

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041707.D
 Acq On : 20 Nov 2024 19:54
 Operator : SY/MD
 Sample : P4911-01 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
 Supervised By :Mahesh Dadoda 11/21/2024

Quant Time: Nov 21 05:15:16 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 08 01:01:00 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1143777	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.674	114	3164695	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.487	117	2967922	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	2294765	10.494	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 104.900%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.751	85	68706	0.332	ppbv	99
3) Chlorodifluoromethane	2.696	51	22194m	0.149	ppbv	
5) Vinyl Chloride	2.938	62	8732	0.123	ppbv	93
9) Propene	2.722	41	728883m	11.225	ppbv	
10) Heptane	7.597	43	266401	1.831	ppbv	100
13) Ethanol	3.262	45	118946	29.915	ppbv	93
15) Acetone	3.487	43	950014m	6.749	ppbv	
19) Isopropyl Alcohol	3.603	45	60144	0.894	ppbv #	91
20) Methylene Chloride	3.950	84	45641	0.881	ppbv	90
26) Hexane	5.233	57	832649	7.438	ppbv #	33
27) Carbon Disulfide	4.150	76	42645m	0.339	ppbv	
34) 2-Butanone	4.806	43	671645	4.262	ppbv	99
36) Benzene	6.388	78	113288	0.483	ppbv	96
38) Trichloroethene	7.314	130	15030m	0.167	ppbv	
51) 2-Hexanone	9.561	43	298641m	1.695	ppbv	
52) Tetrachloroethene	10.635	164	21336	0.267	ppbv	95
53) Toluene	9.240	91	318074	1.290	ppbv	100
58) Ethyl Benzene	12.104	91	111660m	0.343	ppbv	
59) m/p-Xylene	12.365	91	127437m	0.437	ppbv	
60) o-Xylene	13.072	91	70203m	0.253	ppbv	
62) Isopropylbenzene	14.047	105	2648338	6.172	ppbv	99
65) tert-Butylbenzene	16.104	119	75862	0.197	ppbv	91
74) 1,2,4-Trimethylbenzene	16.124	105	97857m	0.297	ppbv	

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

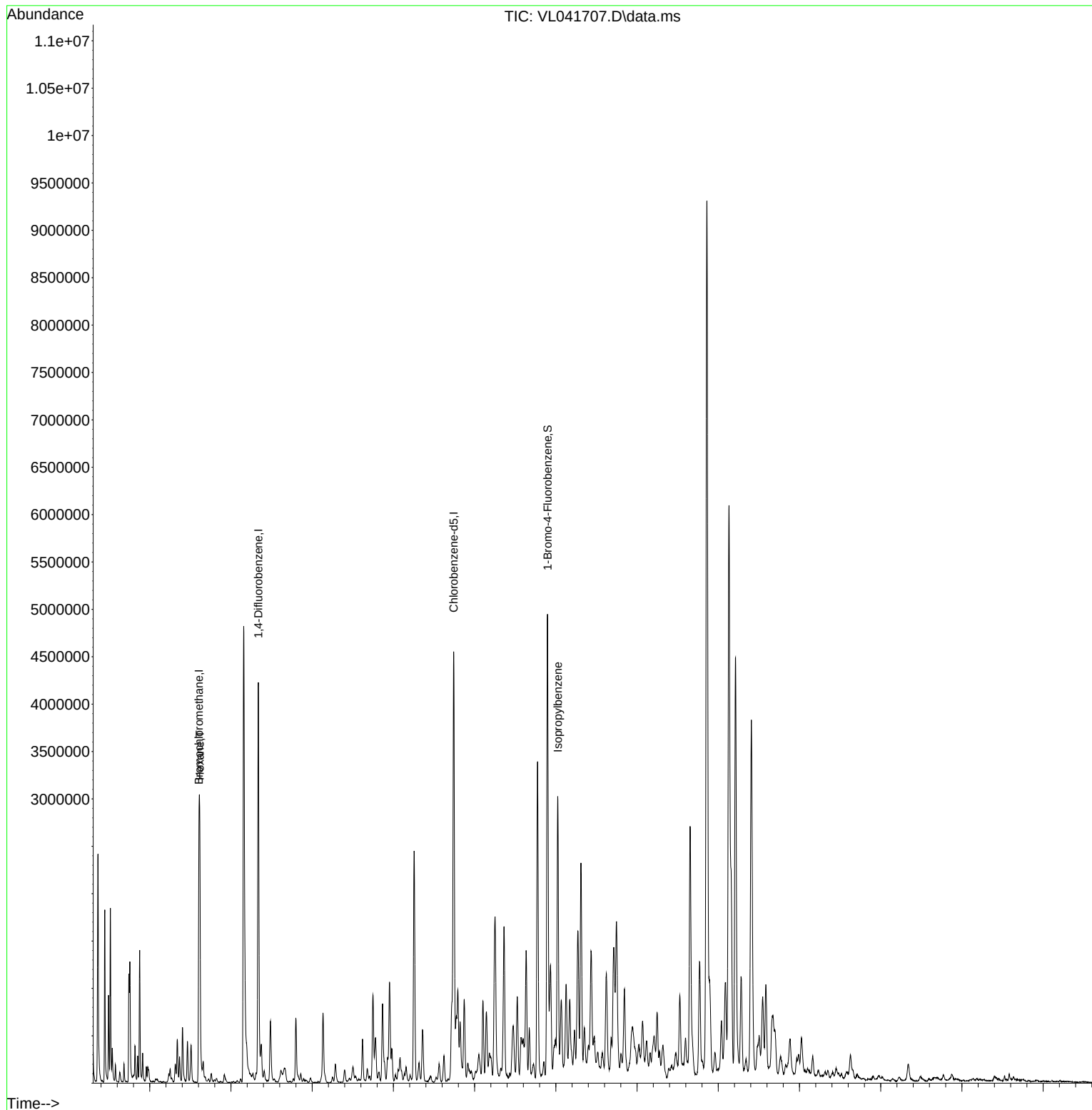
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
Data File : VL041707.D
Acq On : 20 Nov 2024 19:54
Operator : SY/MD
Sample : P4911-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

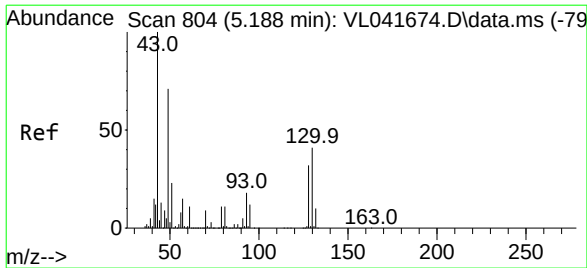
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Nov 21 05:15:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Nov 08 01:01:00 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 11/21/2024
Supervised By : Mahesh Dadoda 11/21/2024





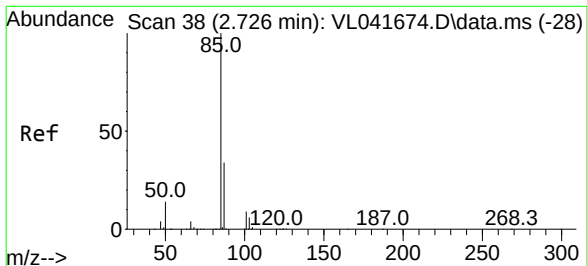
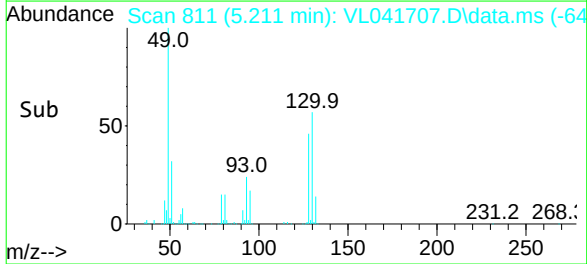
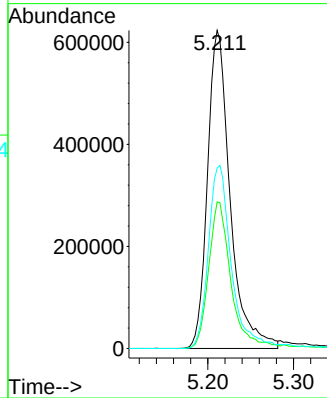
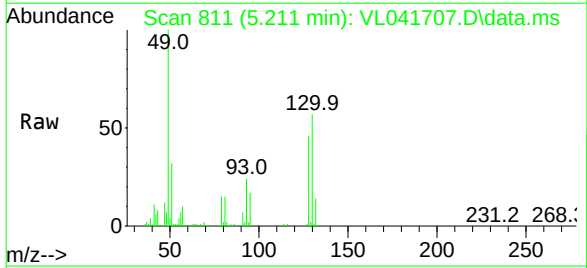
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.023 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 1143777
Ion Ratio Lower Upper
49 100
128 47.0 23.8 71.2
130 59.9 30.1 90.5

