

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041313.D
 Acq On : 4 Jun 2024 20:09
 Operator : SY/MD
 Sample : P2673-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INSIDE-LOC-3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024
 Supervised By :Mahesh Dadoda 06/05/2024

Quant Time: Jun 05 05:30:23 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Wed Jun 05 04:42:10 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	825375	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2129190	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2011609	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1519695	9.785	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.758	85	52987	0.402	ppbv	91
3) Chlorodifluoromethane	2.703	51	45548	0.349	ppbv #	91
4) Chloromethane	2.838	50	28923	0.589	ppbv #	88
9) Propene	2.729	41	33978	0.731	ppbv	86
10) Heptane	7.587	43	15633m	0.142	ppbv	
11) Trichlorofluoromethane	3.584	101	30913	0.255	ppbv	99
13) Ethanol	3.272	45	139729	11.560	ppbv	100
15) Acetone	3.488	43	436717m	4.634	ppbv	
19) Isopropyl Alcohol	3.616	45	32562m	0.550	ppbv	
20) Methylene Chloride	3.951	84	894899	26.127	ppbv	96
26) Hexane	5.224	57	923252	11.012	ppbv #	41
30) Cyclohexane	6.607	84	9286m	0.137	ppbv	
34) 2-Butanone	4.806	43	46420m	0.455	ppbv	
35) Carbon Tetrachloride	6.497	117	8601m	0.071	ppbv	
36) Benzene	6.378	78	37811	0.229	ppbv #	87
44) 2,2,4-Trimethylpentane	7.330	57	55805	0.197	ppbv #	77
53) Toluene	9.217	91	94954m	0.500	ppbv	
59) m/p-Xylene	12.343	91	57204m	0.259	ppbv	
60) o-Xylene	13.053	91	23511m	0.112	ppbv	
74) 1,2,4-Trimethylbenzene	16.108	105	27459m	0.114	ppbv	

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

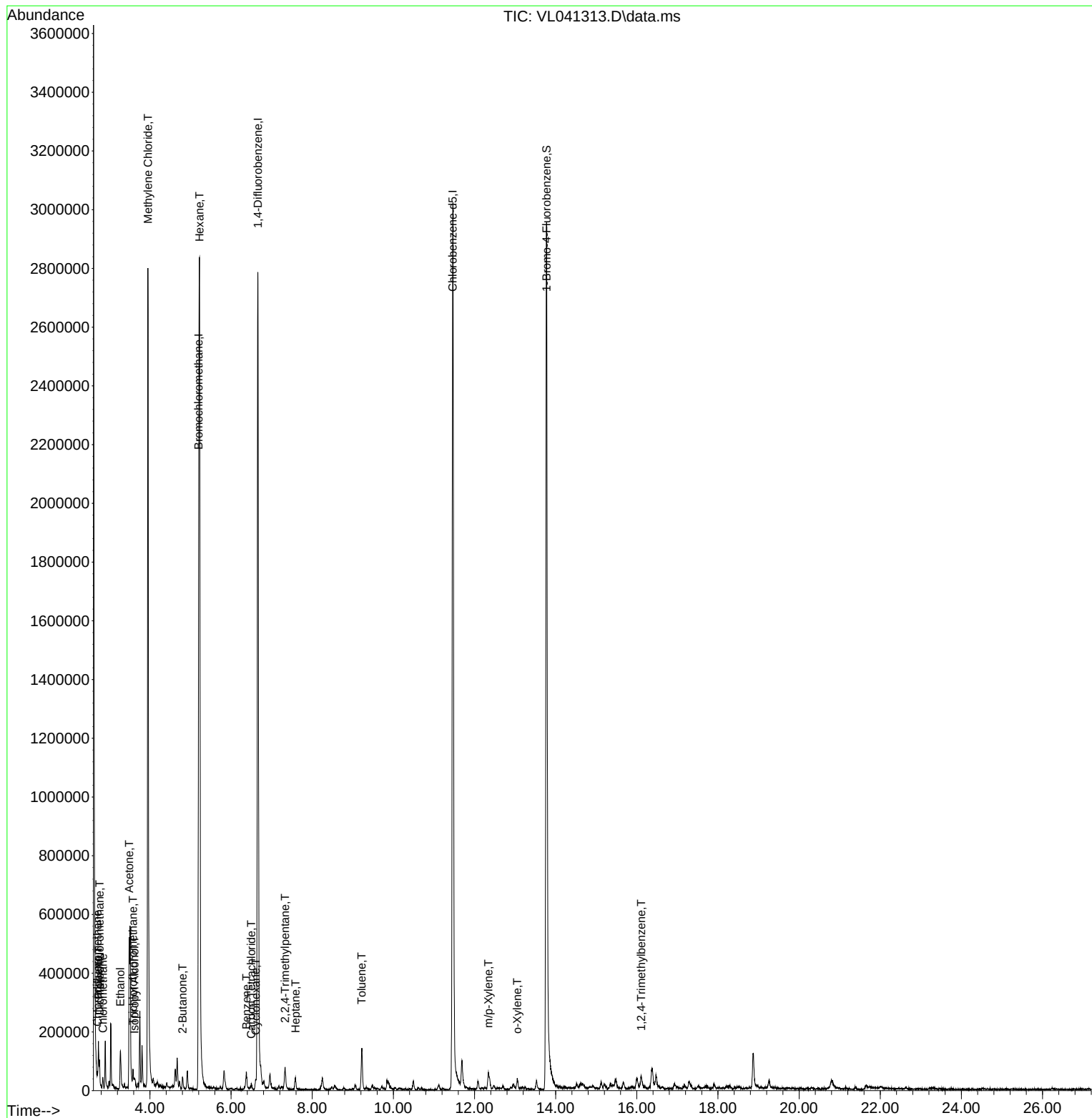
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
Data File : VL041313.D
Acq On : 4 Jun 2024 20:09
Operator : SY/MD
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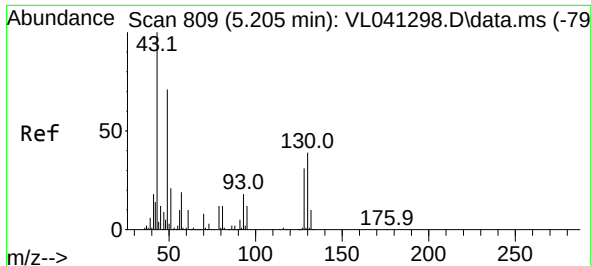
Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3

