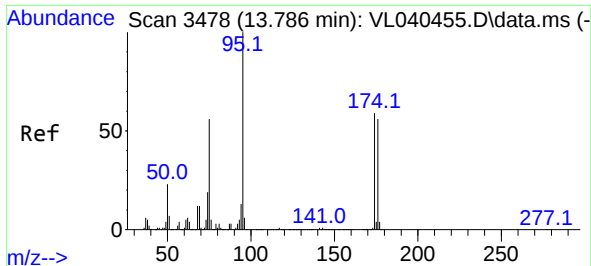


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. -0.026 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43



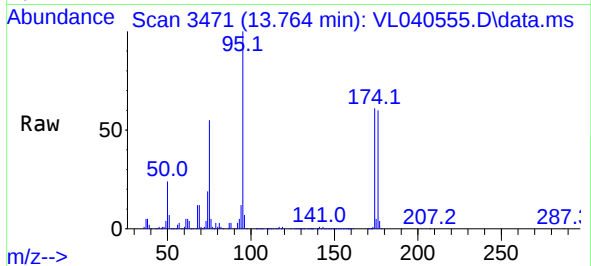
Tgt Ion:117 Resp: 2656144
Ion Ratio Lower Upper
117 100
82 64.8 50.2 75.4
119 33.1 26.9 40.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.745 ppbv
RT: 13.764 min Scan# 34
Delta R.T. -0.019 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

Instrument :
MSVOA_L
ClientSampleId :
SV-22-20230721DL



Tgt Ion: 95 Resp: 204861
Ion Ratio Lower Upper
95 100
174 63.4 50.6 75.8
175 4.5 3.7 5.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

