

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082124\
 Data File : VL041571.D
 Acq On : 21 Aug 2024 17:39
 Operator : SY/MD
 Sample : P3709-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/23/2024
 Supervised By :Mahesh Dadoda 08/23/2024

Quant Time: Aug 22 01:14:08 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Thu Aug 22 01:05:17 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	994194	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2576424	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	2331875	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1788116	9.964	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.748	85	43898	0.257	ppbv	93
3) Chlorodifluoromethane	2.684	51	63370m	0.535	ppbv	
4) Chloromethane	2.835	50	32139	0.511	ppbv	92
9) Propene	2.723	41	116050m	2.134	ppbv	
11) Trichlorofluoromethane	3.575	101	34012	0.224	ppbv	95
13) Ethanol	3.253	45	3911689	804.973	ppbv	96
15) Acetone	3.481	43	390839	3.460	ppbv	98
20) Methylene Chloride	3.944	84	1036338	24.602	ppbv	96
26) Hexane	5.218	57	1192445	12.809	ppbv #	38
29) Chloroform	5.279	83	238081	1.568	ppbv	93
34) 2-Butanone	4.806	43	19799m	0.159	ppbv	
35) Carbon Tetrachloride	6.497	117	9064m	0.064	ppbv	
36) Benzene	6.372	78	26180	0.139	ppbv	98
42) Bromodichloromethane	7.240	83	17102m	0.112	ppbv	
53) Toluene	9.211	91	30219m	0.144	ppbv	
76) 1,4-Dichlorobenzene	16.468	146	73269	0.465	ppbv	96

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

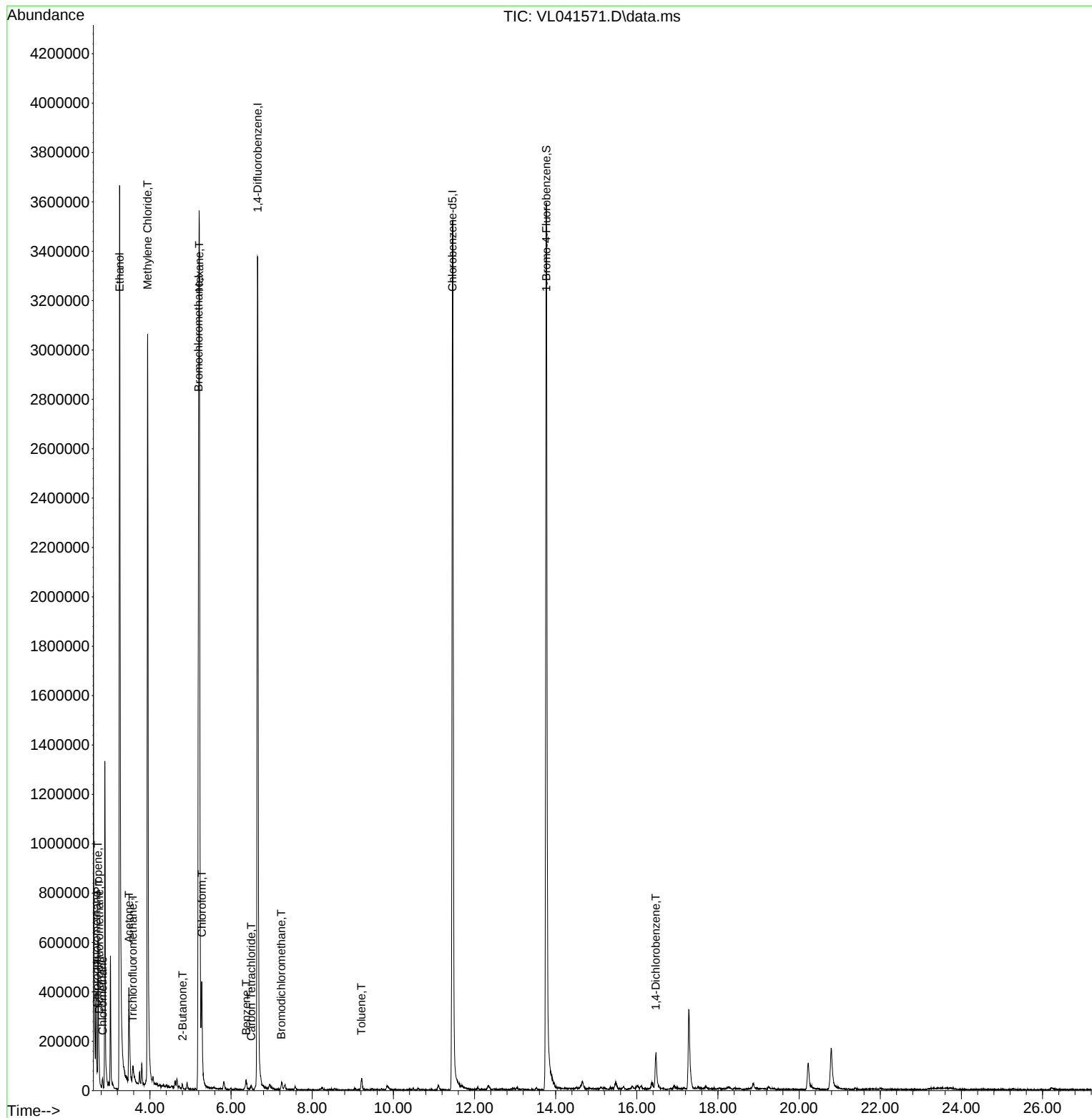
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082124\
Data File : VL041571.D
Acq On : 21 Aug 2024 17:39
Operator : SY/MD
Sample : P3709-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

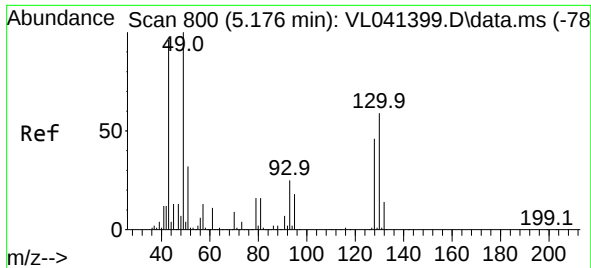
Instrument :
MSVOA_L
ClientSampleId :
IA2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024

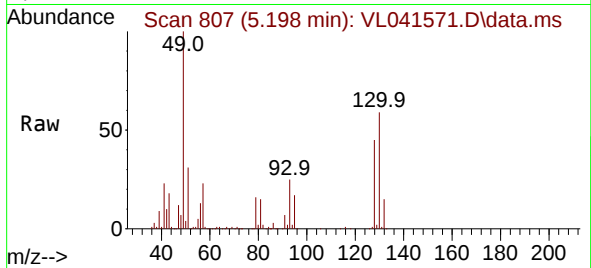
Quant Time: Aug 22 01:14:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Aug 22 01:05:17 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39

