

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040442.D
 Acq On : 16 May 2023 17:43
 Operator : SY/MD
 Sample : 02793-01 8X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

Quant Time: May 17 05:15:43 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M

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

QLast Update : Wed May 17 05:12:40 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1011043	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2403502	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.490	117	2071804	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1686659	10.125	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.200%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.732	85	34454m	0.173	ppbv	
3) Chlorodifluoromethane	2.677	51	24935m	0.191	ppbv	
4) Chloromethane	2.816	50	19949	0.246	ppbv	94
9) Propene	2.703	41	30423	0.599	ppbv	88
11) Trichlorofluoromethane	3.568	101	25906	0.144	ppbv	91
13) Ethanol	3.240	45	343756	89.294	ppbv	89
15) Acetone	3.471	43	1167127	9.125	ppbv	99
17) tert-Butyl alcohol	3.902	59	16356m	0.128	ppbv	
19) Isopropyl Alcohol	3.587	45	62222m	0.999	ppbv	
20) Methylene Chloride	3.941	84	6577874	115.447	ppbv	88
26) Hexane	5.227	57	6504897	65.144	ppbv #	34
30) Cyclohexane	6.622	84	15897m	0.196	ppbv	
34) 2-Butanone	4.806	43	36160m	0.283	ppbv	
35) Carbon Tetrachloride	6.500	117	7615m	0.044	ppbv	
52) Tetrachloroethene	10.635	164	2263m	0.034	ppbv	
53) Toluene	9.249	91	215592m	1.046	ppbv	
59) m/p-Xylene	12.371	91	41353m	0.173	ppbv	
74) 1,2,4-Trimethylbenzene	16.140	105	53155	0.195	ppbv #	74

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

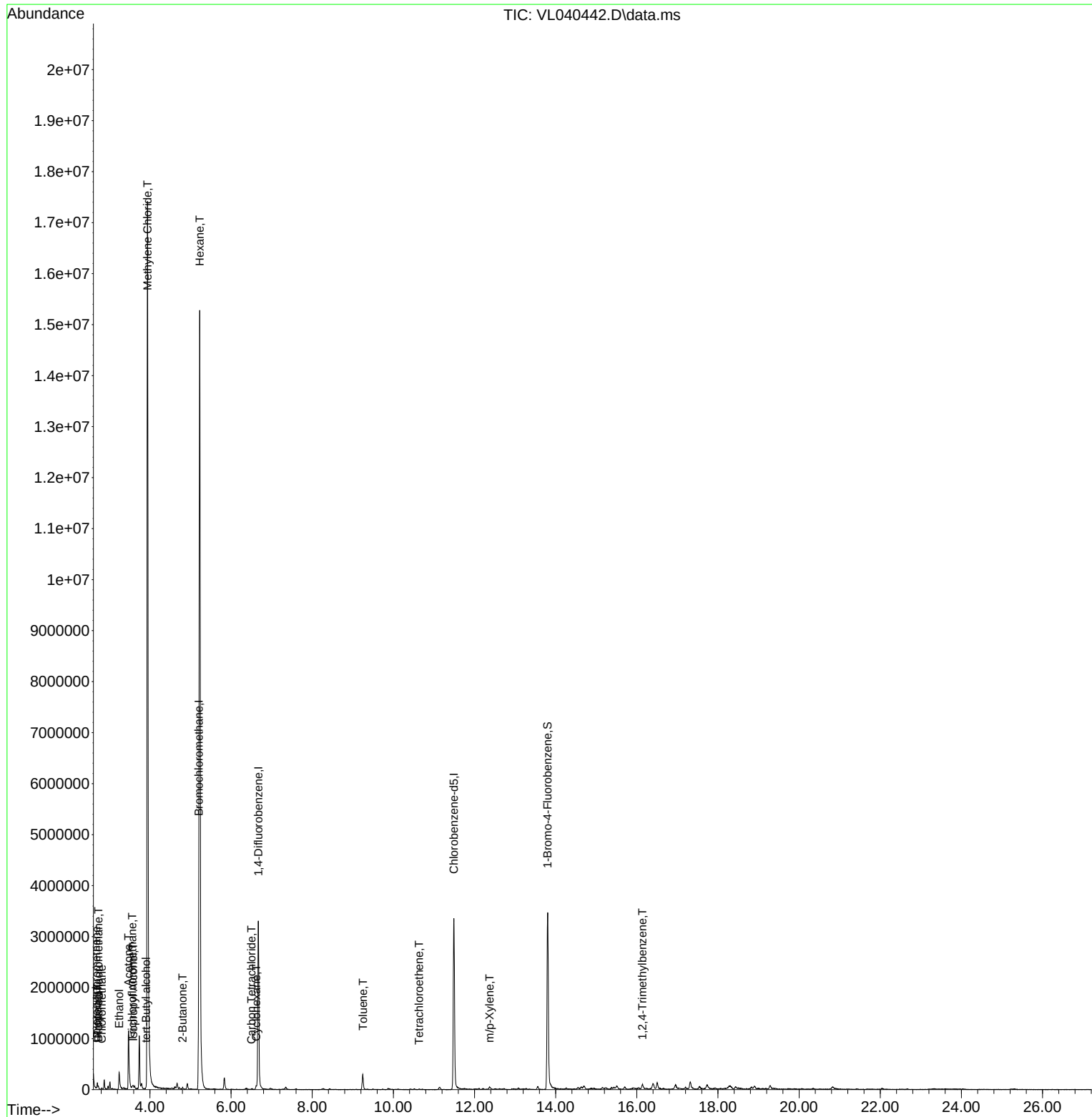
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
Data File : VL040442.D
Acq On : 16 May 2023 17:43
Operator : SY/MD
Sample : 02793-01 8X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

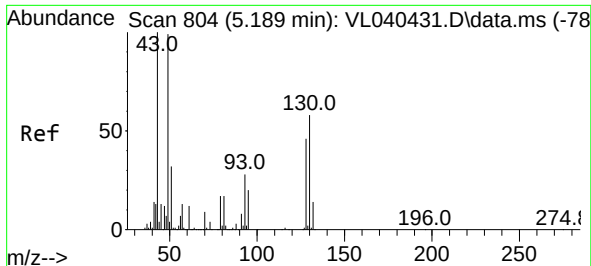
Instrument :
MSVOA_L
ClientSampleId :
SG-1

Quant Time: May 17 05:15:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed May 17 05:12:40 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

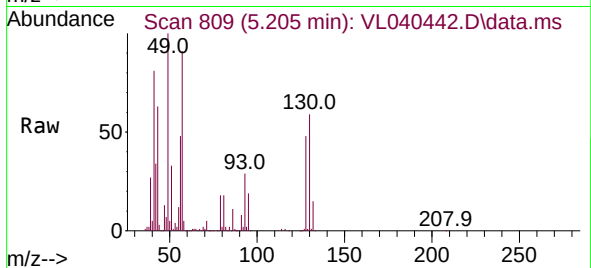
Reviewed By : Semsettin Yesilyurt 05/17/2023
Supervised By : Mahesh Dadoda 05/17/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 804
Delta R.T. -0.000 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43