Quant Time: Jun 05 05:30:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jun 05 04:42:10 2024
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Supervised By :Mahesh Dadoda 06/05/2024





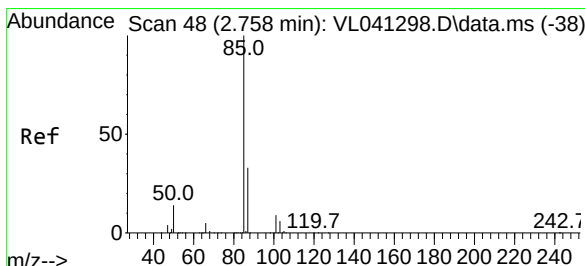
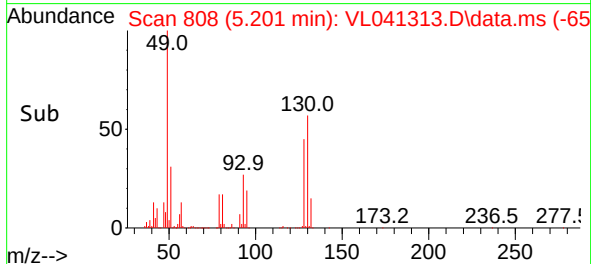
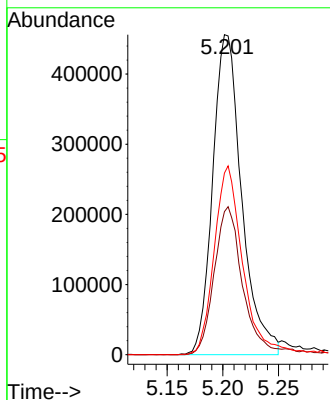
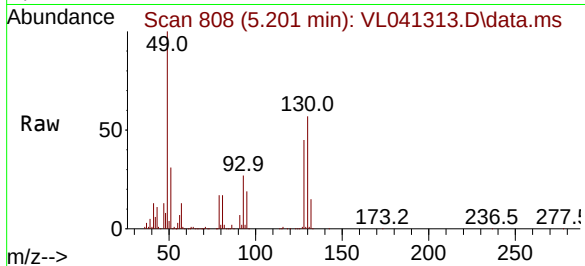
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 809
Delta R.T. -0.004 min
Lab File: VL041313.D
Acq: 4 Jun 2024 20:09

Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3

Tgt Ion: 49 Resp: 825375
Ion Ratio Lower Upper
49 100
128 46.8 22.8 68.3
130 59.4 28.4 85.3

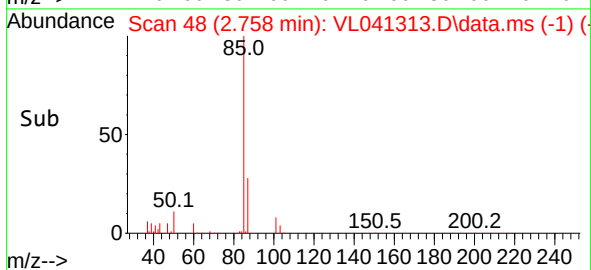
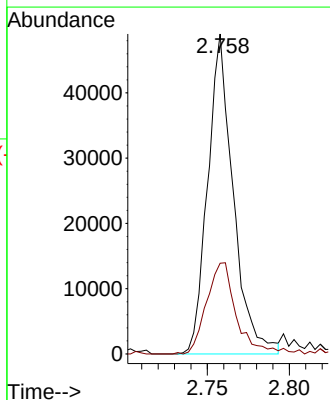
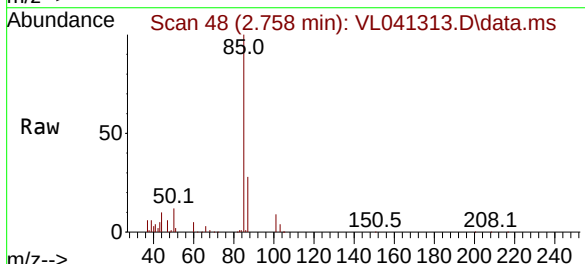
Manual Integrations
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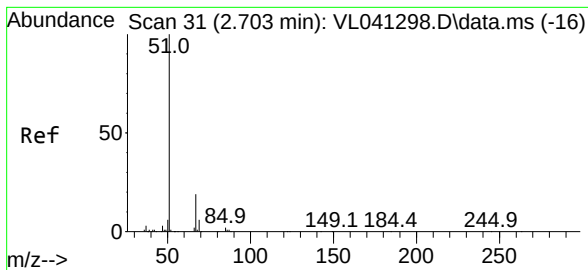
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#2
Dichlorodifluoromethane
Concen: 0.402 ppbv
RT: 2.758 min Scan# 48
Delta R.T. 0.000 min
Lab File: VL041313.D
Acq: 4 Jun 2024 20:09

Tgt Ion: 85 Resp: 52987
Ion Ratio Lower Upper
85 100
87 27.9 26.5 39.7





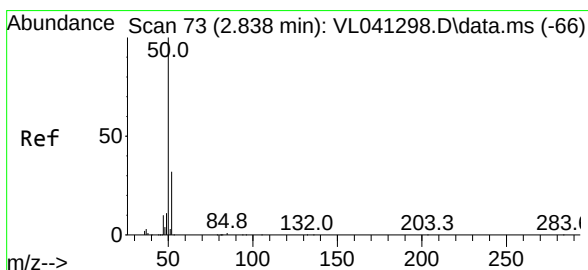
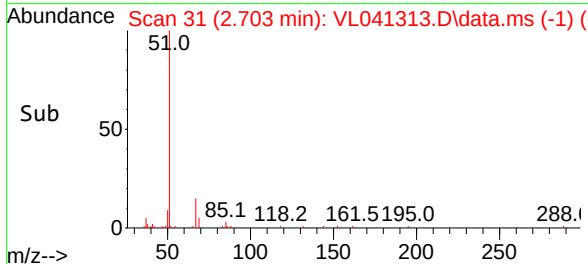
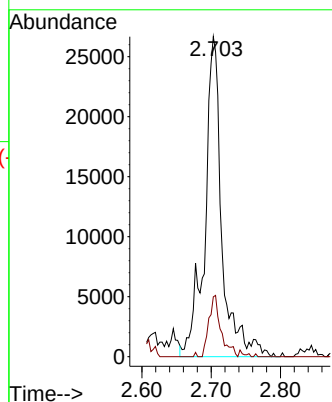
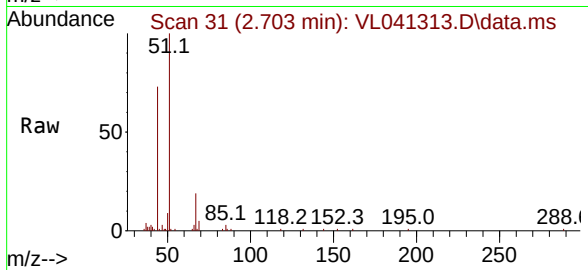
#3
Chlorodifluoromethane
Concen: 0.349 ppbv
RT: 2.703 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041313.D
Acq: 4 Jun 2024 20:09

Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3

Tgt Ion: 51 Resp: 45548
Ion Ratio Lower Upper
51 100
67 14.2 14.7 22.1

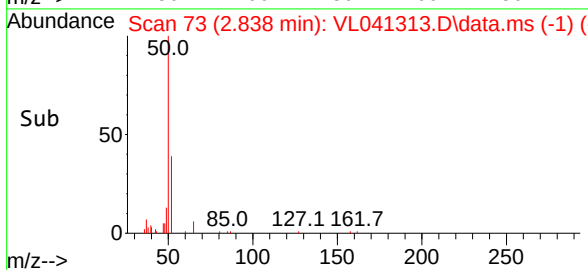
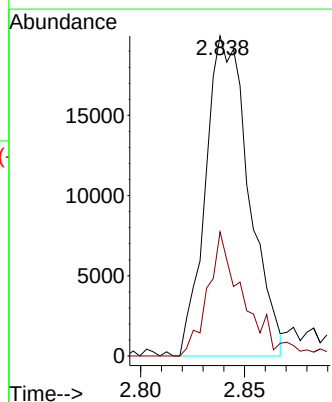
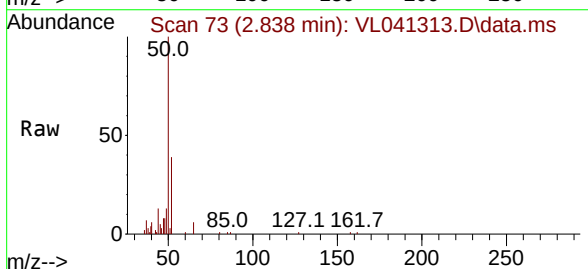
Manual Integrations
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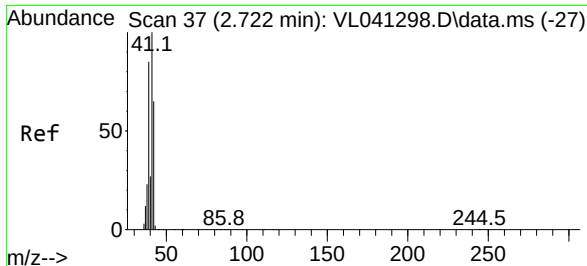
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#4
Chloromethane
Concen: 0.589 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.000 min
Lab File: VL041313.D
Acq: 4 Jun 2024 20:09

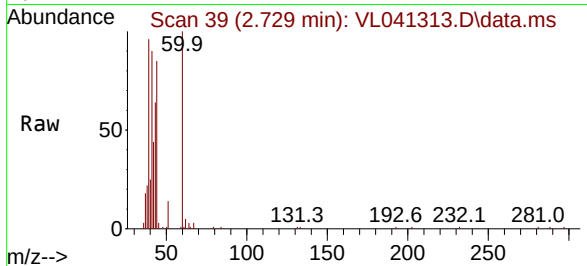
Tgt Ion: 50 Resp: 28923
Ion Ratio Lower Upper
50 100
52 38.8 25.6 38.4





#9
 Propene
 Concen: 0.731 ppbv
 RT: 2.729 min Scan# 39
 Delta R.T. 0.006 min
 Lab File: VL041313.D
 Acq: 4 Jun 2024 20:09

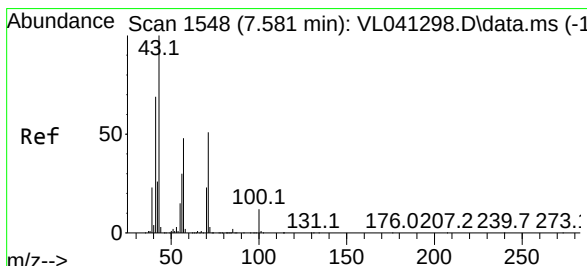
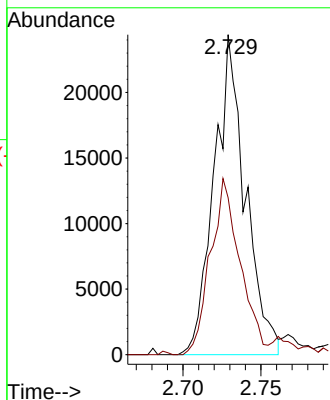
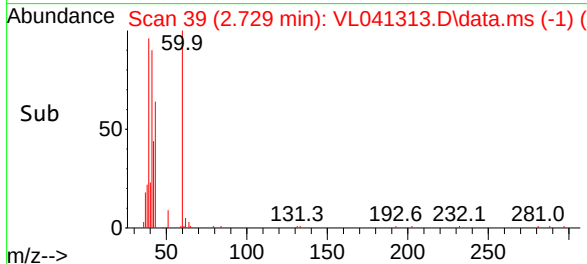
Instrument :
 MSVOA_L
 ClientSampleId :
 INSIDE-LOC-3



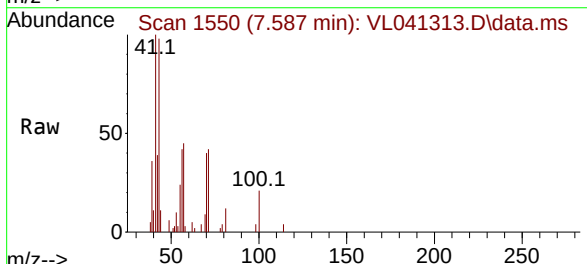
Tgt Ion: 41 Resp: 33978
 Ion Ratio Lower Upper
 41 100
 42 57.9 55.2 82.8