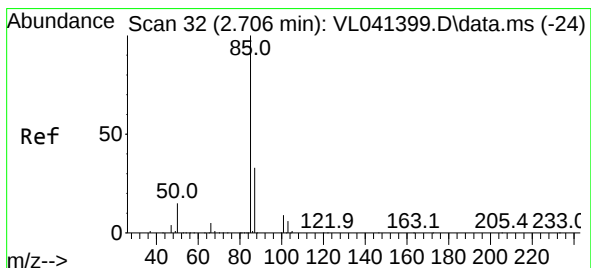
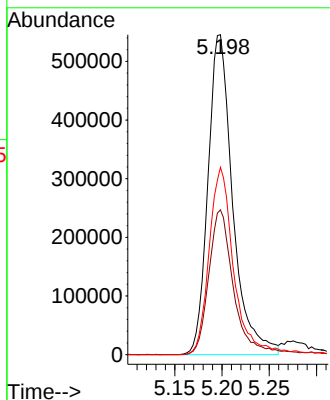
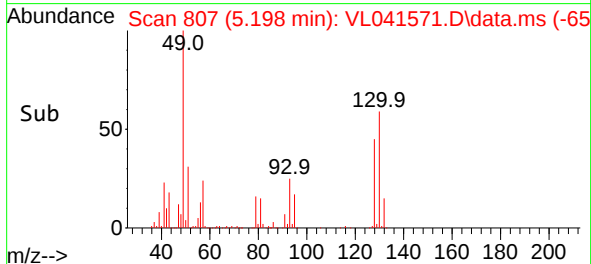
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 49 Resp: 994194
Ion Ratio Lower Upper
49 100
128 46.8 23.8 71.4
130 59.5 30.8 92.4

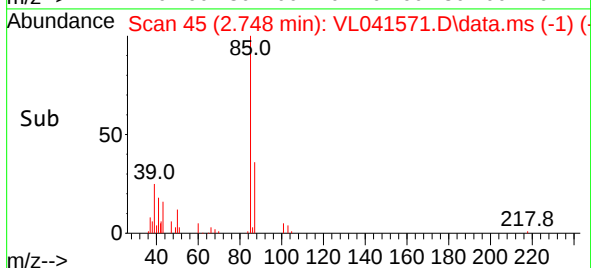
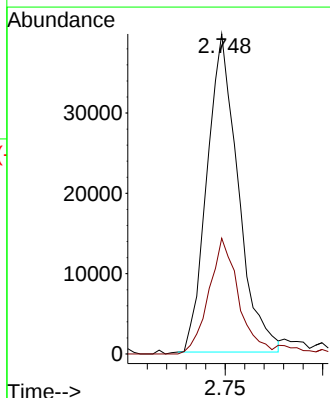
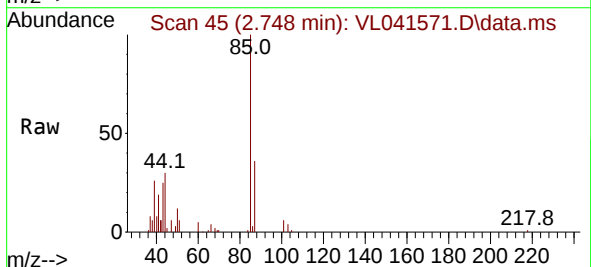
Manual Integrations
APPROVED

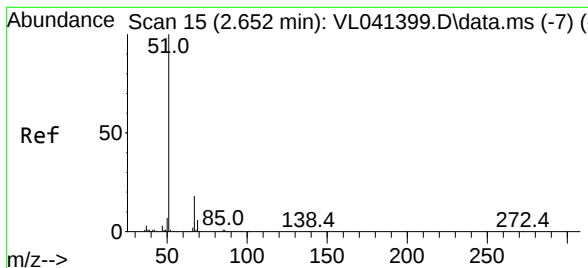
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#2
Dichlorodifluoromethane
Concen: 0.257 ppbv
RT: 2.748 min Scan# 45
Delta R.T. 0.007 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39

Tgt Ion: 85 Resp: 43898
Ion Ratio Lower Upper
85 100
87 36.4 26.0 39.0





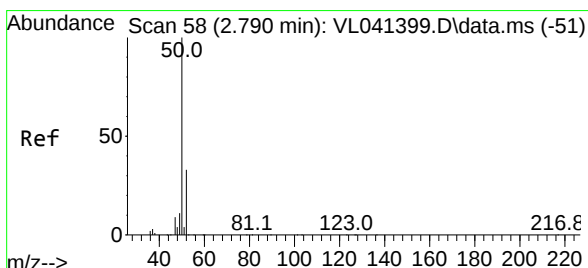
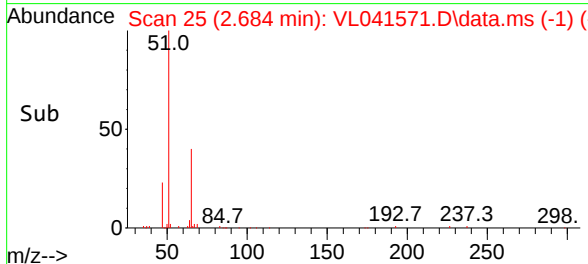
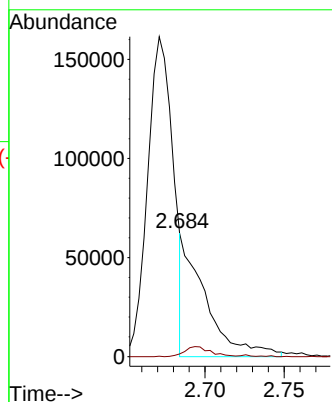
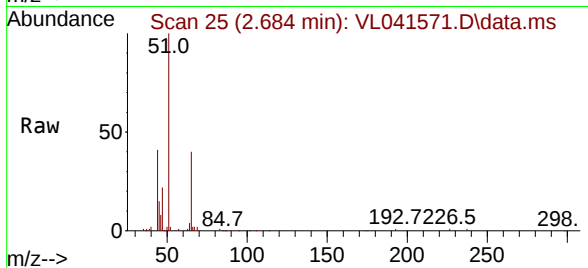
#3
Chlorodifluoromethane
Concen: 0.535 ppbv m
RT: 2.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 51 Resp: 63370
Ion Ratio Lower Upper
51 100
67 10.3 14.5 21.75