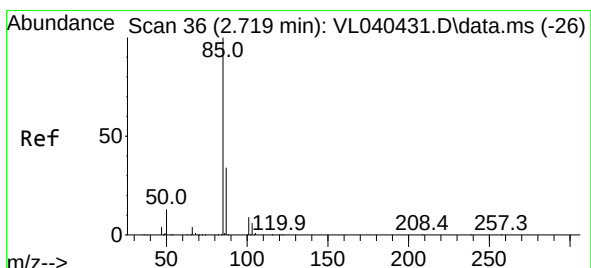
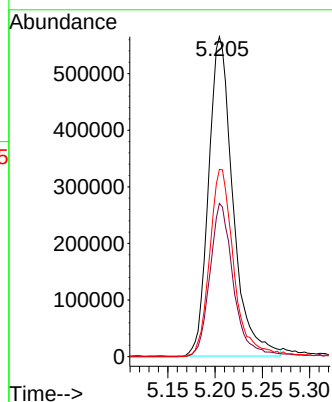
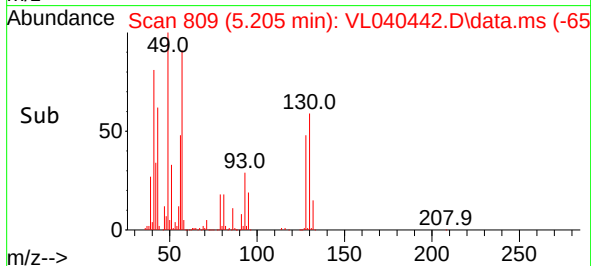
Instrument :
MSVOA_L
ClientSampleId :
SG-1



Tgt Ion: 49 Resp: 101104
Ion Ratio Lower Upper
49 100
128 47.1 24.3 72.8
130 59.1 30.2 90.6

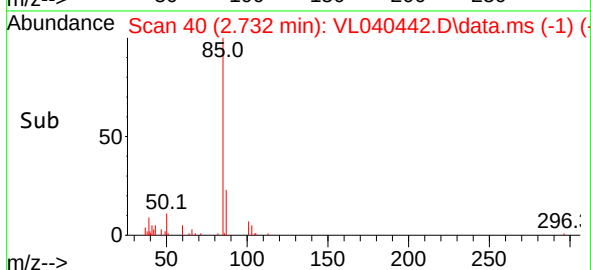
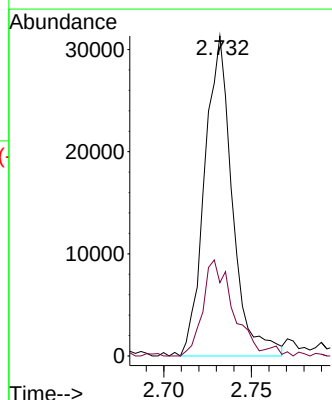
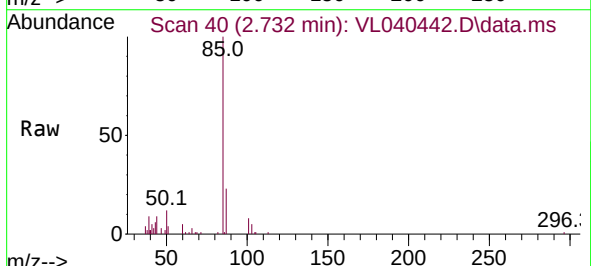
Manual Integrations
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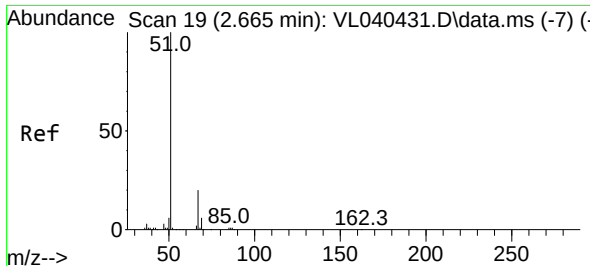
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#2
Dichlorodifluoromethane
Concen: 0.173 ppbv m
RT: 2.732 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43

Tgt Ion: 85 Resp: 34454
Ion Ratio Lower Upper
85 100
87 22.9 27.4 41.0#





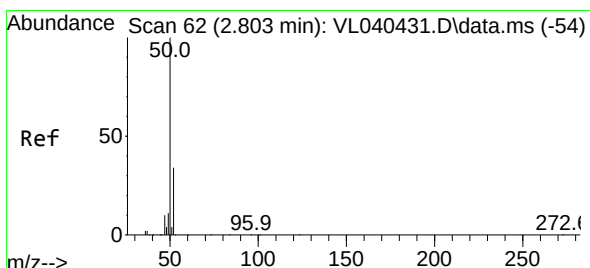
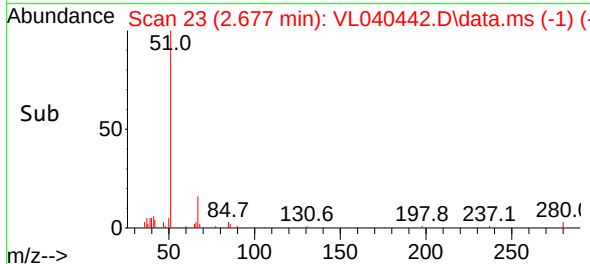
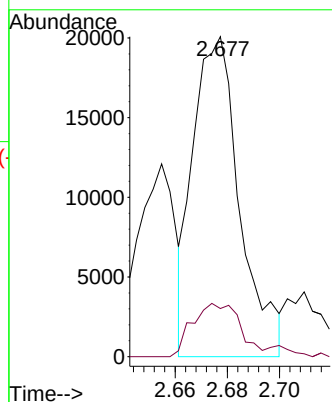
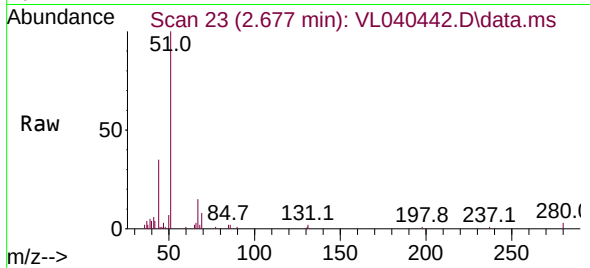
#3
Chlorodifluoromethane
Concen: 0.191 ppbv m
RT: 2.677 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 51 Resp: 24935
Ion Ratio Lower Upper
51 100
67 18.8 15.8 23.6

