

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042324\
 Data File : VL041158.D
 Acq On : 23 Apr 2024 13:21
 Operator : SY/MD
 Sample : P2222-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

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

Quant Time: Apr 24 02:51:46 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	5.192	49	1111151	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2762708	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2464504	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1912091	9.648	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	64645	0.340	ppbv	91
3) Chlorodifluoromethane	2.681	51	60151m	0.351	ppbv	
4) Chloromethane	2.822	50	57289	0.885	ppbv	98
9) Propene	2.710	41	58775	1.080	ppbv #	68
11) Trichlorofluoromethane	3.568	101	41275	0.239	ppbv	97
13) Ethanol	3.243	45	183828	14.196	ppbv	97
15) Acetone	3.472	43	1174162	9.759	ppbv	99
20) Methylene Chloride	3.935	84	1689001	34.037	ppbv	96
26) Hexane	5.211	57	2755758	27.181	ppbv #	40
34) 2-Butanone	4.796	43	121886m	1.043	ppbv	
35) Carbon Tetrachloride	6.491	117	11641m	0.074	ppbv	
36) Benzene	6.365	78	34128	0.168	ppbv #	78
44) 2,2,4-Trimethylpentane	7.324	57	41715m	0.124	ppbv	
52) Tetrachloroethene	10.610	164	2088m	0.032	ppbv	
53) Toluene	9.221	91	39172m	0.183	ppbv	
59) m/p-Xylene	12.346	91	26790m	0.110	ppbv	

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

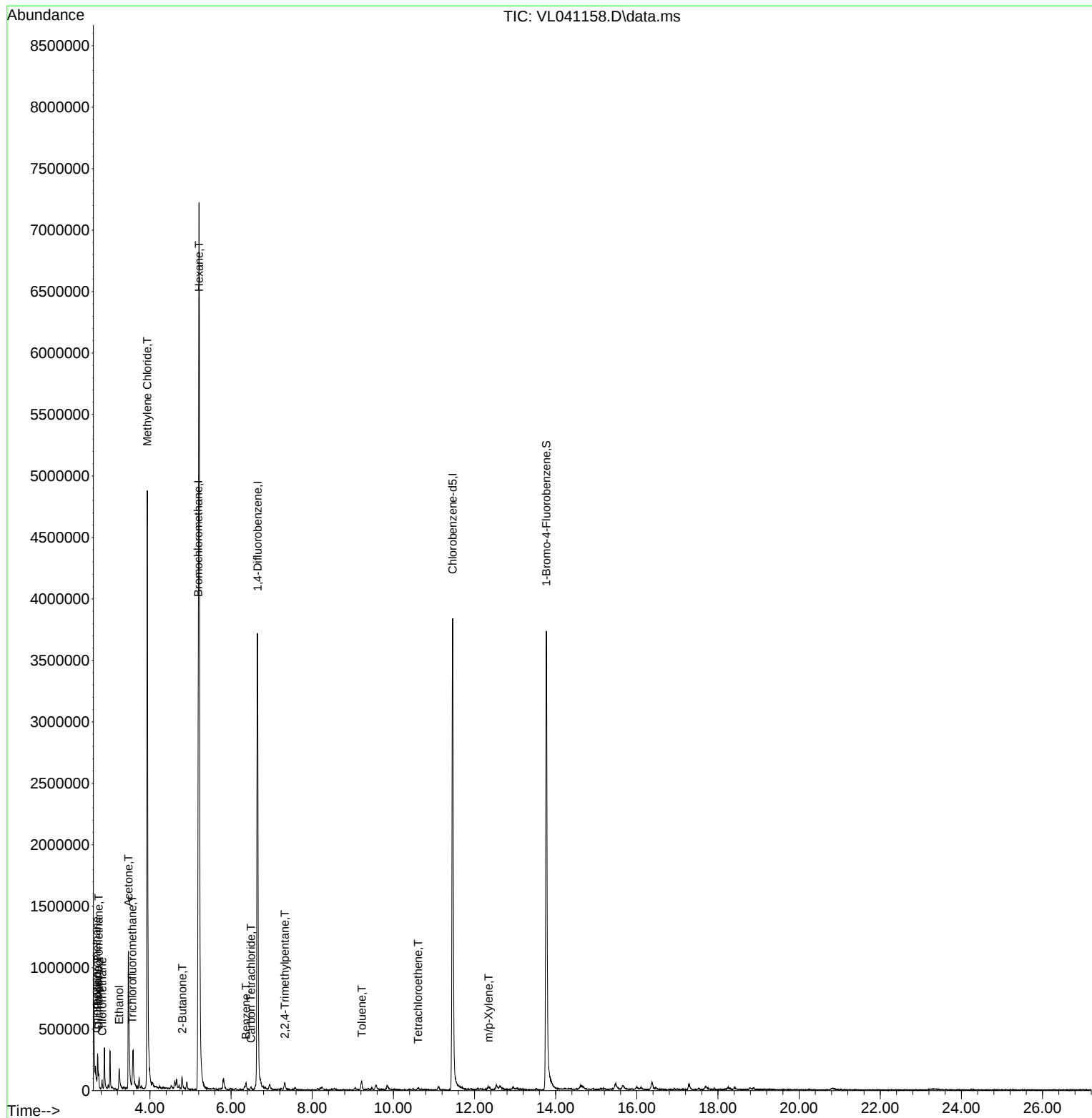
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042324\
Data File : VL041158.D
Acq On : 23 Apr 2024 13:21
Operator : SY/MD
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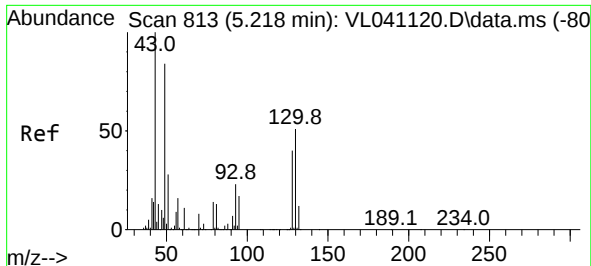
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Apr 24 02:51:46 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

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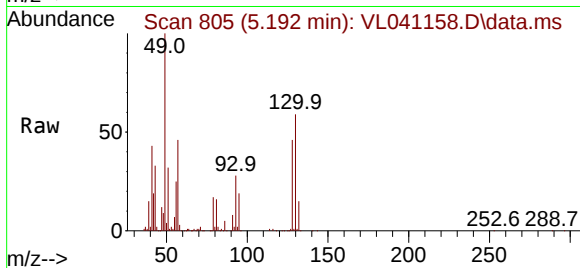
Reviewed By : Semsettin Yesilyurt 04/24/2024
Supervised By : Mahesh Dadoda 04/24/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041158.D
Acq: 23 Apr 2024 13:21