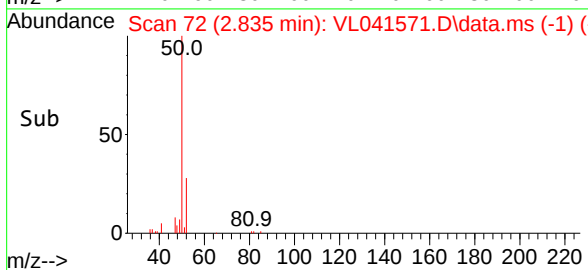
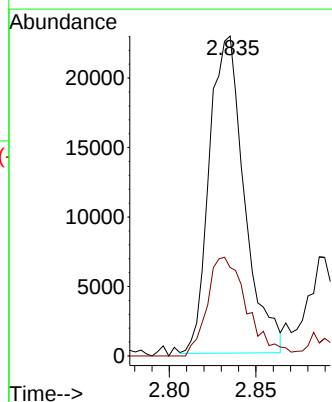
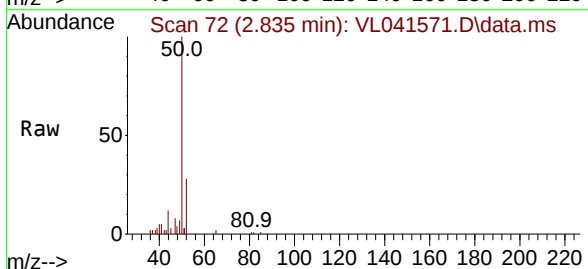
Manual Integrations
APPROVED

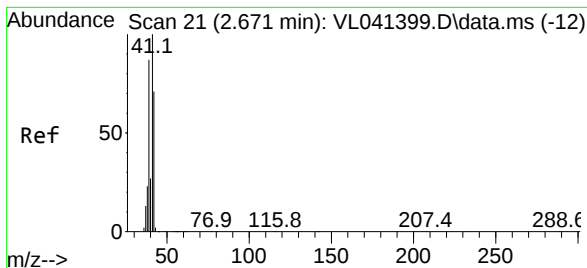
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#4
Chloromethane
Concen: 0.511 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.010 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39

Tgt Ion: 50 Resp: 32139
Ion Ratio Lower Upper
50 100
52 27.9 26.1 39.1





#9

Propene

Concen: 2.134 ppbv

RT: 2.723 min Scan# 31

Delta R.T. 0.016 min

Lab File: VL041571.D

Acq: 21 Aug 2024 17:39

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tgt Ion: 41 Resp: 116050

Ion Ratio Lower Upper

41 100

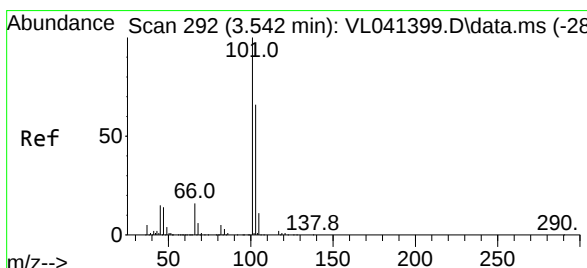
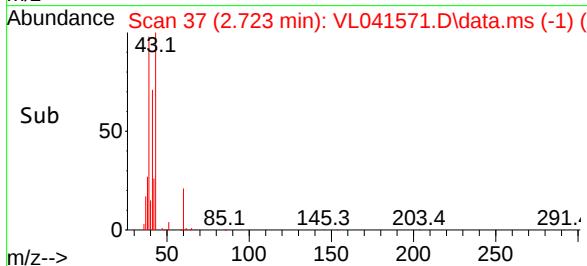
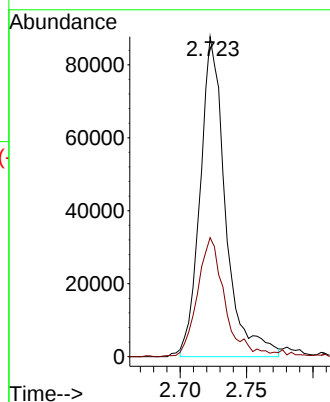
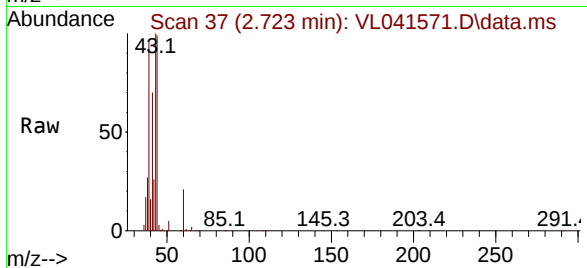
42 203.3 55.9 83.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/23/2024

Supervised By :Mahesh Dadoda 08/23/2024



#11

Trichlorofluoromethane

Concen: 0.224 ppbv

RT: 3.575 min Scan# 302

Delta R.T. 0.003 min

Lab File: VL041571.D

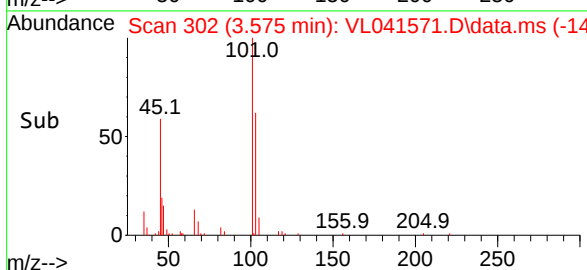
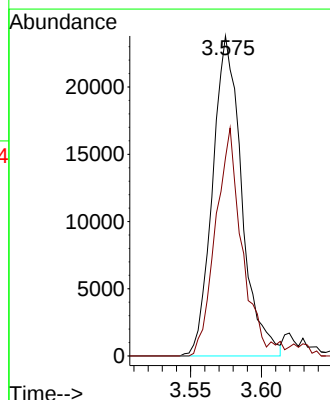
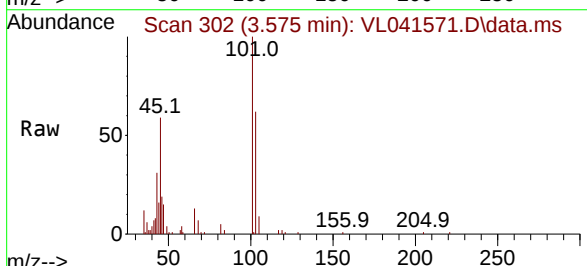
Acq: 21 Aug 2024 17:39