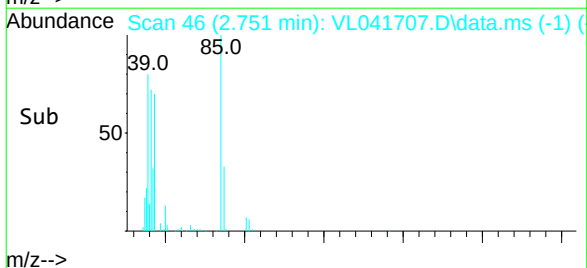
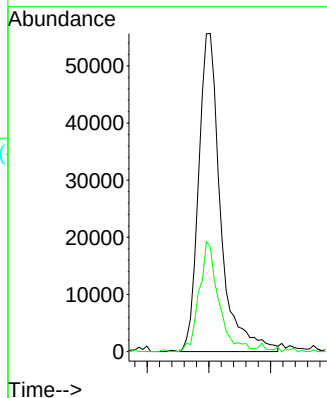
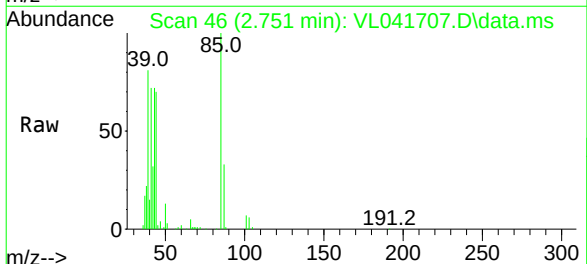
Manual Integrations
APPROVED

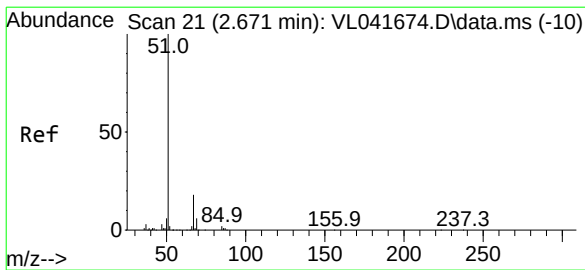
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#2
Dichlorodifluoromethane
Concen: 0.332 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.026 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

Tgt Ion: 85 Resp: 68706
Ion Ratio Lower Upper
85 100
87 32.9 26.8 40.2





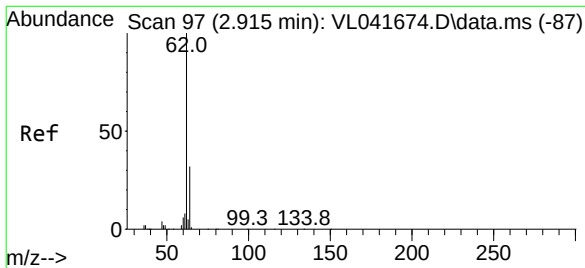
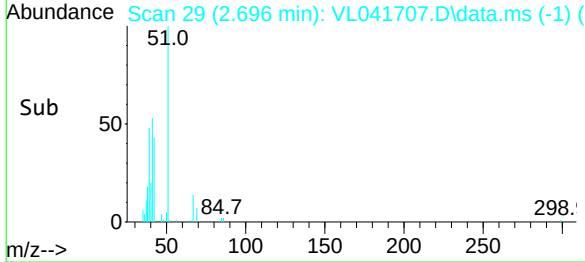
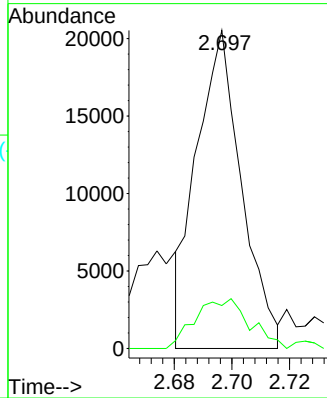
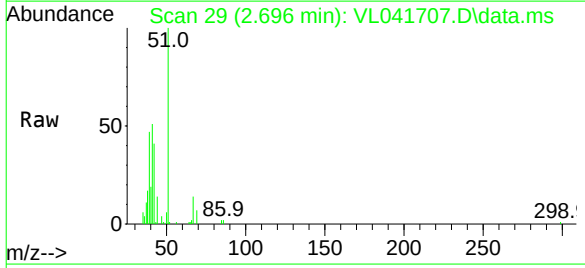
#3
Chlorodifluoromethane
Concen: 0.149 ppbv m
RT: 2.696 min Scan# 29
Delta R.T. 0.026 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 51 Resp: 22194
Ion Ratio Lower Upper
51 100
67 20.2 13.9 20.9

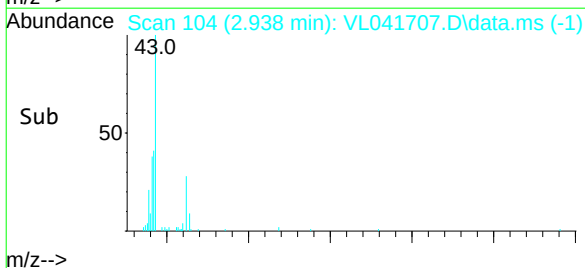
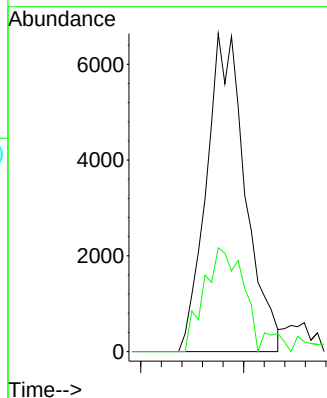
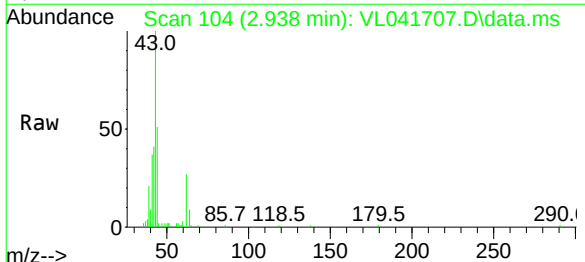
Manual Integrations
APPROVED

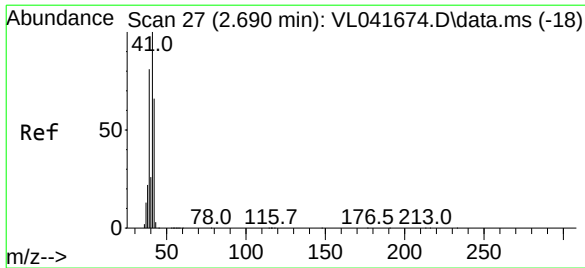
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#5
Vinyl Chloride
Concen: 0.123 ppbv
RT: 2.938 min Scan# 104
Delta R.T. 0.022 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

Tgt Ion: 62 Resp: 8732
Ion Ratio Lower Upper
62 100
64 35.6 25.4 38.2





#9

Propene

Concen: 11.225 ppbv m

RT: 2.722 min Scan# 37

Delta R.T. 0.032 min

Lab File: VL041707.D

Acq: 20 Nov 2024 19:54

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 41 Resp: 728883

Ion Ratio Lower Upper

41 100

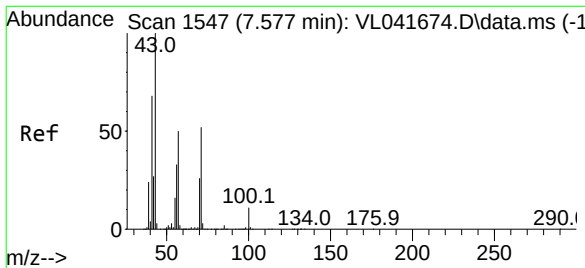
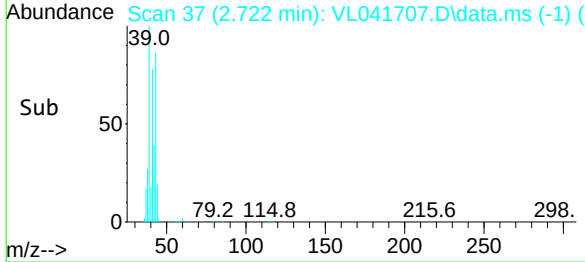
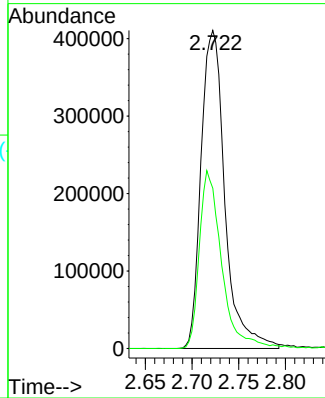
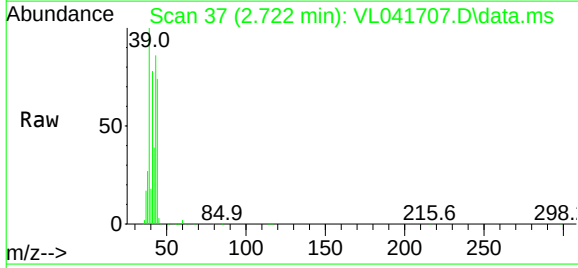
42 43.8 55.0 82.4#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#10