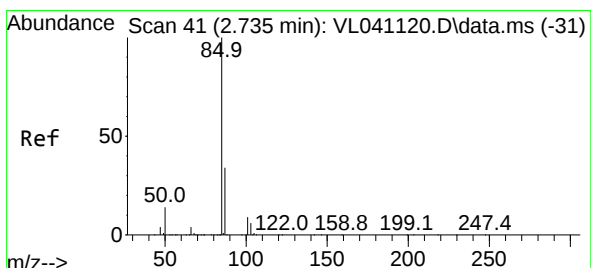
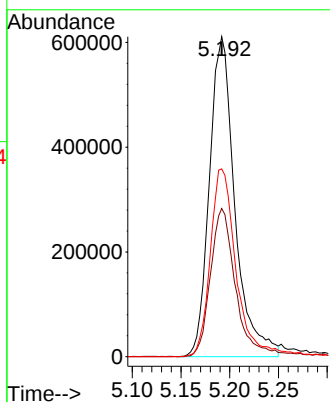
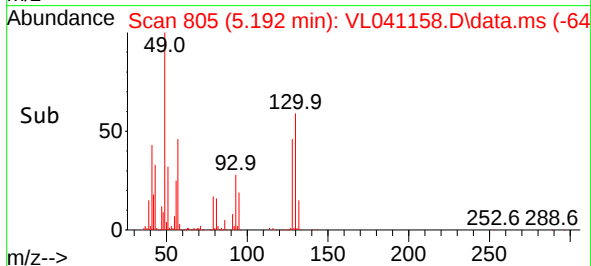
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 111115
Ion Ratio Lower Upper
49 100
128 47.0 23.6 71.0
130 61.4 30.1 90.5

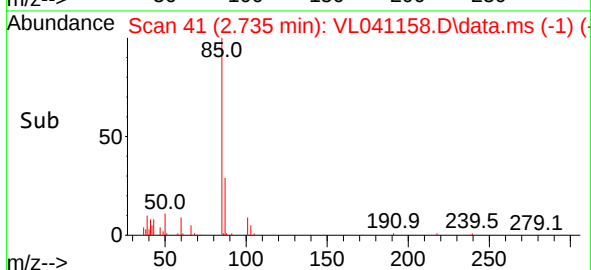
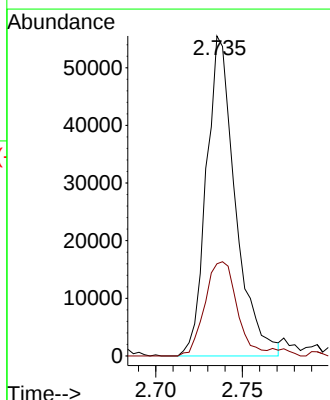
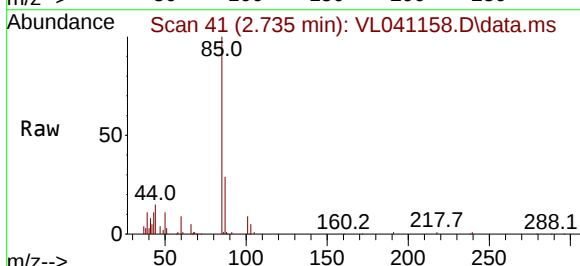
Manual Integrations
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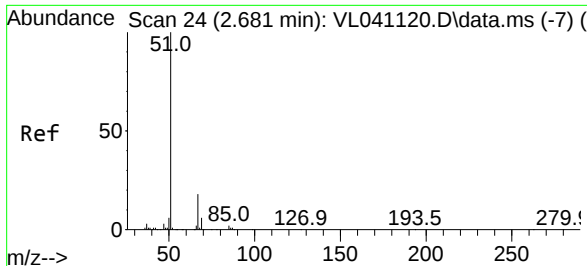
Reviewed By :Semsettin Yesilyurt 04/24/2024
Supervised By :Mahesh Dadoda 04/24/2024



#2
Dichlorodifluoromethane
Concen: 0.340 ppbv
RT: 2.735 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041158.D
Acq: 23 Apr 2024 13:21

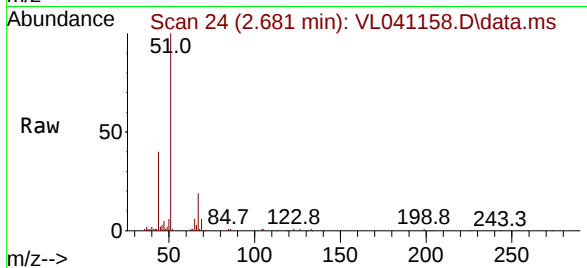
Tgt Ion: 85 Resp: 64645
Ion Ratio Lower Upper
85 100
87 28.8 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.351 ppbv m
RT: 2.681 min Scan# 24
Delta R.T. -0.000 min
Lab File: VL041158.D
Acq: 23 Apr 2024 13:21

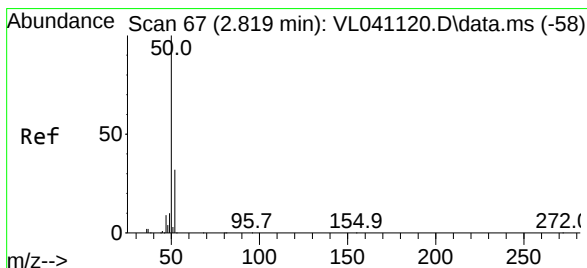
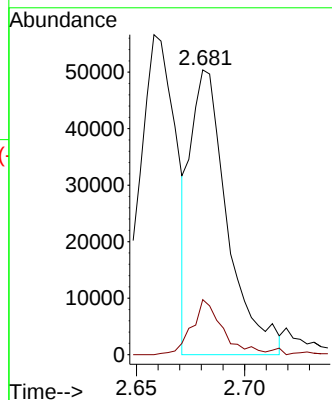
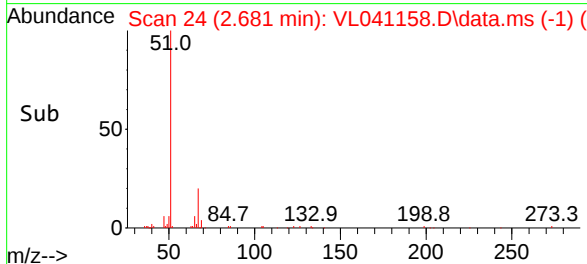
Instrument :
MSVOA_L
ClientSampleId :
OA1