Manual Integrations
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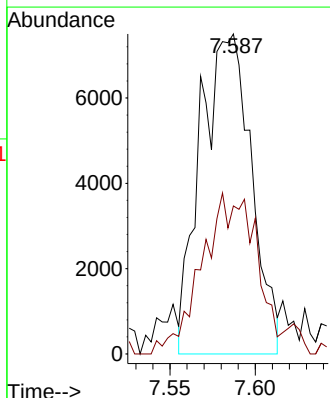
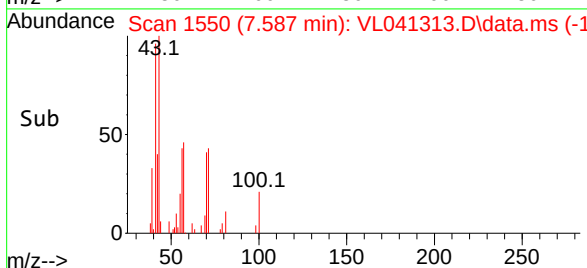
Reviewed By :Semsettin Yesilyurt 06/05/2024
 Supervised By :Mahesh Dadoda 06/05/2024

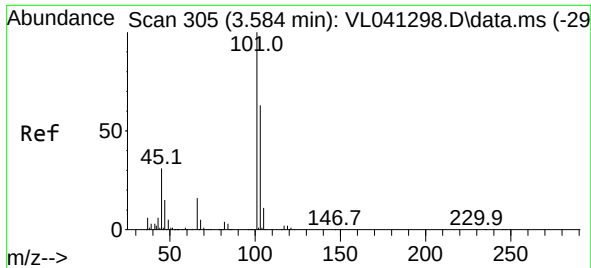


#10
 Heptane
 Concen: 0.142 ppbv m
 RT: 7.587 min Scan# 1550
 Delta R.T. 0.006 min
 Lab File: VL041313.D
 Acq: 4 Jun 2024 20:09



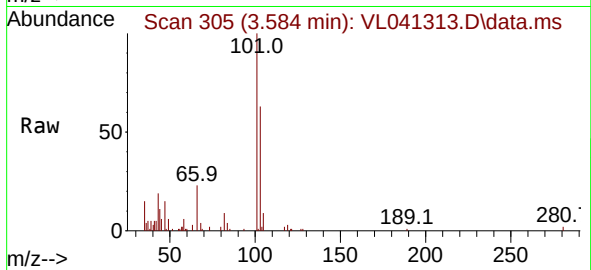
Tgt Ion: 43 Resp: 15633
 Ion Ratio Lower Upper
 43 100
 57 57.2 39.0 58.4





#11
 Trichlorofluoromethane
 Concen: 0.255 ppbv
 RT: 3.584 min Scan# 305
 Delta R.T. 0.000 min
 Lab File: VL041313.D
 Acq: 4 Jun 2024 20:09

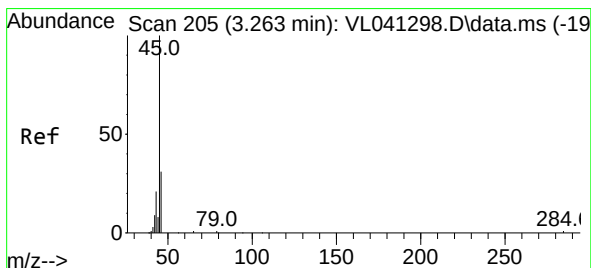
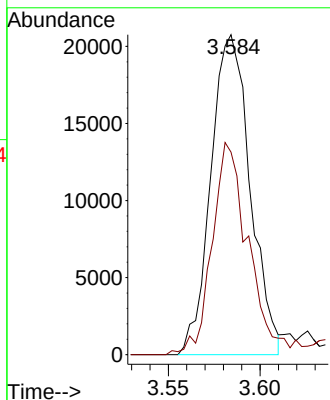
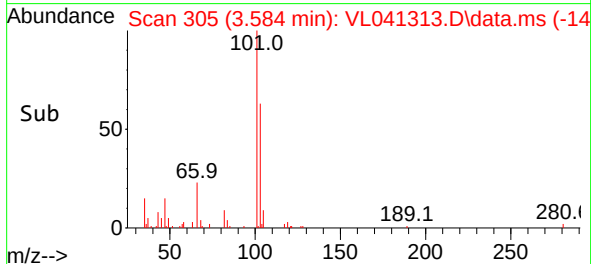
Instrument :
 MSVOA_L
 ClientSampleId :
 INSIDE-LOC-3



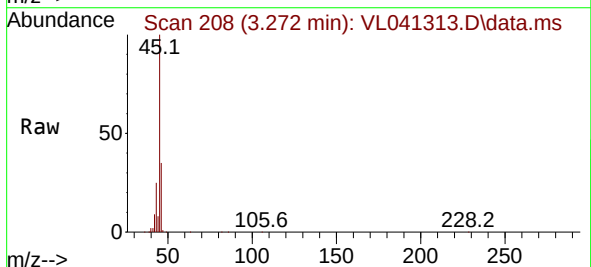
Tgt Ion:101 Resp: 3091
 Ion Ratio Lower Upper
 101 100
 103 62.4 50.6 76.0

Manual Integrations
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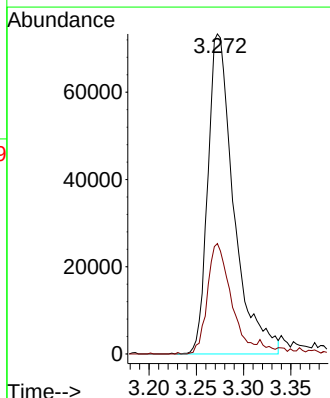
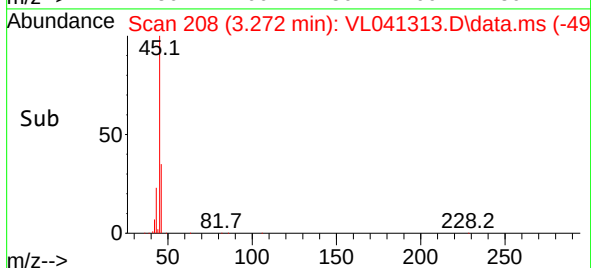
Reviewed By :Semsettin Yesilyurt 06/05/2024
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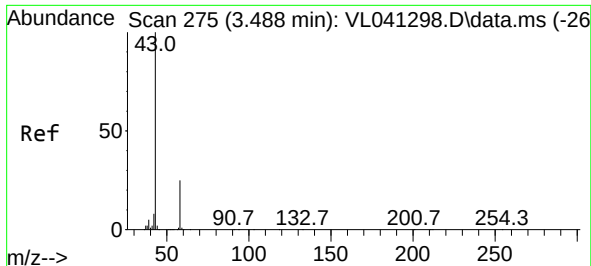