Heptane

Concen: 1.831 ppbv

RT: 7.597 min Scan# 1553

Delta R.T. 0.019 min

Lab File: VL041707.D

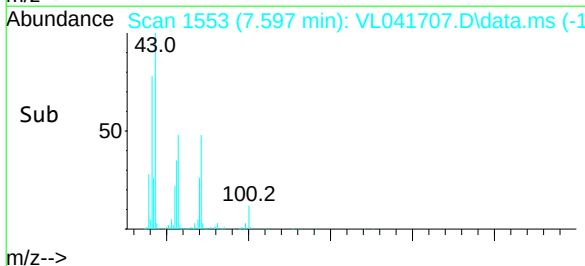
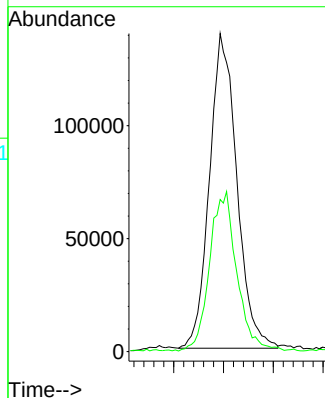
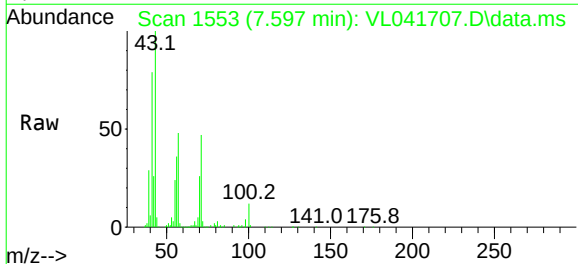
Acq: 20 Nov 2024 19:54

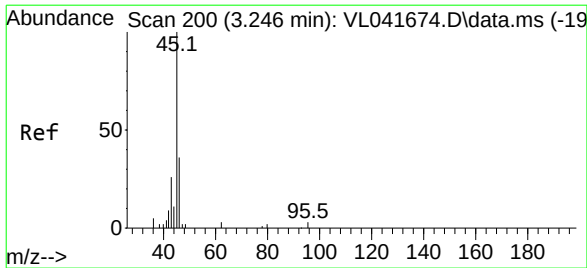
Tgt Ion: 43 Resp: 266401

Ion Ratio Lower Upper

43 100

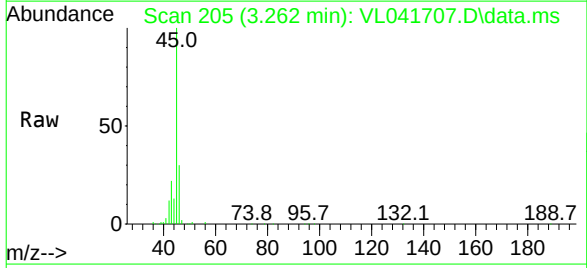
57 50.1 40.0 60.0





#13
Ethanol
Concen: 29.915 ppbv
RT: 3.262 min Scan# 205
Delta R.T. 0.016 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

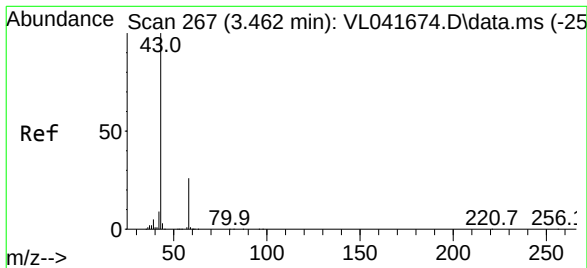
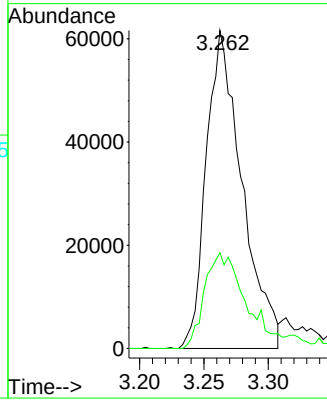
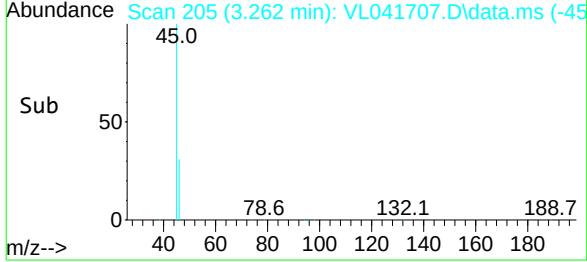
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 45 Resp: 118946
Ion Ratio Lower Upper
45 100
46 38.4 13.8 55.2

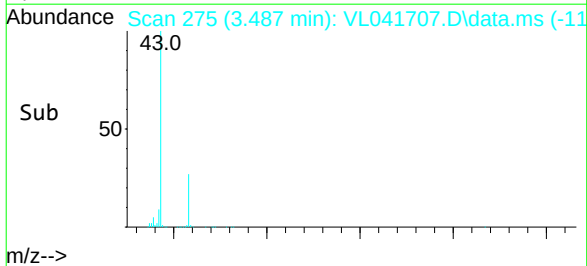
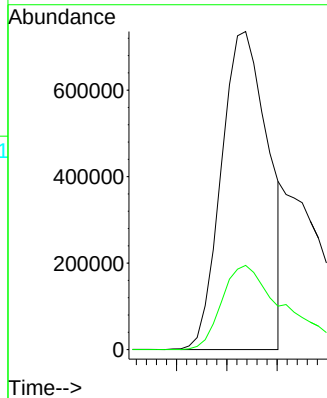
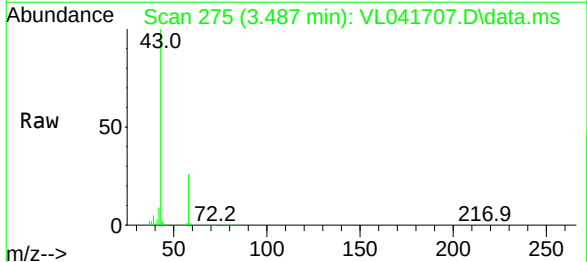
Manual Integrations
APPROVED

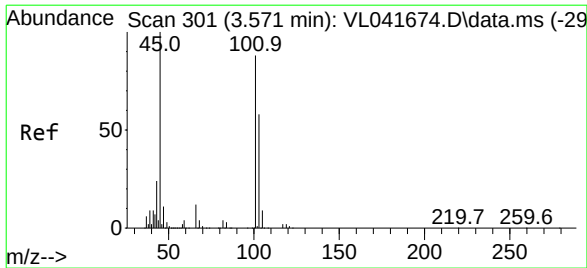
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#15
Acetone
Concen: 6.749 ppbv m
RT: 3.487 min Scan# 275
Delta R.T. 0.026 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