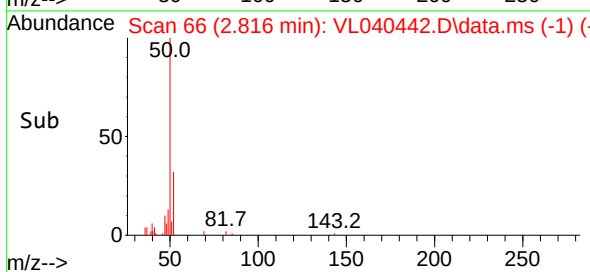
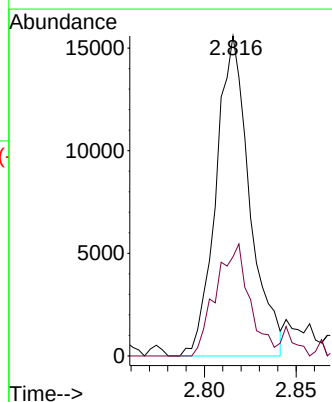
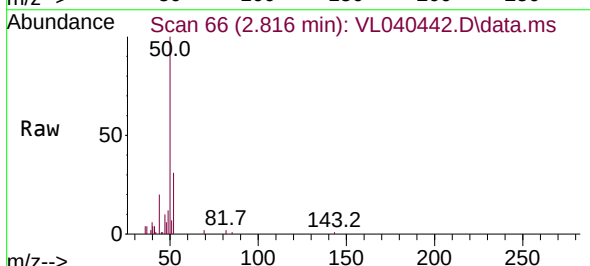
Manual Integrations
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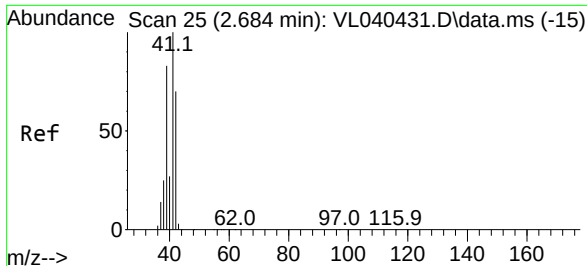
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#4
Chloromethane
Concen: 0.246 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.003 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43

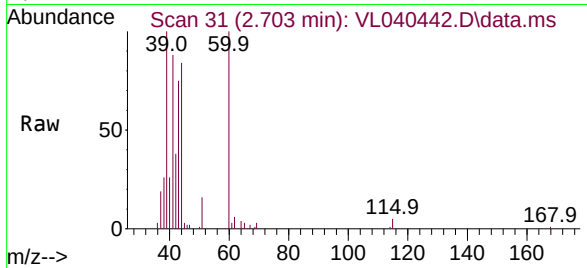
Tgt Ion: 50 Resp: 19949
Ion Ratio Lower Upper
50 100
52 31.0 27.6 41.4





#9
 Propene
 Concen: 0.599 ppbv
 RT: 2.703 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: VL040442.D
 Acq: 16 May 2023 17:43

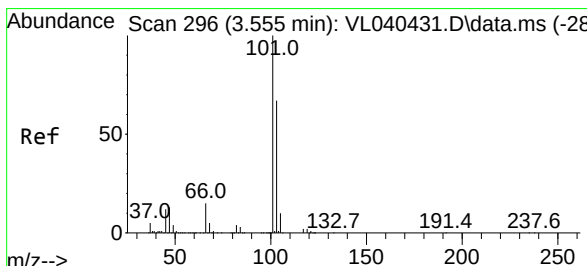
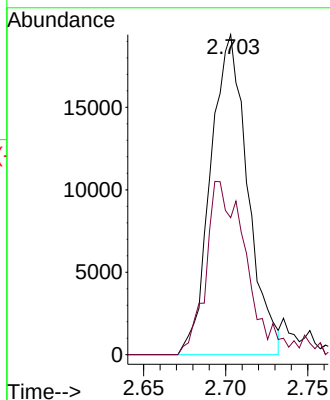
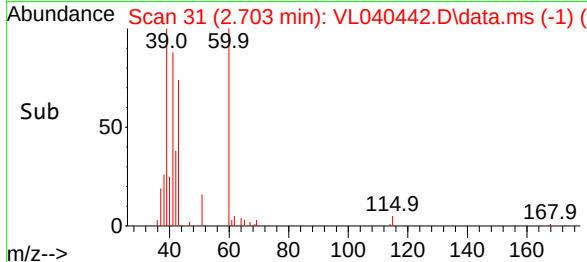
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1



Tgt Ion: 41 Resp: 3042
 Ion Ratio Lower Upper
 41 100
 42 61.2 56.6 84.8

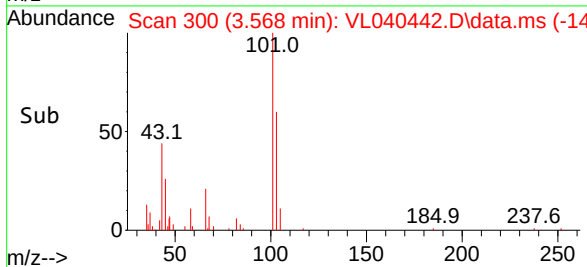
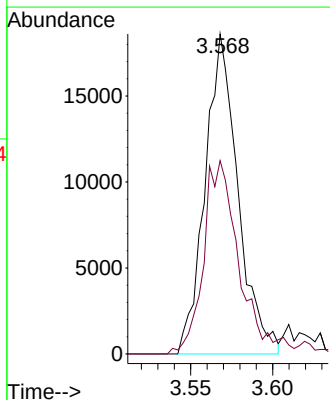
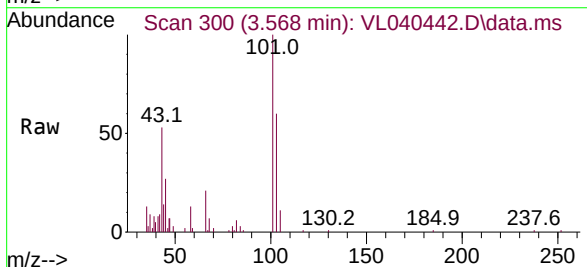
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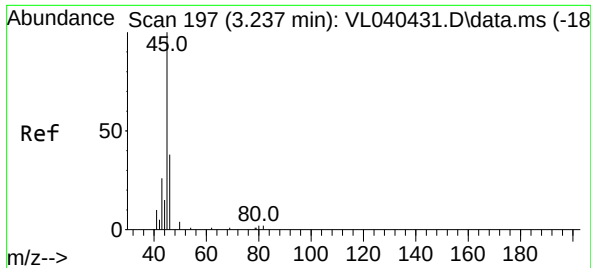
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#11
 Trichlorofluoromethane
 Concen: 0.144 ppbv
 RT: 3.568 min Scan# 300
 Delta R.T. -0.000 min
 Lab File: VL040442.D
 Acq: 16 May 2023 17:43

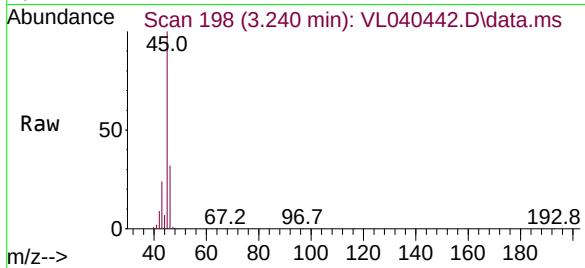
Tgt Ion:101 Resp: 25906
 Ion Ratio Lower Upper
 101 100
 103 59.2 53.3 79.9





#13
Ethanol
Concen: 89.294 ppbv
RT: 3.240 min Scan# 197
Delta R.T. -0.010 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43

