

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042324\
 Data File : VL041157.D
 Acq On : 23 Apr 2024 12:40
 Operator : SY/MD
 Sample : P2222-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/24/2024
 Supervised By :Mahesh Dadoda 04/24/2024

Quant Time: Apr 24 02:51:19 2024

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

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

QLast Update : Wed Apr 24 02:47:46 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1032827	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2577703	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2429600	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1867016	9.556	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.600%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.729	85	50610	0.286	ppbv	96
3) Chlorodifluoromethane	2.674	51	89344	0.562	ppbv #	90
4) Chloromethane	2.813	50	35946	0.597	ppbv	88
9) Propene	2.706	41	62142	1.228	ppbv #	66
11) Trichlorofluoromethane	3.558	101	39581	0.247	ppbv	85
13) Ethanol	3.240	45	218820	18.179	ppbv	98
15) Acetone	3.468	43	489808	4.380	ppbv	98
20) Methylene Chloride	3.931	84	171466	3.717	ppbv	92
26) Hexane	5.208	57	268779	2.852	ppbv #	41
34) 2-Butanone	4.793	43	34452m	0.316	ppbv	
35) Carbon Tetrachloride	6.481	117	11303m	0.077	ppbv	
36) Benzene	6.359	78	29343	0.155	ppbv	96
52) Tetrachloroethene	10.610	164	2744m	0.045	ppbv	
53) Toluene	9.211	91	37345m	0.187	ppbv	
59) m/p-Xylene	12.336	91	25337m	0.105	ppbv	
61) Styrene	12.893	104	31310m	0.310	ppbv	

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

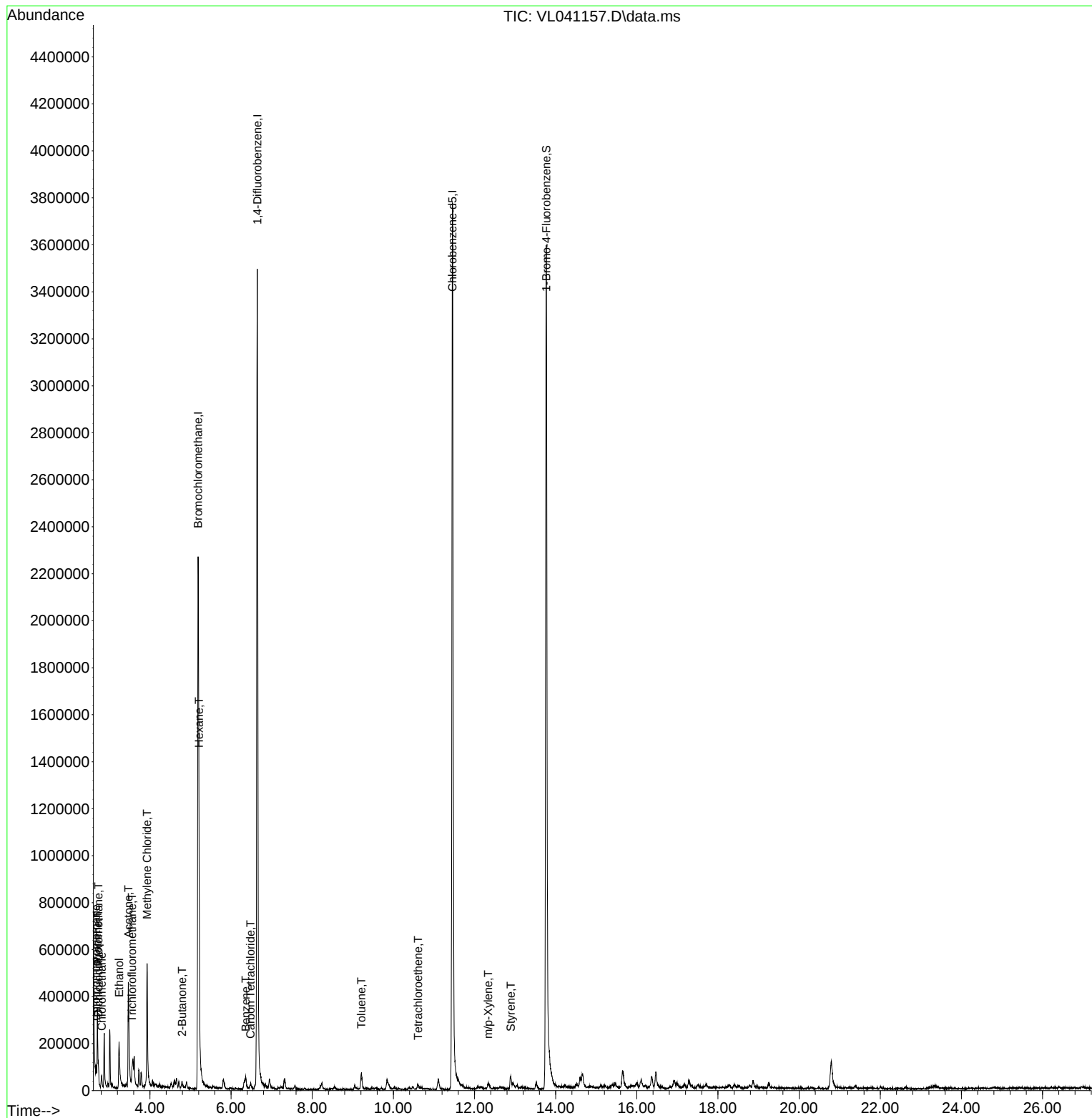
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042324\
Data File : VL041157.D
Acq On : 23 Apr 2024 12:40
Operator : SY/MD
Sample : P2222-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

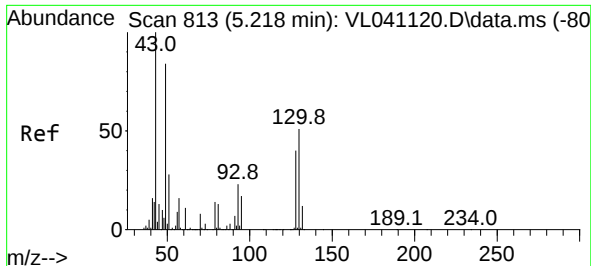
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: Apr 24 02:51:19 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 : Wed Apr 24 02:47:46 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

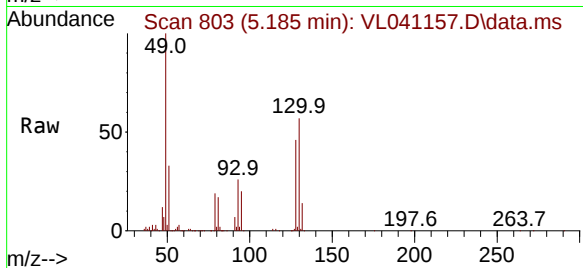
Reviewed By :Semsettin Yesilyurt 04/24/2024
Supervised By :Mahesh Dadoda 04/24/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.004 min
Lab File: VL041157.D
Acq: 23 Apr 2024 12:40