Tgt Ion: 43 Resp: 950014
Ion Ratio Lower Upper
43 100
58 39.4 21.4 32.0#





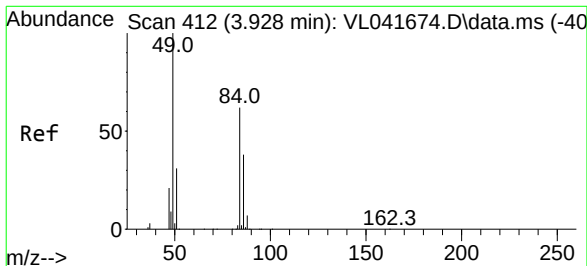
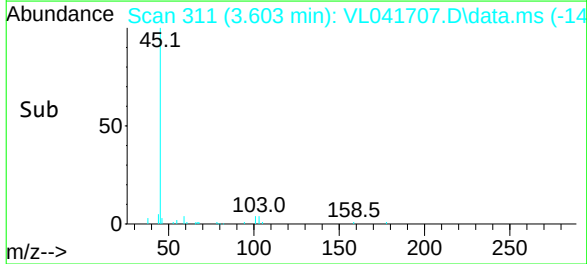
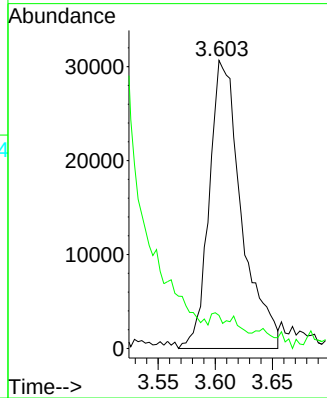
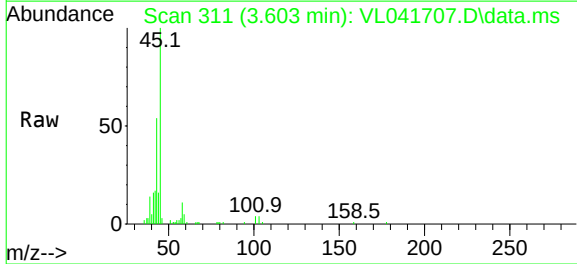
#19
Isopropyl Alcohol
Concen: 0.894 ppbv
RT: 3.603 min Scan# 311
Delta R.T. 0.032 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 60144
Ion Ratio Lower Upper
45 100
58 0.0 2.5 3.7#

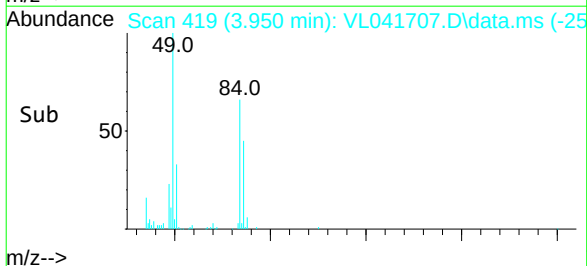
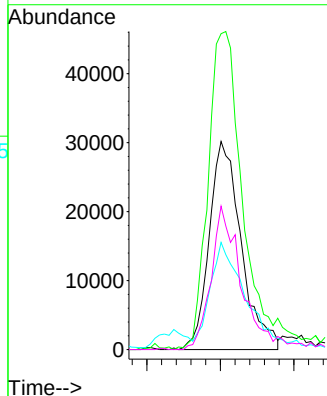
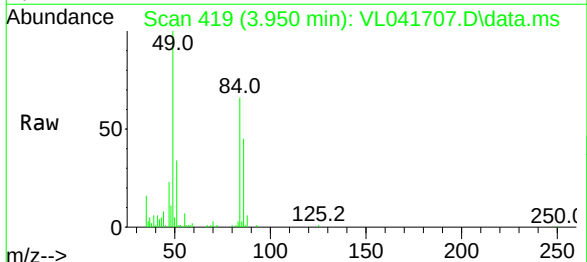
Manual Integrations
APPROVED

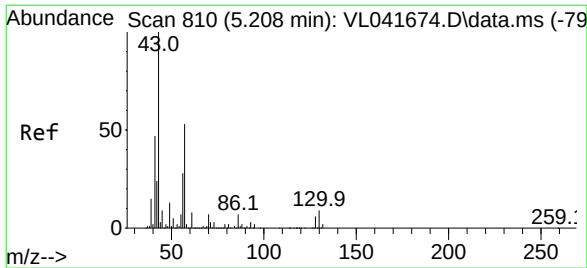
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#20
Methylene Chloride
Concen: 0.881 ppbv
RT: 3.950 min Scan# 419
Delta R.T. 0.022 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

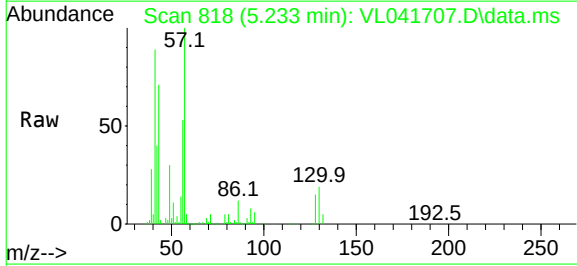
Tgt Ion: 84 Resp: 45641
Ion Ratio Lower Upper
84 100
49 146.7 129.7 194.5
51 46.1 39.8 59.6
86 68.9 49.1 73.7





#26
Hexane
Concen: 7.438 ppbv
RT: 5.233 min Scan# 810
Delta R.T. 0.026 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

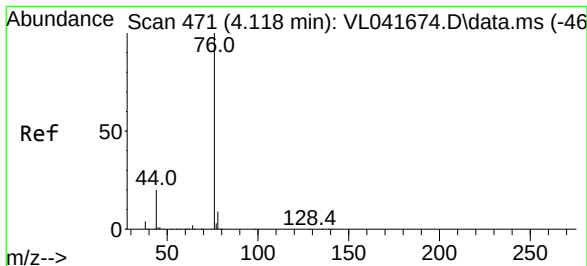
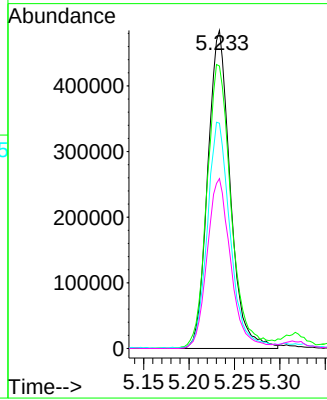
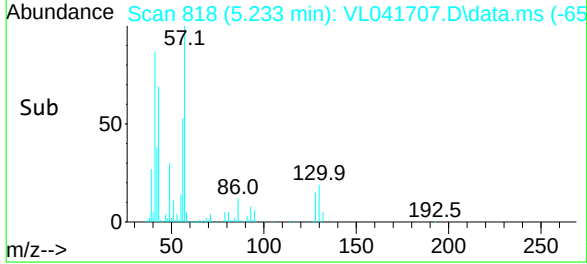
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 57 Resp: 832649
Ion Ratio Lower Upper
57 100
41 96.3 76.1 114.1
43 72.7 207.0 310.6#
56 56.6 43.7 65.5

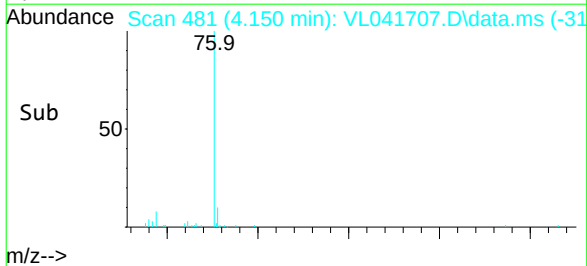
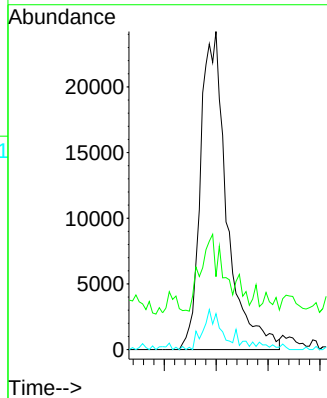
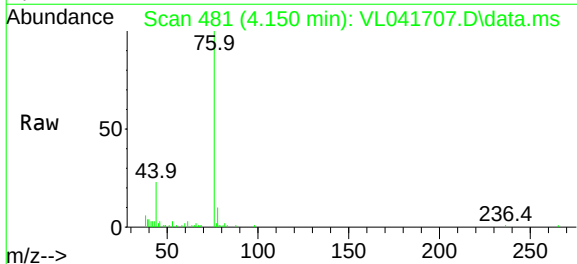
Manual Integrations
APPROVED

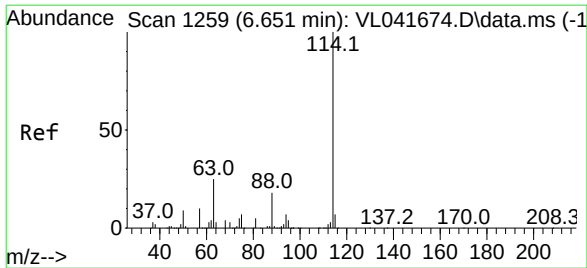
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#27
Carbon Disulfide
Concen: 0.339 ppbv m
RT: 4.150 min Scan# 481
Delta R.T. 0.032 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