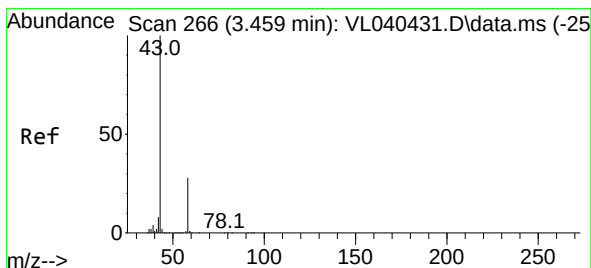
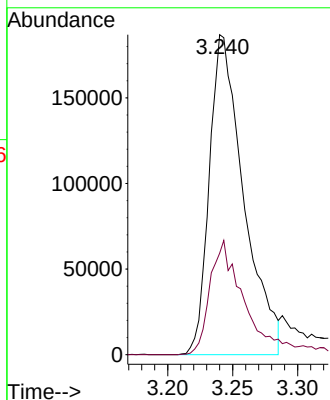
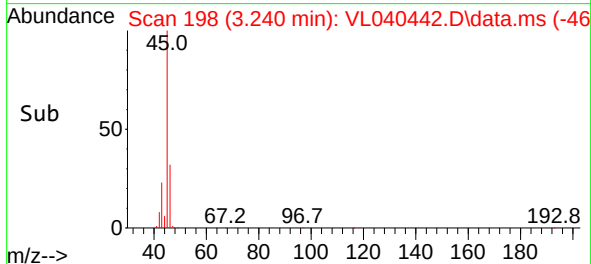
Instrument :
MSVOA_L
ClientSampleId :
SG-1



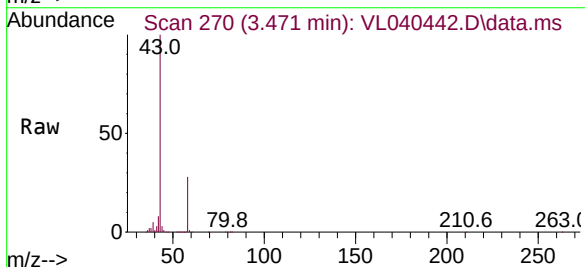
Tgt Ion: 45 Resp: 343750
Ion Ratio Lower Upper
45 100
46 38.9 13.2 52.8

Manual Integrations
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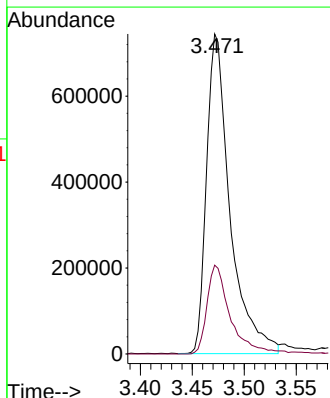
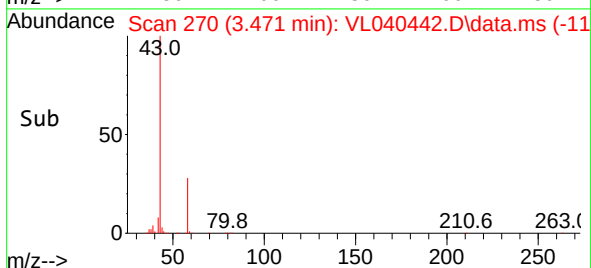
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

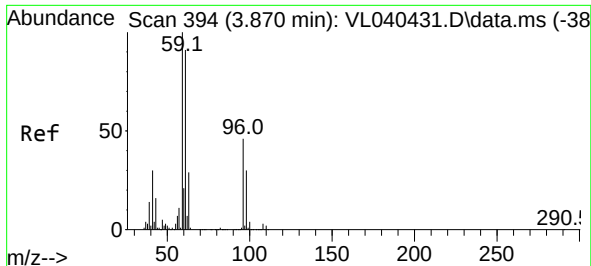


#15
Acetone
Concen: 9.125 ppbv
RT: 3.471 min Scan# 270
Delta R.T. 0.003 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43



Tgt Ion: 43 Resp: 1167127
Ion Ratio Lower Upper
43 100
58 28.1 22.2 33.4





#17

tert-Butyl alcohol

Concen: 0.128 ppbv m

RT: 3.902 min Scan# 404

Delta R.T. 0.022 min

Lab File: VL040442.D

Acq: 16 May 2023 17:43

Instrument :

MSVOA_L

ClientSampleId :

SG-1

Tgt Ion: 59 Resp: 16350

Ion Ratio Lower Upper

59 100

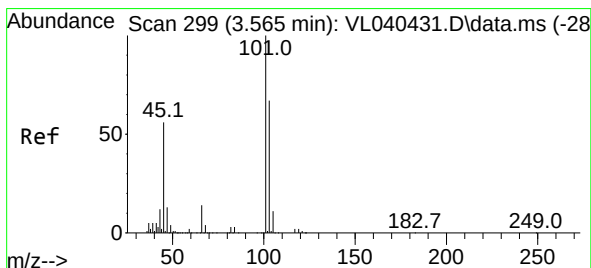
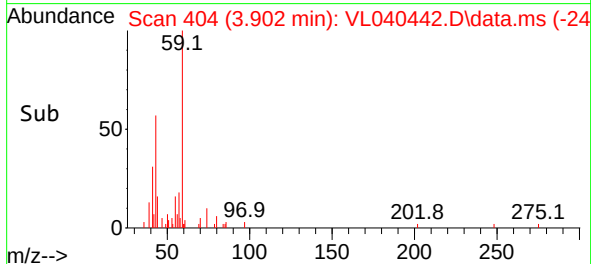
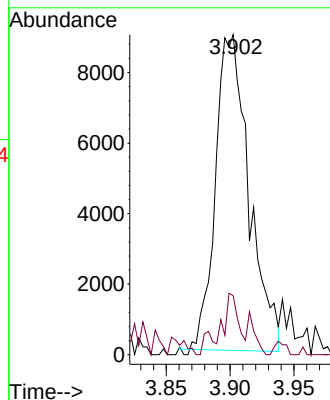
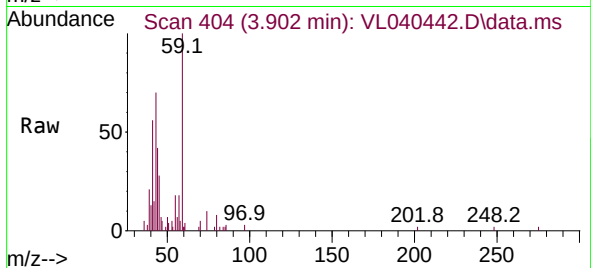
57 0.0 8.6 12.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#19

