

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
 Data File : VL041548.D
 Acq On : 19 Aug 2024 14:56
 Operator : SY/MD
 Sample : P3658-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/20/2024
 Supervised By :Mahesh Dadoda 08/20/2024

Quant Time: Aug 20 02:17:32 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 : Tue Aug 20 02:10:04 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	917311	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2464987	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2247044	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.799	95	1716409	9.926	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.751	85	34506	0.219	ppbv	95
3) Chlorodifluoromethane	2.697	51	74794m	0.685	ppbv	
4) Chloromethane	2.835	50	30309	0.522	ppbv	91
9) Propene	2.726	41	168272	3.354	ppbv	# 69
10) Heptane	7.603	43	11867m	0.105	ppbv	
11) Trichlorofluoromethane	3.581	101	36710	0.262	ppbv	97
13) Ethanol	3.256	45	702772	156.742	ppbv	96
15) Acetone	3.488	43	1085173	10.412	ppbv	99
17) tert-Butyl alcohol	3.912	59	11131m	0.117	ppbv	
19) Isopropyl Alcohol	3.600	45	128528m	2.109	ppbv	
20) Methylene Chloride	3.954	84	382553	9.843	ppbv	96
26) Hexane	5.234	57	284433	3.311	ppbv	# 42
29) Chloroform	5.295	83	20644m	0.147	ppbv	
34) 2-Butanone	4.812	43	52719	0.442	ppbv	# 90
35) Carbon Tetrachloride	6.517	117	9038m	0.066	ppbv	
36) Benzene	6.394	78	44039m	0.245	ppbv	
37) 1,2-Dichloroethane	5.829	62	21674	0.215	ppbv	# 93
43) Methyl Methacrylate	7.497	69	10308m	0.160	ppbv	
52) Tetrachloroethene	10.635	164	25825m	0.371	ppbv	
53) Toluene	9.246	91	260499	1.298	ppbv	99
58) Ethyl Benzene	12.111	91	55200m	0.213	ppbv	
59) m/p-Xylene	12.372	91	178026m	0.796	ppbv	
60) o-Xylene	13.082	91	42620	0.202	ppbv	92
74) 1,2,4-Trimethylbenzene	16.137	105	30682m	0.123	ppbv	
76) 1,4-Dichlorobenzene	16.500	146	24218m	0.160	ppbv	

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

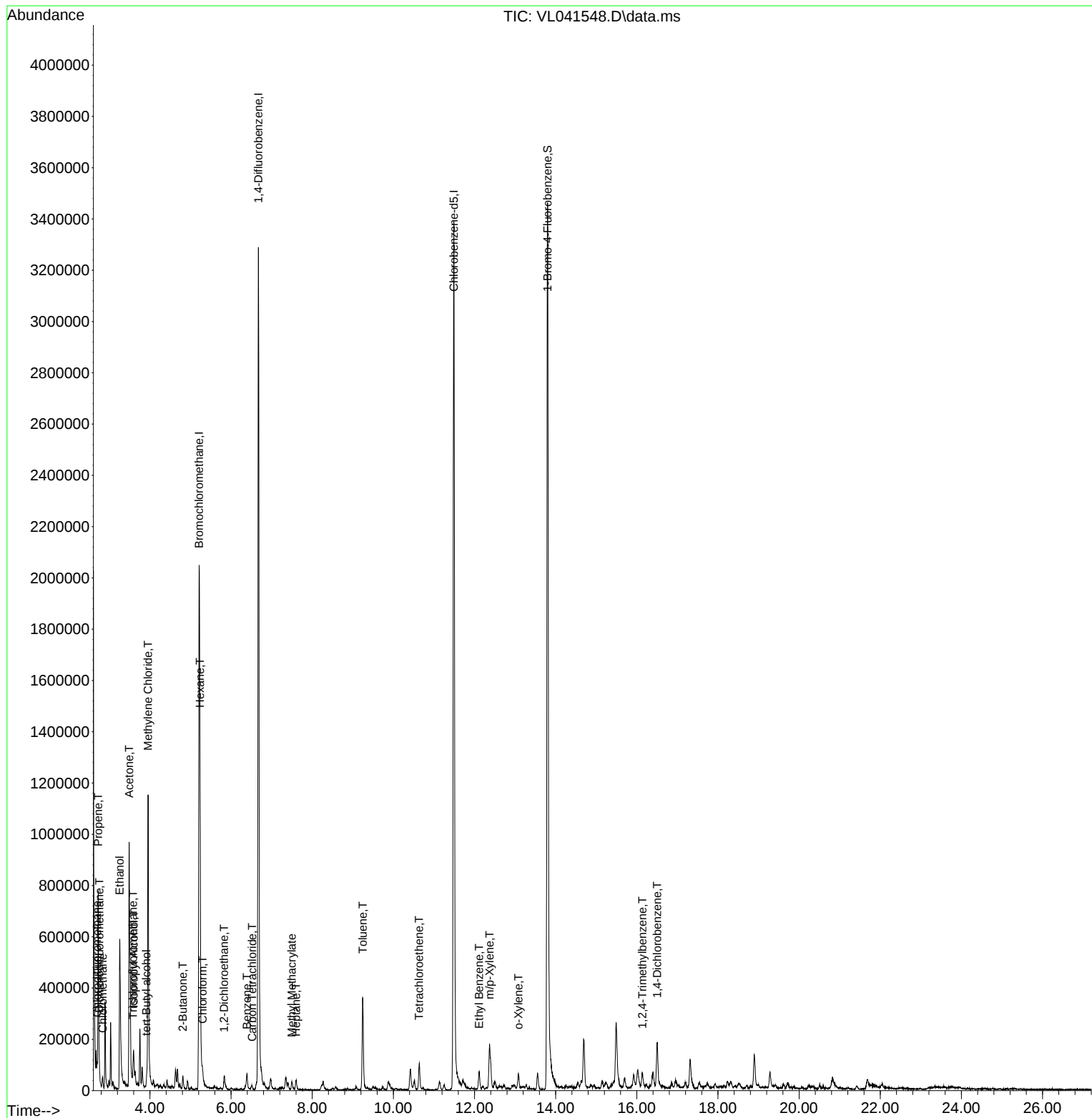
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
Data File : VL041548.D
Acq On : 19 Aug 2024 14:56
Operator : SY/MD
Sample : P3658-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

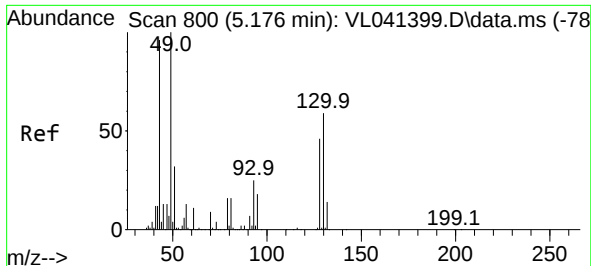
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Aug 20 02:17:32 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 : Tue Aug 20 02:10:04 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 08/20/2024
Supervised By : Mahesh Dadoda 08/20/2024





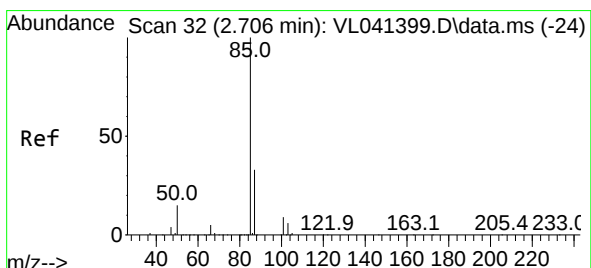
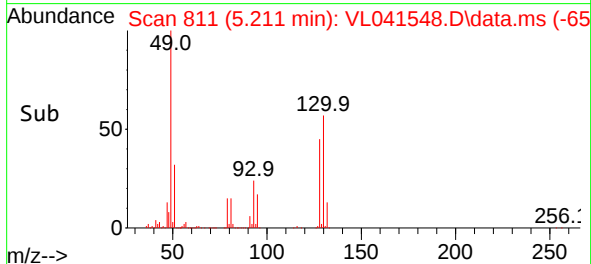
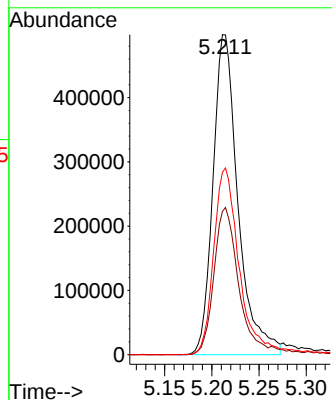
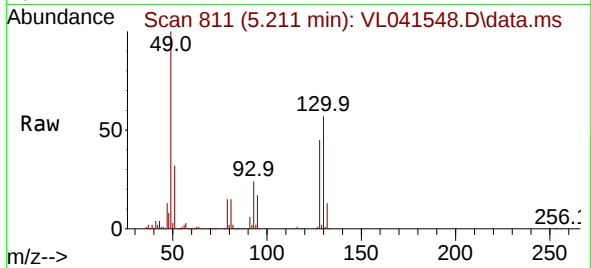
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 91731
Ion Ratio Lower Upper
49 100
128 47.3 23.8 71.4
130 61.5 30.8 92.4