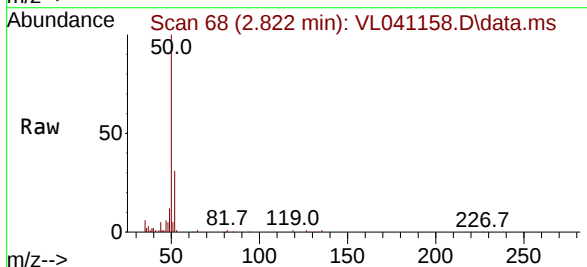
Tgt Ion: 51 Resp: 6015
Ion Ratio Lower Upper
51 100
67 17.0 14.9 22.3

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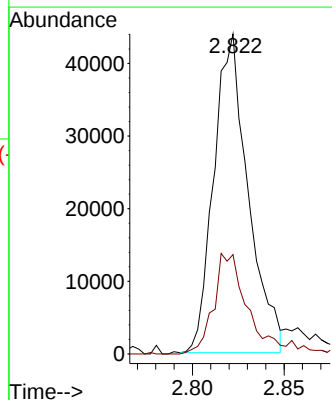
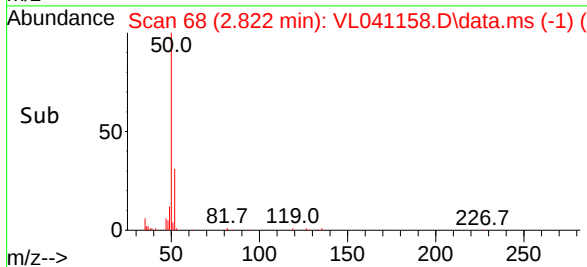
Reviewed By :Semsettin Yesilyurt 04/24/2024
Supervised By :Mahesh Dadoda 04/24/2024

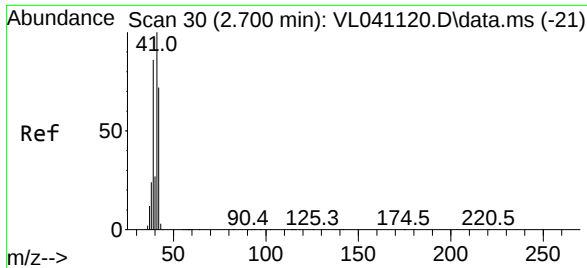


#4
Chloromethane
Concen: 0.885 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.003 min
Lab File: VL041158.D
Acq: 23 Apr 2024 13:21



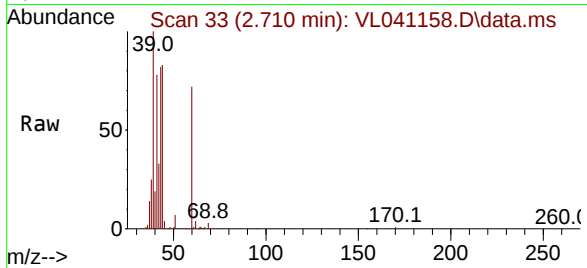
Tgt Ion: 50 Resp: 57289
Ion Ratio Lower Upper
50 100
52 31.2 26.0 39.0





#9
Propene
Concen: 1.080 ppbv
RT: 2.710 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL041158.D
Acq: 23 Apr 2024 13:21

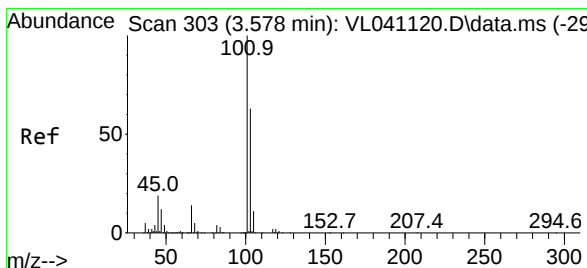
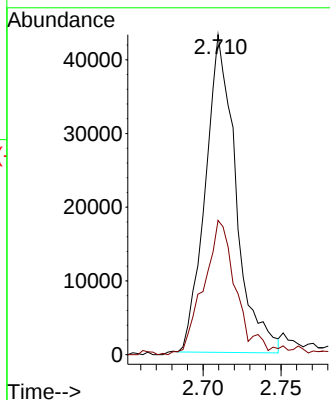
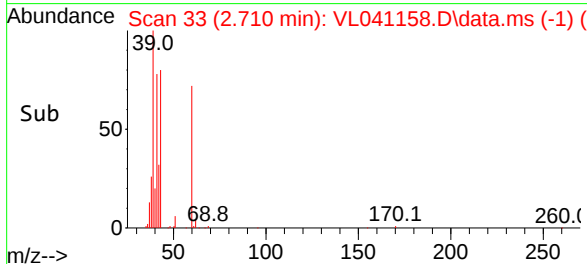
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 41 Resp: 58775
Ion Ratio Lower Upper
41 100
42 48.1 60.1 90.1

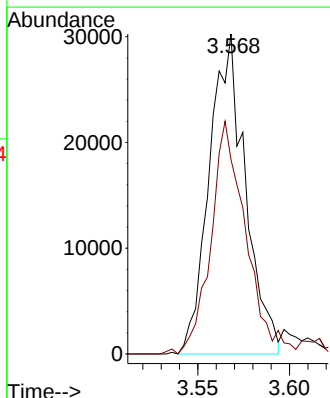
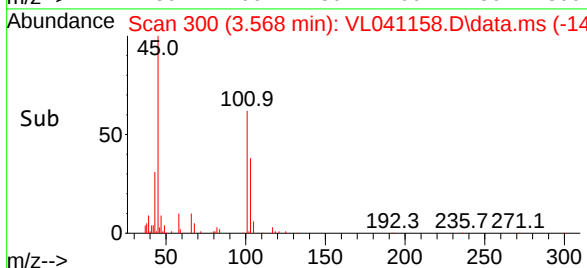
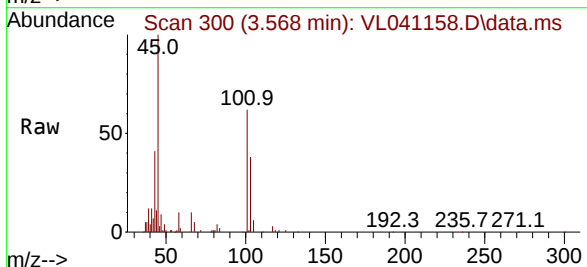
Manual Integrations
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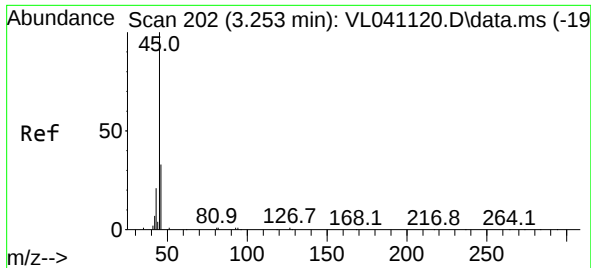
Reviewed By :Semsettin Yesilyurt 04/24/2024
Supervised By :Mahesh Dadoda 04/24/2024