Isopropyl Alcohol

Concen: 0.999 ppbv m

RT: 3.587 min Scan# 306

Delta R.T. 0.010 min

Lab File: VL040442.D

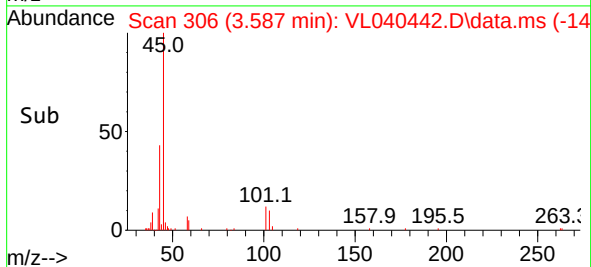
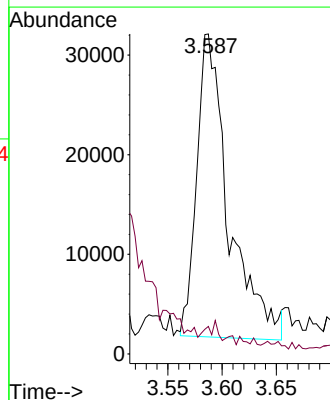
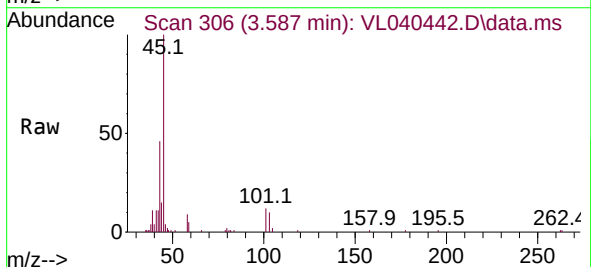
Acq: 16 May 2023 17:43

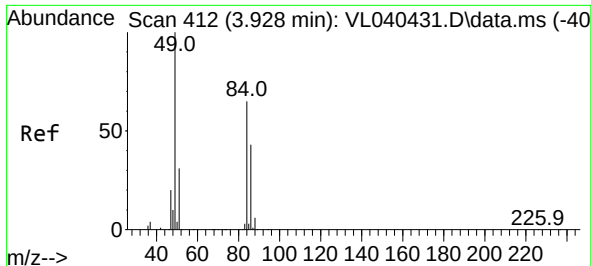
Tgt Ion: 45 Resp: 62222

Ion Ratio Lower Upper

45 100

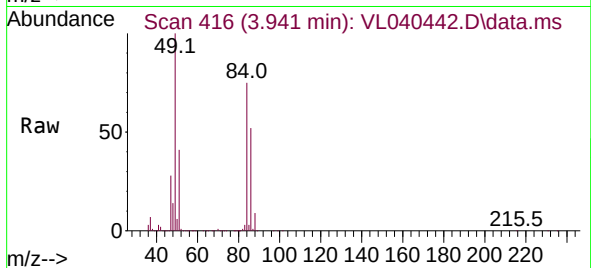
58 0.0 2.1 3.1





#20
Methylene Chloride
Concen: 115.447 ppbv
RT: 3.941 min Scan# 412
Delta R.T. 0.003 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43

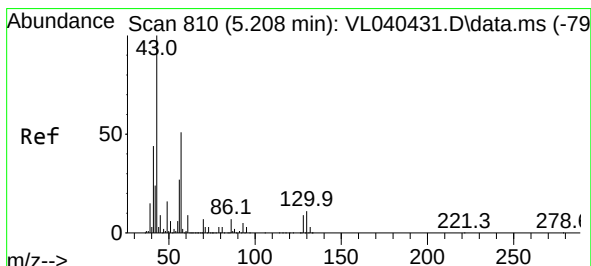
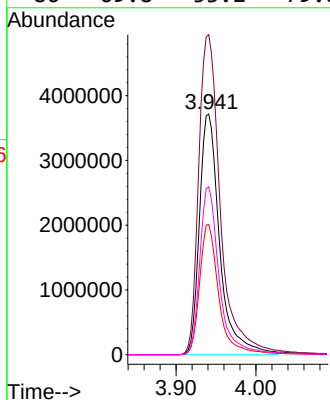
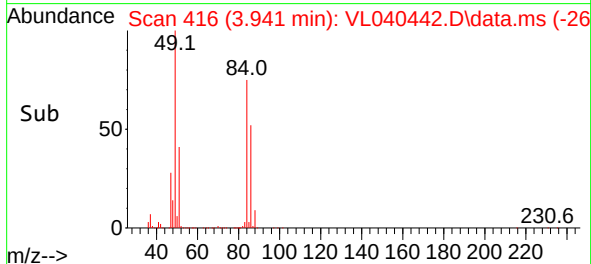
Instrument :
MSVOA_L
ClientSampleId :
SG-1



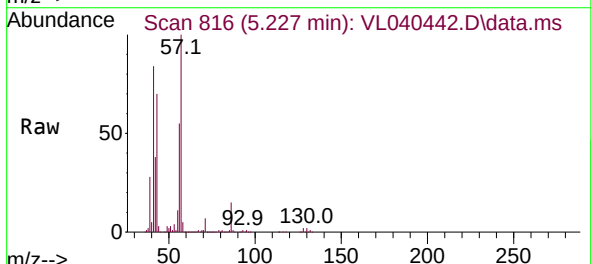
Tgt Ion: 84 Resp: 6577874
Ion Ratio Lower Upper
84 100
49 133.0 123.7 185.5
51 54.1 38.6 57.8
86 69.8 53.2 79.8

Manual Integrations
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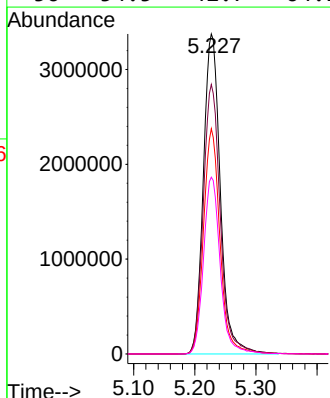
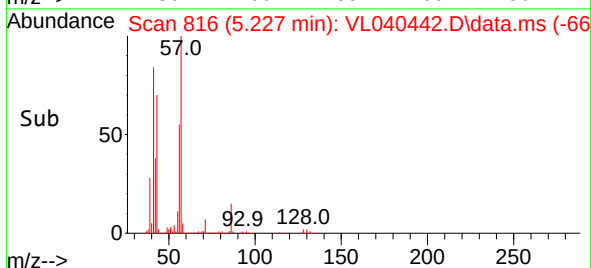
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

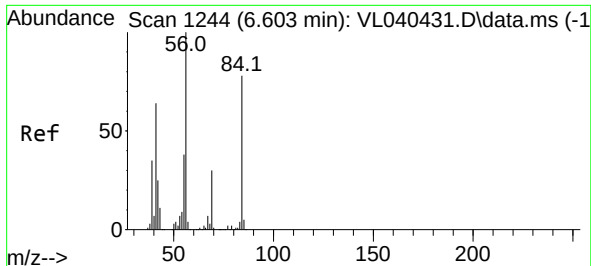


#26
Hexane
Concen: 65.144 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.003 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43



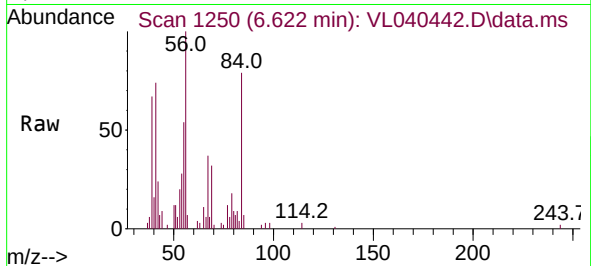
Tgt Ion: 57 Resp: 6504897
Ion Ratio Lower Upper
57 100
41 85.1 75.1 112.7
43 68.5 194.4 291.6#
56 54.5 42.7 64.1





