

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041443.D
 Acq On : 30 Jul 2024 00:30
 Operator : SY/MD
 Sample : P3342-07DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-IA-03DDL

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024
 Supervised By :Semsettin Yesilyurt 07/30/2024

Quant Time: Jul 30 02:56:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jul 30 02:42:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1121284	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.655	114	3012636	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2747809	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2126201	10.055	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%
Target Compounds						
						Qvalue
10) Heptane	7.584	43	37036m	0.269	ppbv	
13) Ethanol	3.240	45	217680m	39.718	ppbv	
15) Acetone	3.475	43	128360m	1.008	ppbv	
19) Isopropyl Alcohol	3.587	45	224837	3.019	ppbv	99
20) Methylene Chloride	3.938	84	82720	1.741	ppbv	98
26) Hexane	5.211	57	198526	1.891	ppbv #	49
30) Cyclohexane	6.603	84	13584m	0.159	ppbv	
34) 2-Butanone	4.799	43	29513	0.203	ppbv	92
36) Benzene	6.375	78	79316	0.360	ppbv #	93
44) 2,2,4-Trimethylpentane	7.330	57	97231	0.264	ppbv #	82
53) Toluene	9.217	91	385631	1.573	ppbv	100
58) Ethyl Benzene	12.092	91	61838	0.195	ppbv	99
59) m/p-Xylene	12.346	91	123493m	0.452	ppbv	
60) o-Xylene	13.056	91	45909m	0.178	ppbv	
61) Styrene	12.899	104	27697m	0.237	ppbv	

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

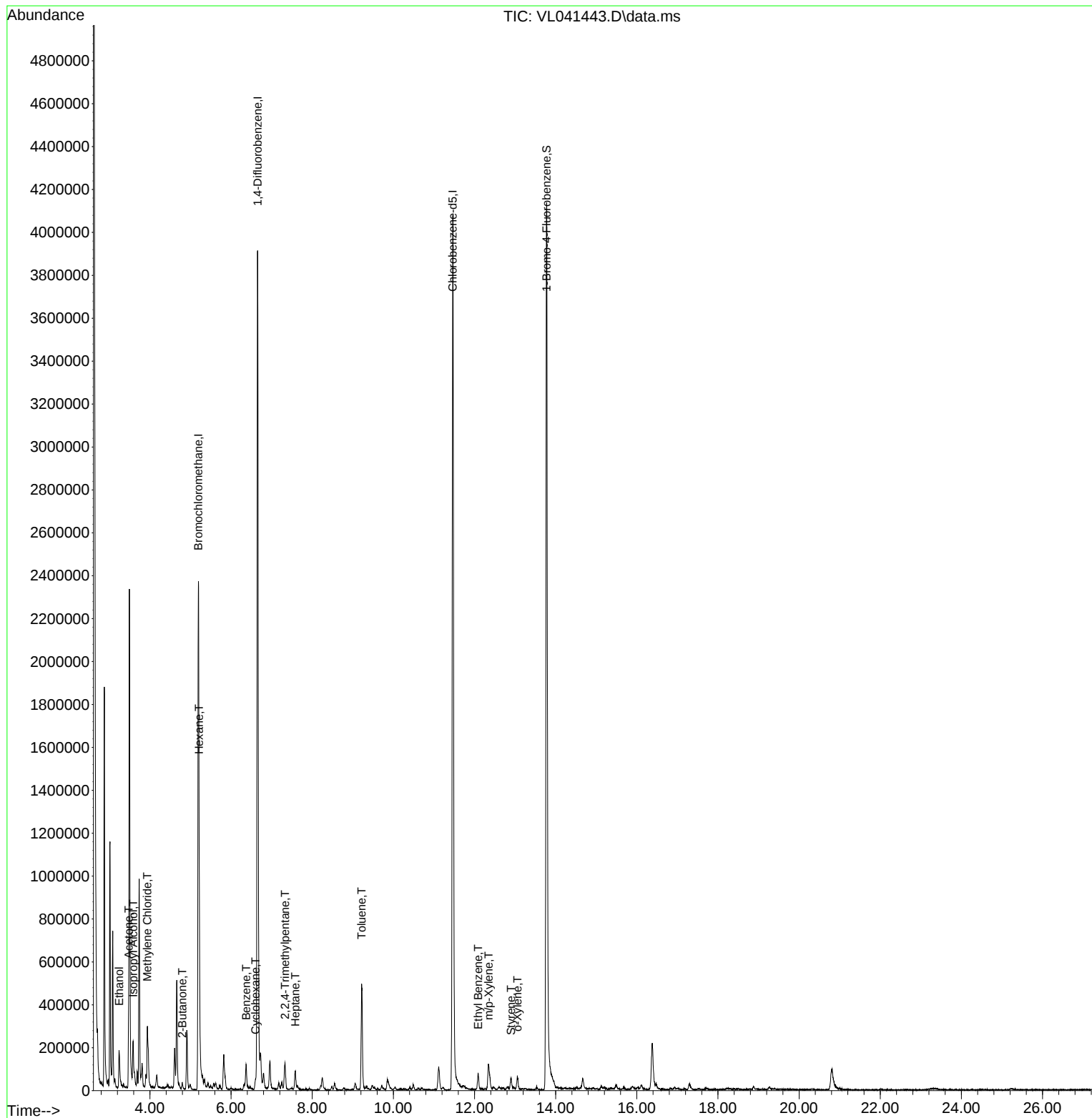
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
Data File : VL041443.D
Acq On : 30 Jul 2024 00:30
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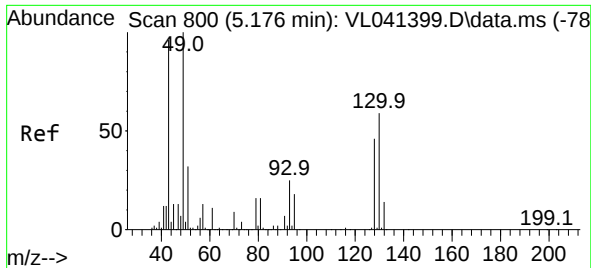
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03DDL

Quant Time: Jul 30 02:56:50 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 Jul 30 02:42:20 2024
Response via : Initial Calibration