#11
Trichlorofluoromethane
Concen: 0.239 ppbv
RT: 3.568 min Scan# 300
Delta R.T. 0.006 min
Lab File: VL041158.D
Acq: 23 Apr 2024 13:21

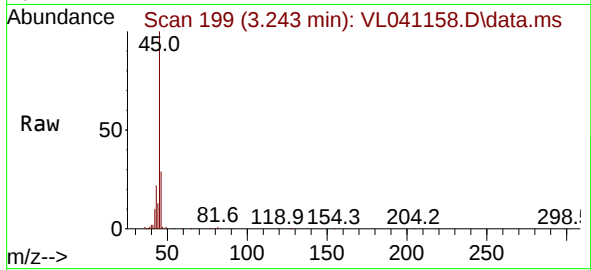
Tgt Ion:101 Resp: 41275
Ion Ratio Lower Upper
101 100
103 60.7 50.6 75.8





#13
Ethanol
Concen: 14.196 ppbv
RT: 3.243 min Scan# 199
Delta R.T. -0.000 min
Lab File: VL041158.D
Acq: 23 Apr 2024 13:21

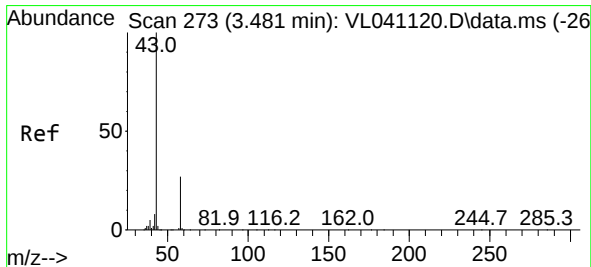
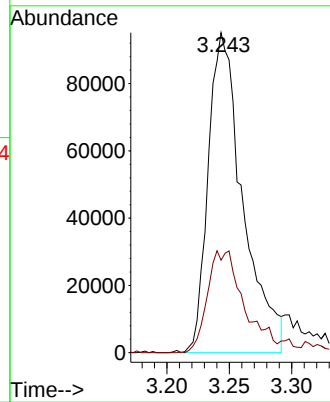
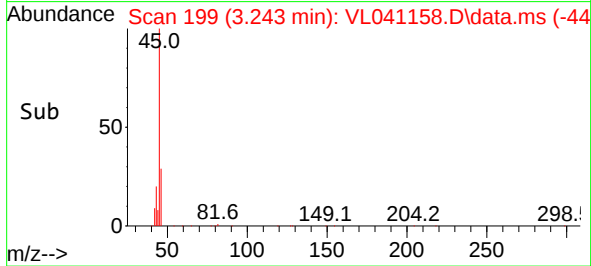
Instrument :
MSVOA_L
ClientSampleId :
OA1



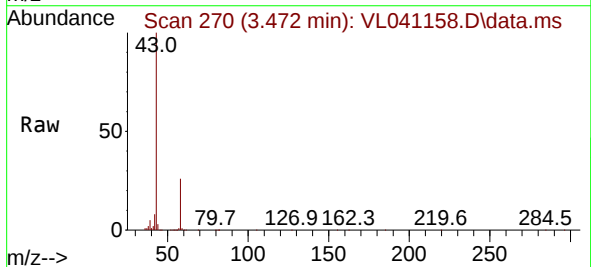
Tgt Ion: 45 Resp: 183828
Ion Ratio Lower Upper
45 100
46 39.3 15.0 59.8

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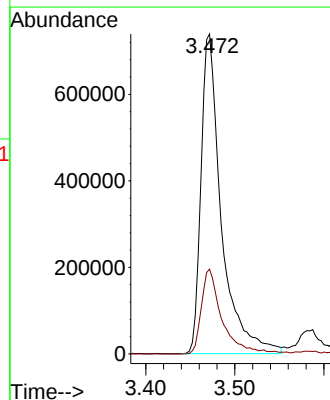
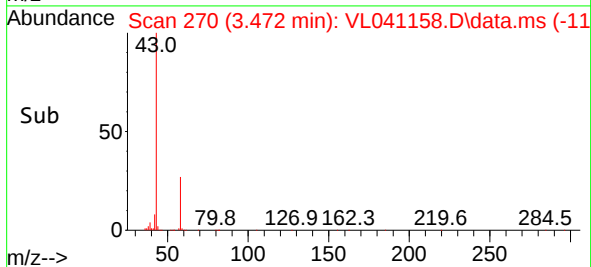
Reviewed By :Semsettin Yesilyurt 04/24/2024
Supervised By :Mahesh Dadoda 04/24/2024

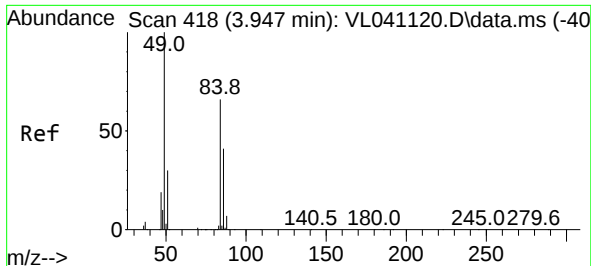


#15
Acetone
Concen: 9.759 ppbv
RT: 3.472 min Scan# 270
Delta R.T. 0.003 min
Lab File: VL041158.D
Acq: 23 Apr 2024 13:21



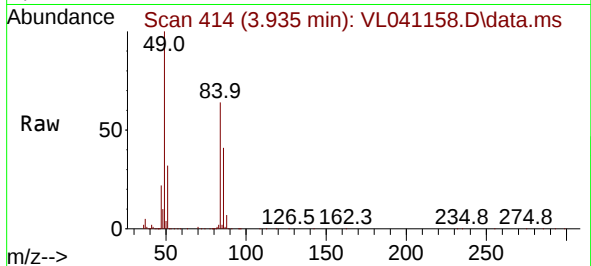
Tgt Ion: 43 Resp: 1174162
Ion Ratio Lower Upper
43 100
58 26.9 21.1 31.7





#20
Methylene Chloride
Concen: 34.037 ppbv
RT: 3.935 min Scan# 418
Delta R.T. 0.003 min
Lab File: VL041158.D
Acq: 23 Apr 2024 13:21