#30
Cyclohexane
Concen: 0.196 ppbv m
RT: 6.622 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43

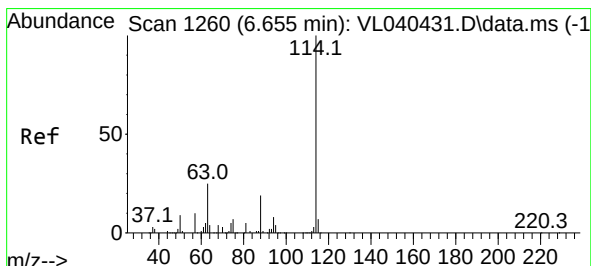
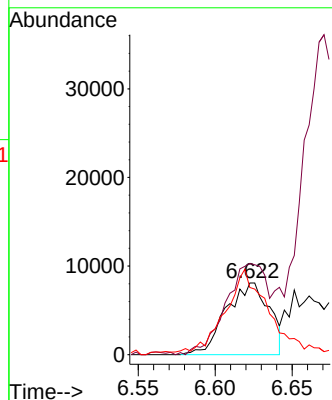
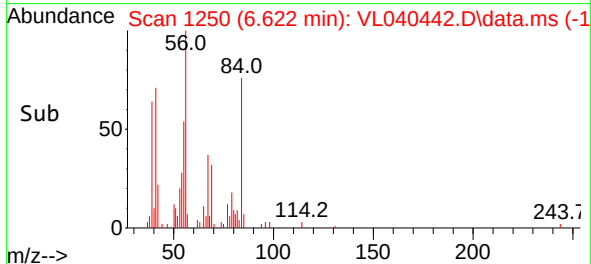
Instrument :
MSVOA_L
ClientSampleId :
SG-1



Tgt Ion: 84 Resp: 1589
Ion Ratio Lower Upper
84 100
56 0.0 108.2 162.4
41 0.0 66.9 100.3

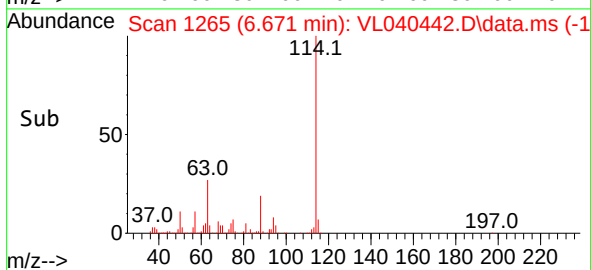
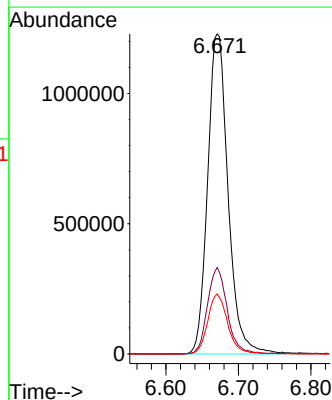
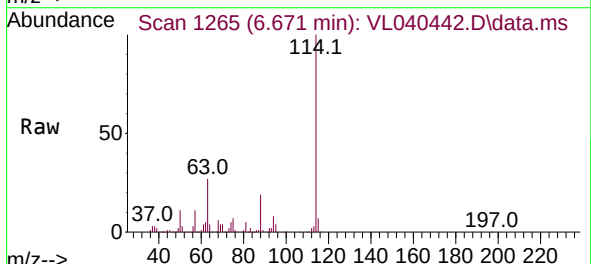
Manual Integrations
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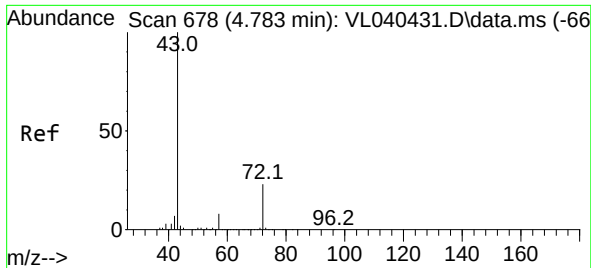
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43

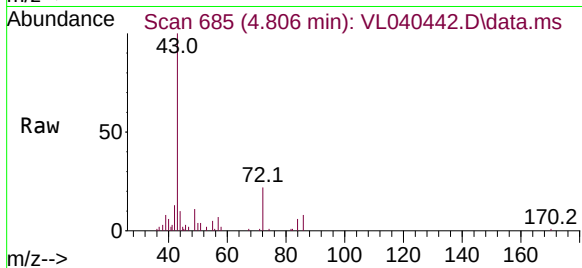
Tgt Ion:114 Resp: 2403502
Ion Ratio Lower Upper
114 100
63 26.3 21.0 31.6
88 18.4 14.6 22.0





#34
2-Butanone
Concen: 0.283 ppbv m
RT: 4.806 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43

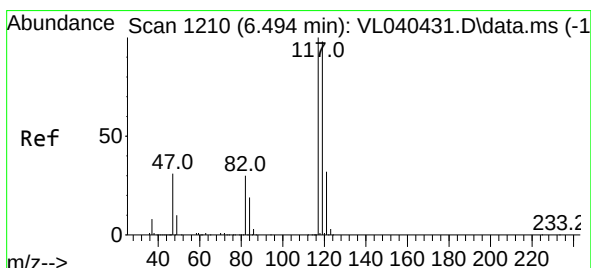
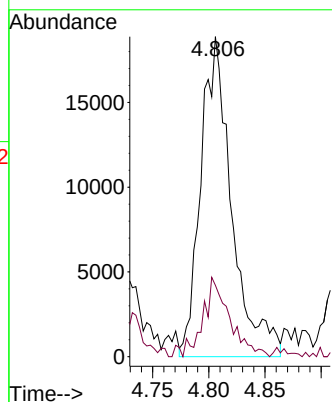
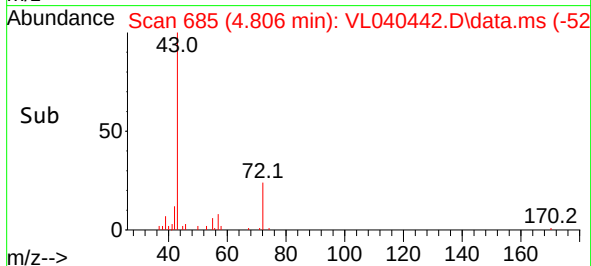
Instrument :
MSVOA_L
ClientSampleId :
SG-1