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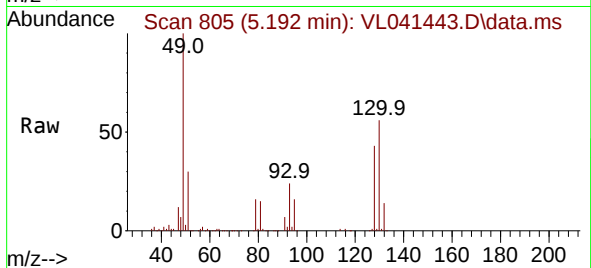
Reviewed By : Mahesh Dadoda 07/30/2024
Supervised By : Semsettin Yesilyurt 07/30/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.013 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

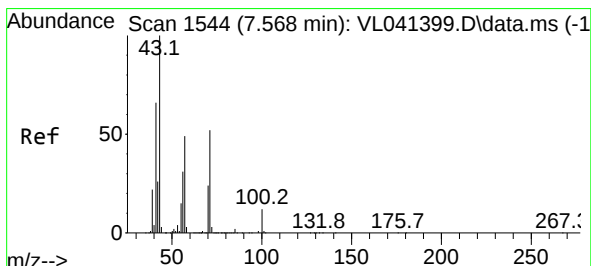
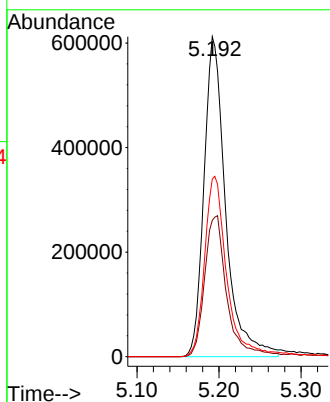
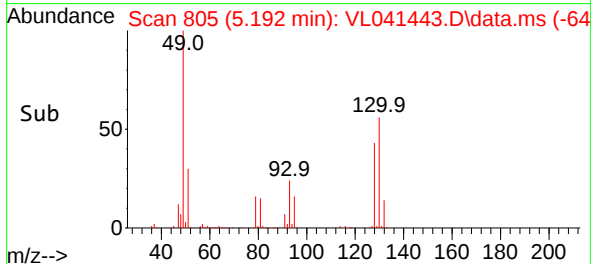
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03DDL



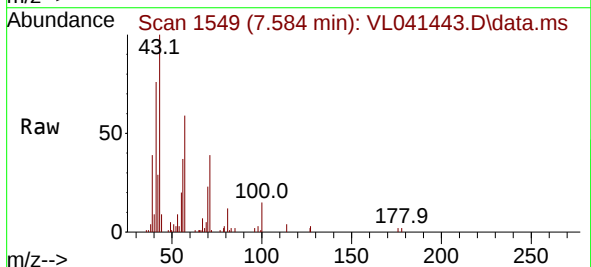
Tgt Ion: 49 Resp: 1121284
Ion Ratio Lower Upper
49 100
128 46.3 23.8 71.4
130 59.0 30.8 92.4

Manual Integrations
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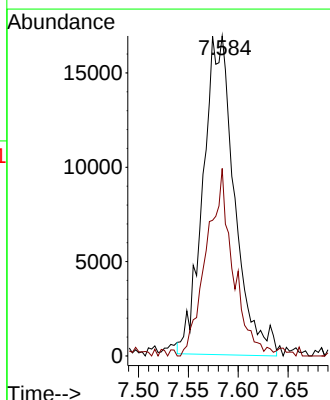
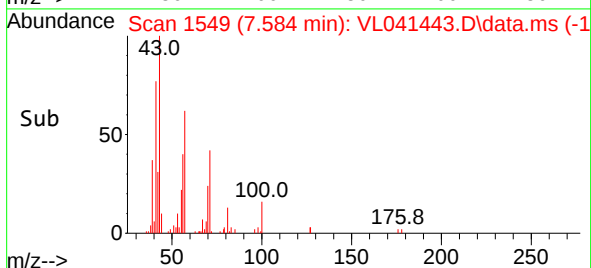
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

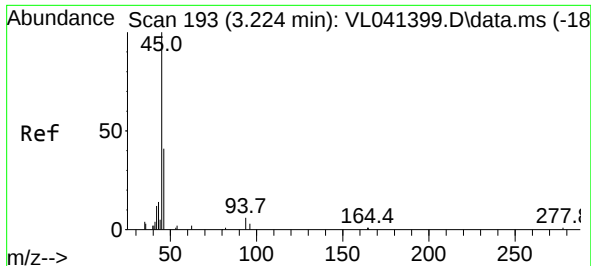


#10
Heptane
Concen: 0.269 ppbv m
RT: 7.584 min Scan# 1549
Delta R.T. 0.013 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30



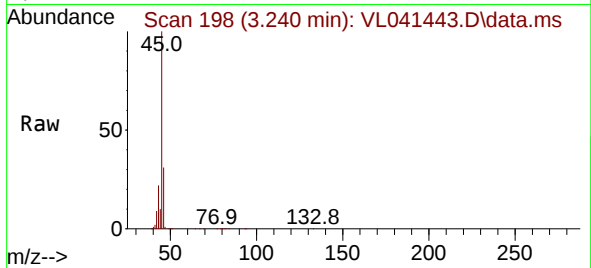
Tgt Ion: 43 Resp: 37036
Ion Ratio Lower Upper
43 100
57 51.9 40.5 60.7





#13
Ethanol
Concen: 39.718 ppbv m
RT: 3.240 min Scan# 198
Delta R.T. 0.013 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

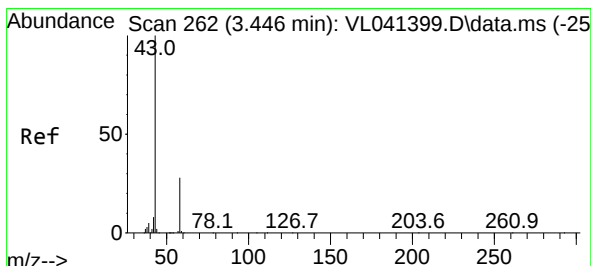
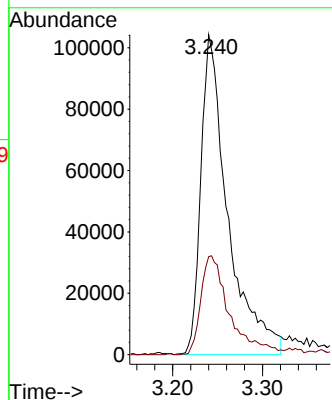
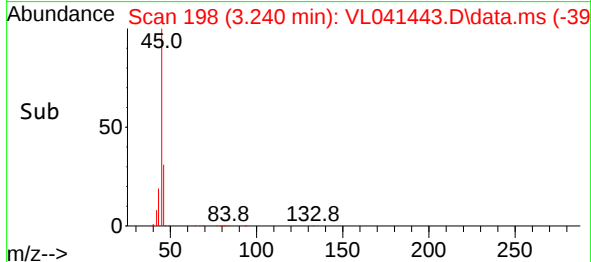
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03DDL