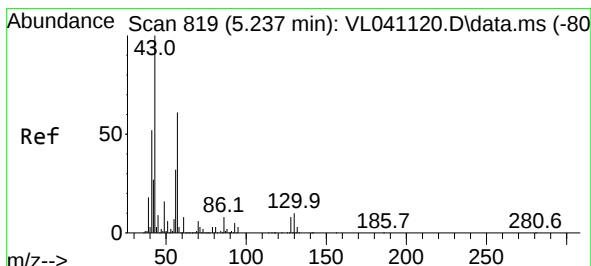
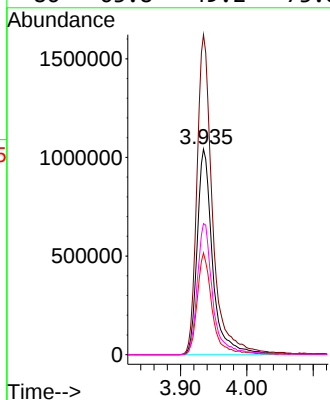
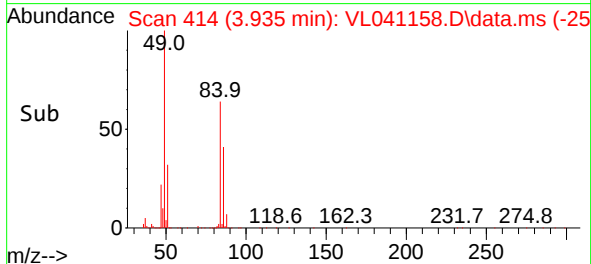
Instrument :
MSVOA_L
ClientSampleId :
OA1



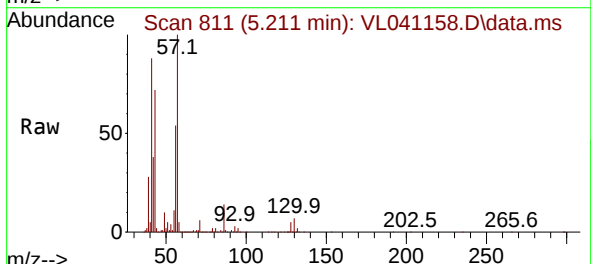
Tgt Ion: 84 Resp: 1689000
Ion Ratio Lower Upper
84 100
49 155.6 120.7 181.1
51 49.5 36.6 54.8
86 63.8 49.2 73.8

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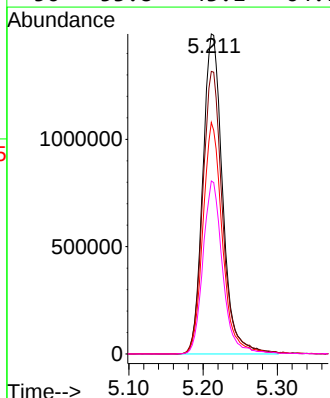
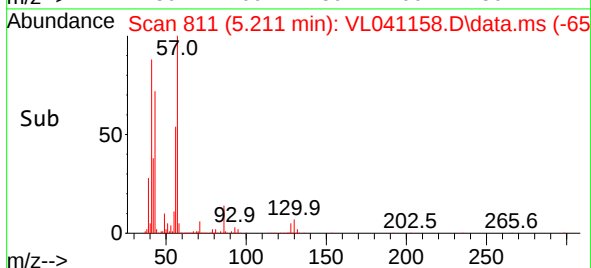
Reviewed By :Semsettin Yesilyurt 04/24/2024
Supervised By :Mahesh Dadoda 04/24/2024

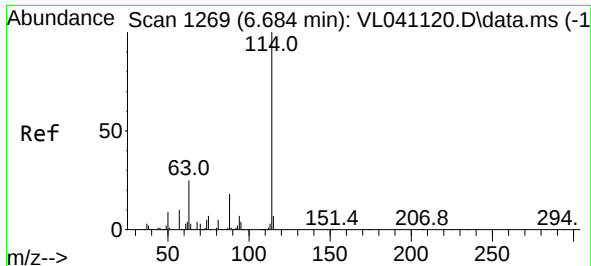


#26
Hexane
Concen: 27.181 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL041158.D
Acq: 23 Apr 2024 13:21



Tgt Ion: 57 Resp: 2755758
Ion Ratio Lower Upper
57 100
41 89.6 73.8 110.8
43 71.3 186.2 279.2#
56 53.8 43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 114

Delta R.T. 0.006 min

Lab File: VL041158.D

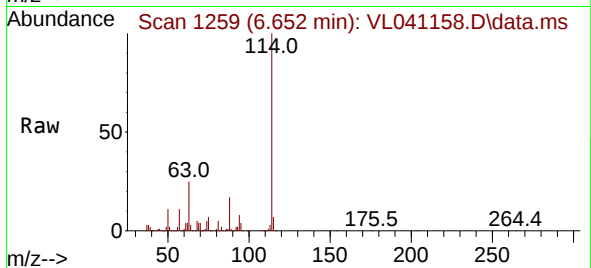
Acq: 23 Apr 2024 13:21

Instrument :

MSVOA_L

ClientSampleId :

OA1



Tgt Ion:114 Resp: 2762708

Ion Ratio Lower Upper

114 100

63 25.7 20.9 31.3

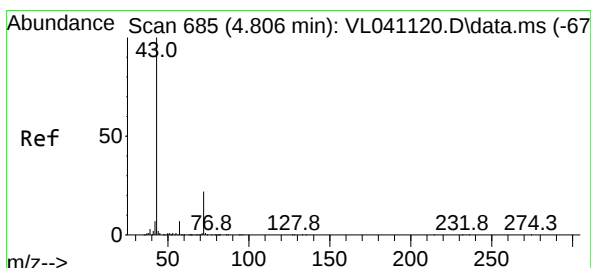
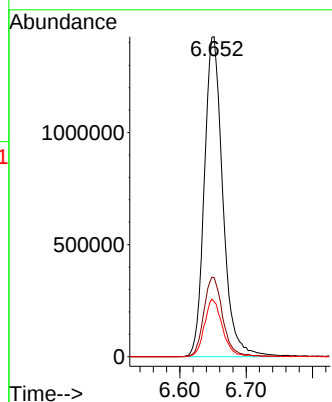
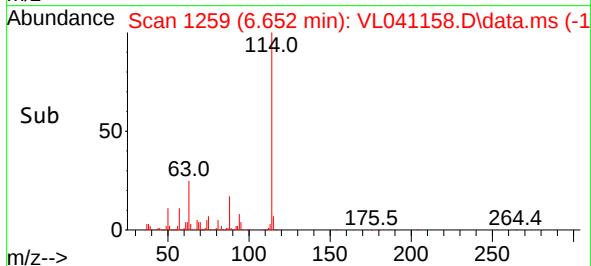
88 17.7 14.5 21.7

Manual Integrations

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Supervised By :Mahesh Dadoda 04/24/2024