#13
 Ethanol
 Concen: 11.560 ppbv
 RT: 3.272 min Scan# 208
 Delta R.T. 0.010 min
 Lab File: VL041313.D
 Acq: 4 Jun 2024 20:09



Tgt Ion: 45 Resp: 139729
 Ion Ratio Lower Upper
 45 100
 46 35.2 14.2 56.6





#15

Acetone

Concen: 4.634 ppbv m

RT: 3.488 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041313.D

Acq: 4 Jun 2024 20:09

Instrument :

MSVOA_L

ClientSampleId :

INSIDE-LOC-3

Tgt Ion: 43 Resp: 43671

Ion Ratio Lower Upper

43 100

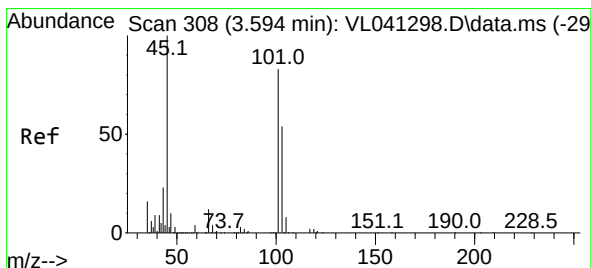
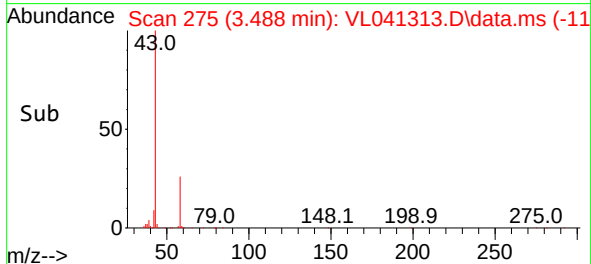
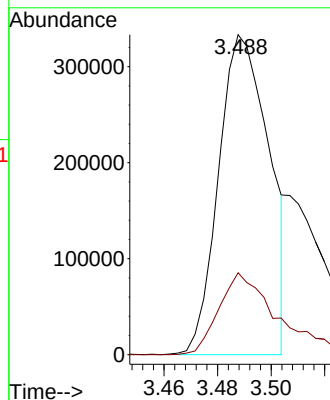
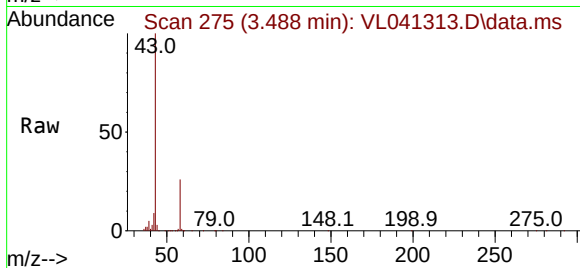
58 32.0 20.6 31.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/05/2024

Supervised By :Mahesh Dadoda 06/05/2024



#19

Isopropyl Alcohol

Concen: 0.550 ppbv m

RT: 3.616 min Scan# 315

Delta R.T. 0.022 min

Lab File: VL041313.D

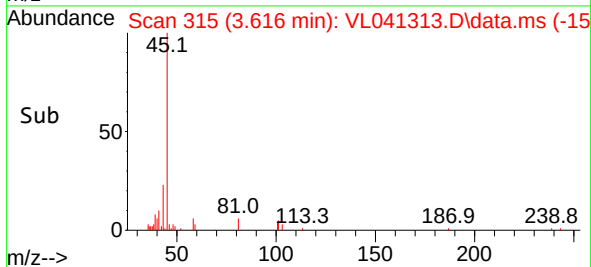
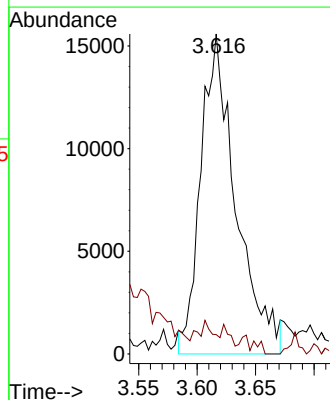
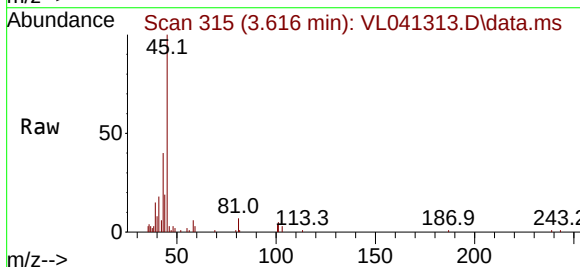
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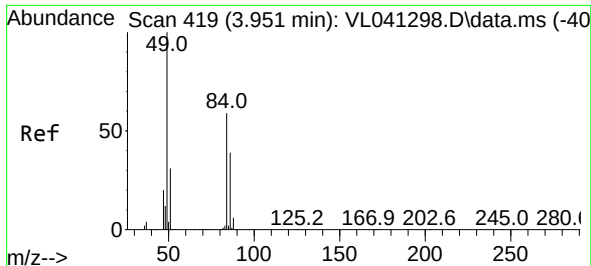
Tgt Ion: 45 Resp: 32562

Ion Ratio Lower Upper

45 100

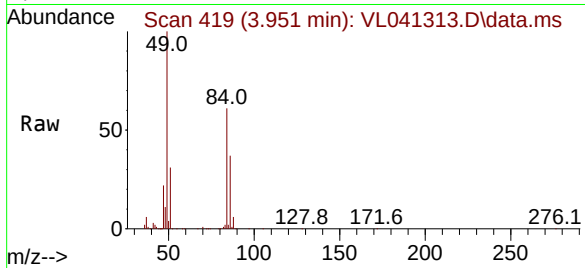
58 0.0 1.4 2.2





#20
Methylene Chloride
Concen: 26.127 ppbv
RT: 3.951 min Scan# 419
Delta R.T. -0.000 min
Lab File: VL041313.D
Acq: 4 Jun 2024 20:09