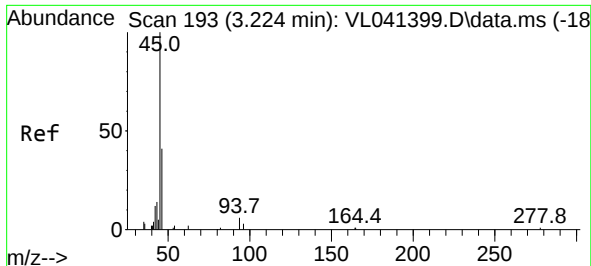
Tgt Ion:101 Resp: 34012

Ion Ratio Lower Upper

101 100

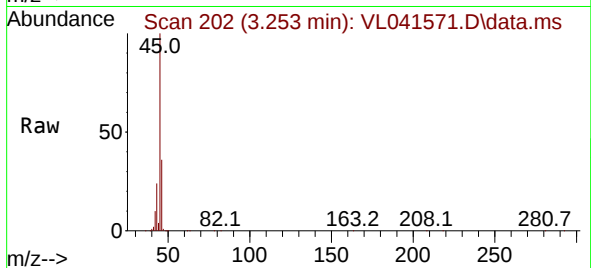
103 61.9 52.6 79.0





#13
Ethanol
Concen: 804.973 ppbv
RT: 3.253 min Scan# 202
Delta R.T. -0.006 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39

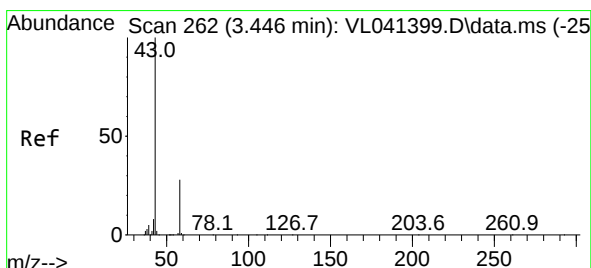
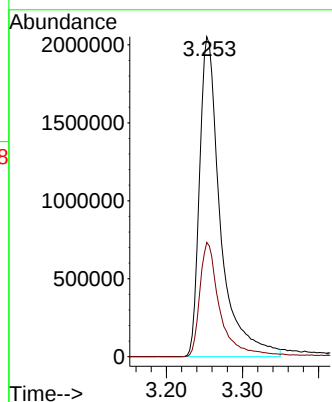
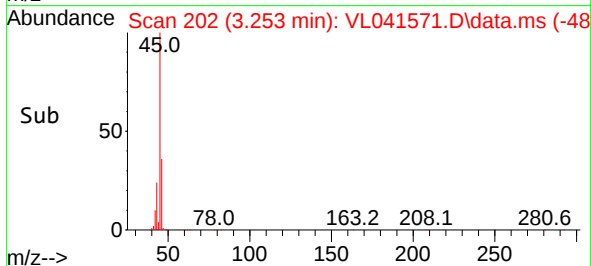
Instrument :
MSVOA_L
ClientSampleId :
IA2



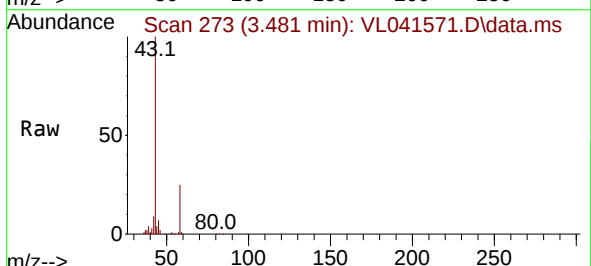
Tgt Ion: 45 Resp: 3911689
Ion Ratio Lower Upper
45 100
46 35.5 13.4 53.4

Manual Integrations
APPROVED

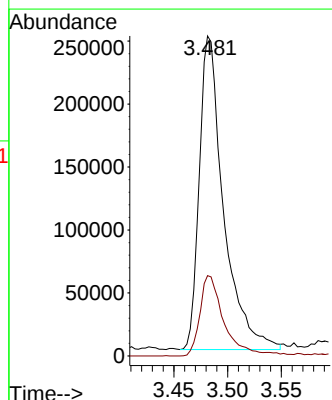
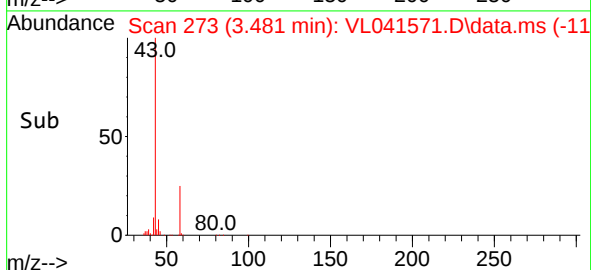
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024

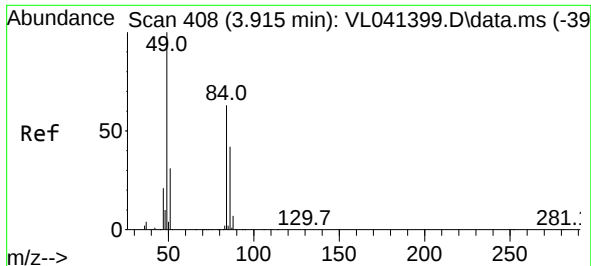


#15
Acetone
Concen: 3.460 ppbv
RT: 3.481 min Scan# 273
Delta R.T. 0.003 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39



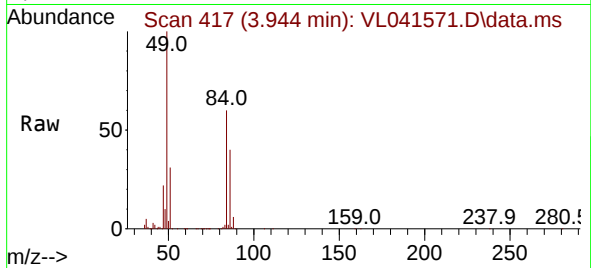
Tgt Ion: 43 Resp: 390839
Ion Ratio Lower Upper
43 100
58 25.5 21.4 32.2





#20
Methylene Chloride
Concen: 24.602 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.003 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39