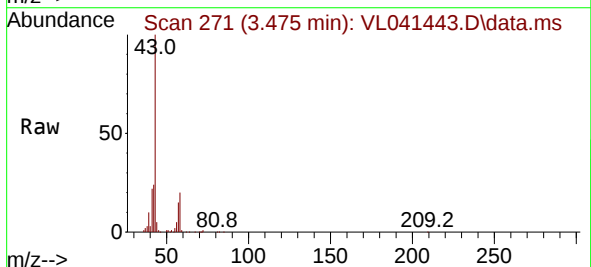
Tgt Ion: 45 Resp: 217680
Ion Ratio Lower Upper
45 100
46 34.8 13.4 53.4

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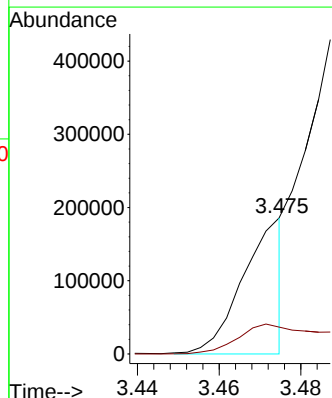
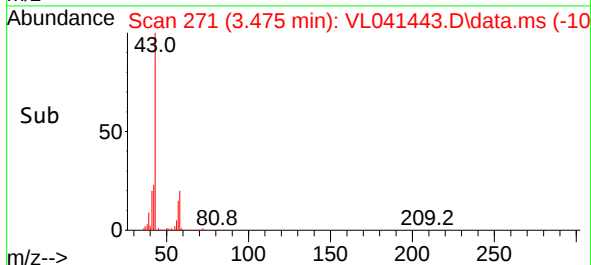
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

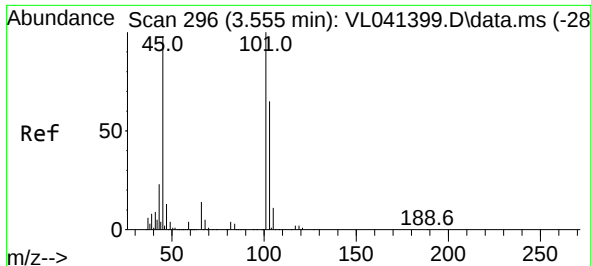


#15
Acetone
Concen: 1.008 ppbv m
RT: 3.475 min Scan# 271
Delta R.T. 0.022 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30



Tgt Ion: 43 Resp: 128360
Ion Ratio Lower Upper
43 100
58 66.4 21.4 32.2#





#19

Isopropyl Alcohol

Concen: 3.019 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.026 min

Lab File: VL041443.D

Acq: 30 Jul 2024 00:30

Instrument :

MSVOA_L

ClientSampleId :

ACVI-IA-03DDL

Tgt Ion: 45 Resp: 22483

Ion Ratio Lower Upper

45 100

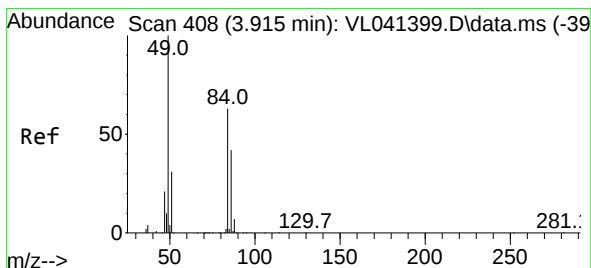
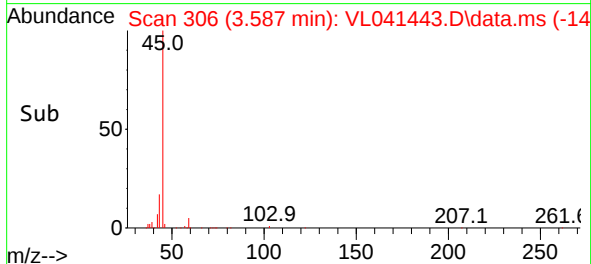
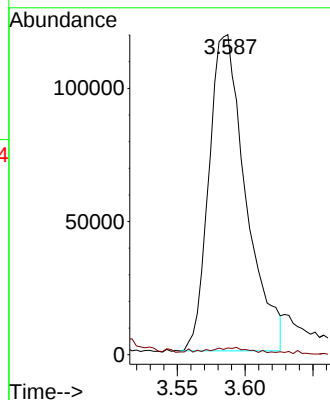
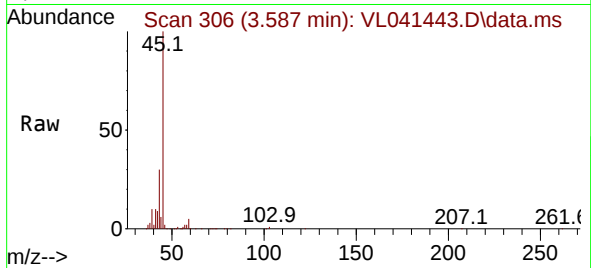
58 2.7 1.9 2.9

Manual Integrations

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Supervised By :Semsettin Yesilyurt 07/30/2024