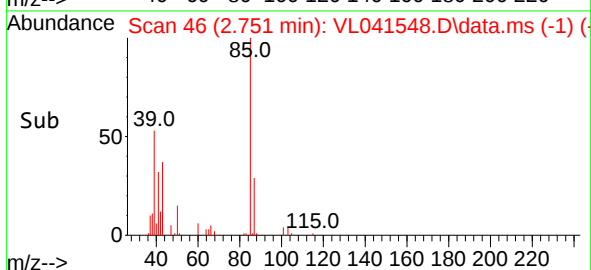
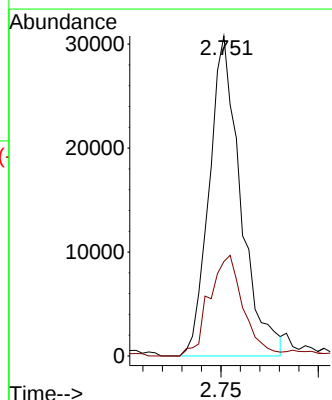
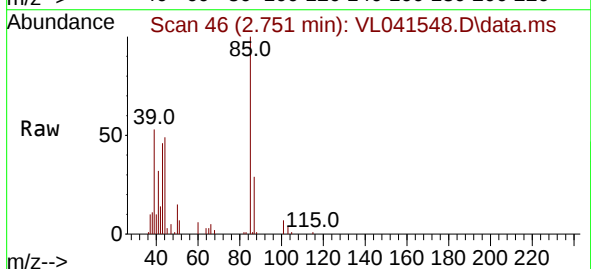
Manual Integrations
APPROVED

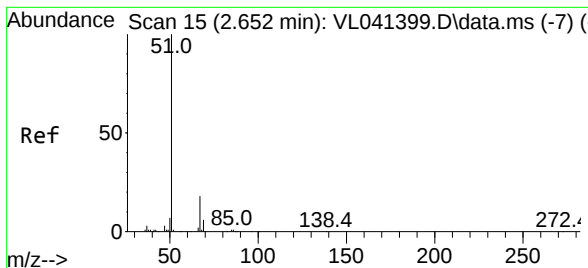
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024



#2
Dichlorodifluoromethane
Concen: 0.219 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.003 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56

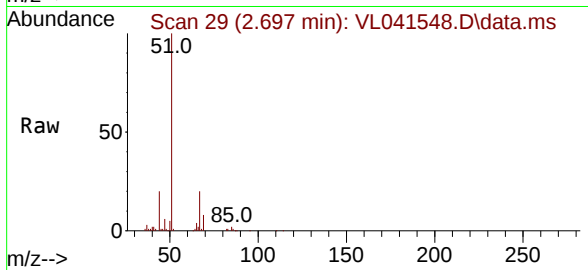
Tgt Ion: 85 Resp: 34506
Ion Ratio Lower Upper
85 100
87 29.5 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.685 ppbv
RT: 2.697 min Scan# 29
Delta R.T. 0.003 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56

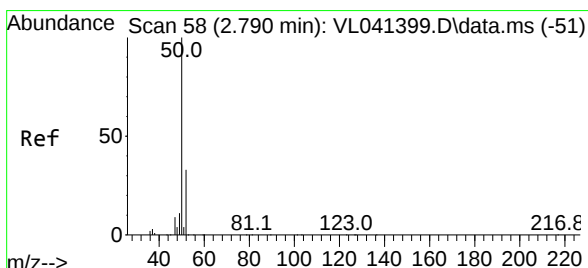
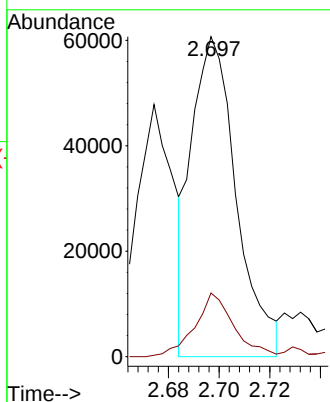
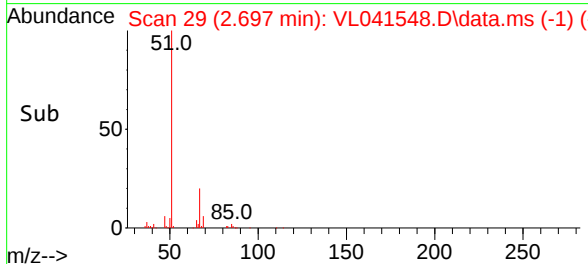
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 51 Resp: 74794
Ion Ratio Lower Upper
51 100
67 19.5 14.5 21.7

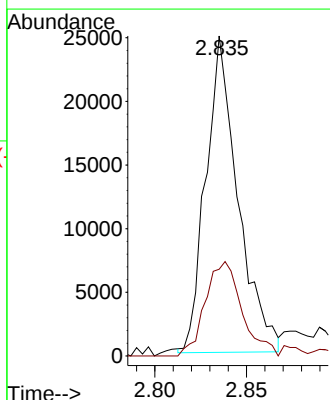
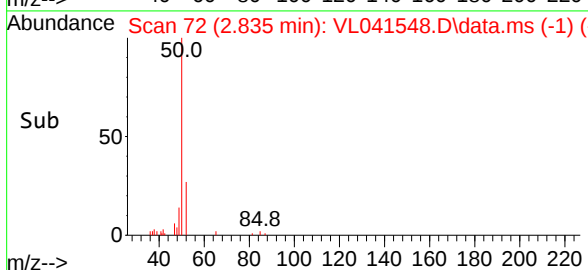
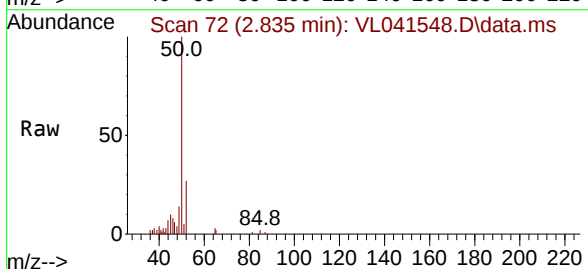
Manual Integrations
APPROVED

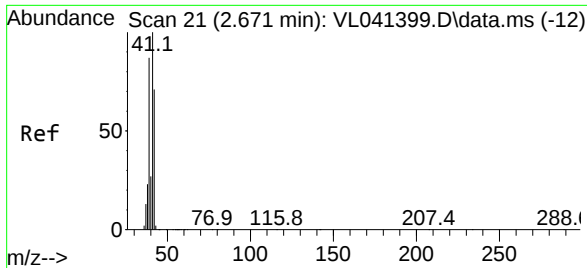
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024



#4
Chloromethane
Concen: 0.522 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.003 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56

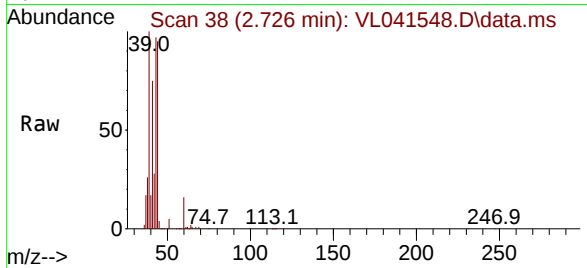
Tgt Ion: 50 Resp: 30309
Ion Ratio Lower Upper
50 100
52 27.7 26.1 39.1





#9
 Propene
 Concen: 3.354 ppbv
 RT: 2.726 min Scan# 30
 Delta R.T. 0.013 min
 Lab File: VL041548.D
 Acq: 19 Aug 2024 14:56

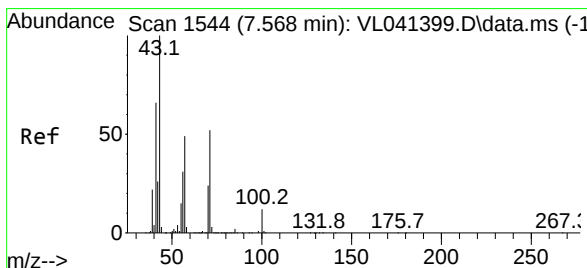
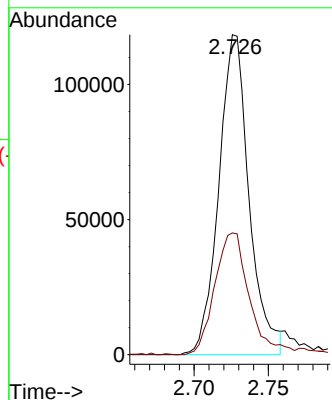
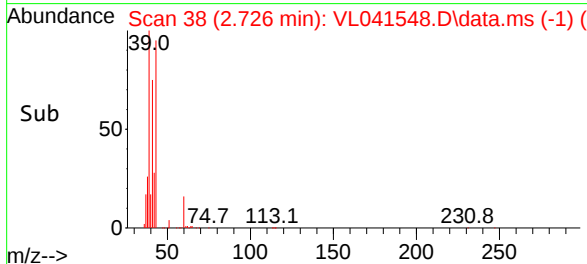
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



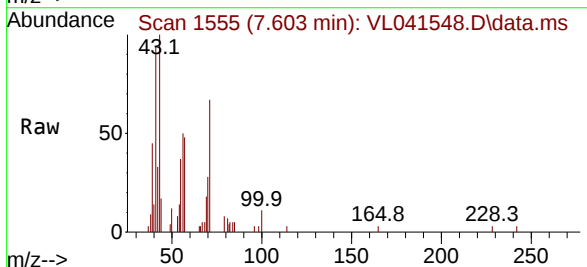
Tgt Ion: 41 Resp: 168272
 Ion Ratio Lower Upper
 41 100
 42 44.8 55.9 83.9