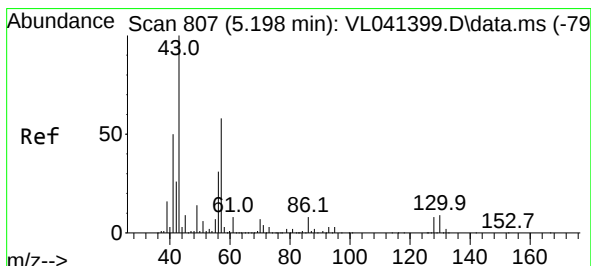
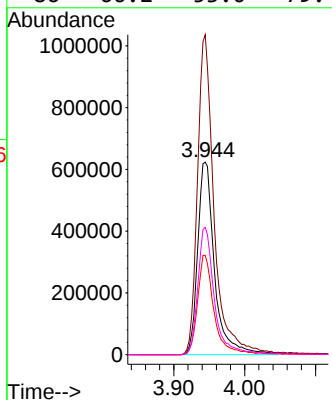
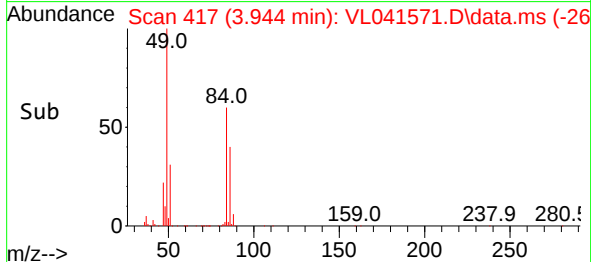
Instrument :
MSVOA_L
ClientSampleId :
IA2



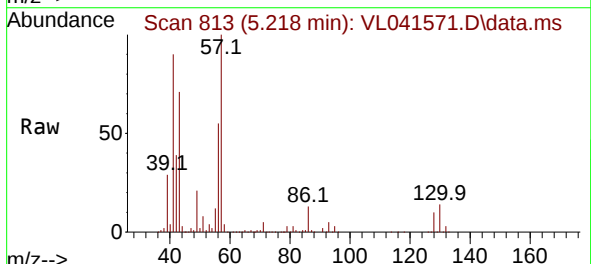
Tgt Ion: 84 Resp: 1036338
Ion Ratio Lower Upper
84 100
49 166.2 126.6 190.0
51 51.6 38.6 58.0
86 66.2 53.0 79.4

Manual Integrations
APPROVED

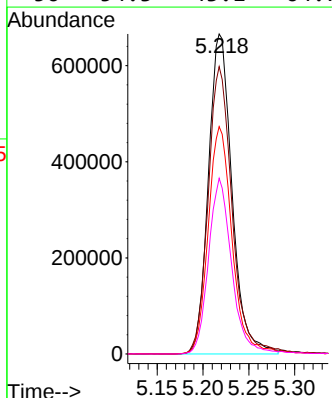
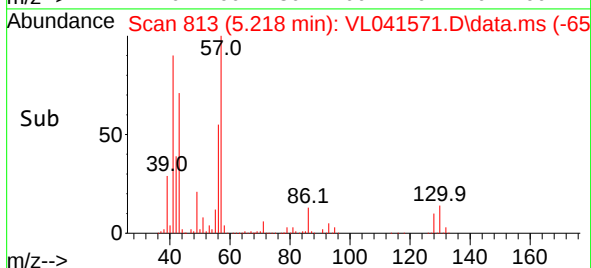
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024

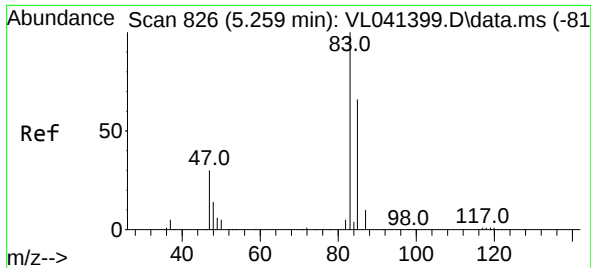


#26
Hexane
Concen: 12.809 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.000 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39



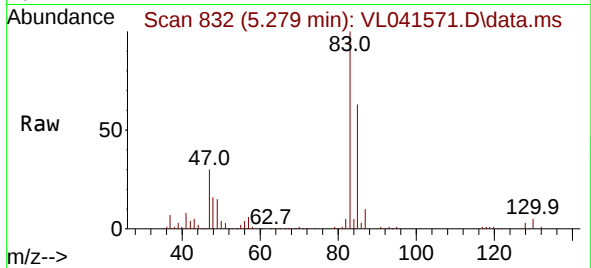
Tgt Ion: 57 Resp: 1192445
Ion Ratio Lower Upper
57 100
41 92.4 74.0 111.0
43 72.4 193.6 290.4#
56 54.3 43.1 64.7





#29
Chloroform
Concen: 1.568 ppbv
RT: 5.279 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39

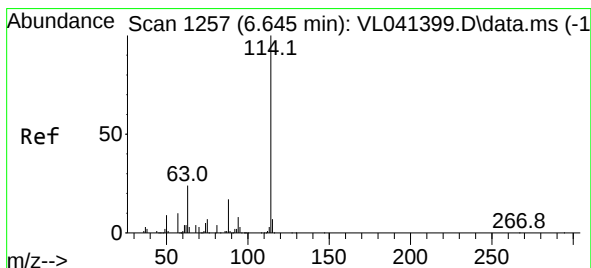
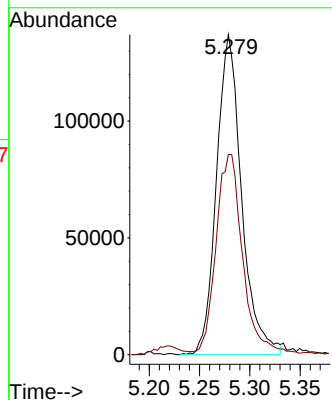
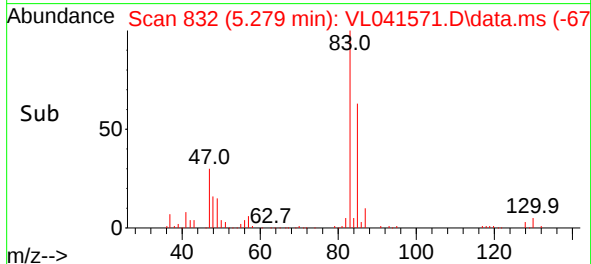
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 83 Resp: 23808
Ion Ratio Lower Upper
83 100
85 61.1 53.1 79.7