#20

Methylene Chloride

Concen: 1.741 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.019 min

Lab File: VL041443.D

Acq: 30 Jul 2024 00:30

Tgt Ion: 84 Resp: 82720

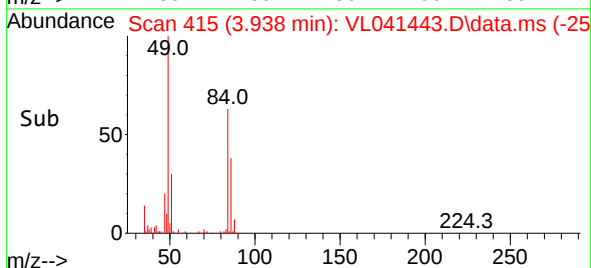
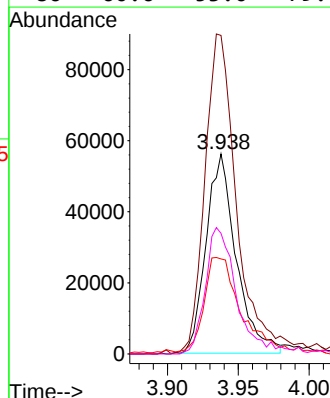
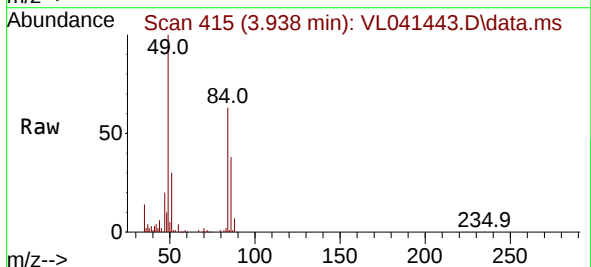
Ion Ratio Lower Upper

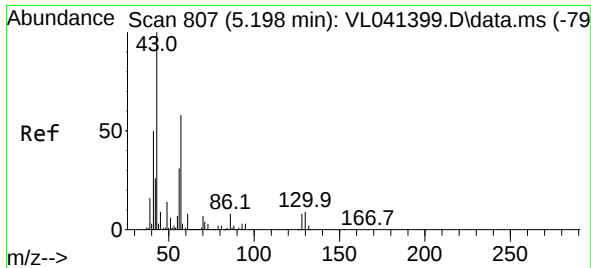
84 100

49 158.8 126.6 190.0

51 46.2 38.6 58.0

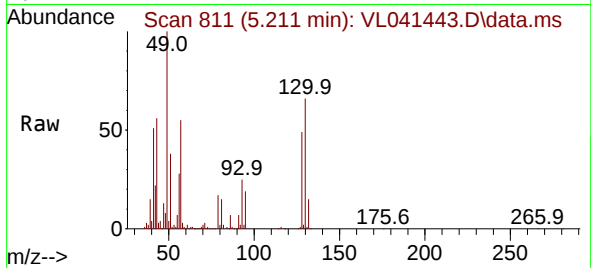
86 60.6 53.0 79.4





#26
Hexane
Concen: 1.891 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

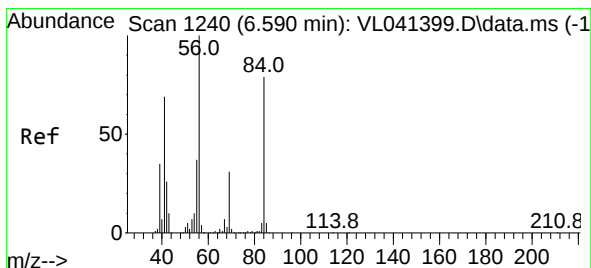
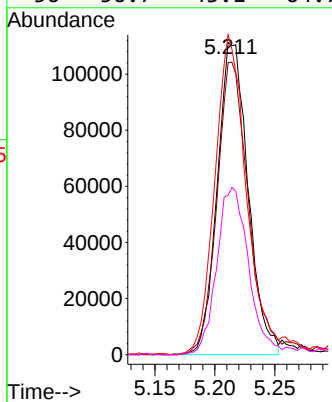
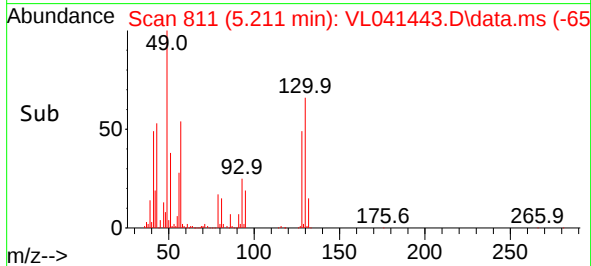
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03DDL



Tgt Ion: 57 Resp: 198520
Ion Ratio Lower Upper
57 100
41 98.3 74.0 111.0
43 108.8 193.6 290.4
56 56.7 43.1 64.7

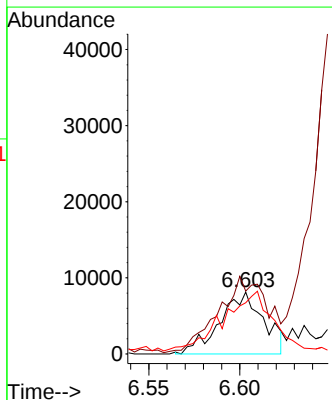
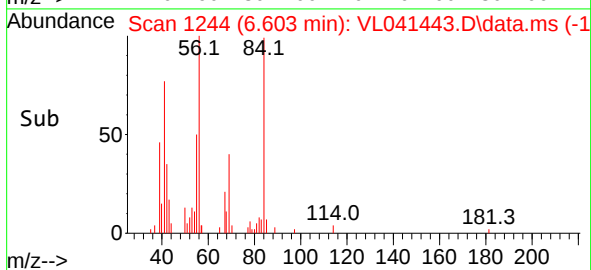
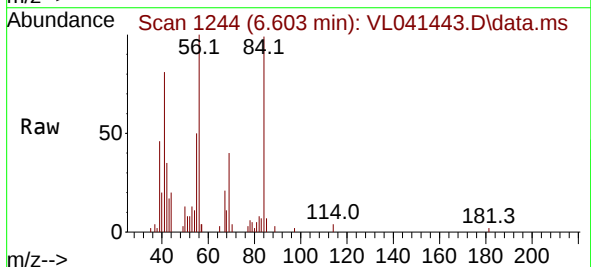
Manual Integrations
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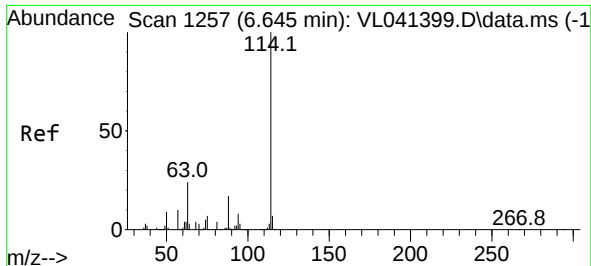
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#30
Cyclohexane
Concen: 0.159 ppbv m
RT: 6.603 min Scan# 1244
Delta R.T. 0.010 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