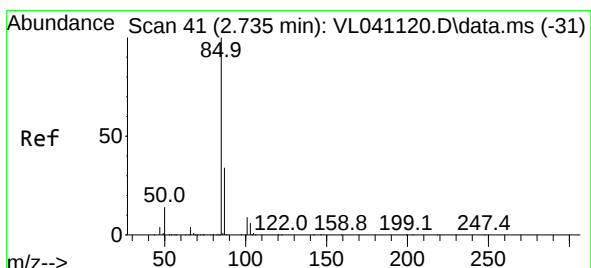
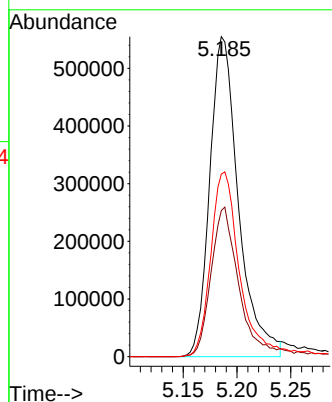
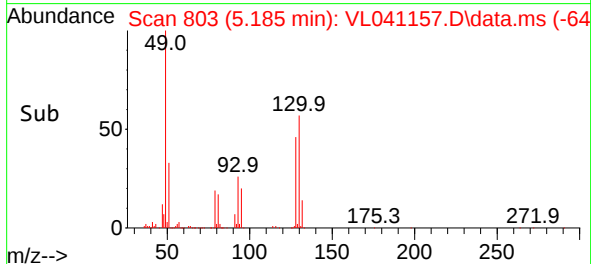
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 49 Resp: 103282
Ion Ratio Lower Upper
49 100
128 47.4 23.6 71.0
130 61.3 30.1 90.5

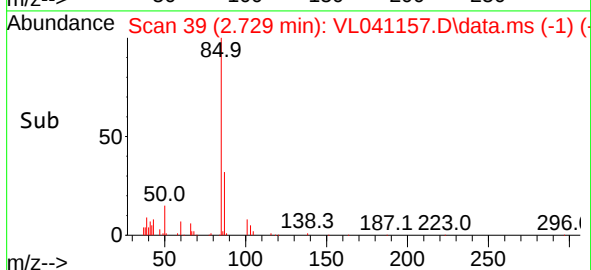
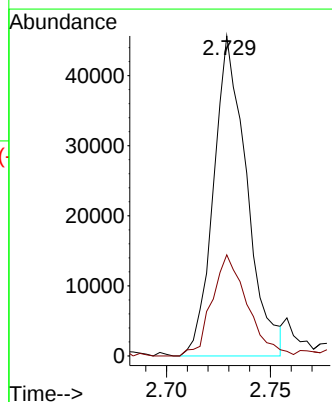
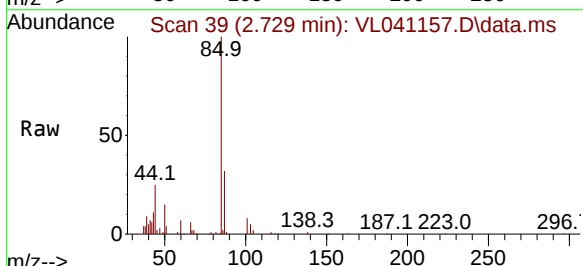
Manual Integrations
APPROVED

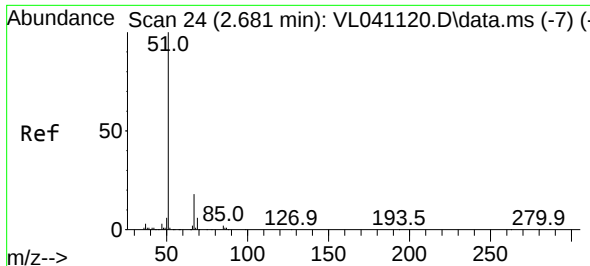
Reviewed By :Semsettin Yesilyurt 04/24/2024
Supervised By :Mahesh Dadoda 04/24/2024



#2
Dichlorodifluoromethane
Concen: 0.286 ppbv
RT: 2.729 min Scan# 39
Delta R.T. -0.006 min
Lab File: VL041157.D
Acq: 23 Apr 2024 12:40

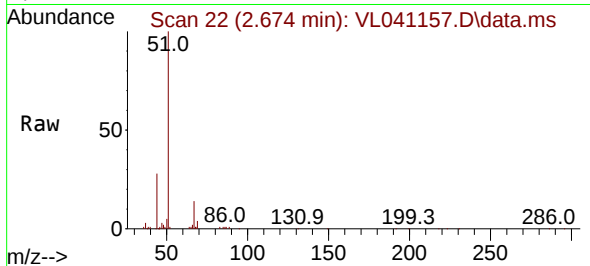
Tgt Ion: 85 Resp: 50610
Ion Ratio Lower Upper
85 100
87 31.6 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.562 ppbv
RT: 2.674 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041157.D
Acq: 23 Apr 2024 12:40

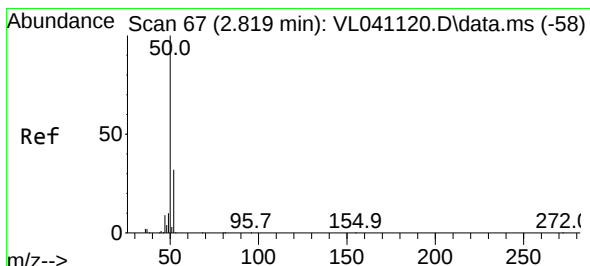
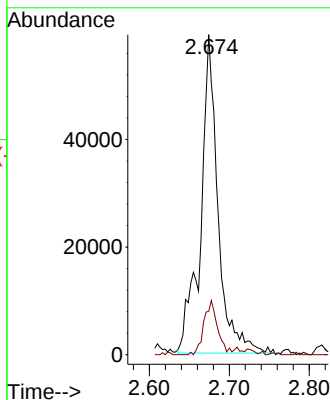
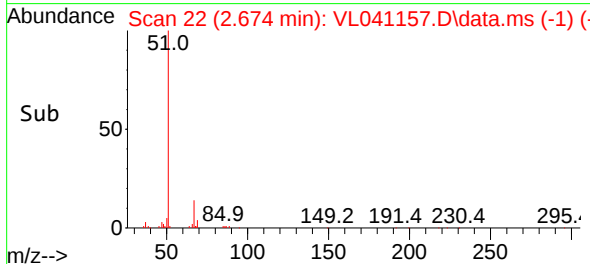
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