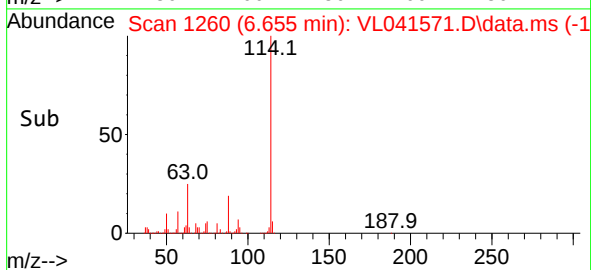
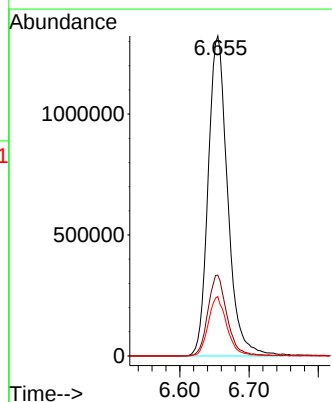
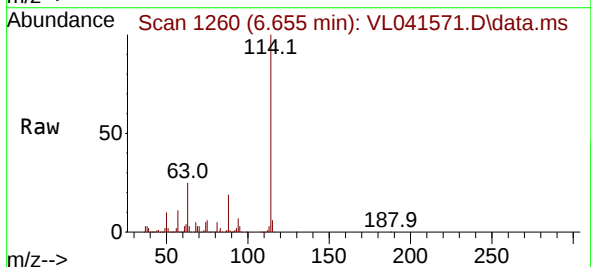
Manual Integrations
APPROVED

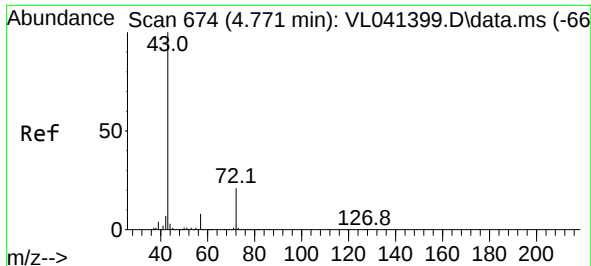
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39

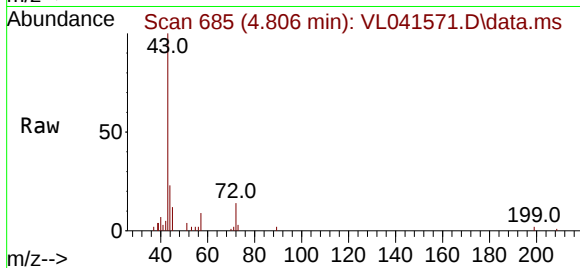
Tgt Ion:114 Resp: 2576424
Ion Ratio Lower Upper
114 100
63 25.1 20.3 30.5
88 17.9 14.3 21.5





#34
2-Butanone
Concen: 0.159 ppbv m
RT: 4.806 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39

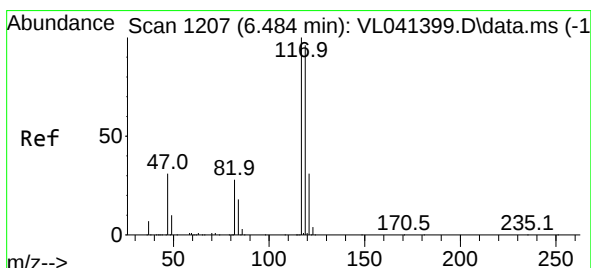
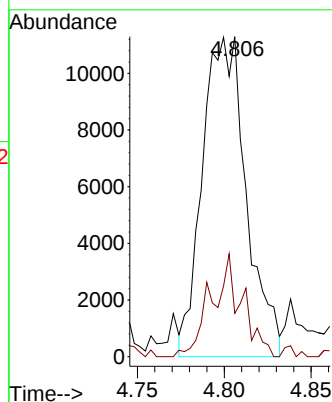
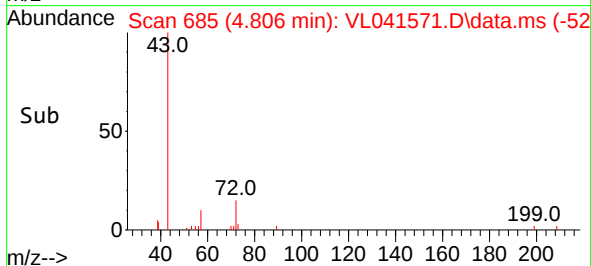
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 43 Resp: 1979
Ion Ratio Lower Upper
43 100
72 23.3 17.3 25.9

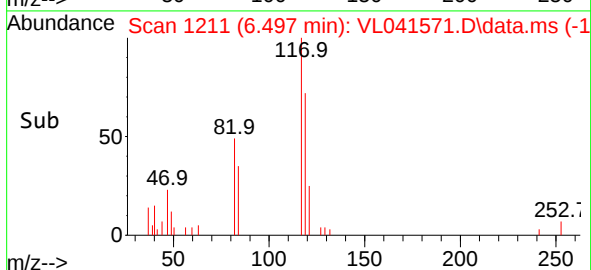
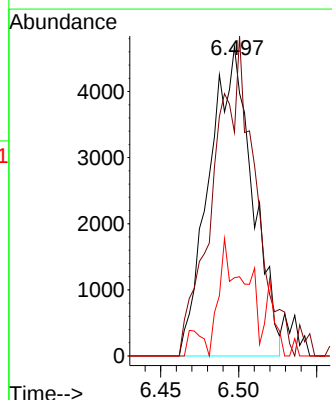
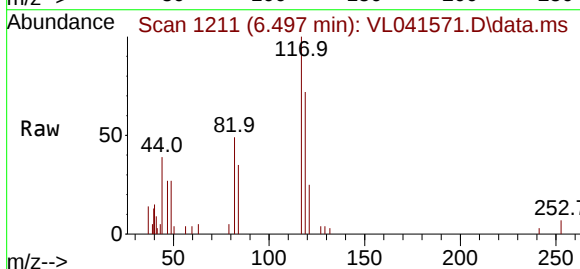
Manual Integrations
APPROVED

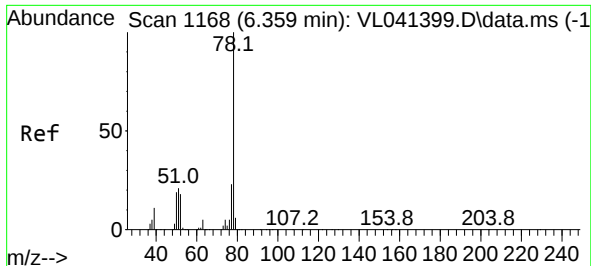
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 6.497 min Scan# 1211
Delta R.T. 0.000 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39