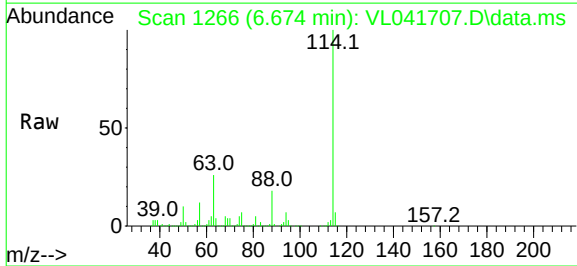
Tgt Ion: 76 Resp: 42645
Ion Ratio Lower Upper
76 100
44 0.0 15.8 23.8#
78 9.9 7.5 11.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 12
Delta R.T. 0.022 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

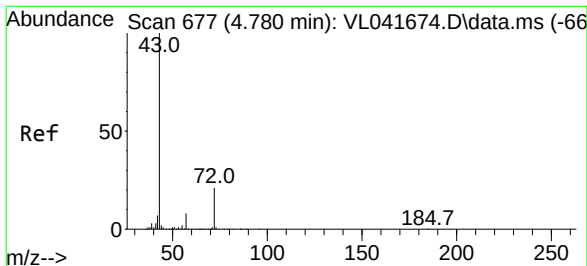
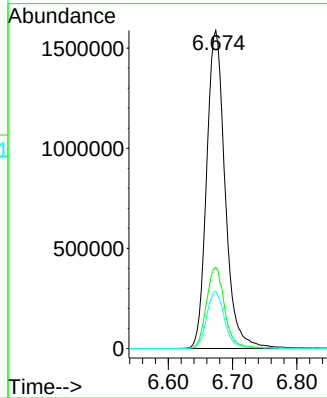
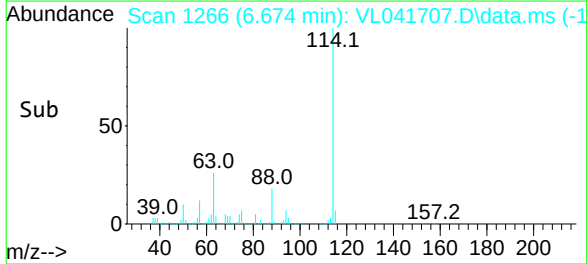
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 114 Resp: 3164695
Ion Ratio Lower Upper
114 100
63 25.4 20.3 30.5
88 17.7 14.2 21.4

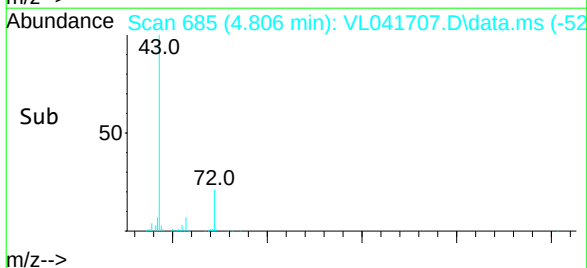
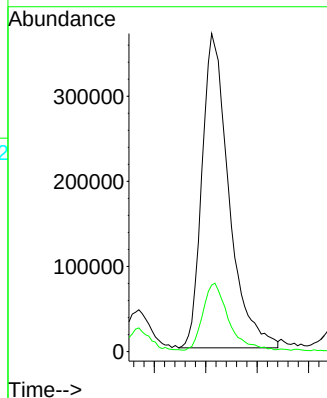
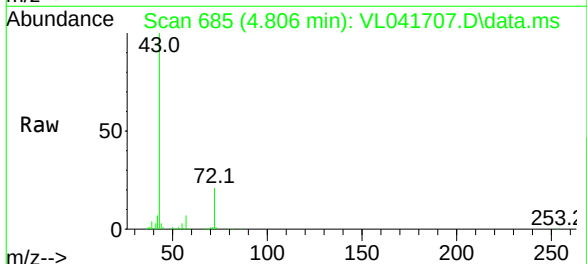
Manual Integrations
APPROVED

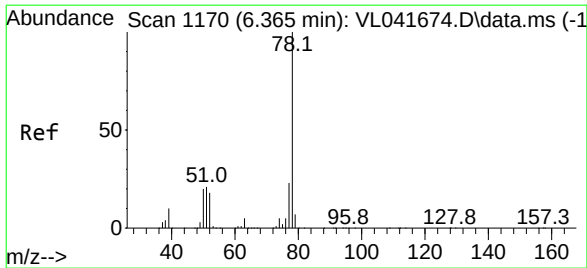
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#34
2-Butanone
Concen: 4.262 ppbv
RT: 4.806 min Scan# 685
Delta R.T. 0.026 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

Tgt Ion: 43 Resp: 671645
Ion Ratio Lower Upper
43 100
72 22.4 17.4 26.0





#36

Benzene

Concen: 0.483 ppbv

RT: 6.388 min Scan# 11

Delta R.T. 0.022 min

Lab File: VL041707.D

Acq: 20 Nov 2024 19:54

Instrument :

MSVOA_L

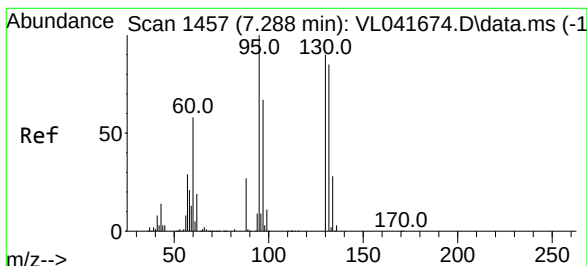
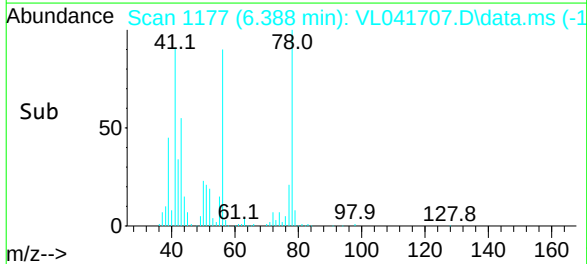
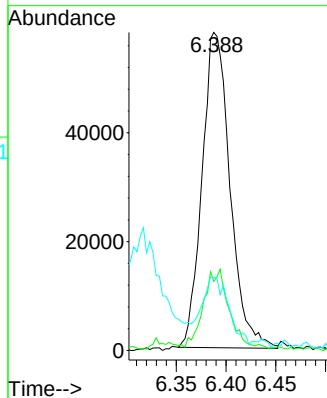
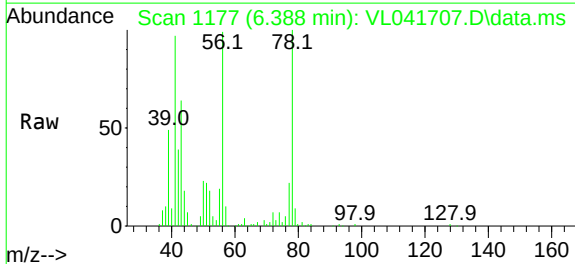
ClientSampleId :

SV1

Tgt Ion:	78	Resp:	113288
Ion	Ratio	Lower	Upper
78	100		
77	20.4	18.5	27.7
50	20.8	15.6	23.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#38

Trichloroethene

Concen: 0.167 ppbv m

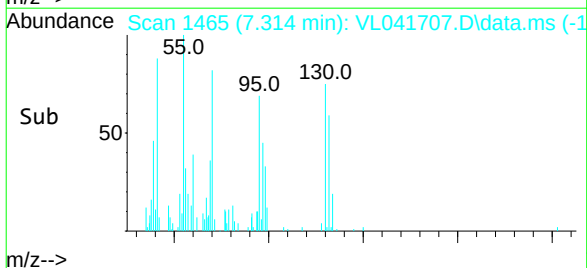
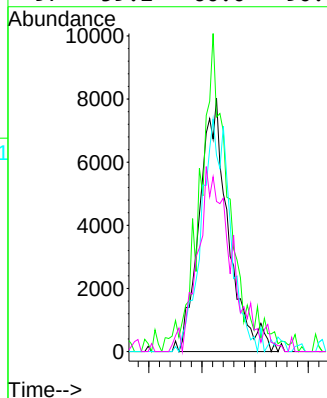
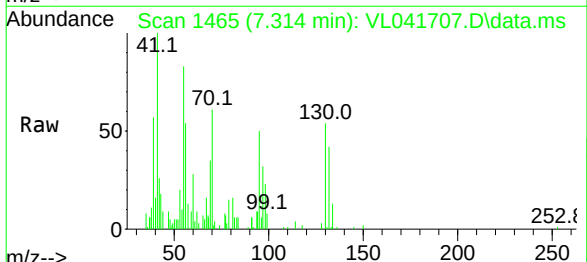
RT: 7.314 min Scan# 1465