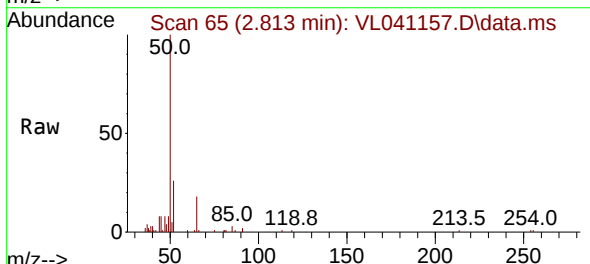
Tgt Ion: 51 Resp: 89344
Ion Ratio Lower Upper
51 100
67 14.2 14.9 22.3

Manual Integrations
APPROVED

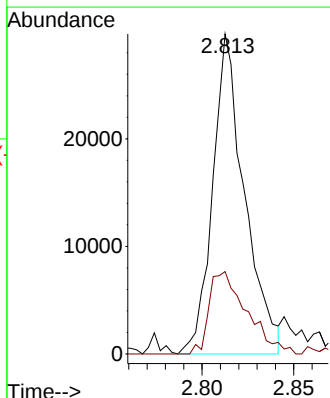
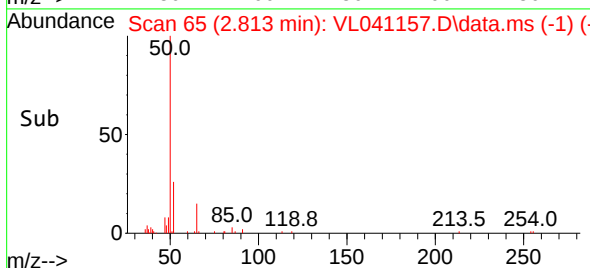
Reviewed By :Semsettin Yesilyurt 04/24/2024
Supervised By :Mahesh Dadoda 04/24/2024

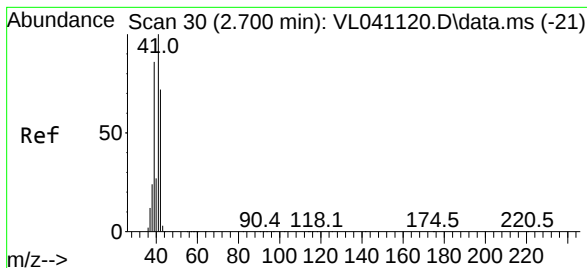


#4
Chloromethane
Concen: 0.597 ppbv
RT: 2.813 min Scan# 65
Delta R.T. -0.006 min
Lab File: VL041157.D
Acq: 23 Apr 2024 12:40



Tgt Ion: 50 Resp: 35946
Ion Ratio Lower Upper
50 100
52 26.0 26.0 39.0





#9

Propene

Concen: 1.228 ppbv

RT: 2.706 min Scan# 30

Delta R.T. 0.006 min

Lab File: VL041157.D

Acq: 23 Apr 2024 12:40

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tgt Ion: 41 Resp: 6214

Ion Ratio Lower Upper

41 100

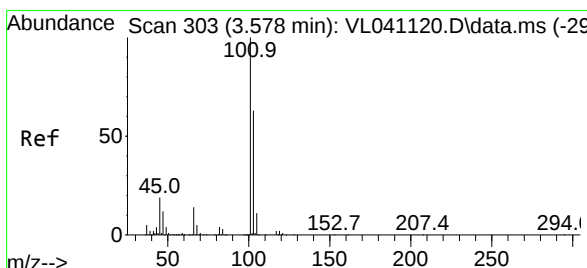
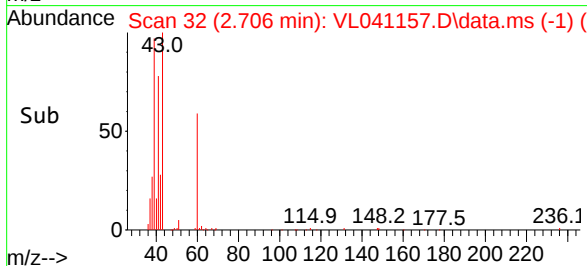
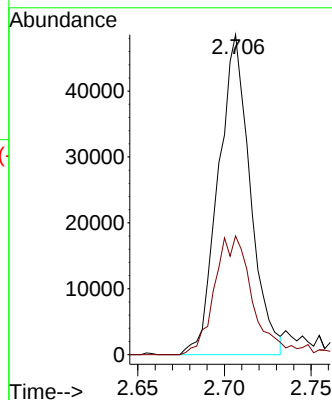
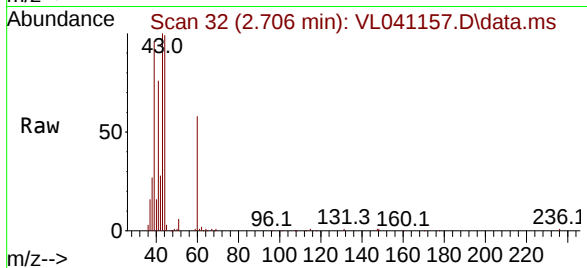
42 46.2 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/24/2024

Supervised By :Mahesh Dadoda 04/24/2024



#11

Trichlorofluoromethane

Concen: 0.247 ppbv

RT: 3.558 min Scan# 297

Delta R.T. -0.003 min

Lab File: VL041157.D

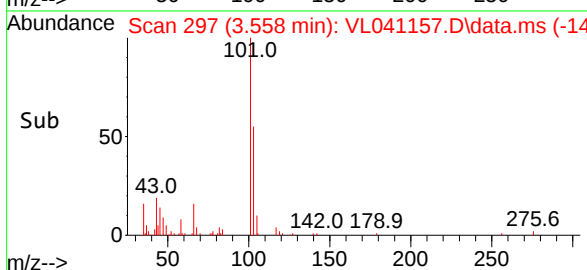
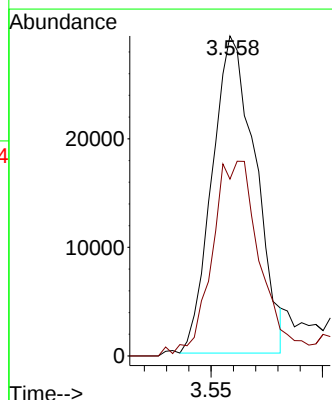
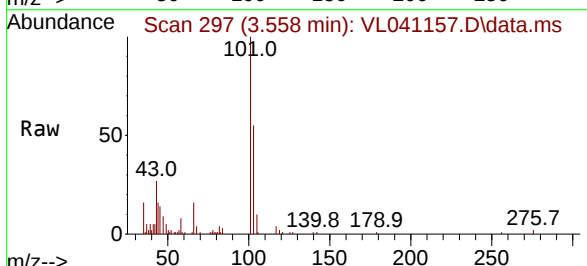
Acq: 23 Apr 2024 12:40