Manual Integrations
 APPROVED

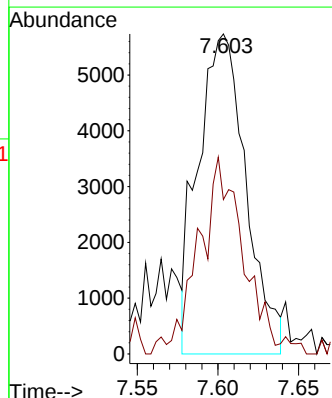
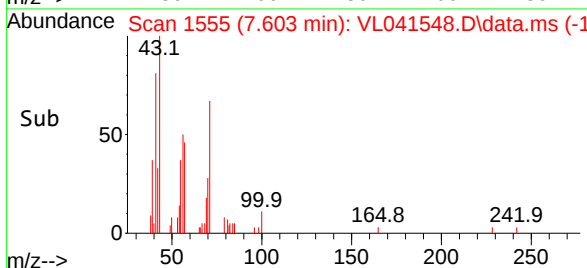
Reviewed By :Semsettin Yesilyurt 08/20/2024
 Supervised By :Mahesh Dadoda 08/20/2024

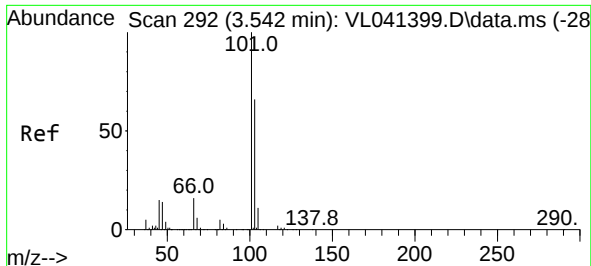


#10
 Heptane
 Concen: 0.105 ppbv m
 RT: 7.603 min Scan# 1555
 Delta R.T. 0.007 min
 Lab File: VL041548.D
 Acq: 19 Aug 2024 14:56



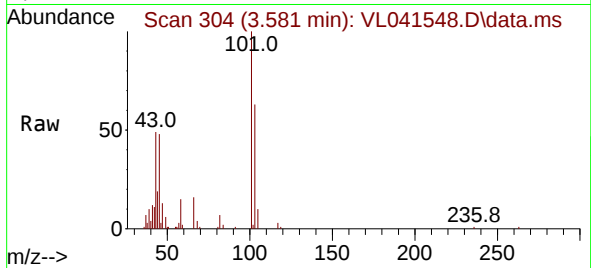
Tgt Ion: 43 Resp: 11867
 Ion Ratio Lower Upper
 43 100
 57 60.2 40.5 60.7





#11
Trichlorofluoromethane
Concen: 0.262 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.000 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56

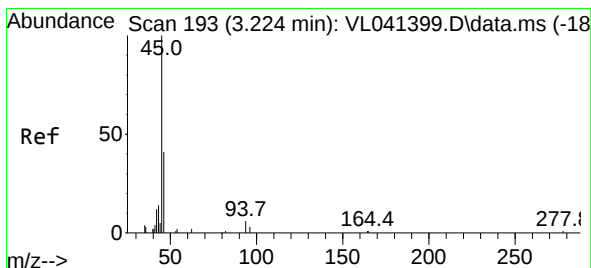
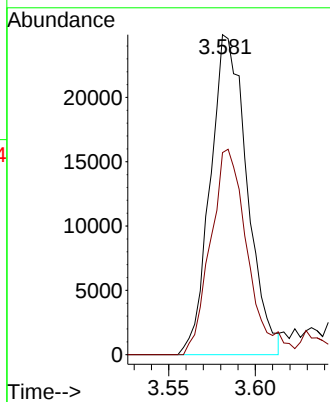
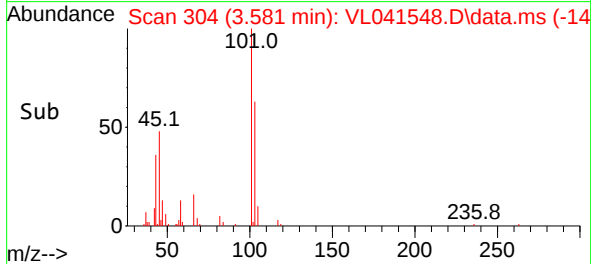
Instrument :
MSVOA_L
ClientSampleId :
OA1



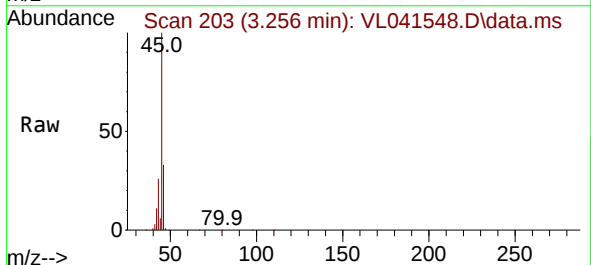
Tgt Ion:101 Resp: 36710
Ion Ratio Lower Upper
101 100
103 63.1 52.6 79.0

Manual Integrations
APPROVED

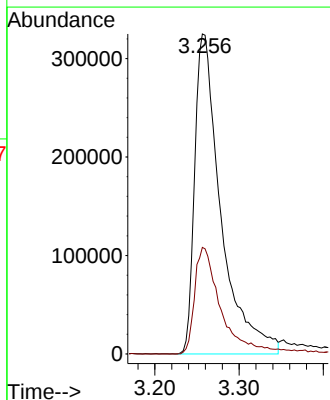
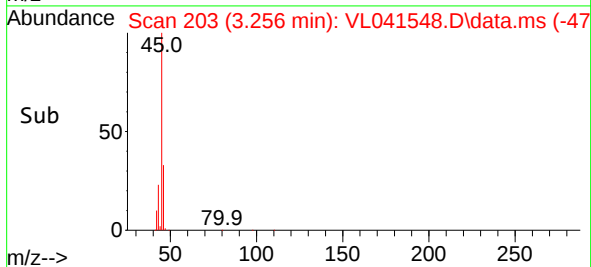
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024

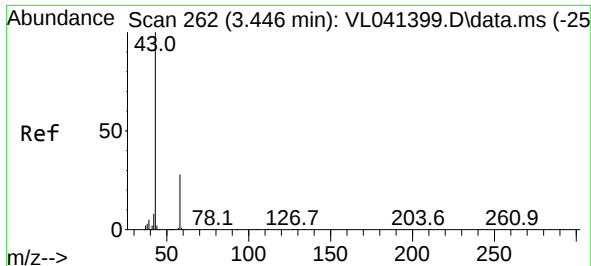


#13
Ethanol
Concen: 156.742 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.000 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56



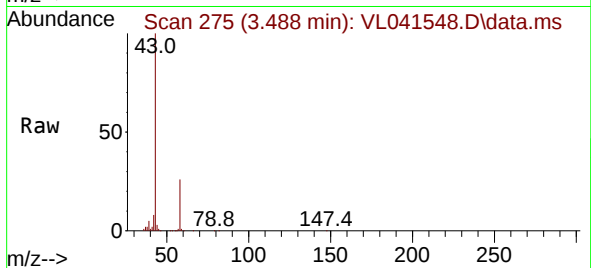
Tgt Ion: 45 Resp: 702772
Ion Ratio Lower Upper
45 100
46 35.5 13.4 53.4





#15
Acetone
Concen: 10.412 ppbv
RT: 3.488 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56

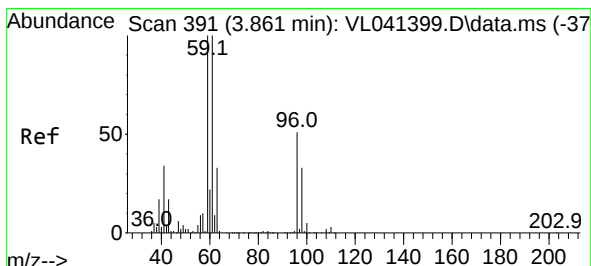
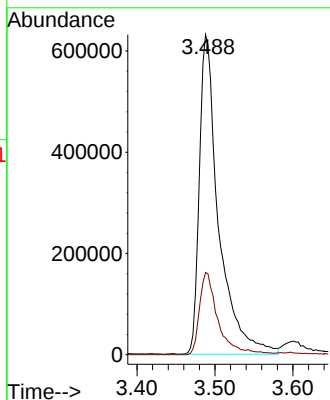
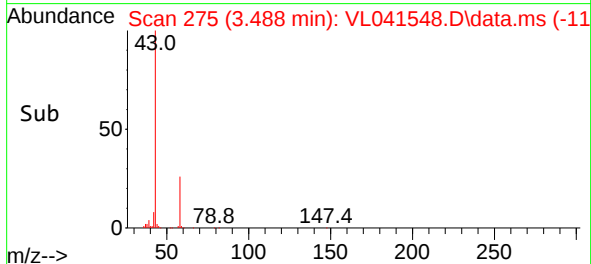
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 108517
Ion Ratio Lower Upper
43 100
58 26.1 21.4 32.2