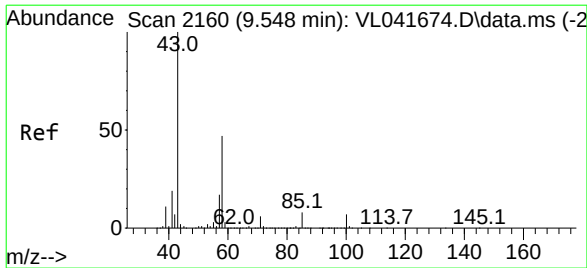
Delta R.T. 0.026 min

Lab File: VL041707.D

Acq: 20 Nov 2024 19:54

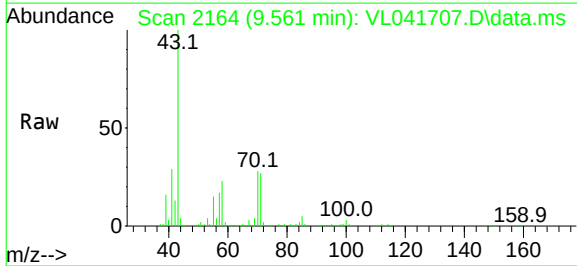
Tgt Ion:	130	Resp:	15030
Ion	Ratio	Lower	Upper
130	100		
95	92.6	89.1	133.7
132	77.5	75.7	113.5
97	59.2	60.0	90.0#





#51
2-Hexanone
Concen: 1.695 ppbv m
RT: 9.561 min Scan# 2160
Delta R.T. 0.013 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

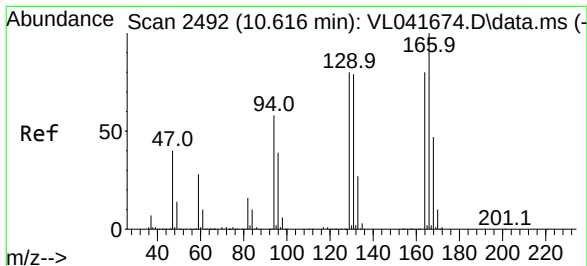
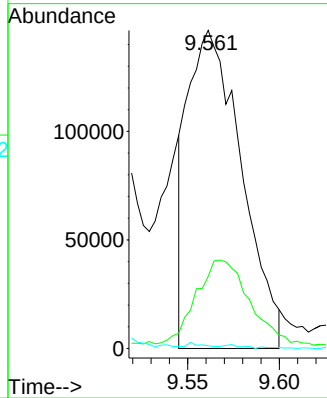
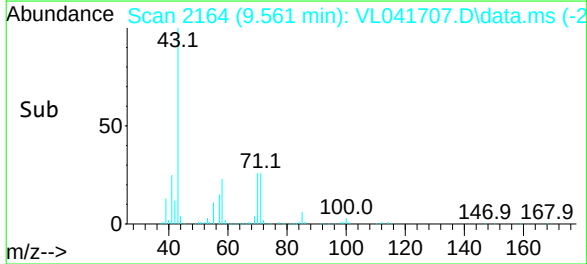
Instrument :
MSVOA_L
ClientSampleId :
SV1



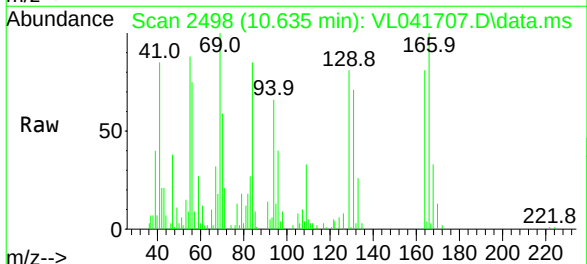
Tgt Ion: 43 Resp: 298641
Ion Ratio Lower Upper
43 100
58 30.5 37.0 55.6#
98 1.5 0.6 0.8#

Manual Integrations
APPROVED

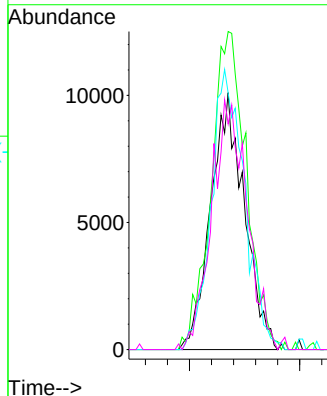
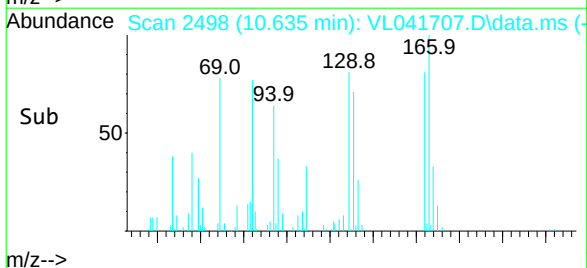
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

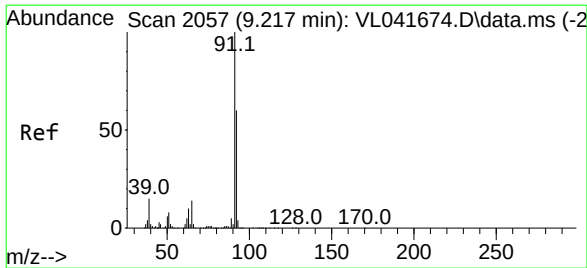


#52
Tetrachloroethene
Concen: 0.267 ppbv
RT: 10.635 min Scan# 2498
Delta R.T. 0.019 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54



Tgt Ion:164 Resp: 21336
Ion Ratio Lower Upper
164 100
166 123.8 100.2 150.4
129 101.7 79.7 119.5
131 87.8 79.0 118.4





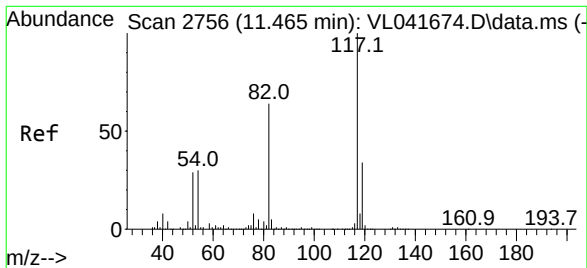
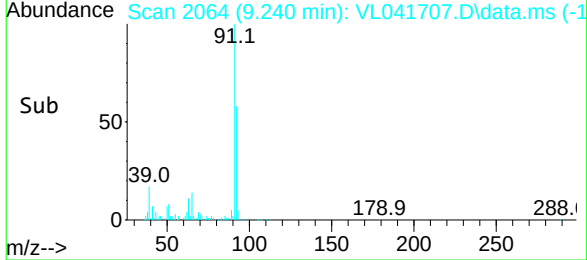
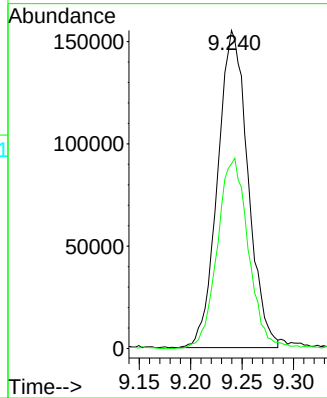
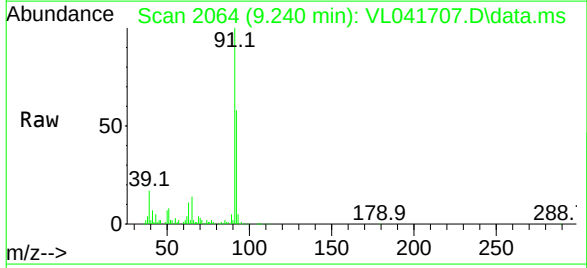
#53
Toluene
Concen: 1.290 ppbv
RT: 9.240 min Scan# 2057
Delta R.T. 0.022 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 318074
Ion Ratio Lower Upper
91 100
92 61.5 49.0 73.4