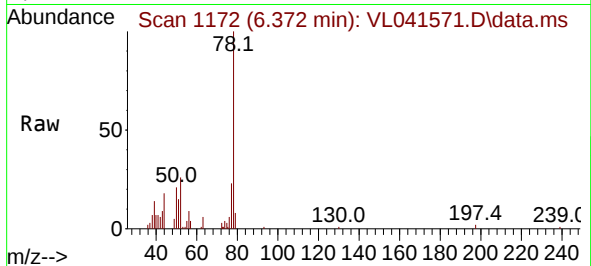
Tgt Ion:117 Resp: 9064
Ion Ratio Lower Upper
117 100
119 72.4 76.6 115.0#
121 25.3 25.1 37.7





#36
Benzene
Concen: 0.139 ppbv
RT: 6.372 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39

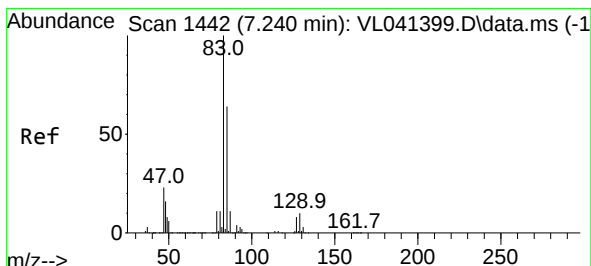
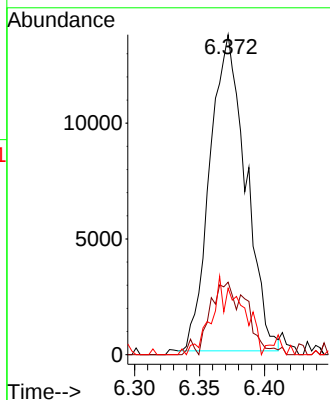
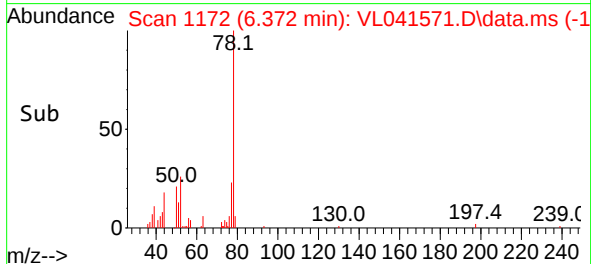
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 78 Resp: 26180
Ion Ratio Lower Upper
78 100
77 22.9 18.1 27.1
50 21.0 15.5 23.3

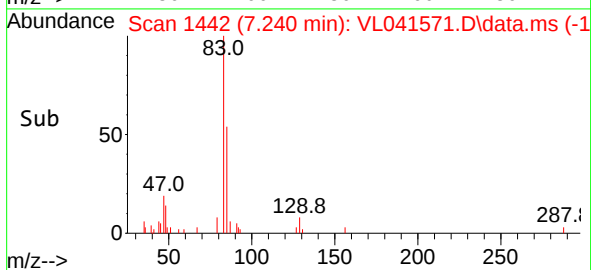
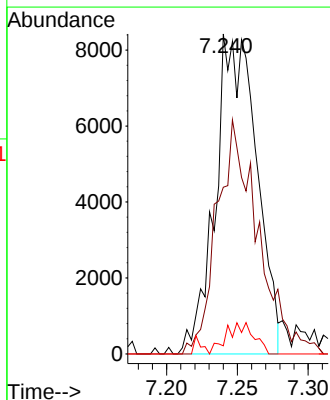
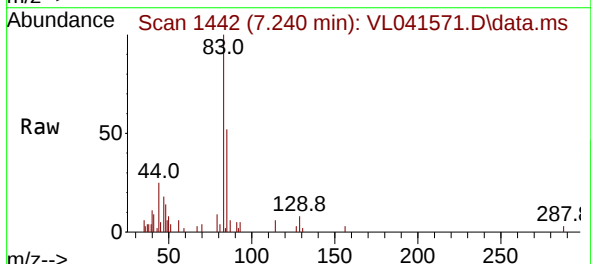
Manual Integrations
APPROVED

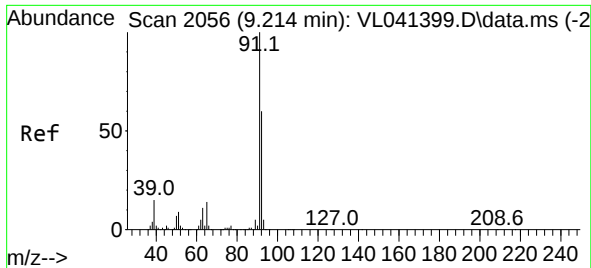
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#42
Bromodichloromethane
Concen: 0.112 ppbv m
RT: 7.240 min Scan# 1442
Delta R.T. -0.013 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39

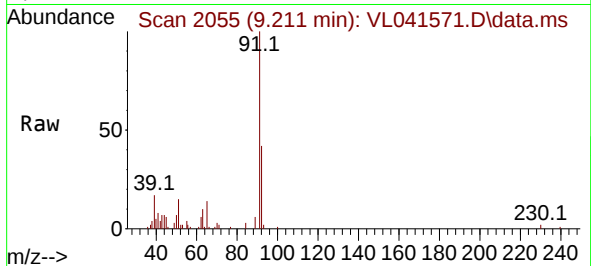
Tgt Ion: 83 Resp: 17102
Ion Ratio Lower Upper
83 100
85 52.1 51.4 77.0
127 2.5 6.7 10.1#





#53
Toluene
Concen: 0.144 ppbv m
RT: 9.211 min Scan# 2055
Delta R.T. -0.010 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39

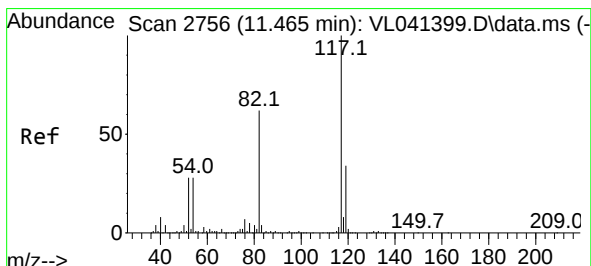
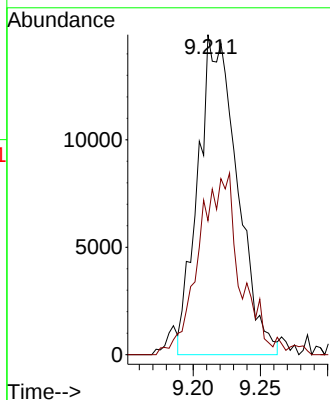
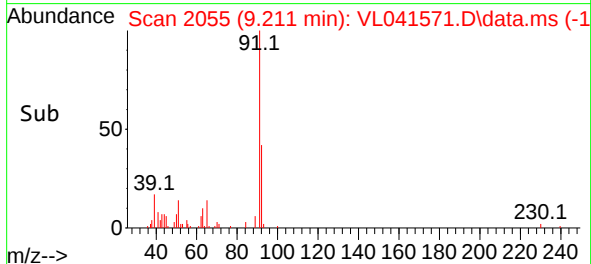
Instrument :
MSVOA_L
ClientSampleId :
IA2