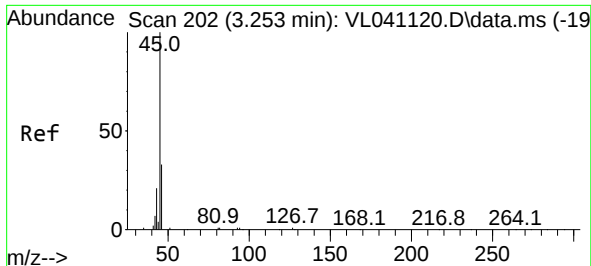
Tgt Ion:101 Resp: 39581

Ion Ratio Lower Upper

101 100

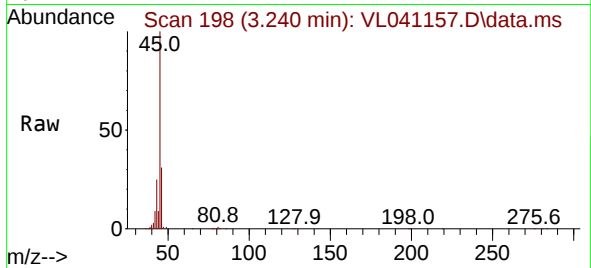
103 51.5 50.6 75.8





#13
Ethanol
Concen: 18.179 ppbv
RT: 3.240 min Scan# 198
Delta R.T. -0.003 min
Lab File: VL041157.D
Acq: 23 Apr 2024 12:40

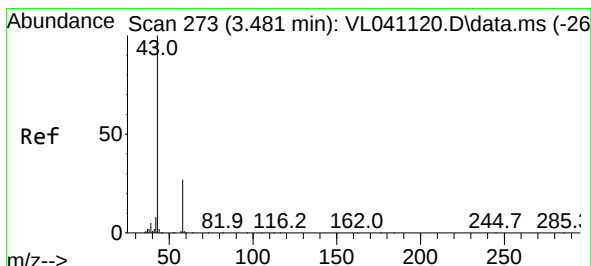
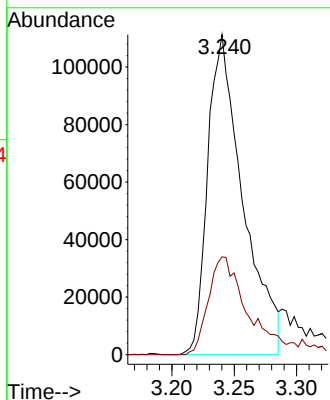
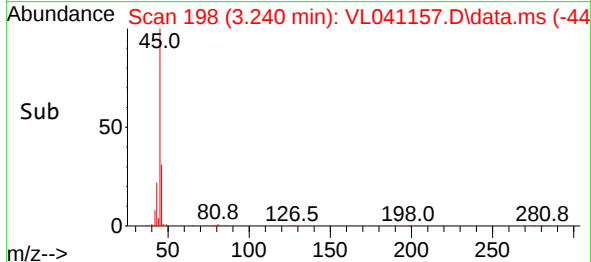
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



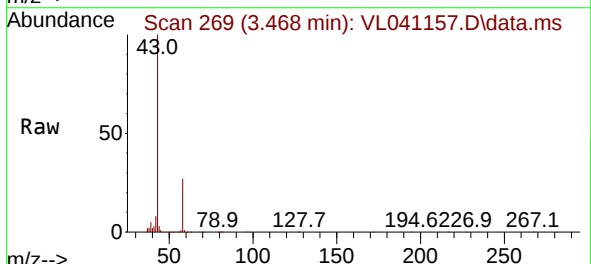
Tgt Ion: 45 Resp: 218820
Ion Ratio Lower Upper
45 100
46 38.7 15.0 59.8

Manual Integrations
APPROVED

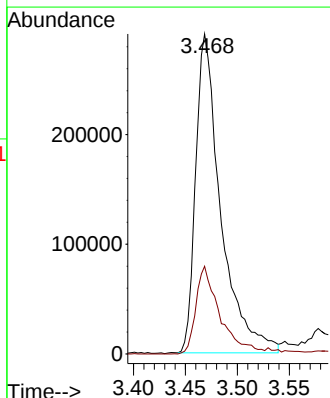
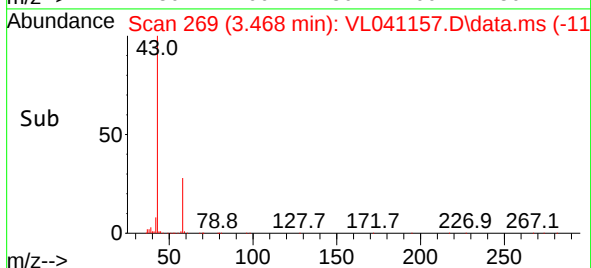
Reviewed By :Semsettin Yesilyurt 04/24/2024
Supervised By :Mahesh Dadoda 04/24/2024

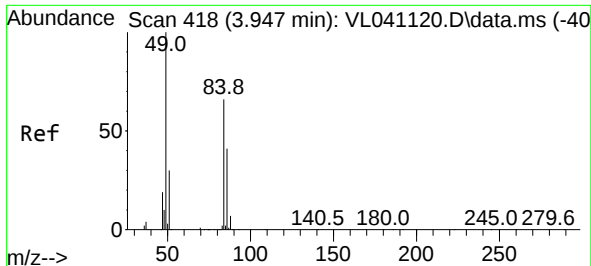


#15
Acetone
Concen: 4.380 ppbv
RT: 3.468 min Scan# 269
Delta R.T. -0.000 min
Lab File: VL041157.D
Acq: 23 Apr 2024 12:40



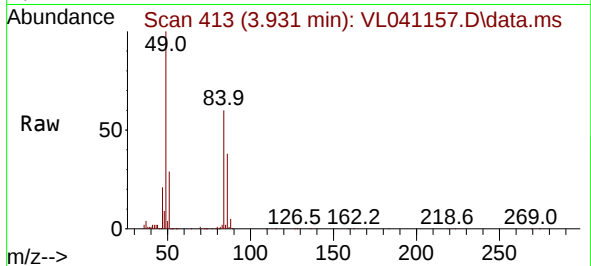
Tgt Ion: 43 Resp: 489808
Ion Ratio Lower Upper
43 100
58 27.7 21.1 31.7





#20
Methylene Chloride
Concen: 3.717 ppbv
RT: 3.931 min Scan# 418
Delta R.T. -0.000 min
Lab File: VL041157.D
Acq: 23 Apr 2024 12:40