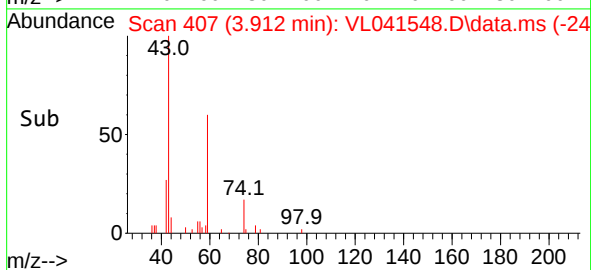
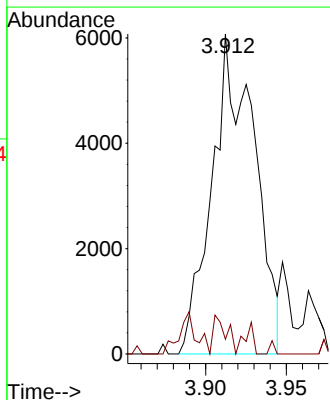
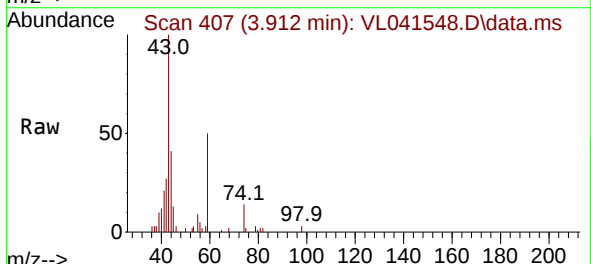
Manual Integrations
APPROVED

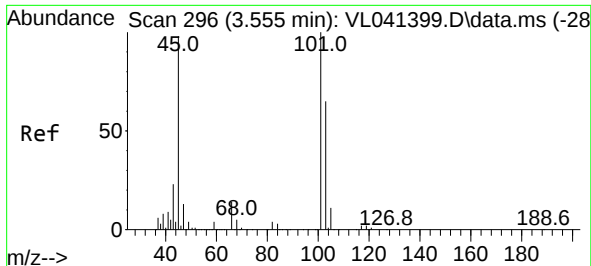
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024



#17
tert-Butyl alcohol
Concen: 0.117 ppbv m
RT: 3.912 min Scan# 407
Delta R.T. 0.019 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56

Tgt Ion: 59 Resp: 11131
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#19

Isopropyl Alcohol

Concen: 2.109 ppbv m

RT: 3.600 min Scan# 310

Delta R.T. 0.010 min

Lab File: VL041548.D

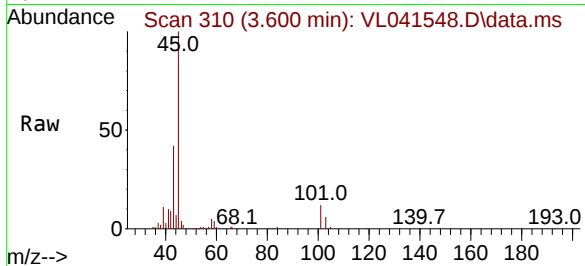
Acq: 19 Aug 2024 14:56

Instrument :

MSVOA_L

ClientSampleId :

OA1



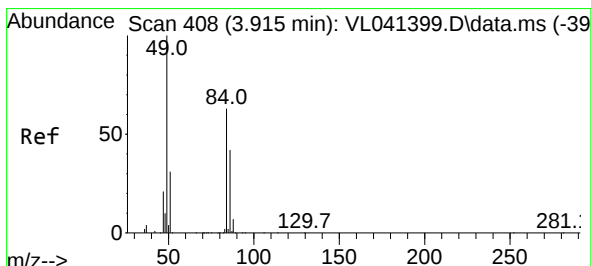
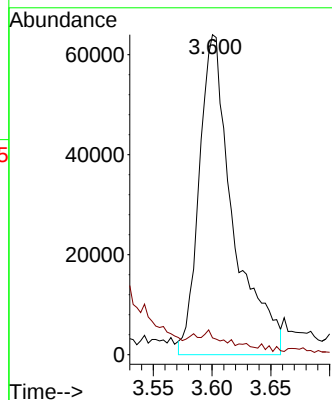
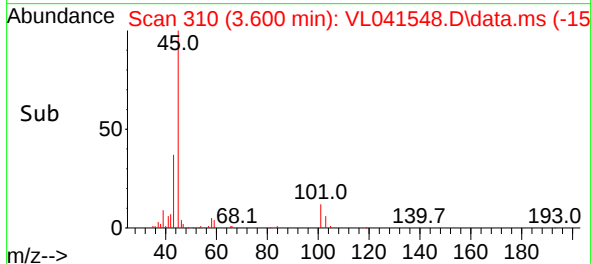
Tgt Ion: 45 Resp: 128528

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.9	2.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024



#20

Methylene Chloride

Concen: 9.843 ppbv

RT: 3.954 min Scan# 420

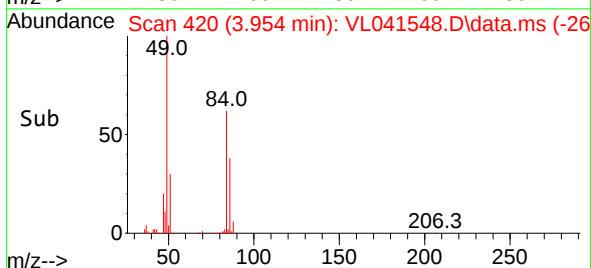
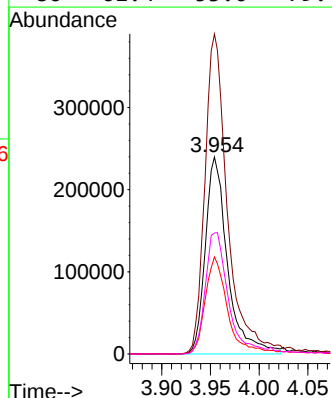
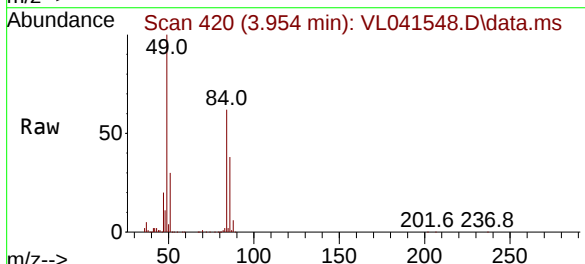
Delta R.T. 0.003 min

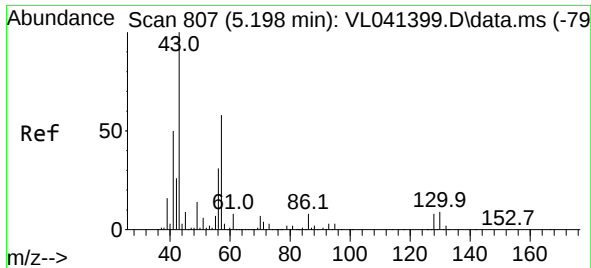
Lab File: VL041548.D

Acq: 19 Aug 2024 14:56

Tgt Ion: 84 Resp: 382553

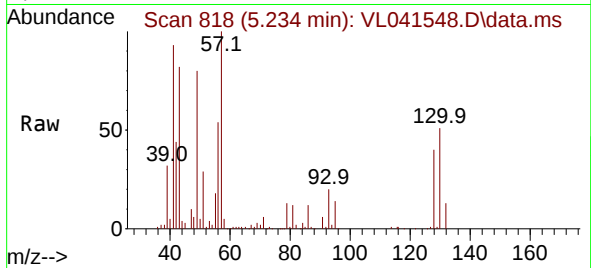
Ion	Ratio	Lower	Upper
84	100		
49	162.3	126.6	190.0
51	49.3	38.6	58.0
86	61.4	53.0	79.4





#26
Hexane
Concen: 3.311 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.003 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56

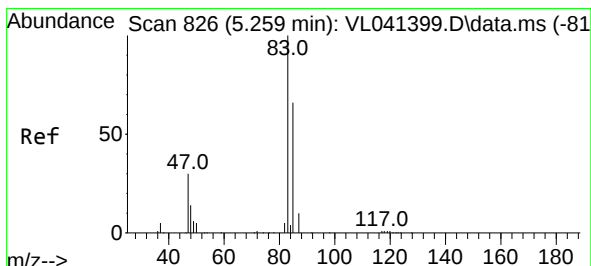
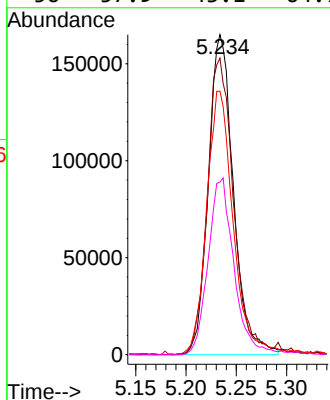
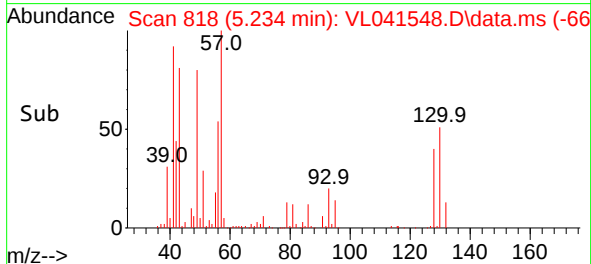
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 57 Resp: 28443
Ion Ratio Lower Upper
57 100
41 99.9 74.0 111.0
43 89.1 193.6 290.4
56 57.9 43.1 64.7