Tgt Ion: 84 Resp: 13584
Ion Ratio Lower Upper
84 100
56 132.1 111.2 166.8
41 114.5 70.3 105.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. 0.010 min

Lab File: VL041443.D

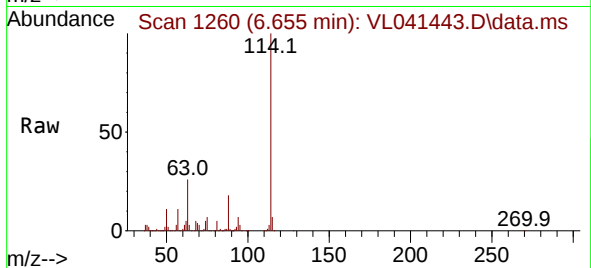
Acq: 30 Jul 2024 00:30

Instrument :

MSVOA_L

ClientSampleId :

ACVI-IA-03DDL



Tgt Ion:114 Resp: 301263

Ion Ratio Lower Upper

114 100

63 25.5 20.3 30.5

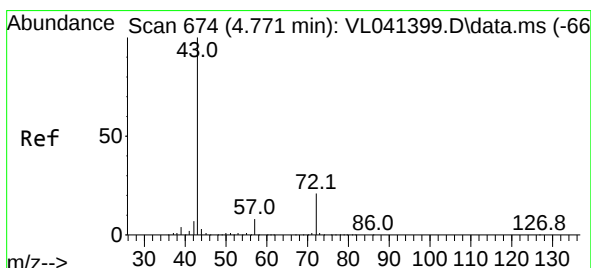
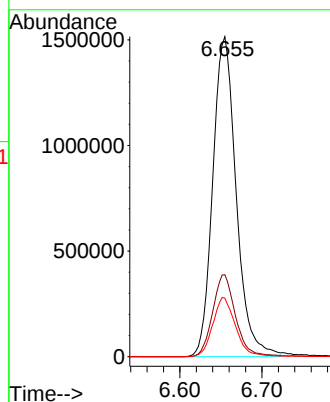
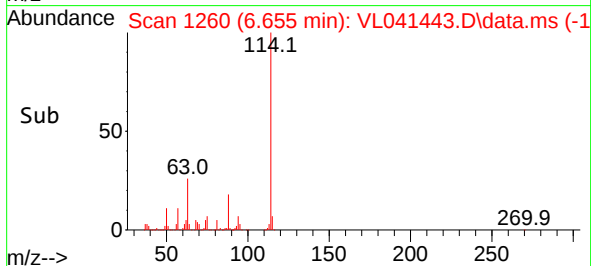
88 18.1 14.3 21.5

Manual Integrations

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Supervised By :Semsettin Yesilyurt 07/30/2024



#34

2-Butanone

Concen: 0.203 ppbv

RT: 4.799 min Scan# 683

Delta R.T. 0.026 min

Lab File: VL041443.D

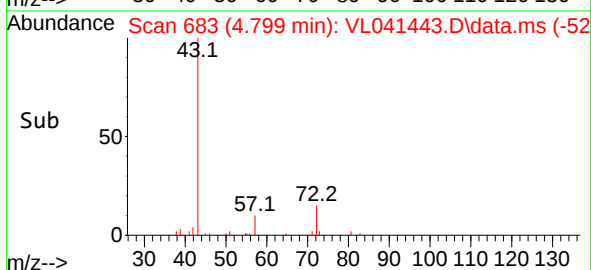
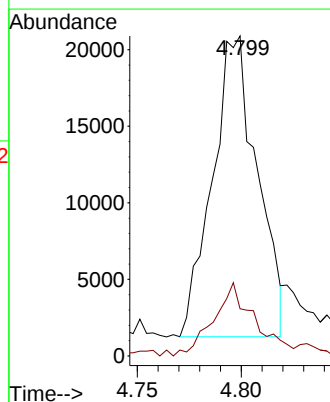
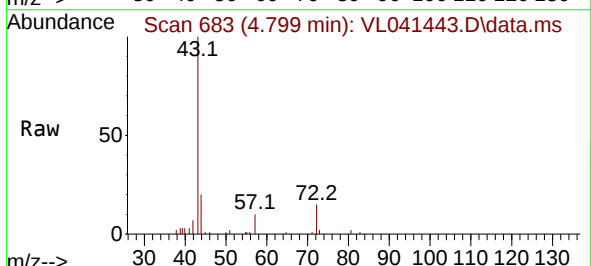
Acq: 30 Jul 2024 00:30

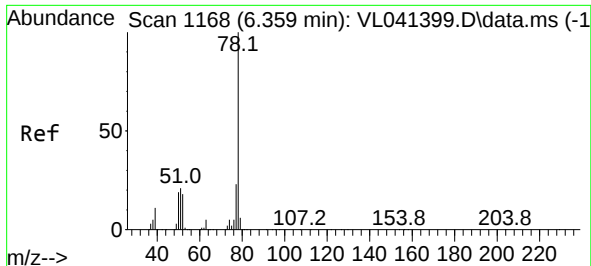
Tgt Ion: 43 Resp: 29513

Ion Ratio Lower Upper

43 100

72 25.4 17.3 25.9





#36

Benzene

Concen: 0.360 ppbv

RT: 6.375 min Scan# 1168

Delta R.T. 0.016 min

Lab File: VL041443.D

Acq: 30 Jul 2024 00:30

Instrument :

MSVOA_L

ClientSampleId :