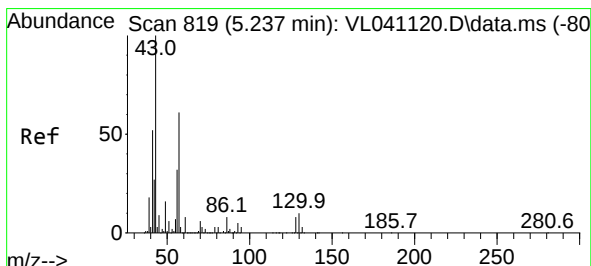
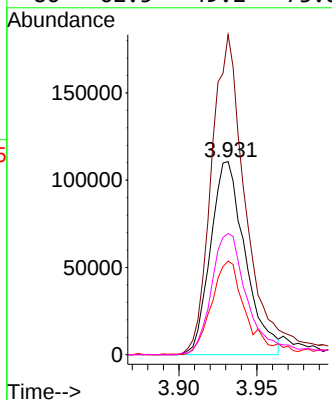
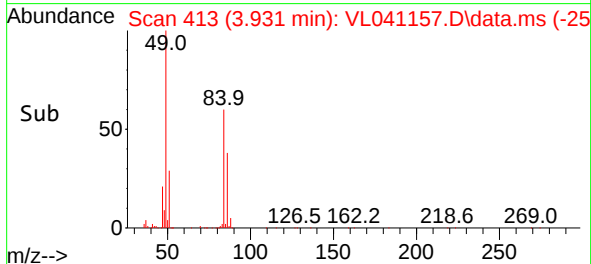
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 84 Resp: 171460
Ion Ratio Lower Upper
84 100
49 165.7 120.7 181.1
51 48.1 36.6 54.8
86 62.5 49.2 73.8

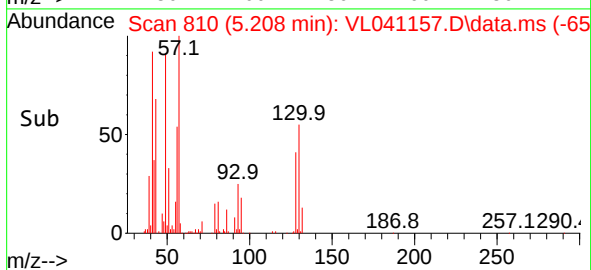
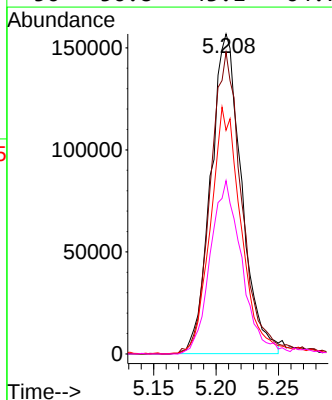
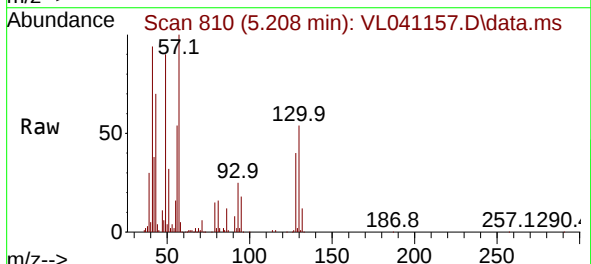
Manual Integrations
APPROVED

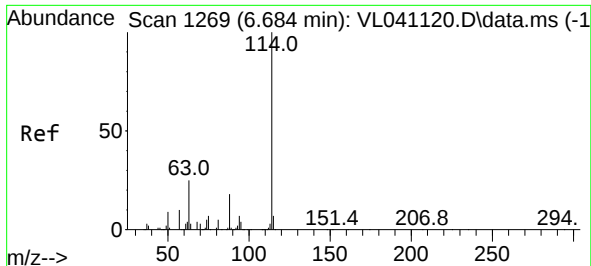
Reviewed By :Semsettin Yesilyurt 04/24/2024
Supervised By :Mahesh Dadoda 04/24/2024



#26
Hexane
Concen: 2.852 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.000 min
Lab File: VL041157.D
Acq: 23 Apr 2024 12:40

Tgt Ion: 57 Resp: 268779
Ion Ratio Lower Upper
57 100
41 98.7 73.8 110.8
43 79.0 186.2 279.2#
56 56.8 43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL041157.D

Acq: 23 Apr 2024 12:40

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tgt Ion:114 Resp: 257770

Ion Ratio Lower Upper

114 100

63 25.8 20.9 31.3

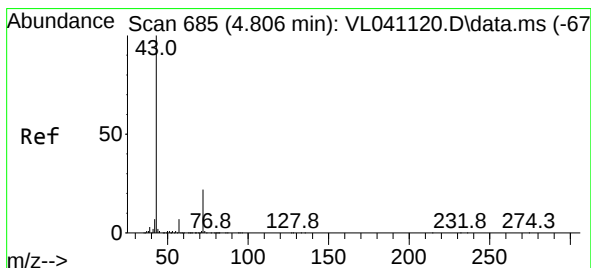
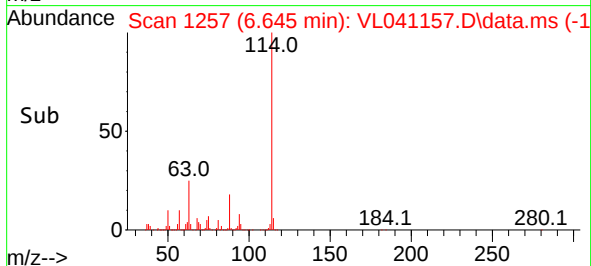
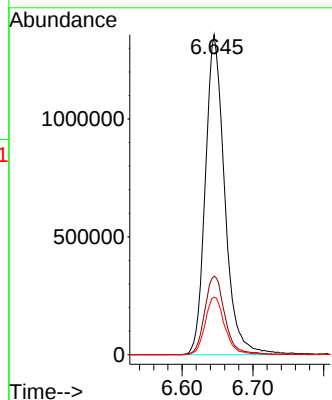
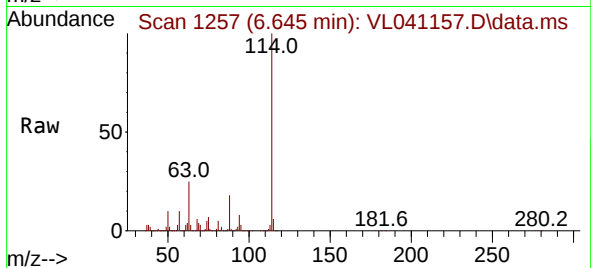
88 18.3 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/24/2024