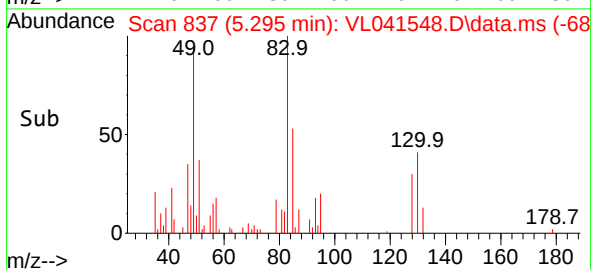
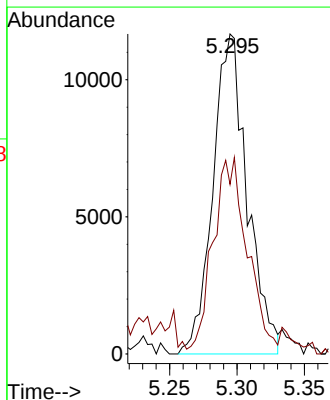
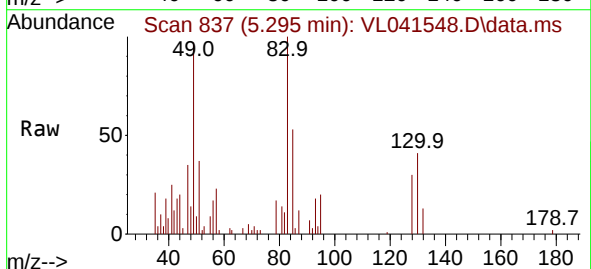
Manual Integrations
APPROVED

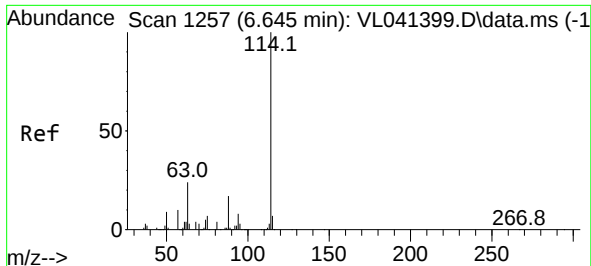
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024



#29
Chloroform
Concen: 0.147 ppbv m
RT: 5.295 min Scan# 837
Delta R.T. 0.000 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56

Tgt Ion: 83 Resp: 20644
Ion Ratio Lower Upper
83 100
85 53.0 53.1 79.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041548.D

Acq: 19 Aug 2024 14:56

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:114 Resp: 246498

Ion Ratio Lower Upper

114 100

63 24.9 20.3 30.5

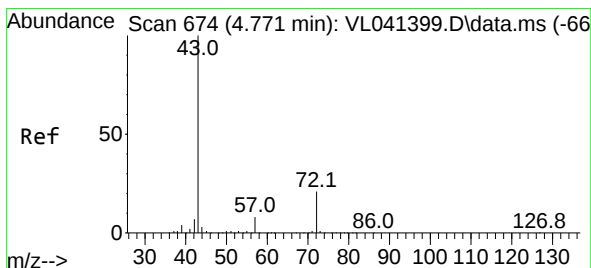
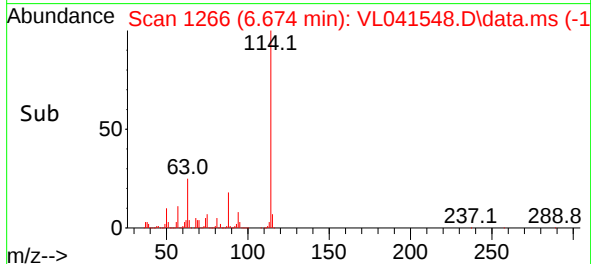
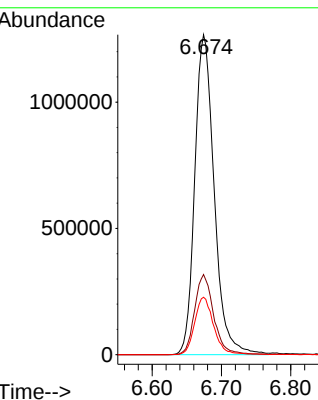
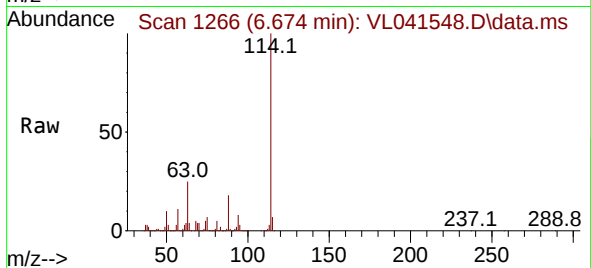
88 17.7 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/20/2024

Supervised By :Mahesh Dadoda 08/20/2024



#34

2-Butanone

Concen: 0.442 ppbv

RT: 4.812 min Scan# 687

Delta R.T. 0.010 min

Lab File: VL041548.D

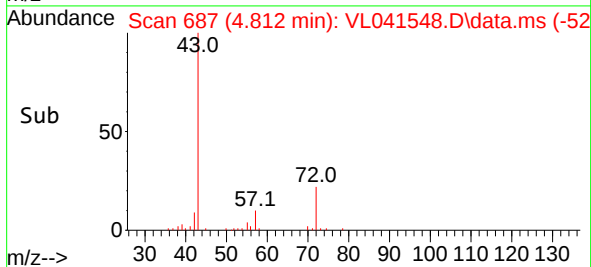
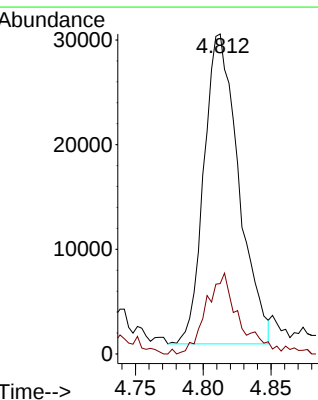
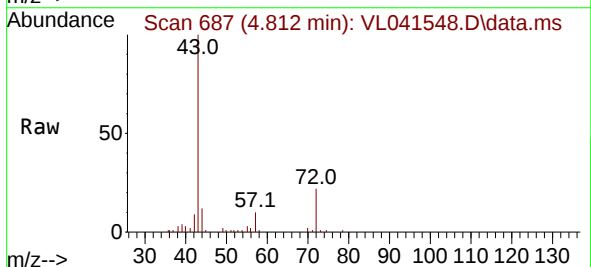
Acq: 19 Aug 2024 14:56

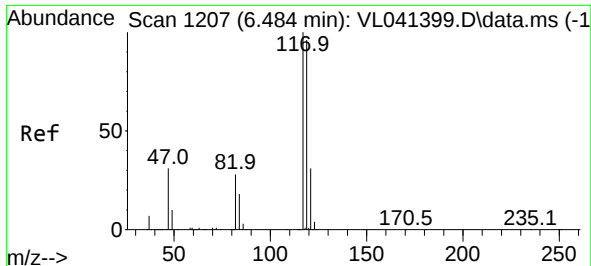
Tgt Ion: 43 Resp: 52719

Ion Ratio Lower Upper

43 100

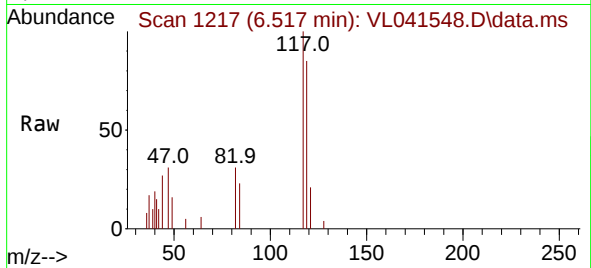
72 26.1 17.3 25.9#





#35
Carbon Tetrachloride
Concen: 0.066 ppbv m
RT: 6.517 min Scan# 1179
Delta R.T. 0.003 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56

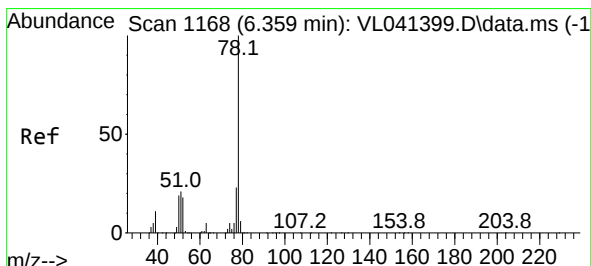
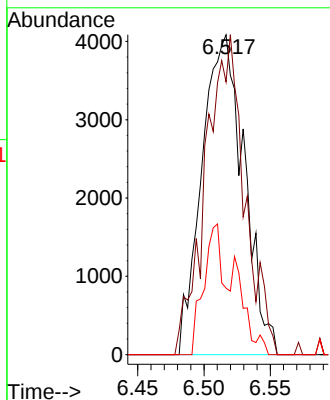
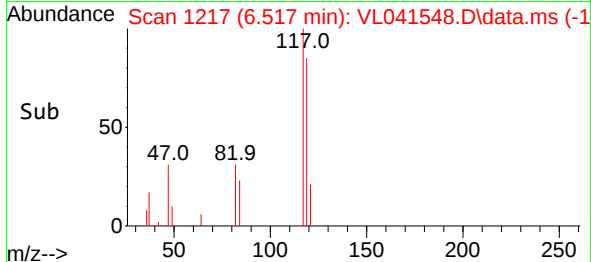
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 117 Resp: 9038
Ion Ratio Lower Upper
117 100
119 85.3 76.6 115.0
121 20.8 25.1 37.7