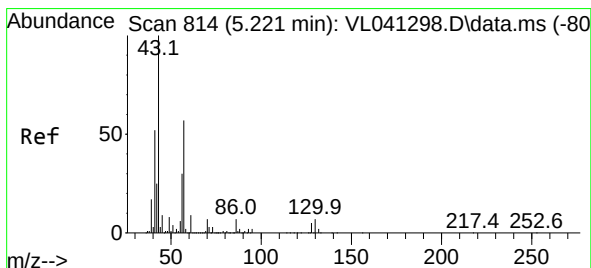
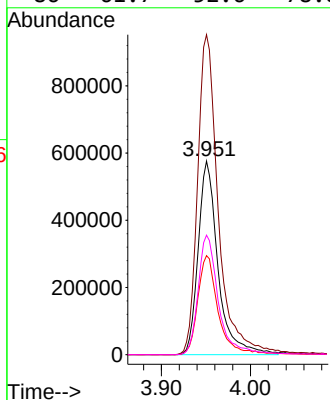
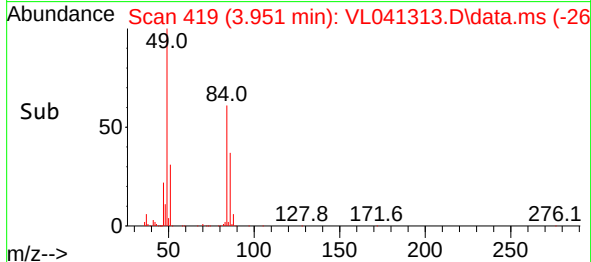
Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3



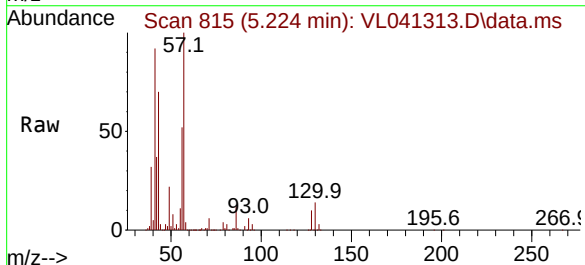
Tgt Ion: 84 Resp: 894899
Ion Ratio Lower Upper
84 100
49 165.0 136.2 204.2
51 51.0 41.9 62.9
86 61.7 52.6 78.8

Manual Integrations
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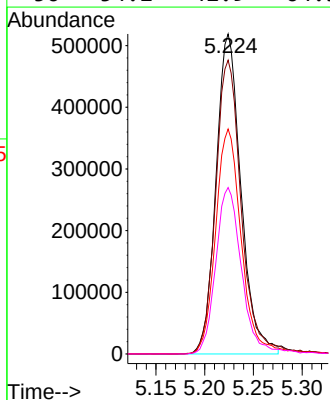
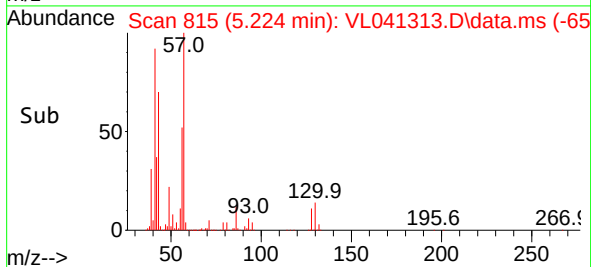
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Supervised By :Mahesh Dadoda 06/05/2024

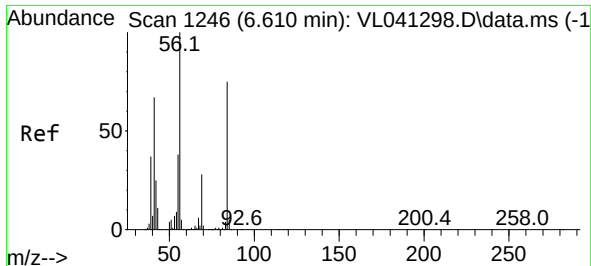


#26
Hexane
Concen: 11.012 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.003 min
Lab File: VL041313.D
Acq: 4 Jun 2024 20:09



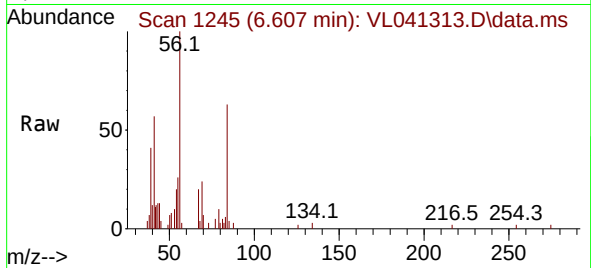
Tgt Ion: 57 Resp: 923252
Ion Ratio Lower Upper
57 100
41 95.7 77.1 115.7
43 73.1 186.1 279.1#
56 54.2 42.9 64.3





#30
Cyclohexane
Concen: 0.137 ppbv m
RT: 6.607 min Scan# 1246
Delta R.T. -0.003 min
Lab File: VL041313.D
Acq: 4 Jun 2024 20:09

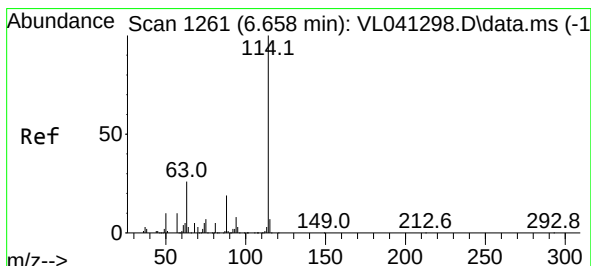
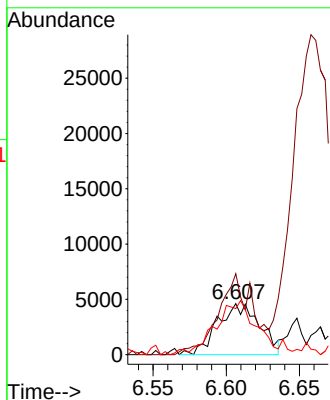
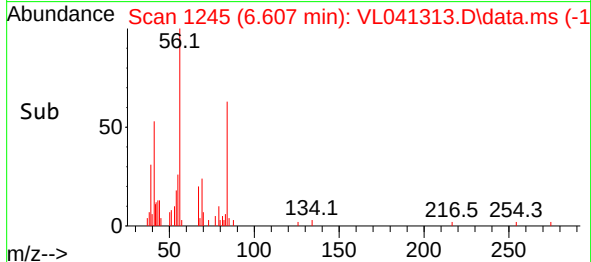
Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3