Supervised By :Mahesh Dadoda 04/24/2024



#34

2-Butanone

Concen: 0.316 ppbv m

RT: 4.793 min Scan# 681

Delta R.T. 0.013 min

Lab File: VL041157.D

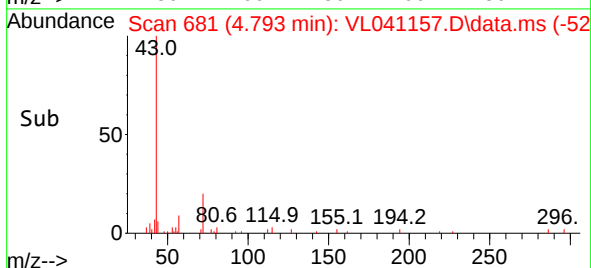
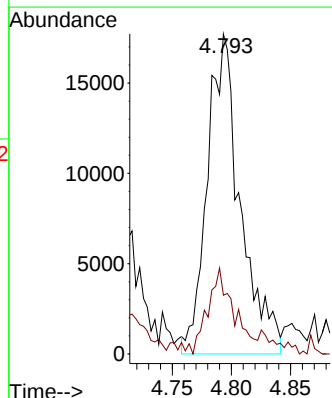
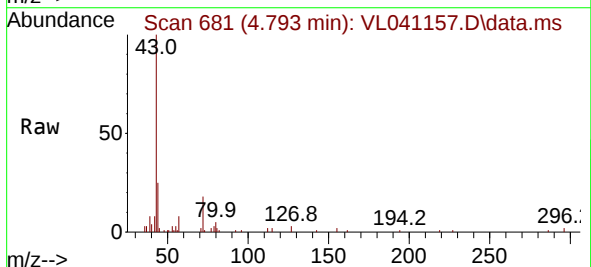
Acq: 23 Apr 2024 12:40

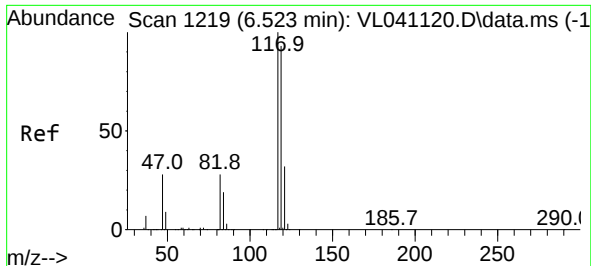
Tgt Ion: 43 Resp: 34452

Ion Ratio Lower Upper

43 100

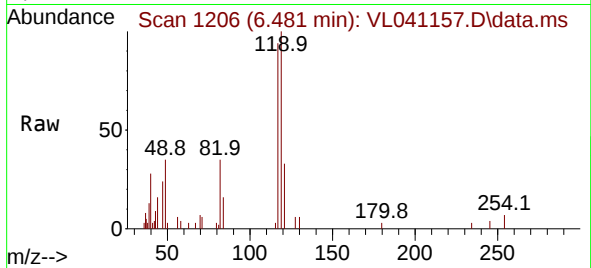
72 0.0 17.6 26.4#





#35
Carbon Tetrachloride
Concen: 0.077 ppbv m
RT: 6.481 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VL041157.D
Acq: 23 Apr 2024 12:40

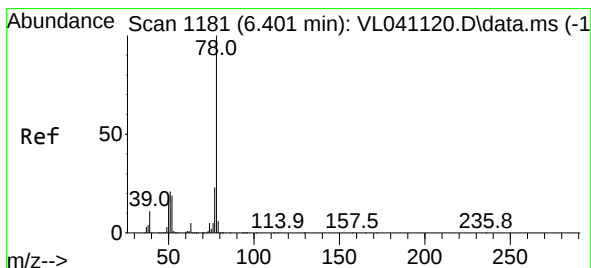
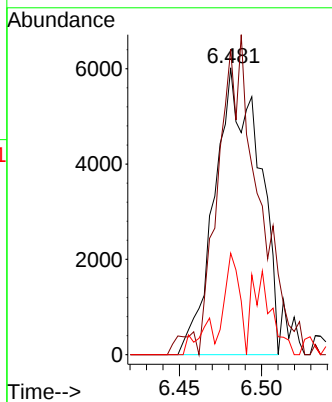
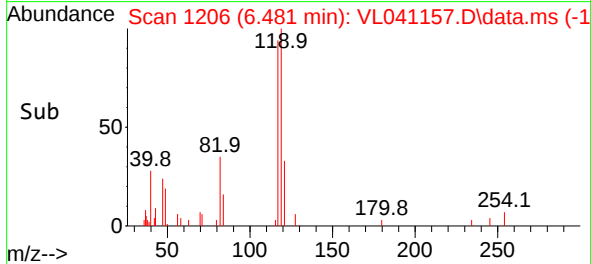
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 117 Resp: 1130
Ion Ratio Lower Upper
117 100
119 106.5 74.2 111.4
121 35.4 25.4 38.2

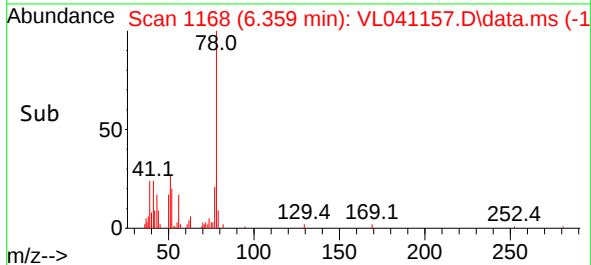
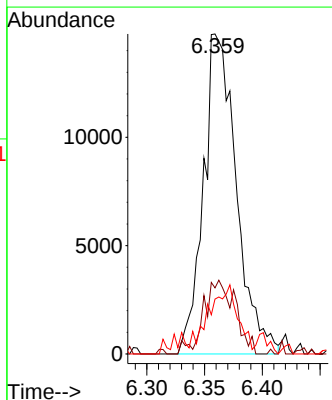
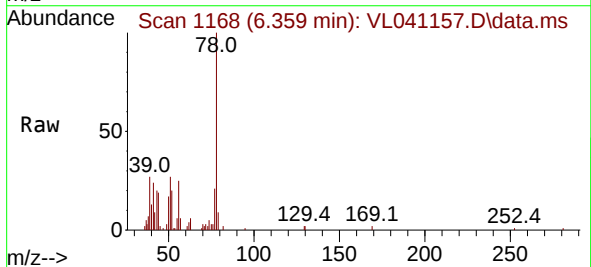
Manual Integrations
APPROVED

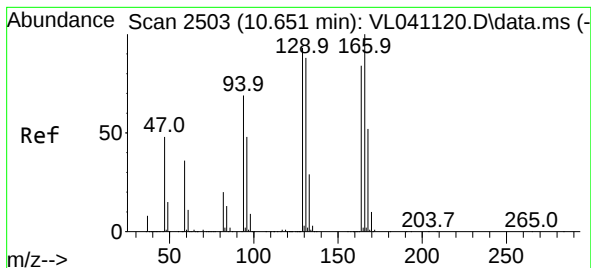
Reviewed By :Semsettin Yesilyurt 04/24/2024
Supervised By :Mahesh Dadoda 04/24/2024