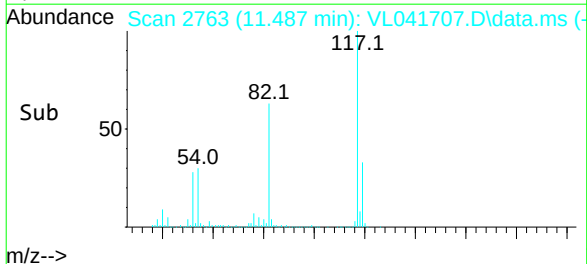
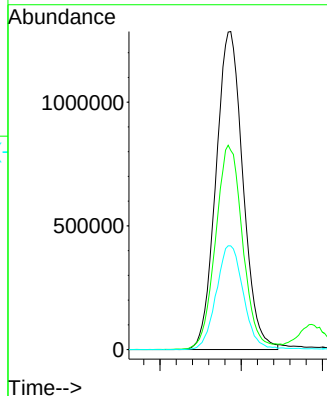
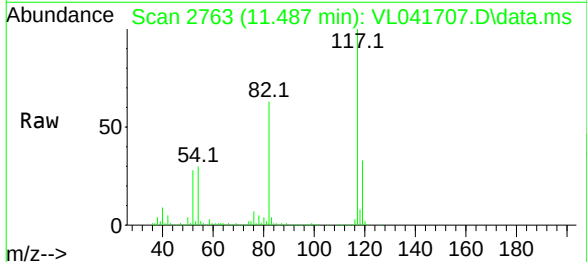
Manual Integrations
APPROVED

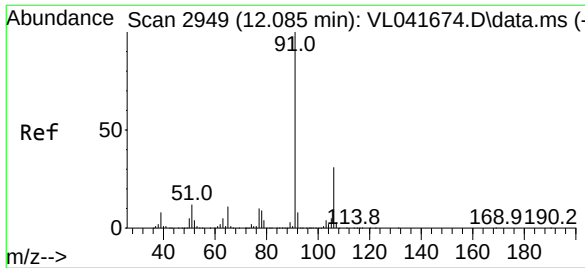
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.487 min Scan# 2763
Delta R.T. 0.022 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

Tgt Ion:117 Resp: 2967922
Ion Ratio Lower Upper
117 100
82 65.1 49.8 74.8
119 33.3 24.2 36.4





#58

Ethyl Benzene

Concen: 0.343 ppbv m

RT: 12.104 min Scan# 29

Delta R.T. 0.019 min

Lab File: VL041707.D

Acq: 20 Nov 2024 19:54

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 91 Resp: 111660

Ion Ratio Lower Upper

91 100

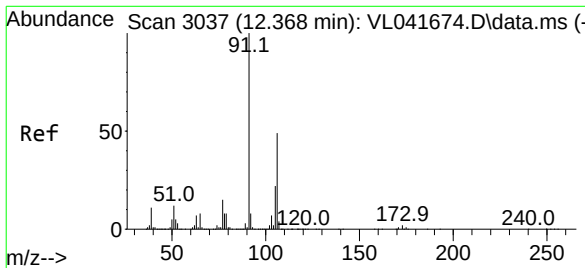
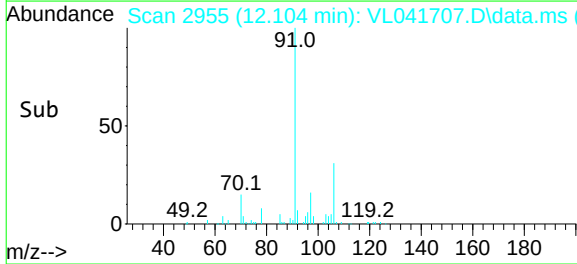
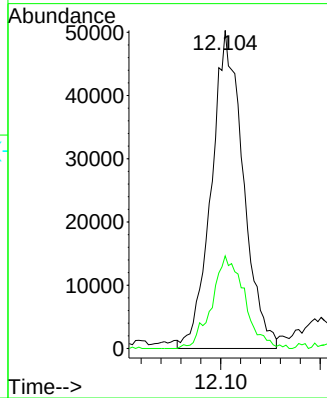
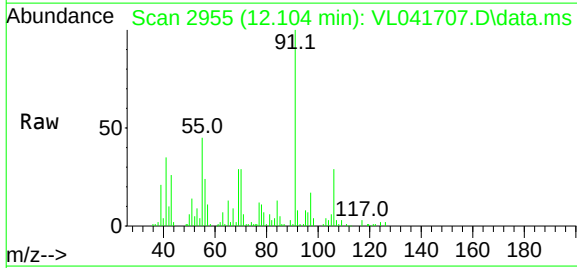
106 29.1 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#59

m/p-Xylene

Concen: 0.437 ppbv m

RT: 12.365 min Scan# 3036

Delta R.T. -0.003 min

Lab File: VL041707.D

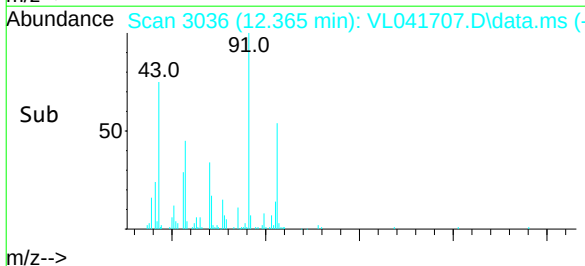
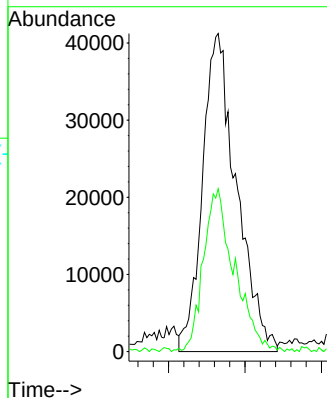
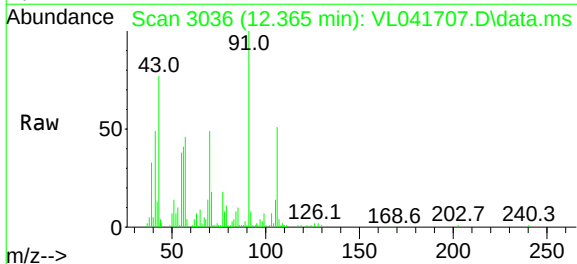
Acq: 20 Nov 2024 19:54

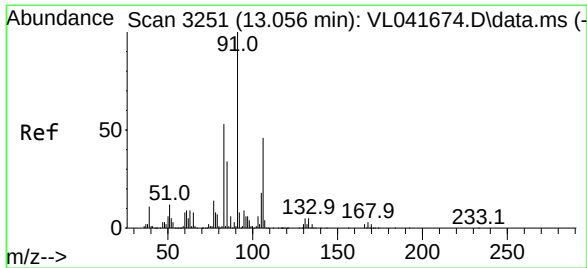
Tgt Ion: 91 Resp: 127437

Ion Ratio Lower Upper

91 100

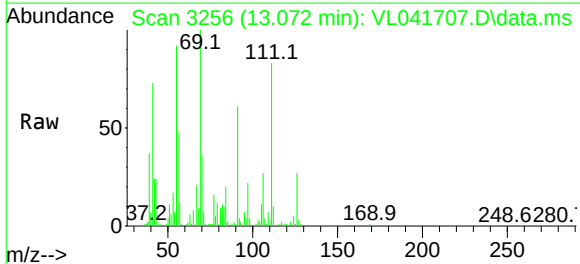
106 0.0 36.9 55.3#





#60
o-Xylene
Concen: 0.253 ppbv m
RT: 13.072 min Scan# 3251
Delta R.T. 0.016 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

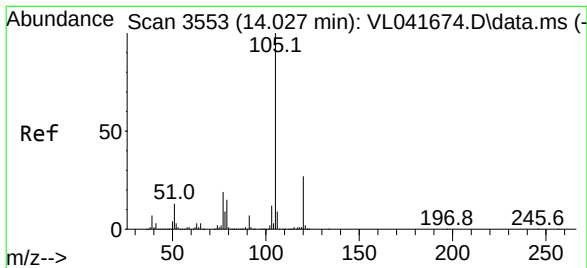
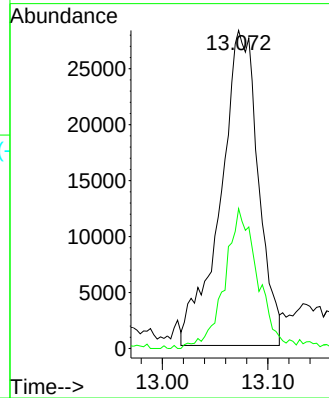
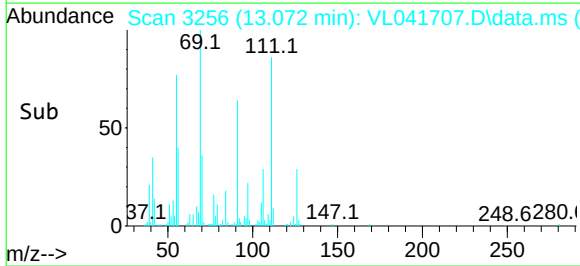
Instrument :
MSVOA_L
ClientSampleId :
SV1