ACVI-IA-03DDL

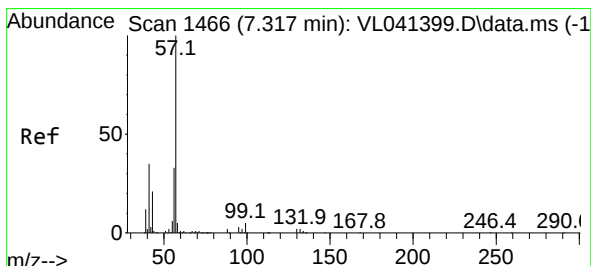
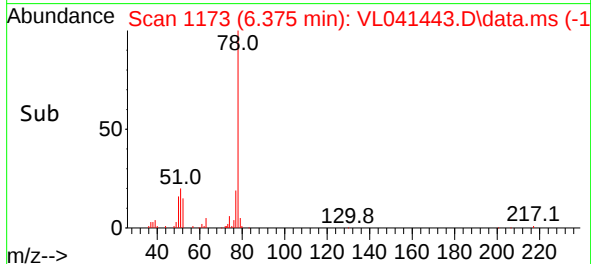
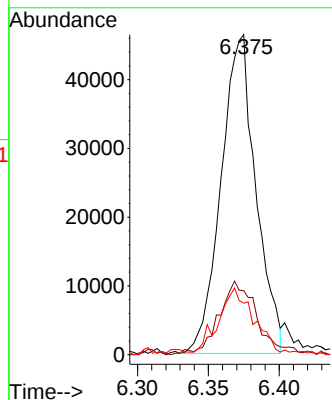
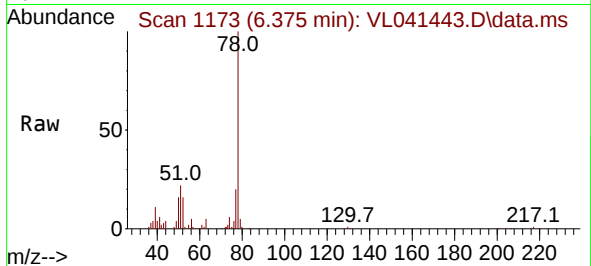
Tgt Ion: 78 Resp: 79310

Ion	Ratio	Lower	Upper
78	100		
77	19.7	18.1	27.1
50	15.4	15.5	23.3

Manual Integrations

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Supervised By :Semsettin Yesilyurt 07/30/2024



#44

2,2,4-Trimethylpentane

Concen: 0.264 ppbv

RT: 7.330 min Scan# 1470

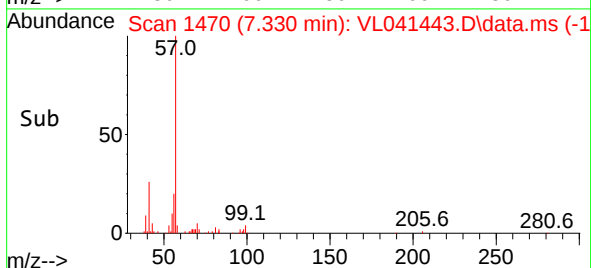
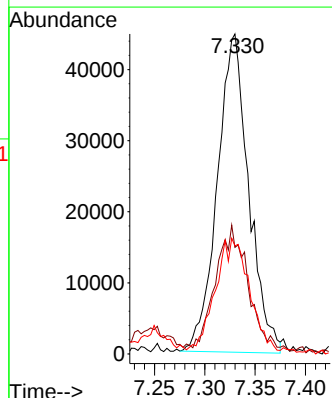
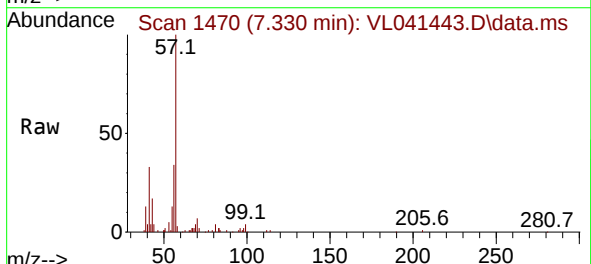
Delta R.T. 0.013 min

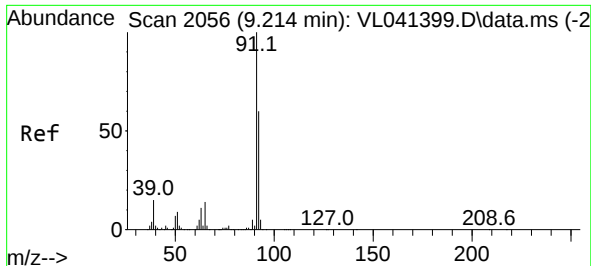
Lab File: VL041443.D

Acq: 30 Jul 2024 00:30

Tgt Ion: 57 Resp: 97231

Ion	Ratio	Lower	Upper
57	100		
41	44.4	27.0	40.6#
56	41.2	25.2	37.8#





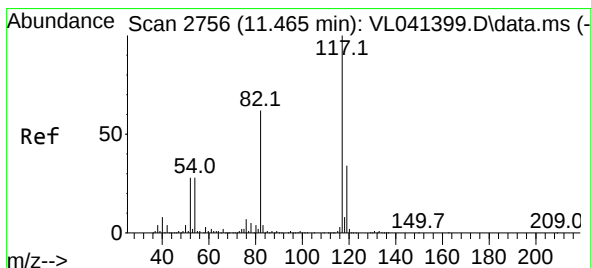
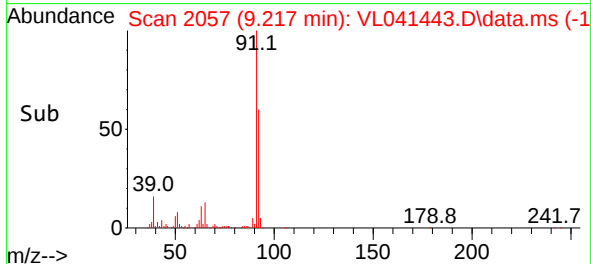
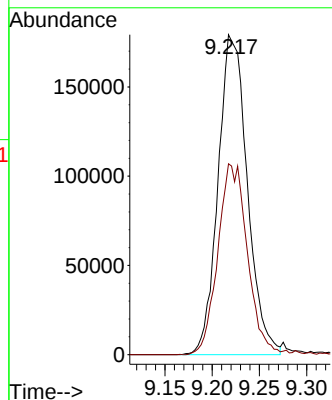
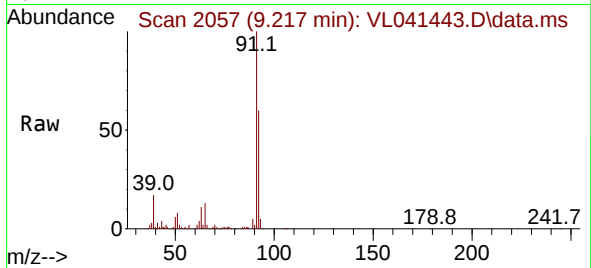
#53
Toluene
Concen: 1.573 ppbv
RT: 9.217 min Scan# 2056
Delta R.T. -0.000 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