#36
Benzene
Concen: 0.155 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VL041157.D
Acq: 23 Apr 2024 12:40

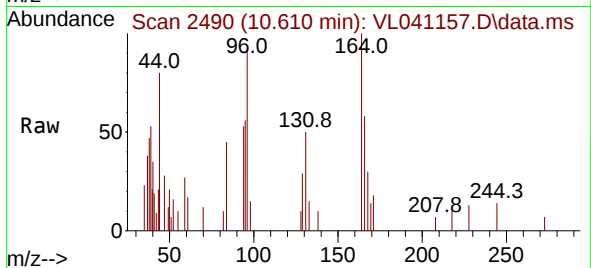
Tgt Ion: 78 Resp: 29343
Ion Ratio Lower Upper
78 100
77 21.2 18.2 27.4
50 17.6 15.4 23.2





#52
Tetrachloroethene
Concen: 0.045 ppbv m
RT: 10.610 min Scan# 2490
Delta R.T. 0.003 min
Lab File: VL041157.D
Acq: 23 Apr 2024 12:40

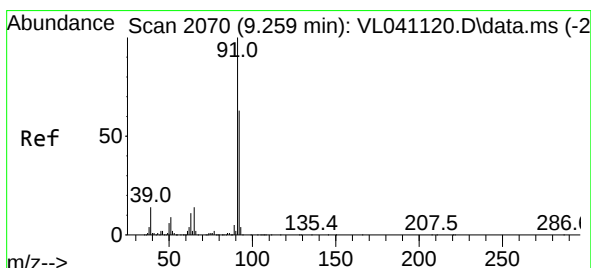
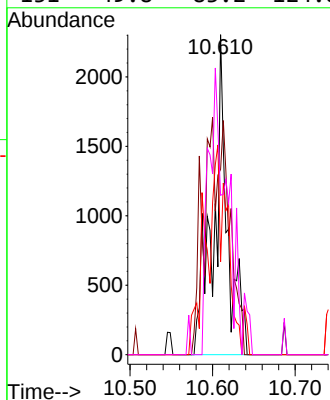
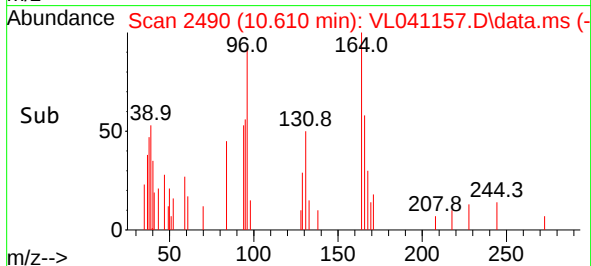
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



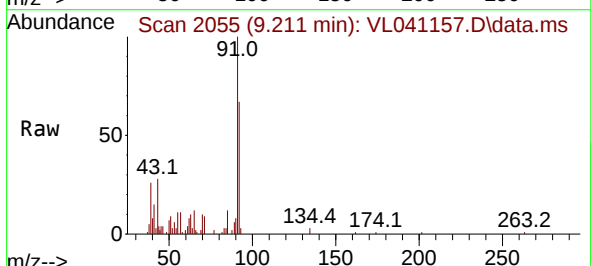
Tgt Ion:164 Resp: 2744
Ion Ratio Lower Upper
164 100
166 57.9 95.0 142.6
129 29.0 88.7 133.1
131 49.8 83.2 124.8

Manual Integrations
APPROVED

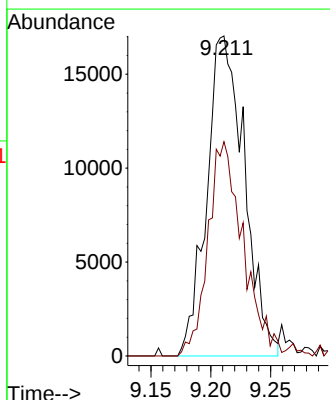
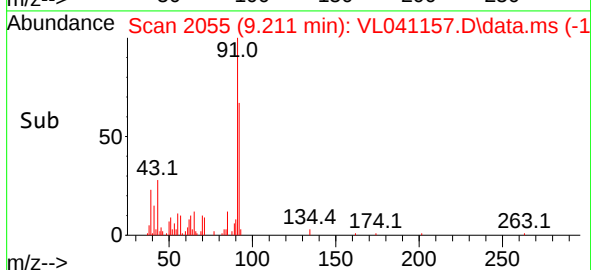
Reviewed By :Semsettin Yesilyurt 04/24/2024
Supervised By :Mahesh Dadoda 04/24/2024

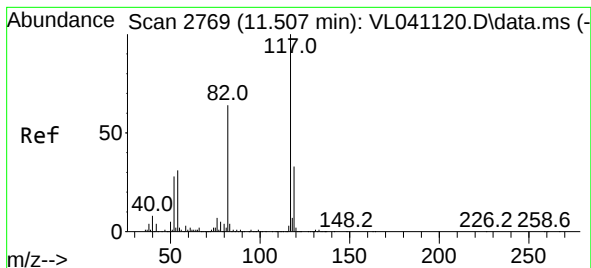


#53
Toluene
Concen: 0.187 ppbv m
RT: 9.211 min Scan# 2055
Delta R.T. -0.000 min
Lab File: VL041157.D
Acq: 23 Apr 2024 12:40



Tgt Ion: 91 Resp: 37345
Ion Ratio Lower Upper
91 100
92 62.0 49.0 73.4





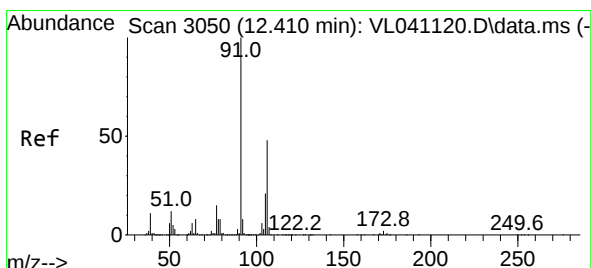
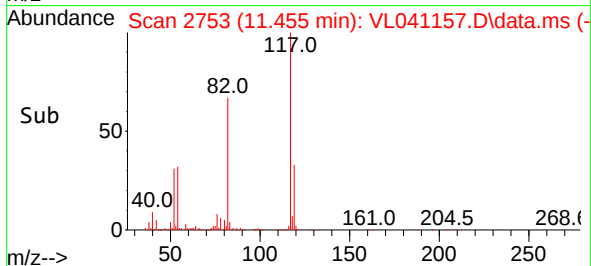
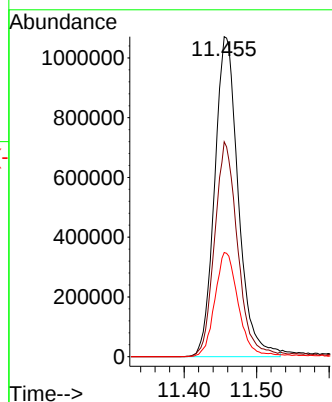
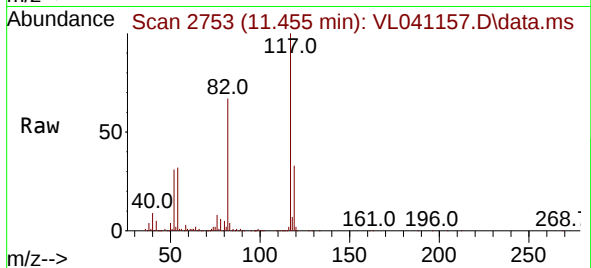
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041157.D
Acq: 23 Apr 2024 12:40