Tgt Ion: 43 Resp: 36160
Ion Ratio Lower Upper
43 100
72 3.6 18.3 27.5

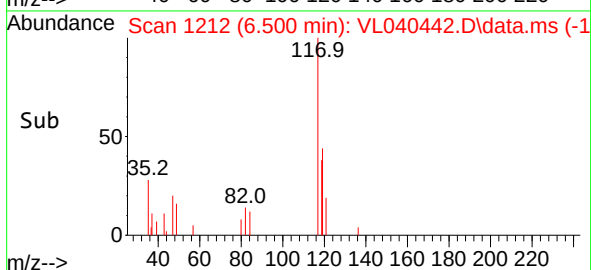
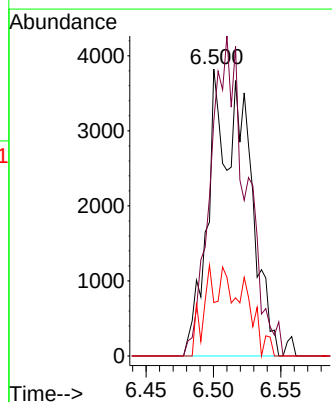
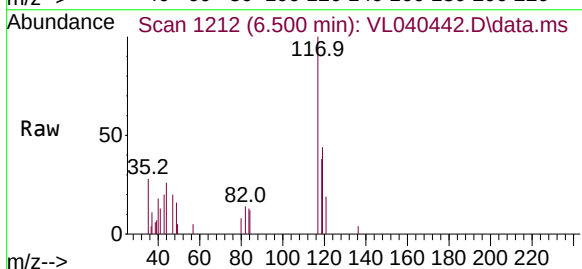
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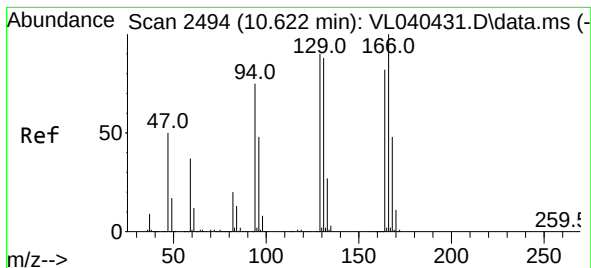
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#35
Carbon Tetrachloride
Concen: 0.044 ppbv m
RT: 6.500 min Scan# 1212
Delta R.T. -0.010 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43

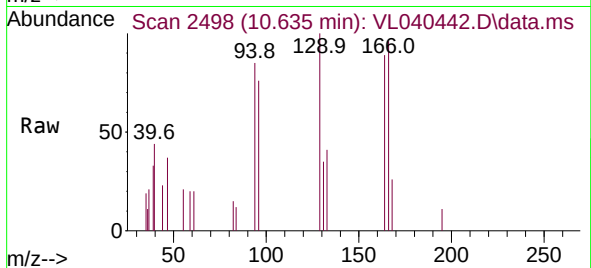
Tgt Ion:117 Resp: 7615
Ion Ratio Lower Upper
117 100
119 43.6 78.0 117.0#
121 18.7 25.2 37.8#





#52
Tetrachloroethene
Concen: 0.034 ppbv m
RT: 10.635 min Scan# 2498
Delta R.T. -0.003 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43

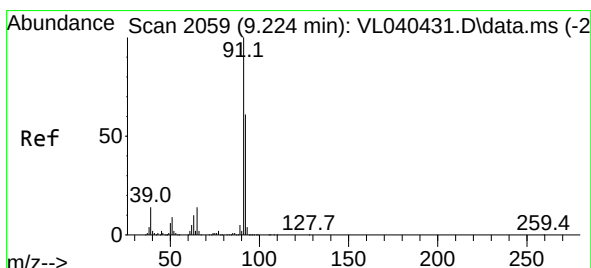
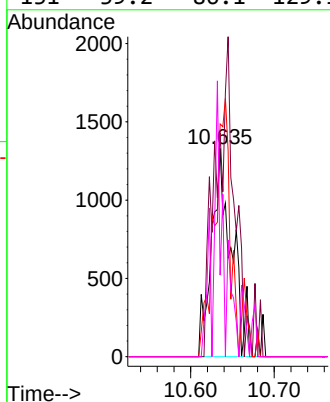
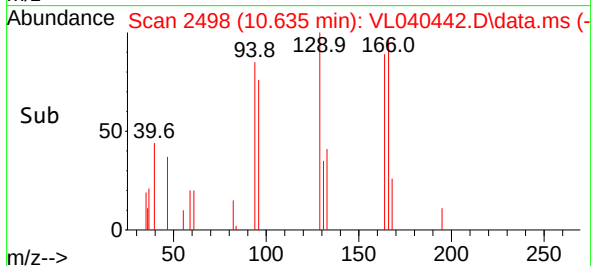
Instrument :
MSVOA_L
ClientSampleId :
SG-1



Tgt Ion:164 Resp: 2261
Ion Ratio Lower Upper
164 100
166 107.5 97.8 146.6
129 111.8 88.4 132.6
131 39.2 86.1 129.1#

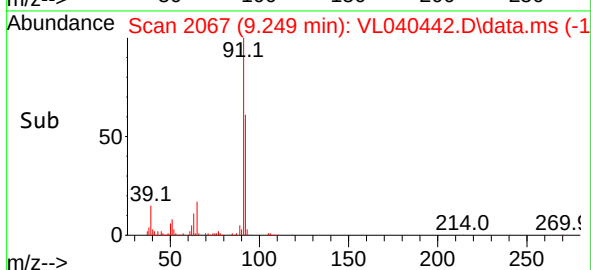
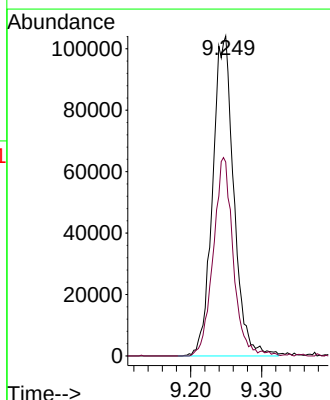
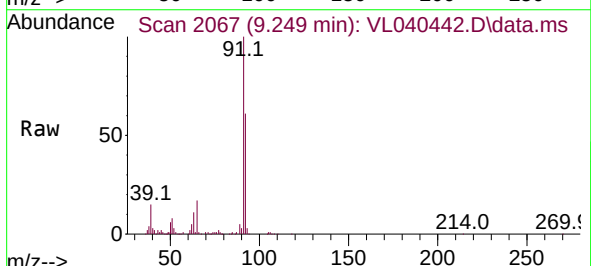
Manual Integrations
APPROVED

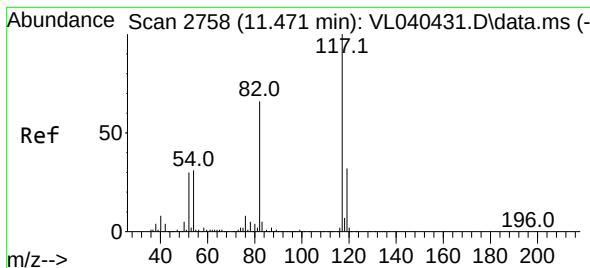
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#53
Toluene
Concen: 1.046 ppbv m
RT: 9.249 min Scan# 2067
Delta R.T. 0.006 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43

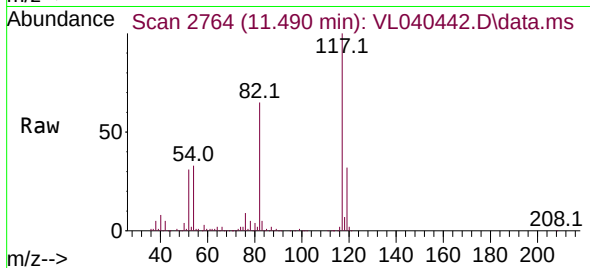
Tgt Ion: 91 Resp: 215592
Ion Ratio Lower Upper
91 100
92 0.0 49.1 73.7#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.490 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43