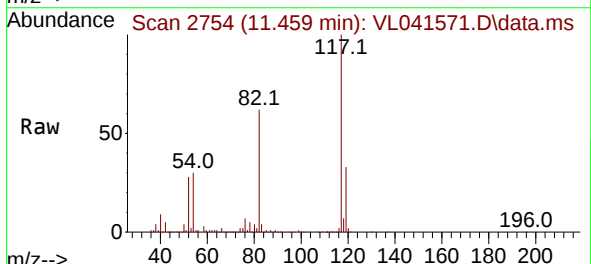
Tgt Ion: 91 Resp: 30219
Ion Ratio Lower Upper
91 100
92 61.1 48.7 73.1

Manual Integrations
APPROVED

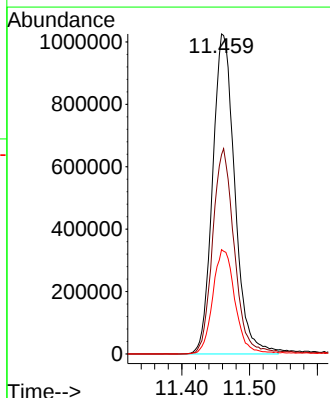
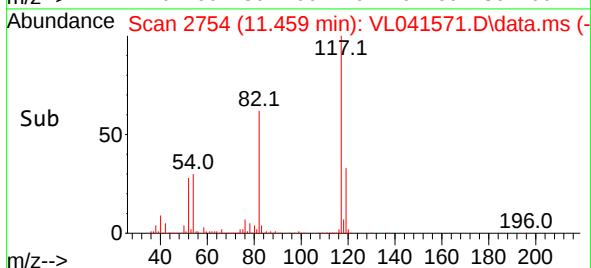
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024

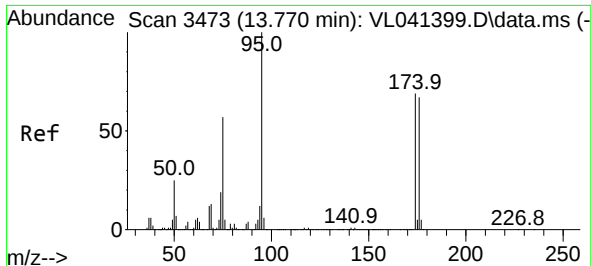


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.459 min Scan# 2754
Delta R.T. -0.006 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39



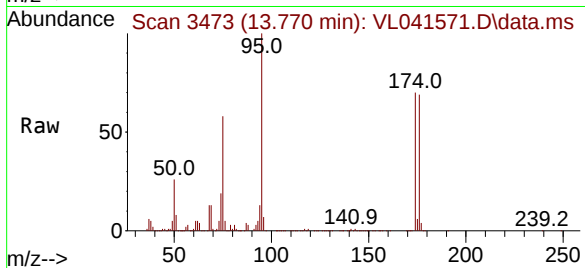
Tgt Ion:117 Resp: 2331875
Ion Ratio Lower Upper
117 100
82 63.6 51.0 76.6
119 32.8 45.2 67.8#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.964 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. -0.003 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39

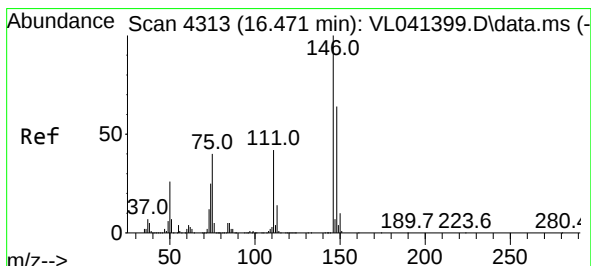
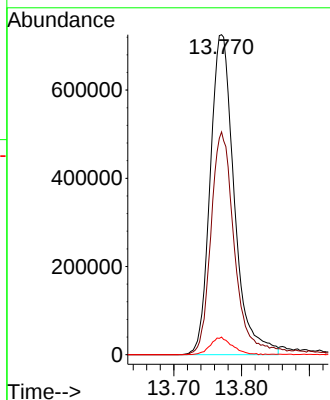
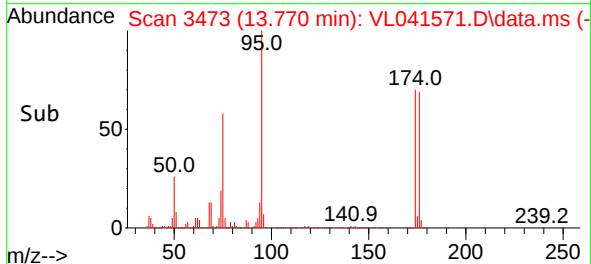
Instrument :
MSVOA_L
ClientSampleId :
IA2



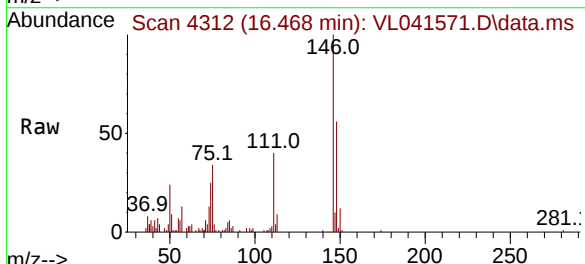
Tgt Ion: 95 Resp: 1788110
Ion Ratio Lower Upper
95 100
174 70.5 56.3 84.5
175 5.0 4.0 6.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#76
1,4-Dichlorobenzene
Concen: 0.465 ppbv
RT: 16.468 min Scan# 4312
Delta R.T. -0.003 min
Lab File: VL041571.D
Acq: 21 Aug 2024 17:39



Tgt Ion:146 Resp: 73269
Ion Ratio Lower Upper
146 100
111 47.2 22.4 67.0
148 69.1 33.1 99.5