#34

2-Butanone

Concen: 1.043 ppbv m

RT: 4.796 min Scan# 682

Delta R.T. 0.016 min

Lab File: VL041158.D

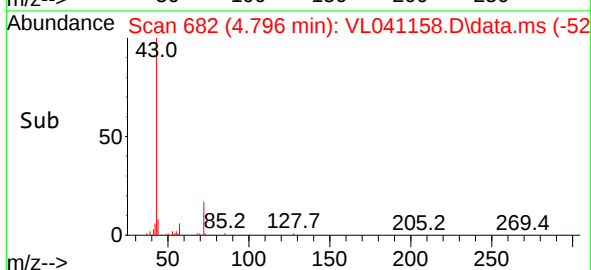
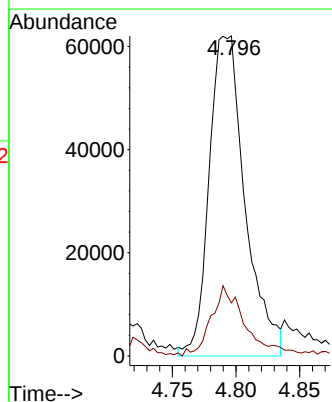
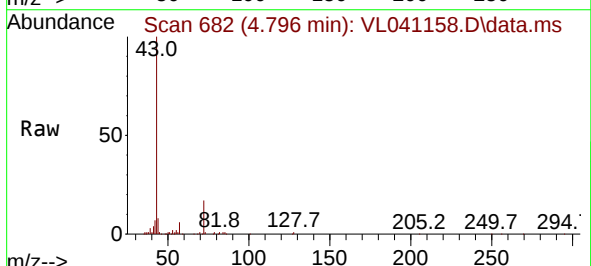
Acq: 23 Apr 2024 13:21

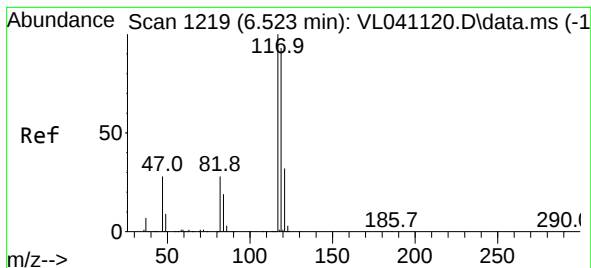
Tgt Ion: 43 Resp: 121886

Ion Ratio Lower Upper

43 100

72 21.3 17.6 26.4





#35

Carbon Tetrachloride

Concen: 0.074 ppbv m

RT: 6.491 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL041158.D

Acq: 23 Apr 2024 13:21

Instrument :

MSVOA_L

ClientSampleId :

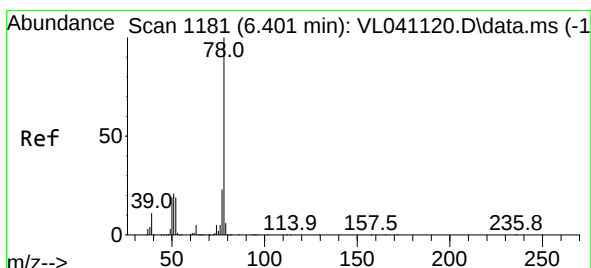
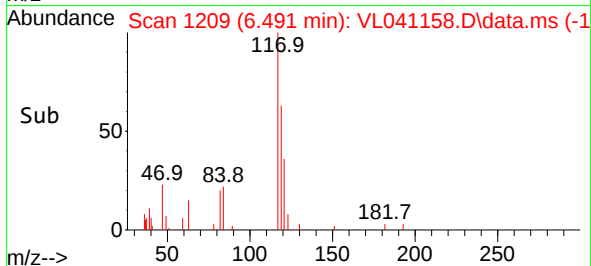
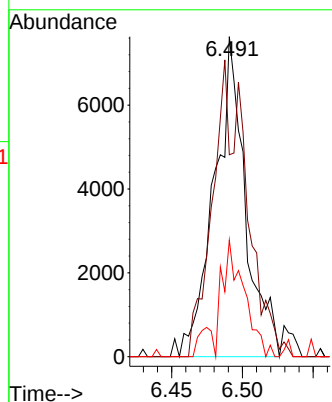
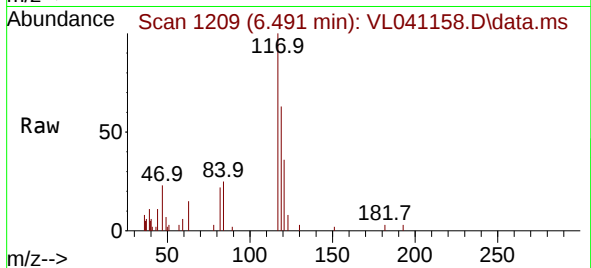
OA1

Tgt Ion:	117	Resp:	1164
Ion Ratio	Lower	Upper	
117	100		
119	63.1	74.2	111.4#
121	36.5	25.4	38.2

Manual Integrations

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#36

Benzene

Concen: 0.168 ppbv

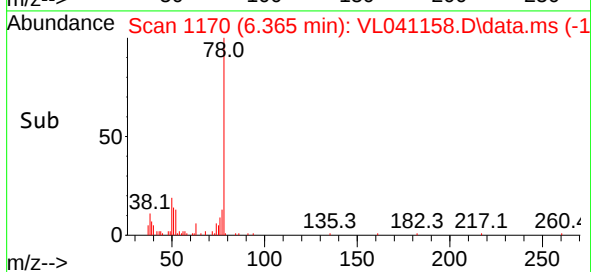
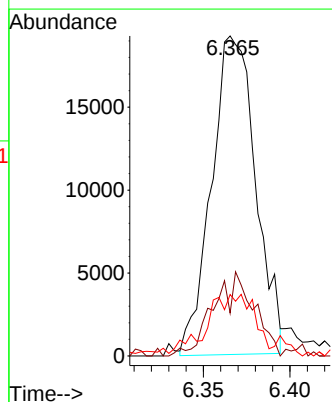
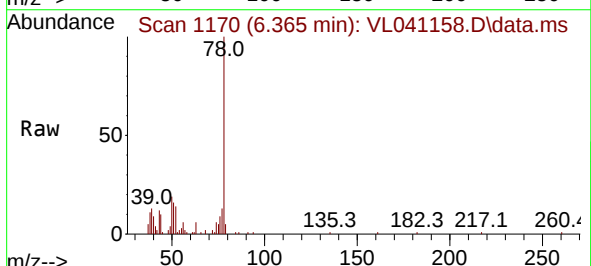
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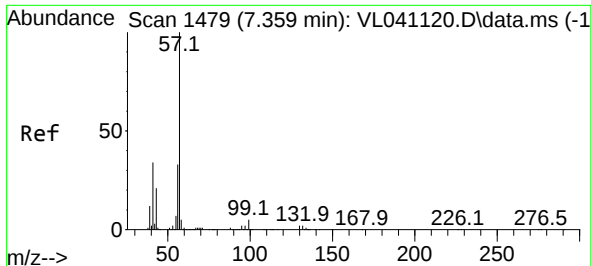
Delta R.T. 0.003 min