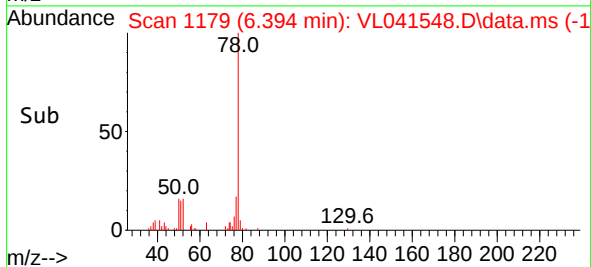
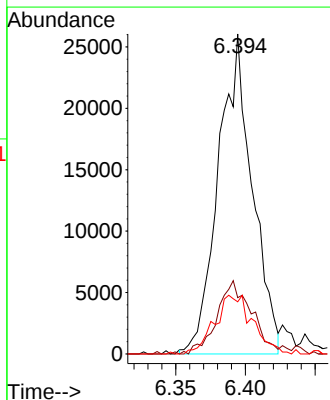
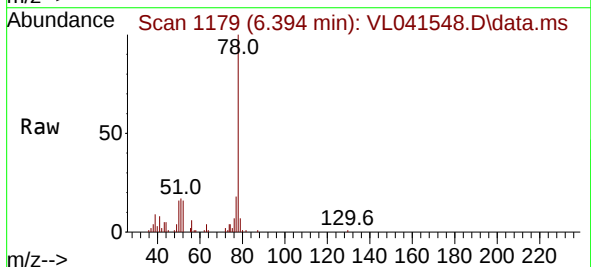
Manual Integrations
APPROVED

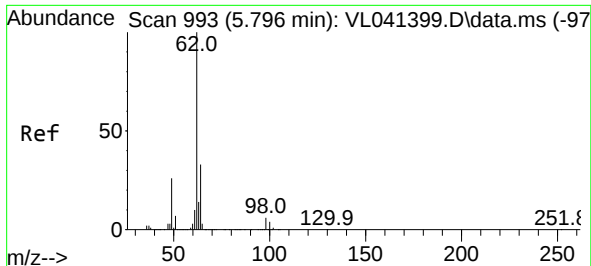
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024



#36
Benzene
Concen: 0.245 ppbv m
RT: 6.394 min Scan# 1179
Delta R.T. 0.003 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56

Tgt Ion: 78 Resp: 44039
Ion Ratio Lower Upper
78 100
77 17.6 18.1 27.1#
50 16.3 15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.215 ppbv

RT: 5.829 min Scan# 1003

Delta R.T. 0.003 min

Lab File: VL041548.D

Acq: 19 Aug 2024 14:56

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 62 Resp: 21674

Ion Ratio Lower Upper

62 100

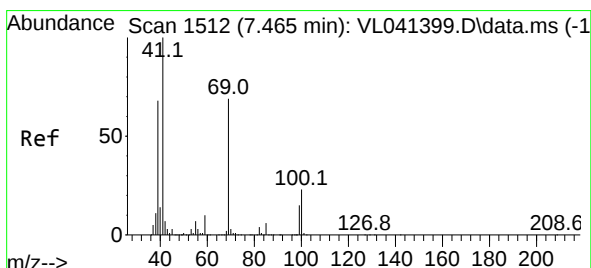
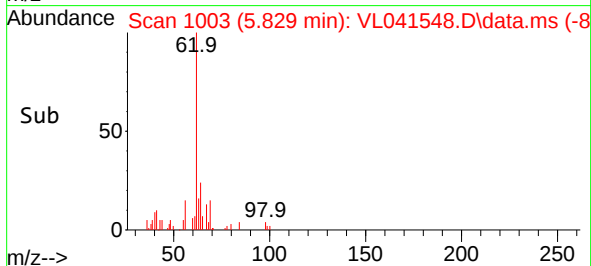
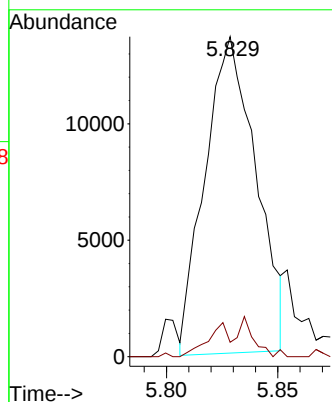
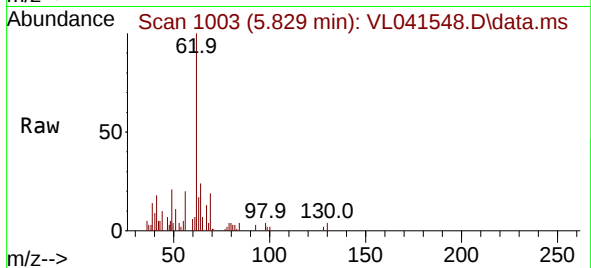
98 8.6 5.0 7.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/20/2024

Supervised By :Mahesh Dadoda 08/20/2024



#43

Methyl Methacrylate

Concen: 0.160 ppbv m

RT: 7.497 min Scan# 1522

Delta R.T. 0.003 min

Lab File: VL041548.D

Acq: 19 Aug 2024 14:56

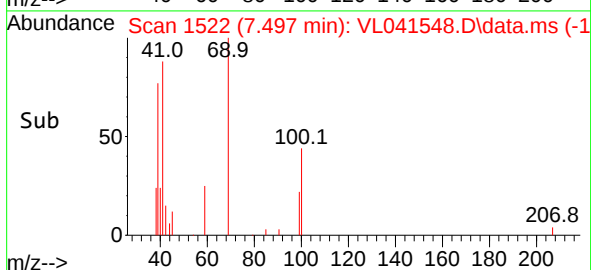
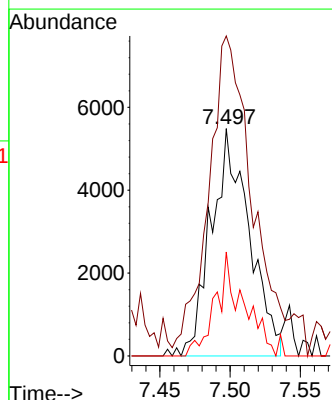
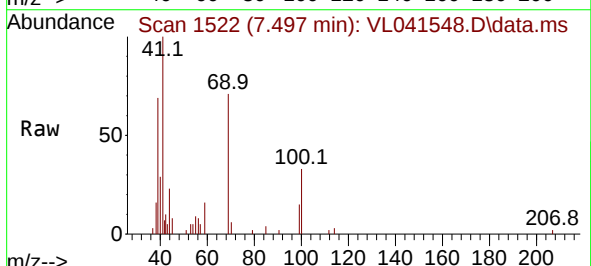
Tgt Ion: 69 Resp: 10308

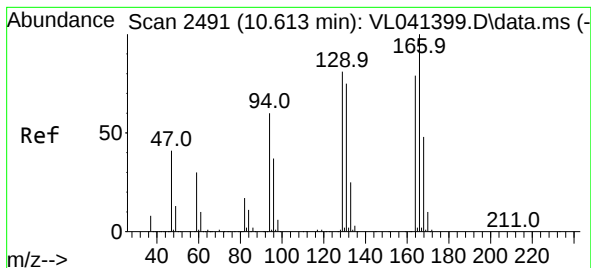
Ion Ratio Lower Upper

69 100

41 176.9 118.7 178.1

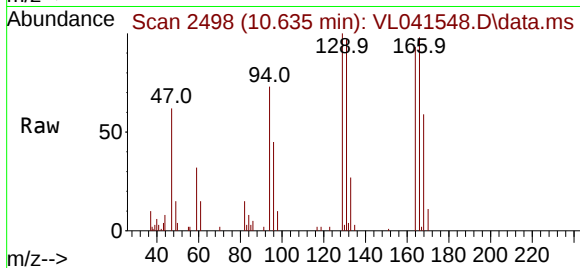
100 34.7 27.0 40.4





#52
Tetrachloroethene
Concen: 0.371 ppbv m
RT: 10.635 min Scan# 2491
Delta R.T. 0.000 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56

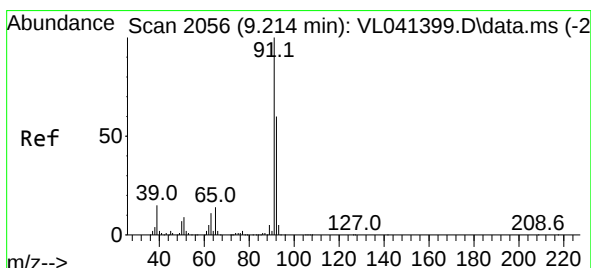
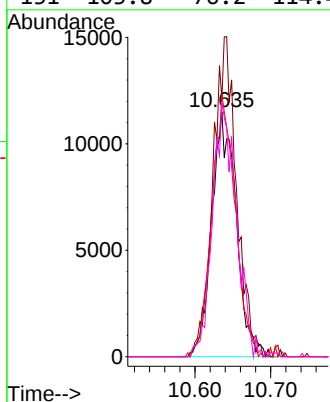
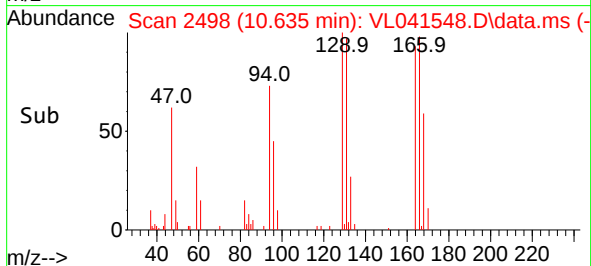
Instrument :
MSVOA_L
ClientSampleId :
OA1