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion:117 Resp: 2429600
Ion Ratio Lower Upper
117 100
82 67.8 51.0 76.6
119 33.2 25.2 37.8

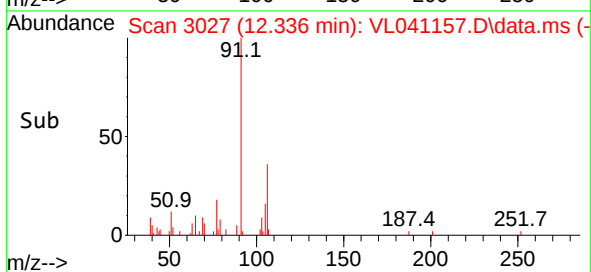
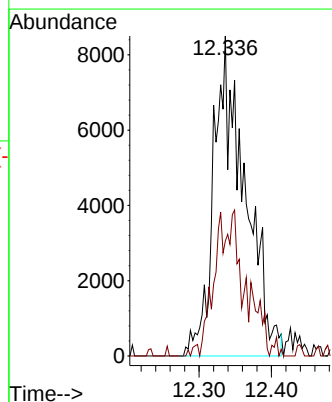
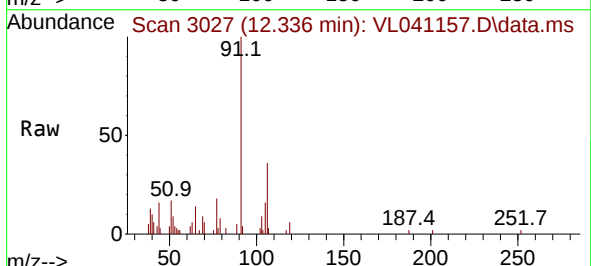
Manual Integrations
APPROVED

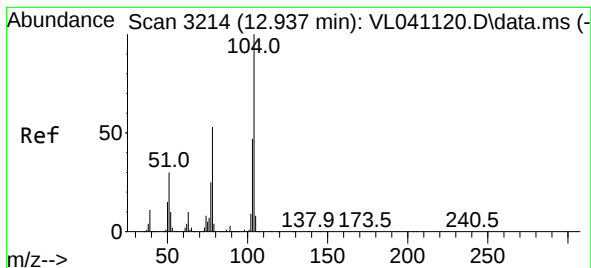
Reviewed By :Semsettin Yesilyurt 04/24/2024
Supervised By :Mahesh Dadoda 04/24/2024



#59
m/p-Xylene
Concen: 0.105 ppbv m
RT: 12.336 min Scan# 3027
Delta R.T. -0.026 min
Lab File: VL041157.D
Acq: 23 Apr 2024 12:40

Tgt Ion: 91 Resp: 25337
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#





#61

Styrene

Concen: 0.310 ppbv m

RT: 12.893 min Scan# 31310

Delta R.T. 0.006 min

Lab File: VL041157.D

Acq: 23 Apr 2024 12:40

Instrument :

MSVOA_L

ClientSampleId :

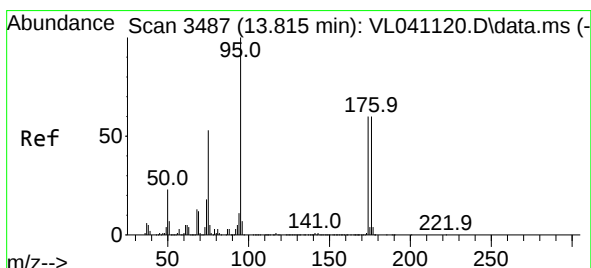
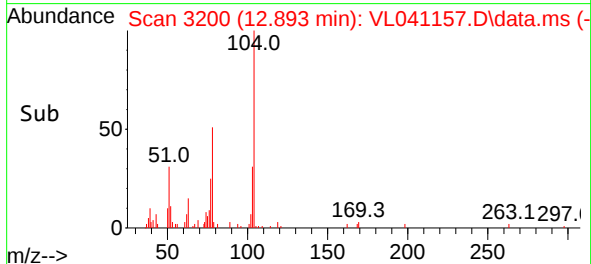
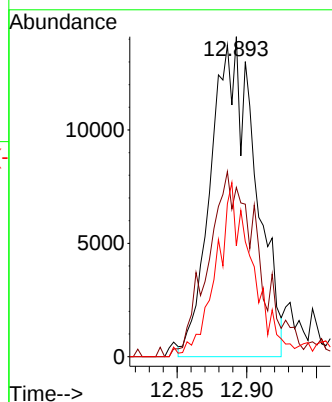
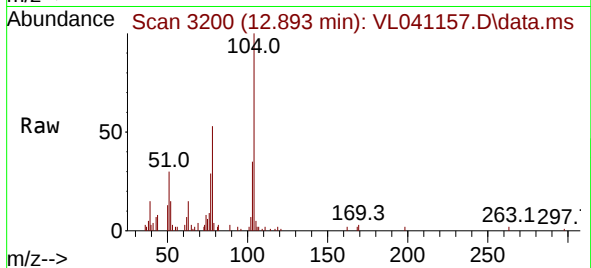
IA1DUP

Tgt Ion:	104	Resp:	31310
Ion	Ratio	Lower	Upper
104	100		
78	68.1	43.3	64.9
103	0.0	38.2	57.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/24/2024
Supervised By :Mahesh Dadoda 04/24/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 9.556 ppbv

RT: 13.770 min Scan# 3473

Delta R.T. 0.006 min

Lab File: VL041157.D

Acq: 23 Apr 2024 12:40

Tgt Ion:	95	Resp:	1867016
Ion	Ratio	Lower	Upper
95	100		
174	62.6	49.3	73.9
175	4.7	3.6	5.4