Lab File: VL041158.D

Acq: 23 Apr 2024 13:21

Tgt Ion:	78	Resp:	34128
Ion Ratio	Lower	Upper	
78	100		
77	13.6	18.2	27.4#
50	31.2	15.4	23.2#





#44

2,2,4-Trimethylpentane

Concen: 0.124 ppbv m

RT: 7.324 min Scan# 1479

Delta R.T. 0.003 min

Lab File: VL041158.D

Acq: 23 Apr 2024 13:21

Instrument :

MSVOA_L

ClientSampleId :

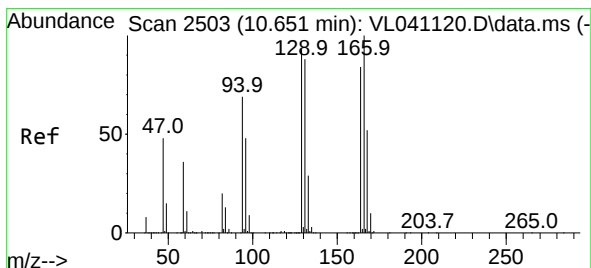
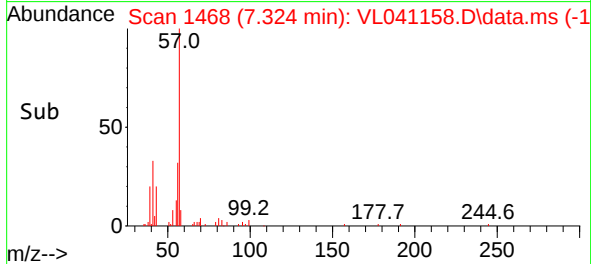
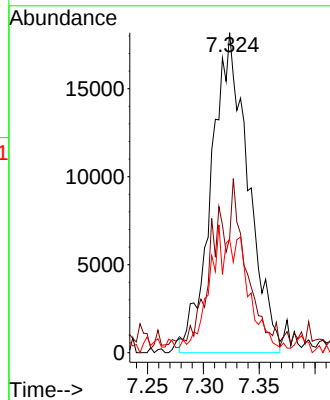
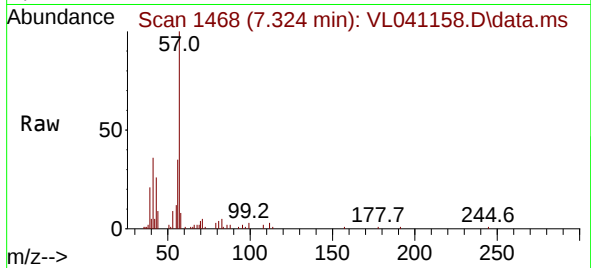
OA1

Tgt Ion: 57	Resp: 4171
Ion Ratio	Lower Upper
57 100	
41 0.0	28.2 42.2
56 0.0	25.2 37.8

Manual Integrations

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



#52

Tetrachloroethene

Concen: 0.032 ppbv m

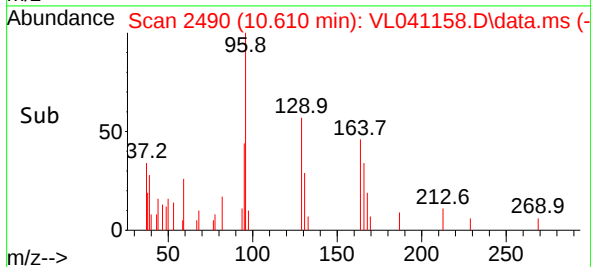
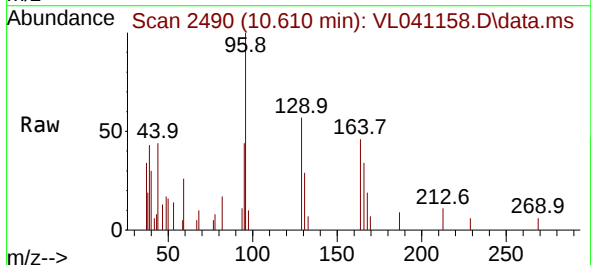
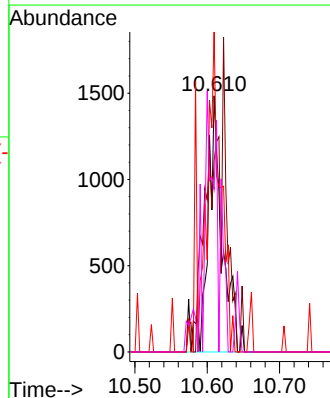
RT: 10.610 min Scan# 2490

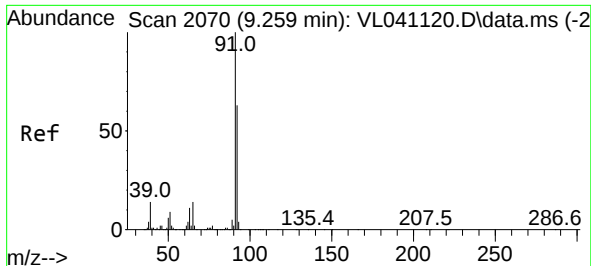
Delta R.T. 0.003 min

Lab File: VL041158.D

Acq: 23 Apr 2024 13:21

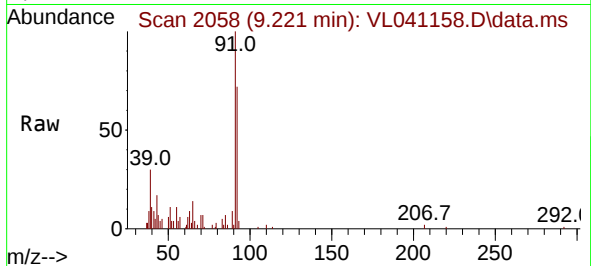
Tgt Ion: 164	Resp: 2088
Ion Ratio	Lower Upper
164 100	
166 74.7	95.0 142.6
129 124.9	88.7 133.1
131 63.5	83.2 124.8





#53
Toluene
Concen: 0.183 ppbv m
RT: 9.221 min Scan# 2070
Delta R.T. 0.010 min
Lab File: VL041158.D
Acq: 23 Apr 2024 13:21