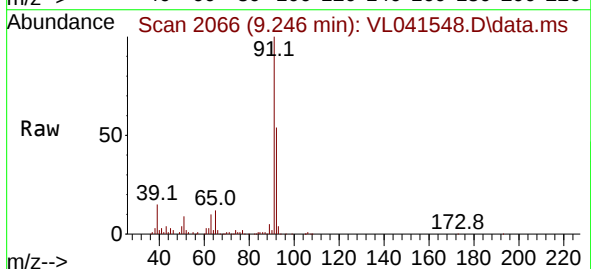
Tgt Ion:164 Resp: 25829
Ion Ratio Lower Upper
164 100
166 105.3 101.1 151.7
129 107.0 81.7 122.5
131 103.8 76.2 114.4

Manual Integrations
APPROVED

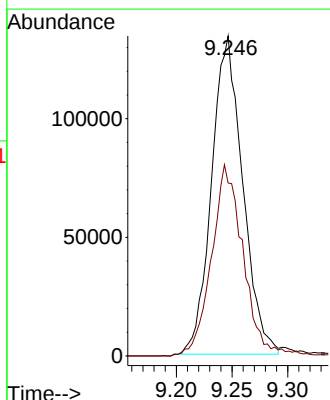
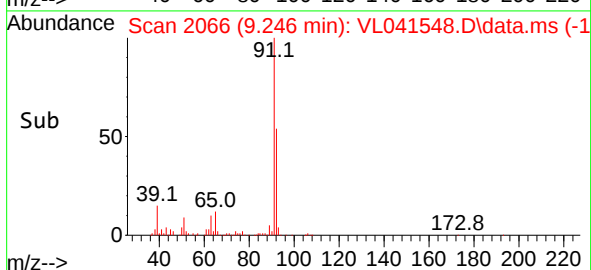
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024

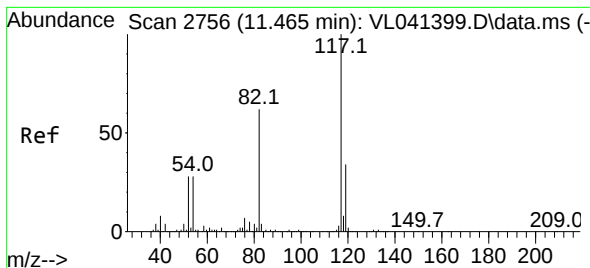


#53
Toluene
Concen: 1.298 ppbv
RT: 9.246 min Scan# 2066
Delta R.T. 0.007 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56



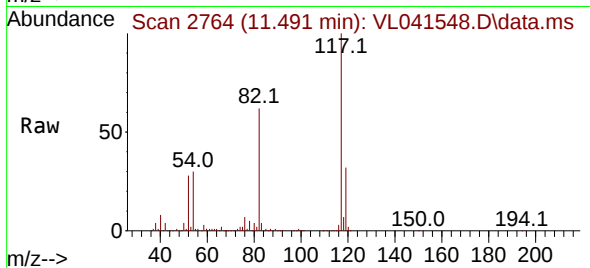
Tgt Ion: 91 Resp: 260499
Ion Ratio Lower Upper
91 100
92 61.7 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.491 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56

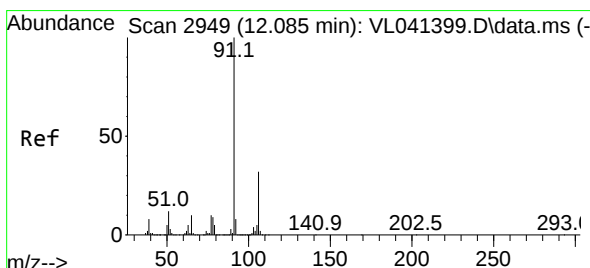
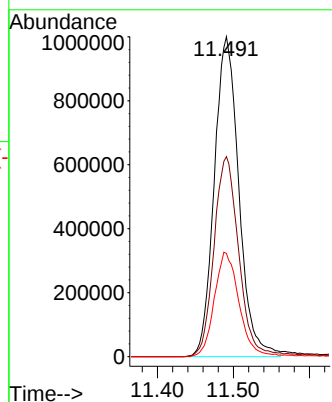
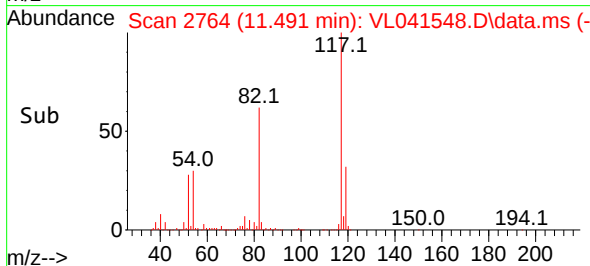
Instrument :
MSVOA_L
ClientSampleId :
OA1



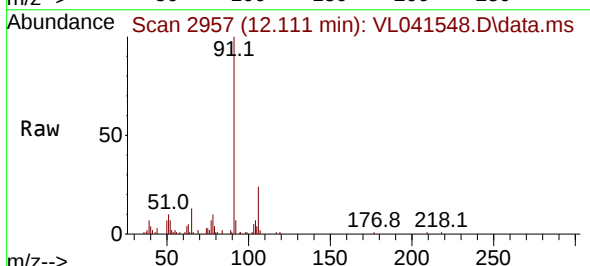
Tgt Ion:117 Resp: 2247044
Ion Ratio Lower Upper
117 100
82 64.2 51.0 76.6
119 33.1 45.2 67.8

Manual Integrations
APPROVED

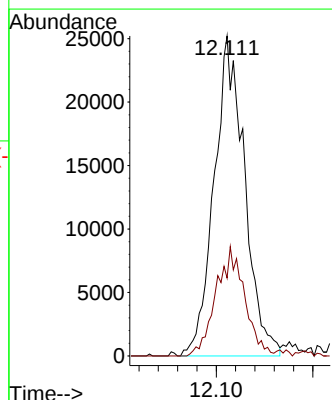
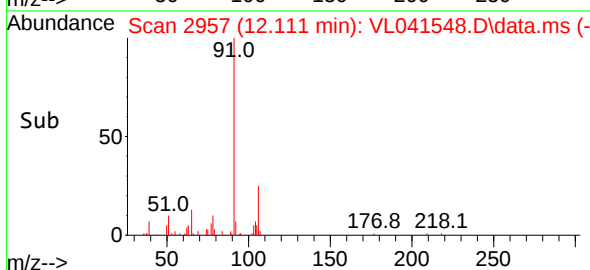
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024

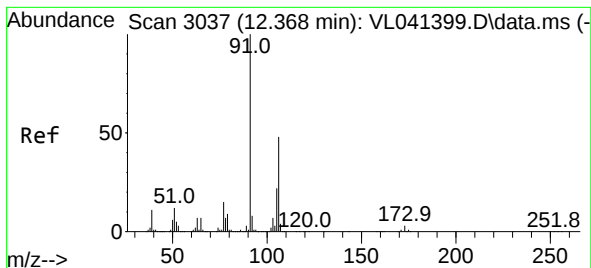


#58
Ethyl Benzene
Concen: 0.213 ppbv m
RT: 12.111 min Scan# 2957
Delta R.T. 0.000 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56



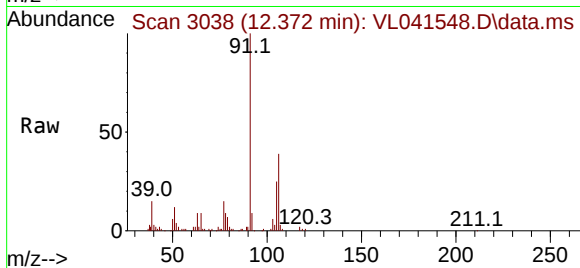
Tgt Ion: 91 Resp: 55200
Ion Ratio Lower Upper
91 100
106 24.4 25.8 38.8





#59
m/p-Xylene
Concen: 0.796 ppbv m
RT: 12.372 min Scan# 3038
Delta R.T. -0.022 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56