Tgt Ion: 84 Resp: 9280
Ion Ratio Lower Upper
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41 0.0 74.4 111.6

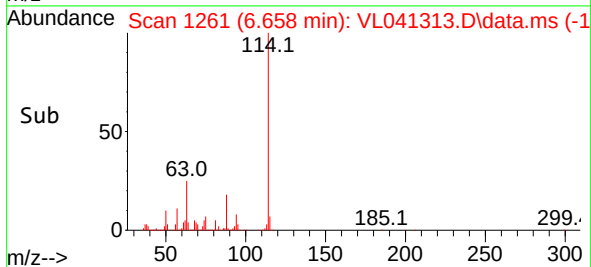
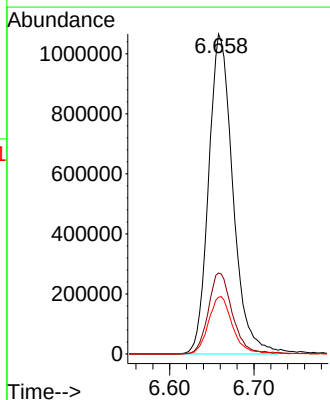
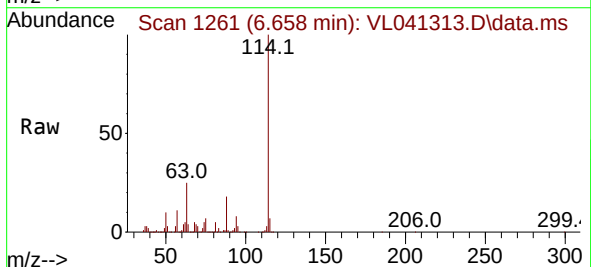
Manual Integrations
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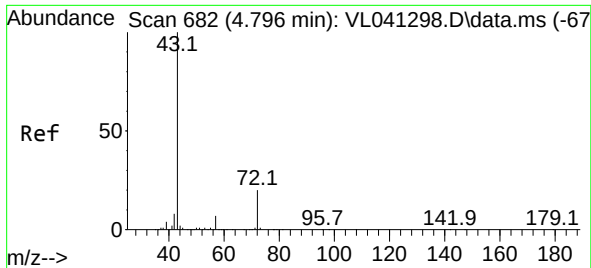
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VL041313.D
Acq: 4 Jun 2024 20:09

Tgt Ion:114 Resp: 2129190
Ion Ratio Lower Upper
114 100
63 25.5 20.6 30.8
88 17.8 14.5 21.7





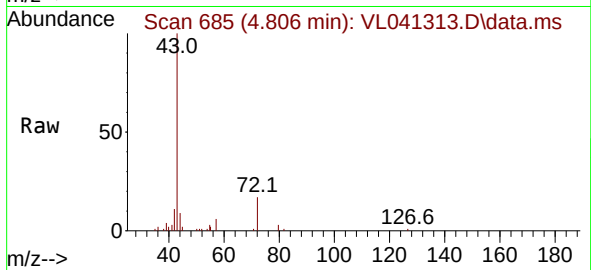
#34
2-Butanone
Concen: 0.455 ppbv m
RT: 4.806 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL041313.D
Acq: 4 Jun 2024 20:09

Instrument :

MSVOA_L

ClientSampleId :

INSIDE-LOC-3

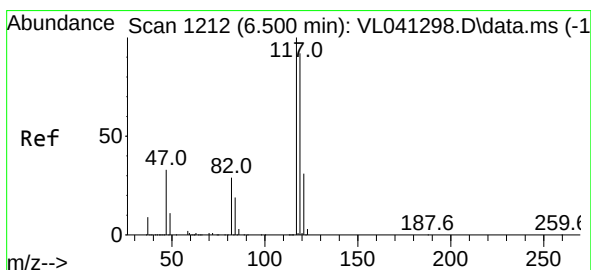
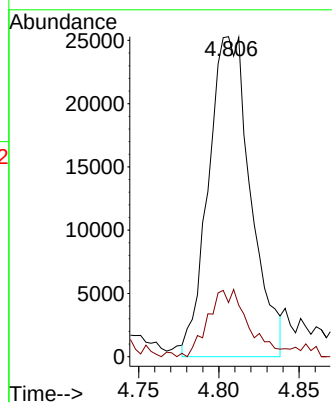
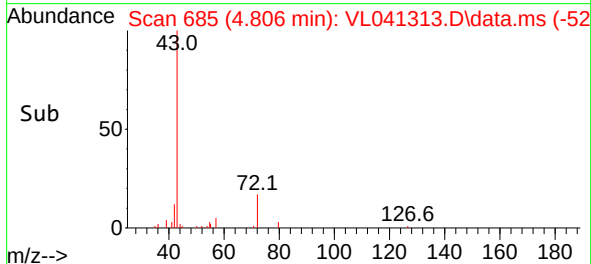


Tgt Ion: 43 Resp: 46420
Ion Ratio Lower Upper
43 100
72 21.9 17.4 26.0

Manual Integrations

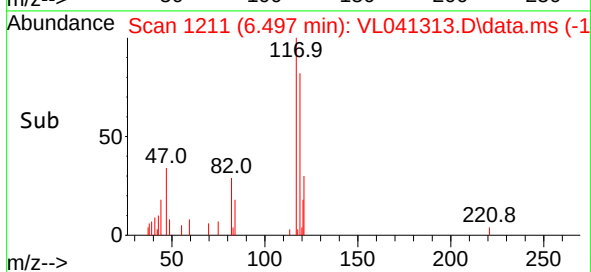
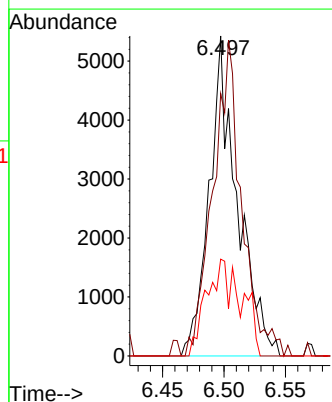
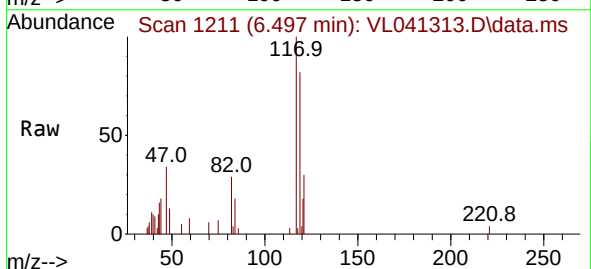
APPROVED