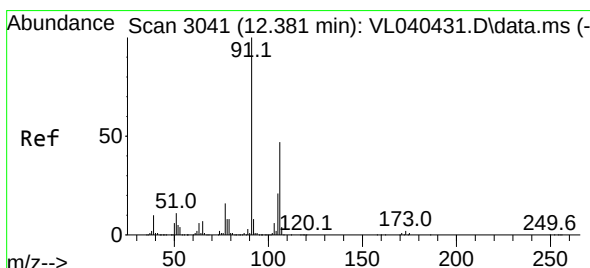
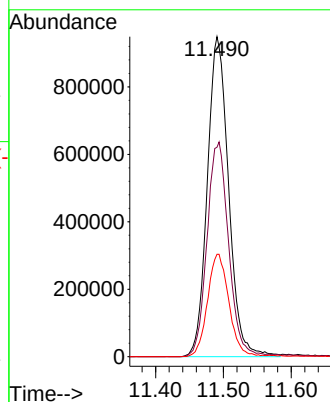
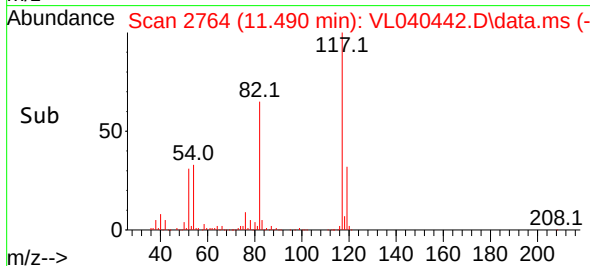
Instrument :
MSVOA_L
ClientSampleId :
SG-1



Tgt Ion:117 Resp: 2071804
Ion Ratio Lower Upper
117 100
82 69.2 52.5 78.7
119 32.6 24.0 36.0

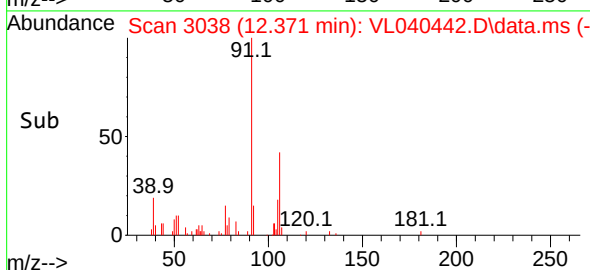
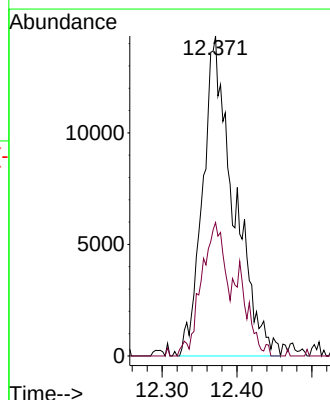
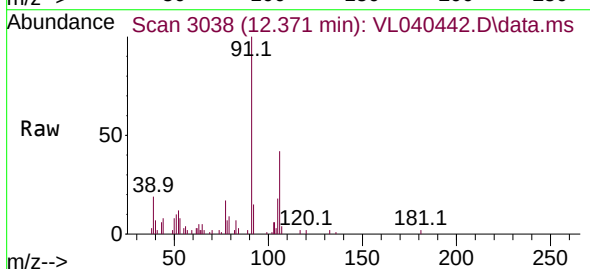
Manual Integrations
APPROVED

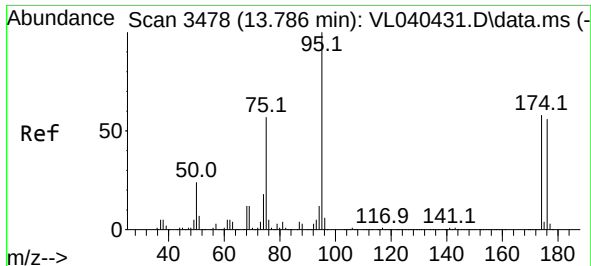
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#59
m/p-Xylene
Concen: 0.173 ppbv m
RT: 12.371 min Scan# 3038
Delta R.T. -0.026 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43

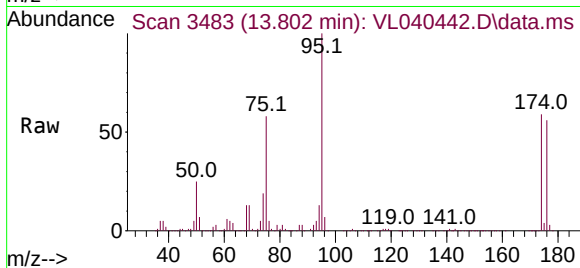
Tgt Ion: 91 Resp: 41353
Ion Ratio Lower Upper
91 100
106 0.0 34.9 52.3#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.125 ppbv
RT: 13.802 min Scan# 3478
Delta R.T. 0.003 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43

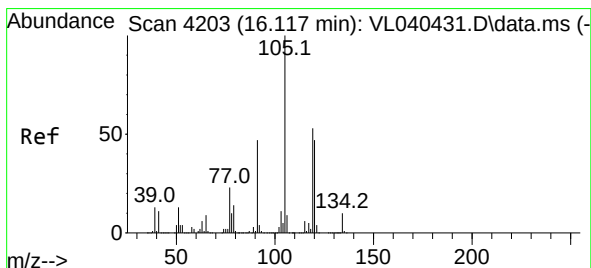
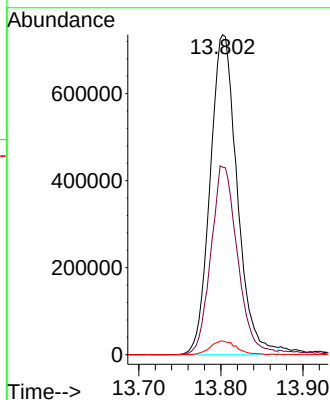
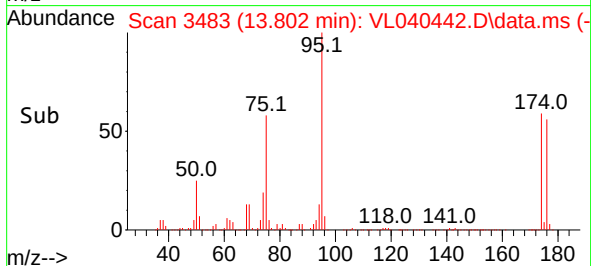
Instrument :
MSVOA_L
ClientSampleId :
SG-1



Tgt Ion: 95 Resp: 168665
Ion Ratio Lower Upper
95 100
174 59.3 47.0 70.6
175 4.3 3.4 5.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.195 ppbv
RT: 16.140 min Scan# 4210
Delta R.T. 0.006 min
Lab File: VL040442.D
Acq: 16 May 2023 17:43

Tgt Ion:105 Resp: 53155
Ion Ratio Lower Upper
105 100
120 41.8 38.1 57.1
91 16.4 40.2 60.2#
77 16.6 19.0 28.4#