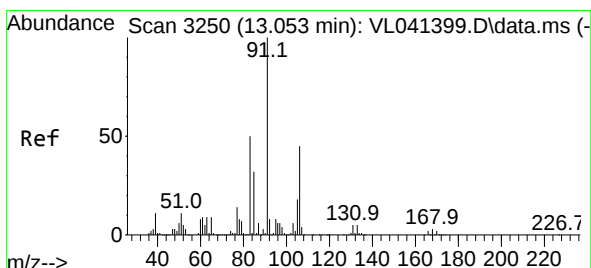
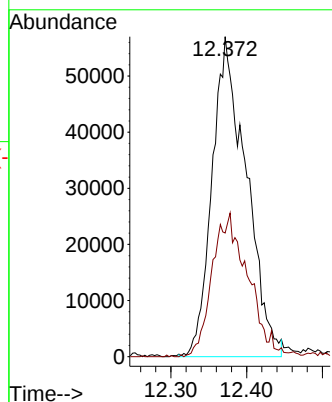
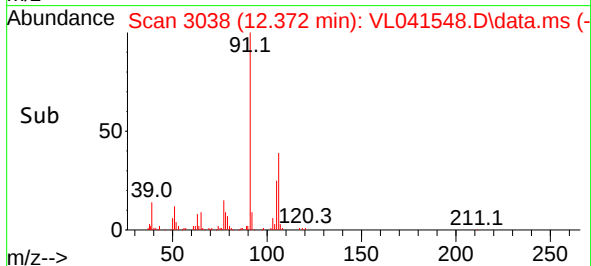
Instrument :
MSVOA_L
ClientSampleId :
OA1



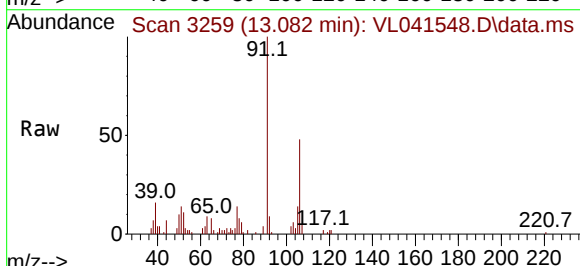
Tgt Ion: 91 Resp: 178020
Ion Ratio Lower Upper
91 100
106 0.0 36.3 54.5

Manual Integrations
APPROVED

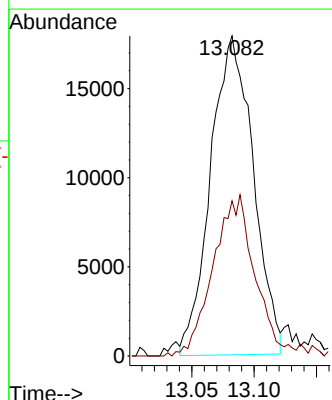
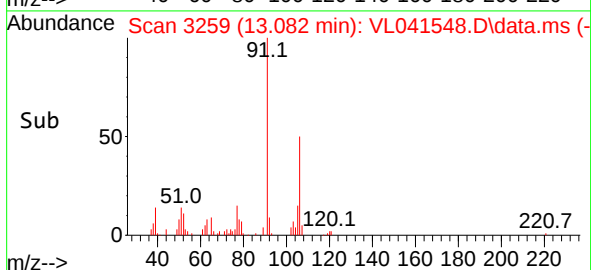
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024

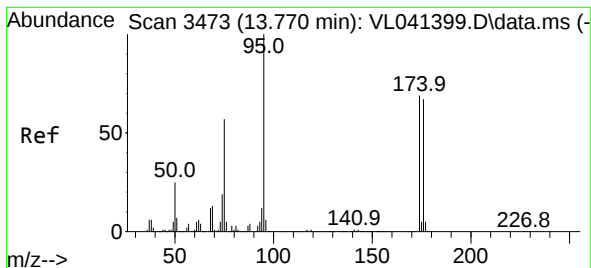


#60
o-Xylene
Concen: 0.202 ppbv
RT: 13.082 min Scan# 3259
Delta R.T. 0.003 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56



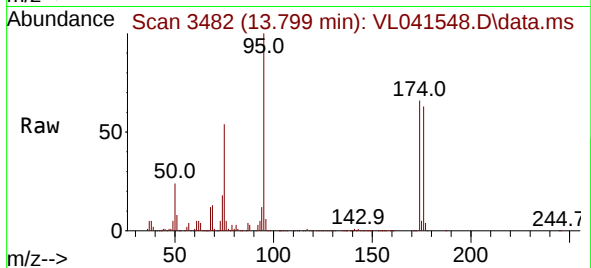
Tgt Ion: 91 Resp: 42620
Ion Ratio Lower Upper
91 100
106 51.2 23.1 69.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.926 ppbv
RT: 13.799 min Scan# 3473
Delta R.T. 0.000 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56

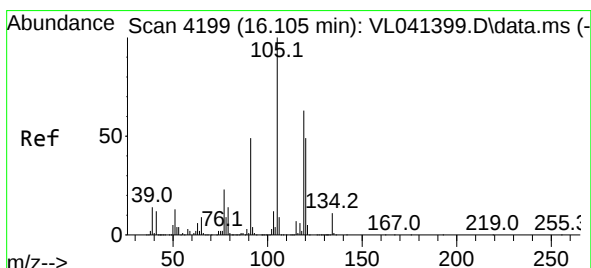
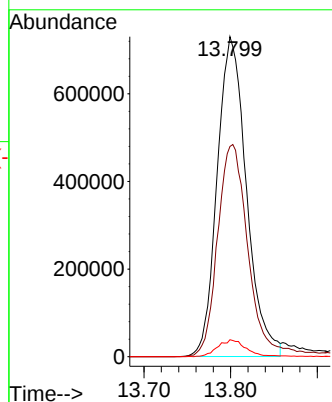
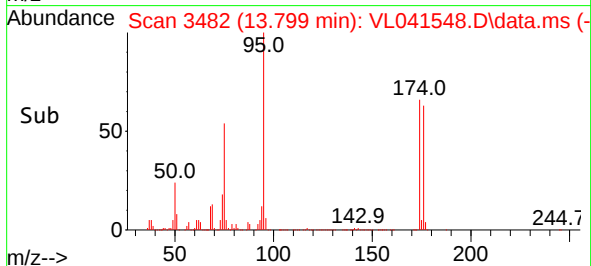
Instrument :
MSVOA_L
ClientSampleId :
OA1



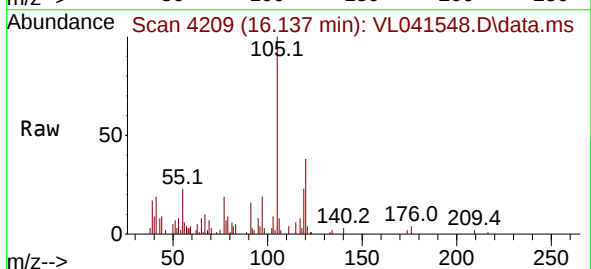
Tgt Ion: 95 Resp: 1716409
Ion Ratio Lower Upper
95 100
174 71.1 56.3 84.5
175 5.4 4.0 6.0

Manual Integrations
APPROVED

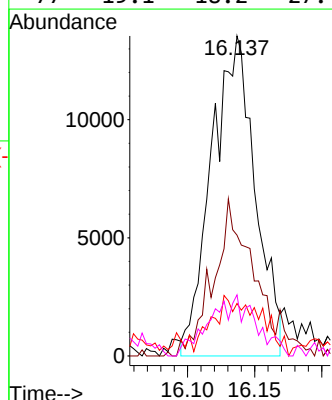
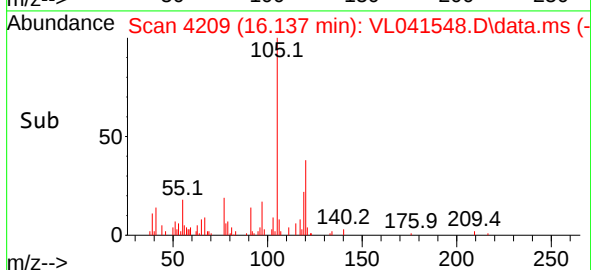
Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024

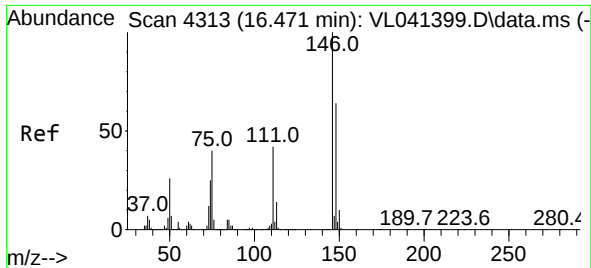


#74
1,2,4-Trimethylbenzene
Concen: 0.123 ppbv m
RT: 16.137 min Scan# 4209
Delta R.T. 0.010 min
Lab File: VL041548.D
Acq: 19 Aug 2024 14:56



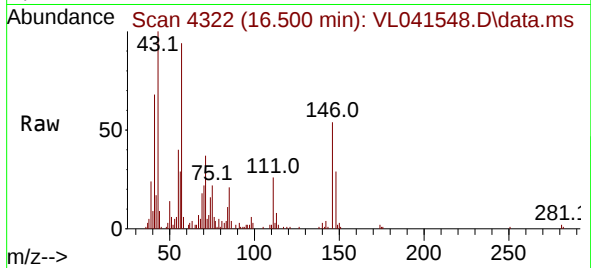
Tgt Ion:105 Resp: 30682
Ion Ratio Lower Upper
105 100
120 37.8 39.5 59.3#
91 16.4 39.8 59.8#
77 19.1 18.2 27.4





#76
 1,4-Dichlorobenzene
 Concen: 0.160 ppbv m
 RT: 16.500 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VL041548.D
 Acq: 19 Aug 2024 14:56

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion	Ratio	Lower	Upper
146	100		
111	59.9	22.4	67.0
148	71.7	33.1	99.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/20/2024
 Supervised By :Mahesh Dadoda 08/20/2024