Instrument : MSVOA_L
ClientSampleId : ACVI-IA-03DDL

Tgt Ion: 91 Resp: 38563
Ion Ratio Lower Upper
91 100
92 61.1 48.7 73.1

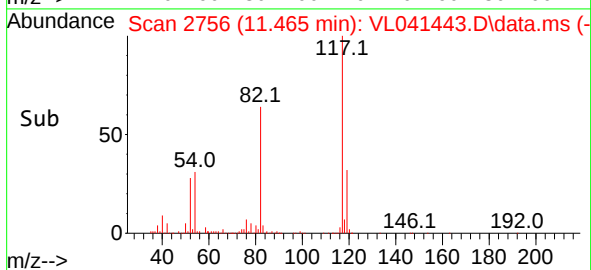
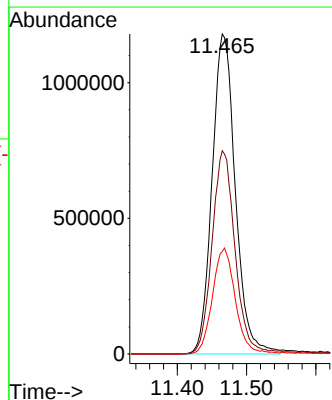
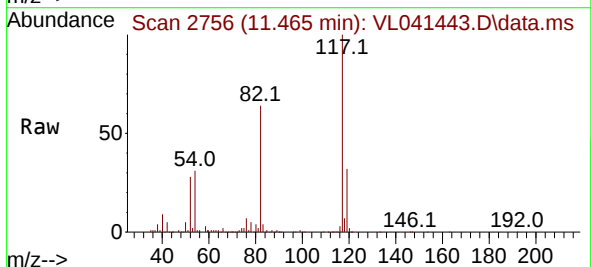
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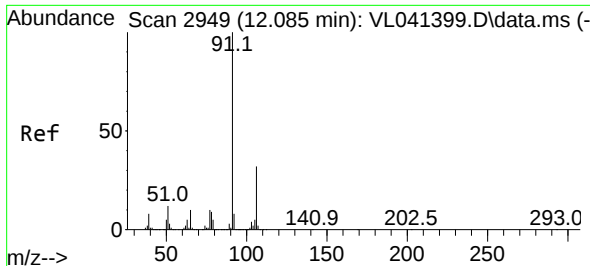
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. -0.000 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

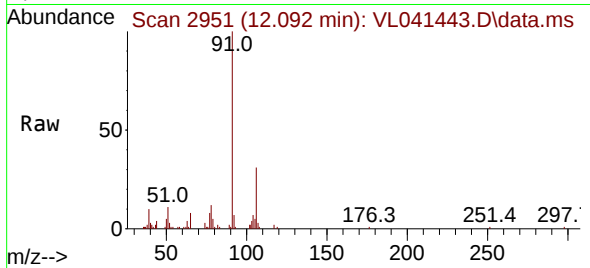
Tgt Ion:117 Resp: 2747809
Ion Ratio Lower Upper
117 100
82 64.1 51.0 76.6
119 33.0 45.2 67.8#





#58
Ethyl Benzene
Concen: 0.195 ppbv
RT: 12.092 min Scan# 2949
Delta R.T. 0.006 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

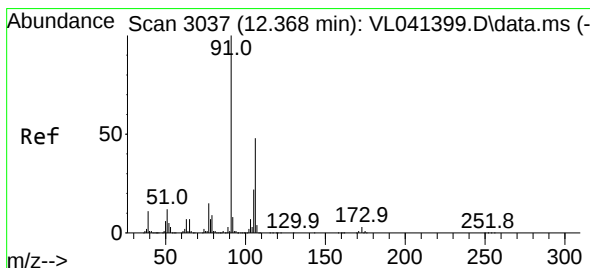
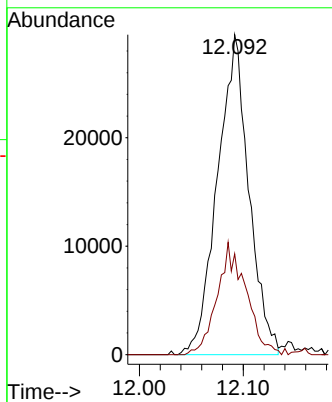
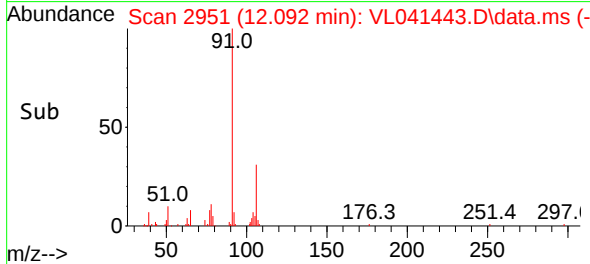
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03DDL



Tgt Ion: 91 Resp: 61838
Ion Ratio Lower Upper
91 100
106 31.5 25.8 38.8

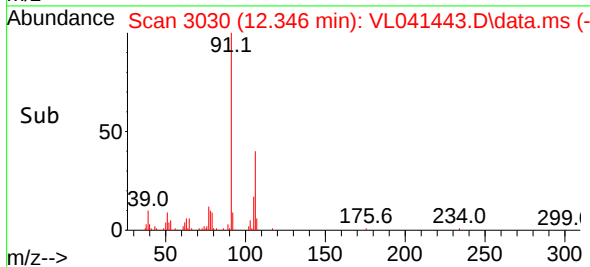
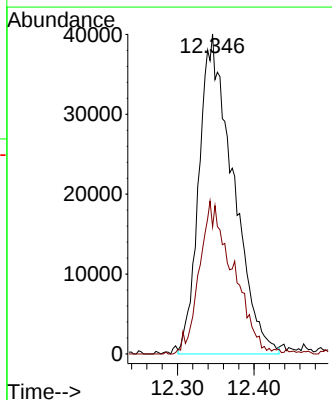
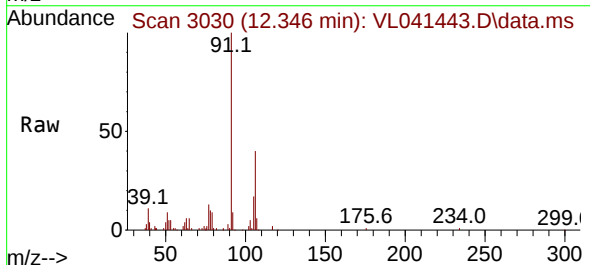
Manual Integrations
APPROVED