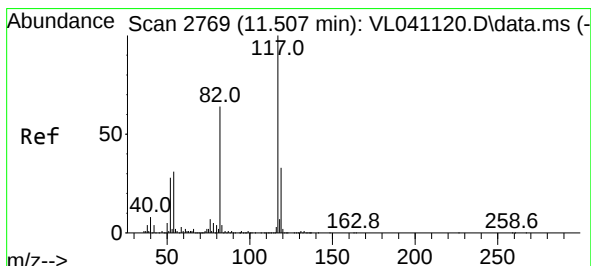
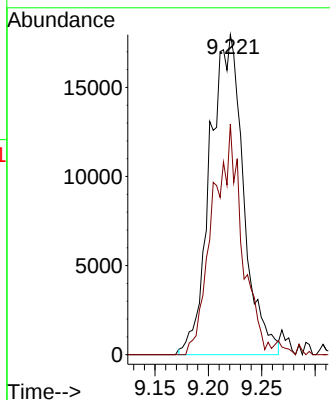
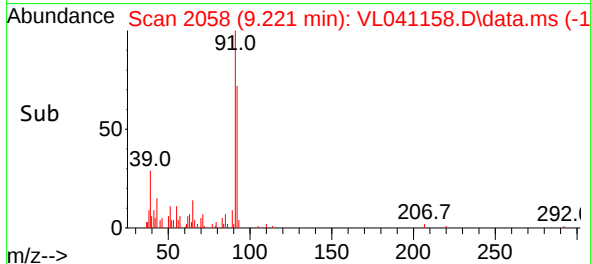
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 91 Resp: 39172
Ion Ratio Lower Upper
91 100
92 65.1 49.0 73.4

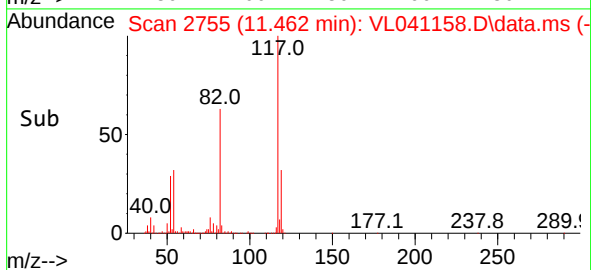
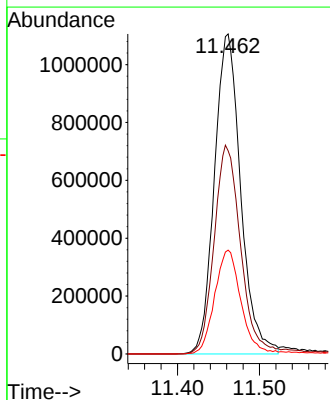
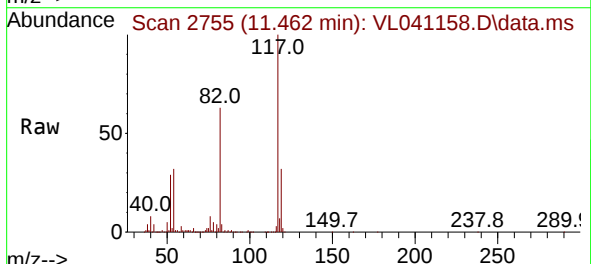
Manual Integrations
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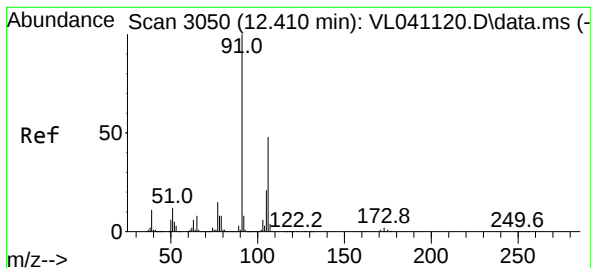
Reviewed By :Semsettin Yesilyurt 04/24/2024
Supervised By :Mahesh Dadoda 04/24/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. 0.006 min
Lab File: VL041158.D
Acq: 23 Apr 2024 13:21

Tgt Ion:117 Resp: 2464504
Ion Ratio Lower Upper
117 100
82 67.2 51.0 76.6
119 33.6 25.2 37.8





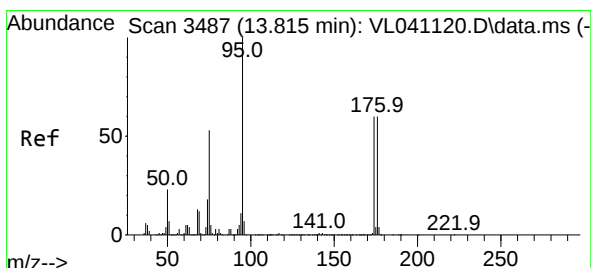
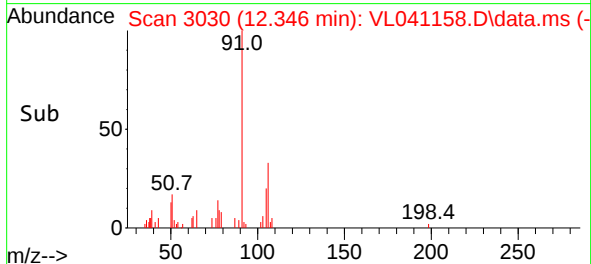
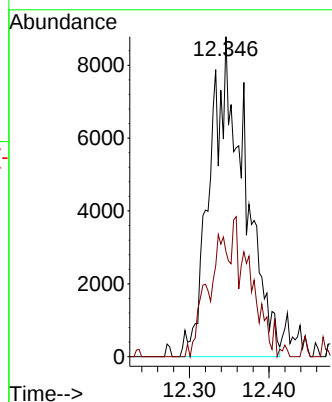
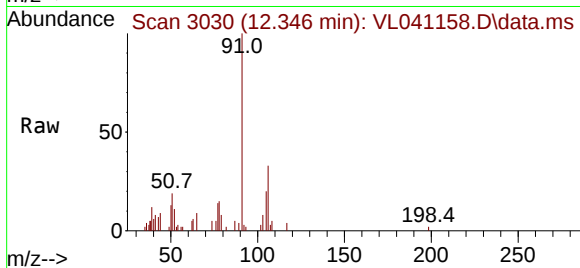
#59
m/p-Xylene
Concen: 0.110 ppbv m
RT: 12.346 min Scan# 3050
Delta R.T. -0.016 min
Lab File: VL041158.D
Acq: 23 Apr 2024 13:21

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 26790
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 9.648 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. 0.006 min
Lab File: VL041158.D
Acq: 23 Apr 2024 13:21

Tgt Ion: 95 Resp: 1912091
Ion Ratio Lower Upper
95 100
174 61.9 49.3 73.9
175 4.6 3.6 5.4