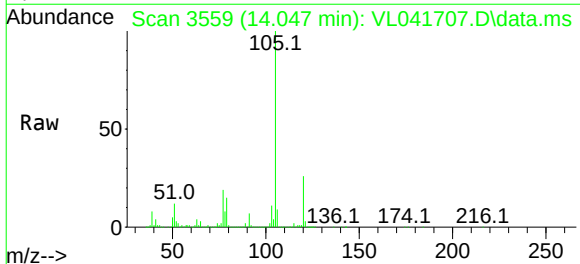
Tgt Ion: 91 Resp: 70203
Ion Ratio Lower Upper
91 100
106 39.7 23.2 69.6

Manual Integrations
APPROVED

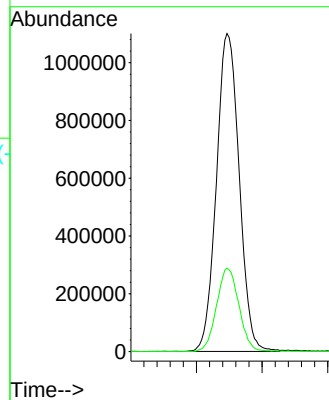
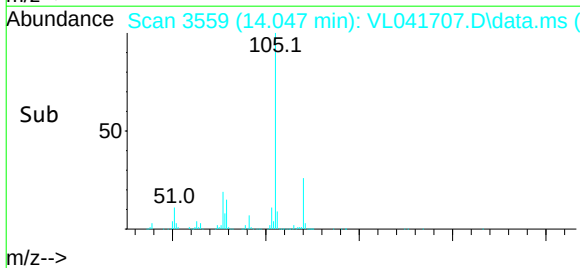
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

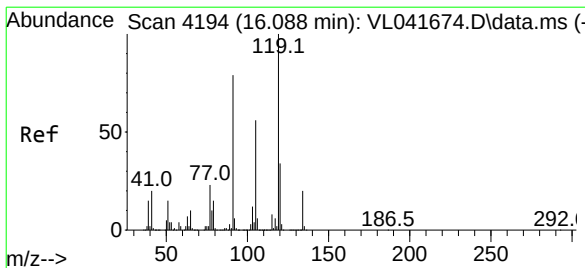


#62
Isopropylbenzene
Concen: 6.172 ppbv
RT: 14.047 min Scan# 3559
Delta R.T. 0.019 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54



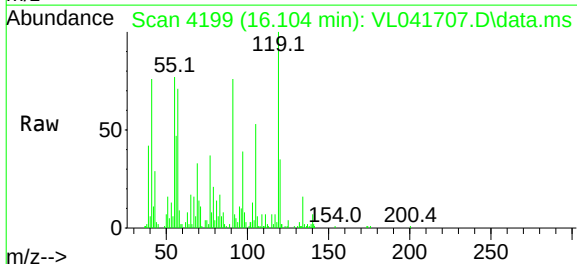
Tgt Ion:105 Resp: 2648338
Ion Ratio Lower Upper
105 100
120 25.9 21.1 31.7





#65
tert-Butylbenzene
Concen: 0.197 ppbv
RT: 16.104 min Scan# 4199
Delta R.T. 0.016 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

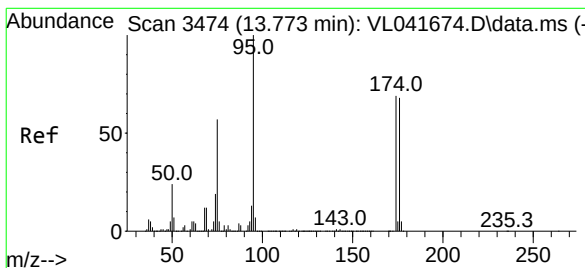
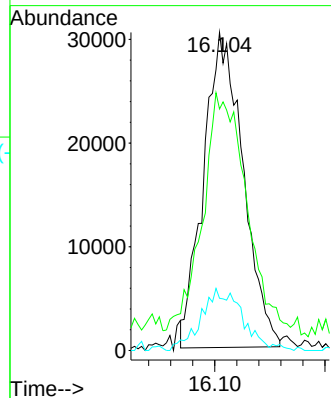
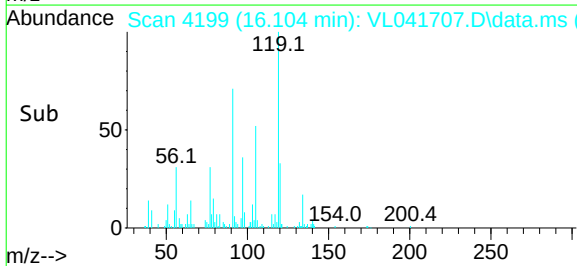
Instrument :
MSVOA_L
ClientSampleId :
SV1



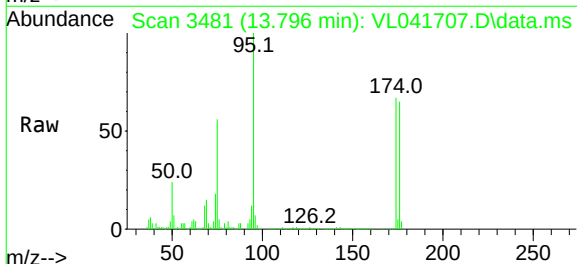
Tgt Ion: 119 Resp: 75862
Ion Ratio Lower Upper
119 100
91 89.7 64.3 96.5
134 20.7 15.8 23.8

Manual Integrations
APPROVED

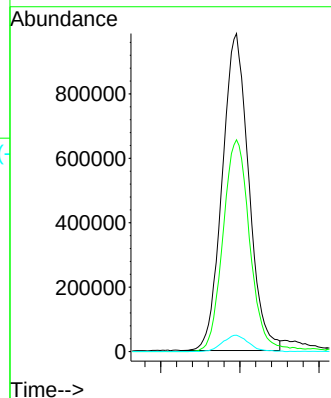
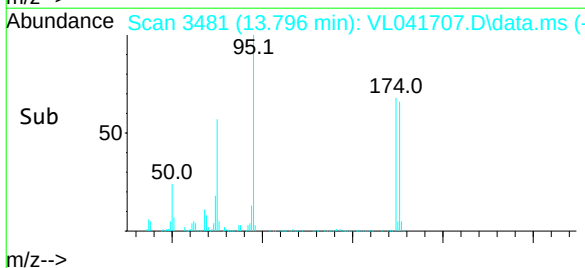
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

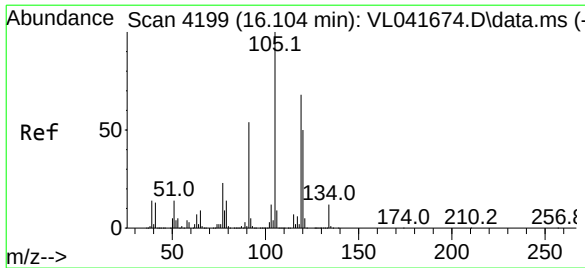


#68
1-Bromo-4-Fluorobenzene
Concen: 10.494 ppbv
RT: 13.796 min Scan# 3481
Delta R.T. 0.022 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54



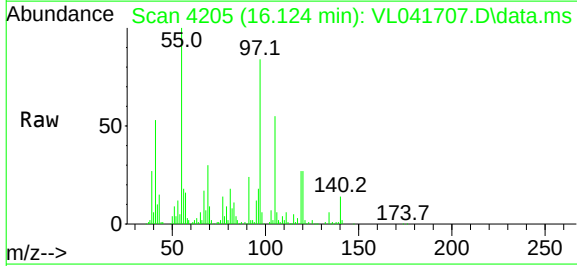
Tgt Ion: 95 Resp: 2294765
Ion Ratio Lower Upper
95 100
174 69.3 55.6 83.4
175 5.1 4.2 6.2





#74
1,2,4-Trimethylbenzene
Concen: 0.297 ppbv m
RT: 16.124 min Scan# 42
Delta R.T. 0.019 min
Lab File: VL041707.D
Acq: 20 Nov 2024 19:54

Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:	105	Resp:	97857
Ion Ratio	Lower	Upper	
105	100		
120	49.0	39.8	59.8
91	43.9	43.2	64.8
77	24.6	18.5	27.7

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