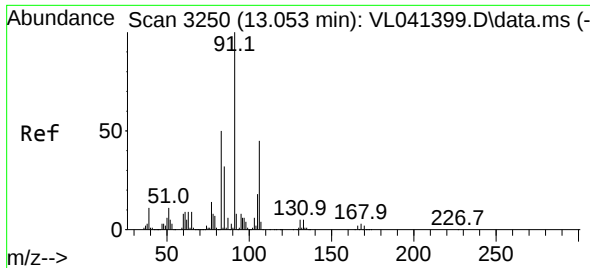
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#59
m/p-Xylene
Concen: 0.452 ppbv m
RT: 12.346 min Scan# 3030
Delta R.T. -0.023 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

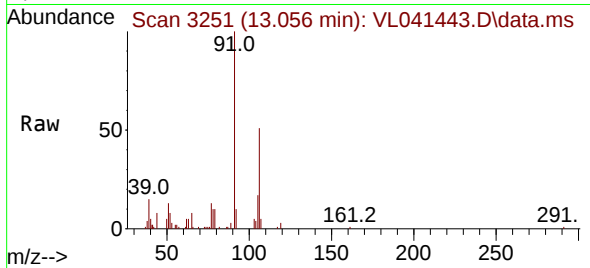
Tgt Ion: 91 Resp: 123493
Ion Ratio Lower Upper
91 100
106 0.0 36.3 54.5#





#60
o-Xylene
Concen: 0.178 ppbv m
RT: 13.056 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30

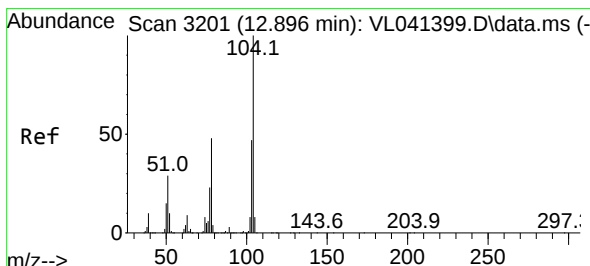
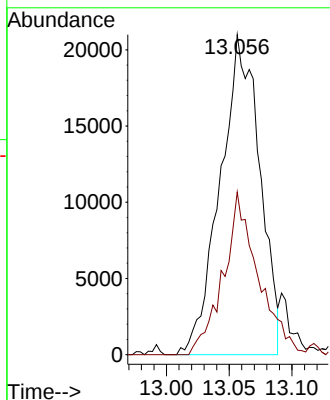
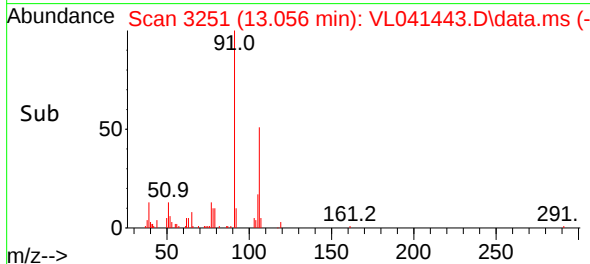
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03DDL



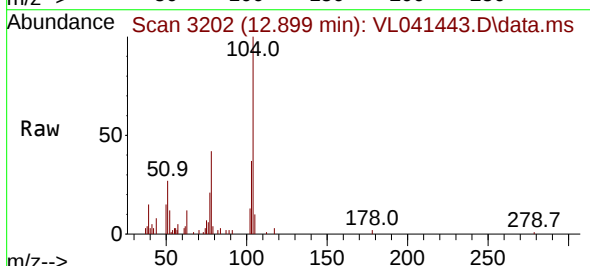
Tgt Ion: 91 Resp: 4590
Ion Ratio Lower Upper
91 100
106 46.1 23.1 69.3

Manual Integrations
APPROVED

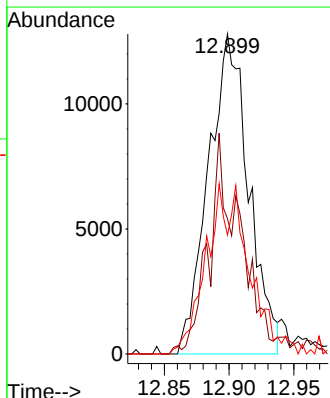
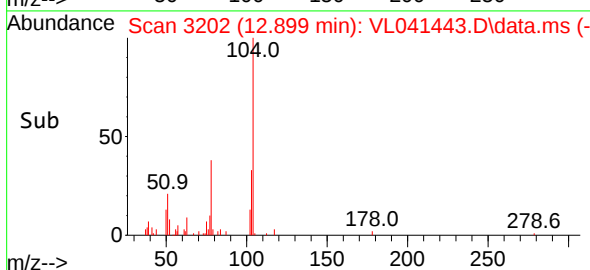
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

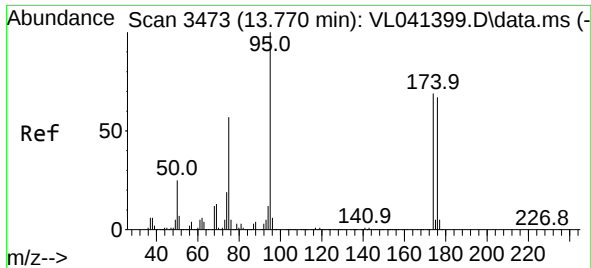


#61
Styrene
Concen: 0.237 ppbv m
RT: 12.899 min Scan# 3202
Delta R.T. 0.003 min
Lab File: VL041443.D
Acq: 30 Jul 2024 00:30



Tgt Ion:104 Resp: 27697
Ion Ratio Lower Upper
104 100
78 58.0 40.8 61.2
103 56.4 38.2 57.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.055 ppbv
 RT: 13.777 min Scan# 3475
 Delta R.T. 0.003 min
 Lab File: VL041443.D
 Acq: 30 Jul 2024 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-IA-03DDL

Tgt Ion: 95 Resp: 212620
 Ion Ratio Lower Upper
 95 100
 174 71.2 56.3 84.5
 175 5.1 4.0 6.0

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024
 Supervised By :Semsettin Yesilyurt 07/30/2024