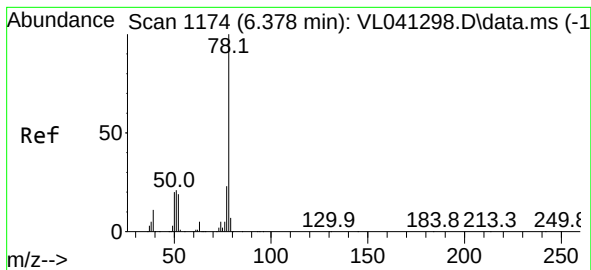
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#35
Carbon Tetrachloride
Concen: 0.071 ppbv m
RT: 6.497 min Scan# 1211
Delta R.T. -0.003 min
Lab File: VL041313.D
Acq: 4 Jun 2024 20:09

Tgt Ion:117 Resp: 8601
Ion Ratio Lower Upper
117 100
119 82.0 74.0 111.0
121 30.2 24.8 37.2





#36

Benzene

Concen: 0.229 ppbv

RT: 6.378 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VL041313.D

Acq: 4 Jun 2024 20:09

Instrument :

MSVOA_L

ClientSampleId :

INSIDE-LOC-3

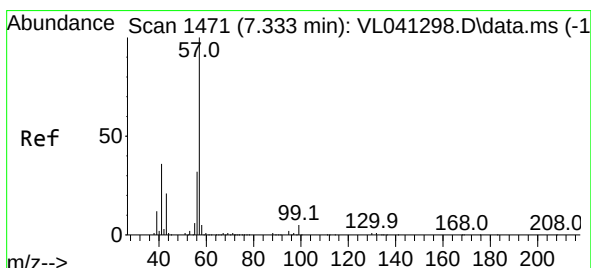
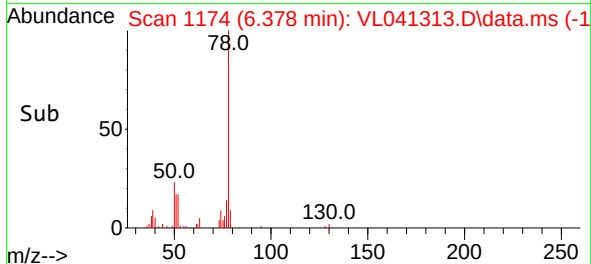
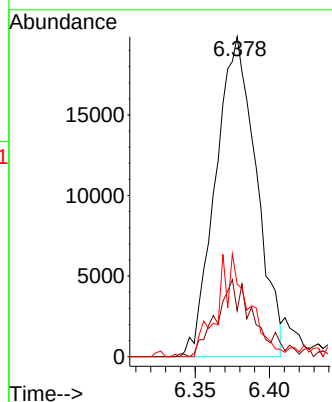
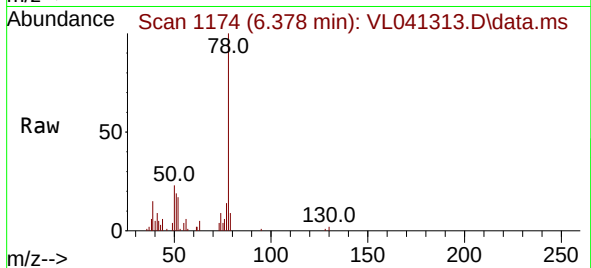
Tgt Ion: 78 Resp: 3781

Ion	Ratio	Lower	Upper
78	100		
77	13.5	18.6	28.0
50	22.6	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#44

2,2,4-Trimethylpentane

Concen: 0.197 ppbv

RT: 7.330 min Scan# 1470

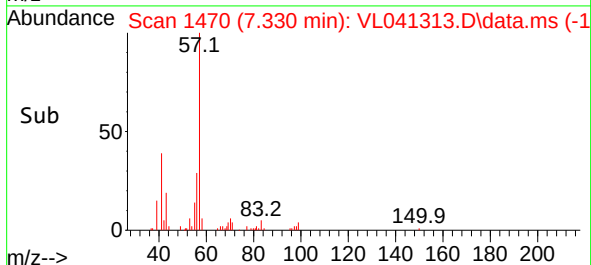
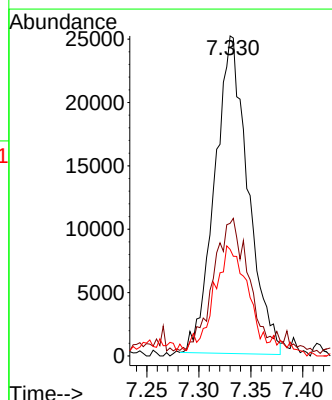
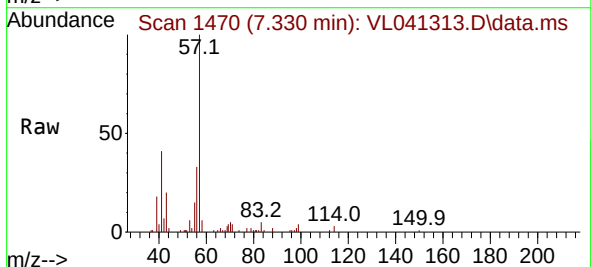
Delta R.T. -0.003 min

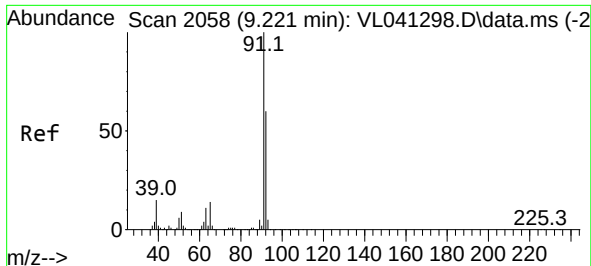
Lab File: VL041313.D

Acq: 4 Jun 2024 20:09

Tgt Ion: 57 Resp: 55805

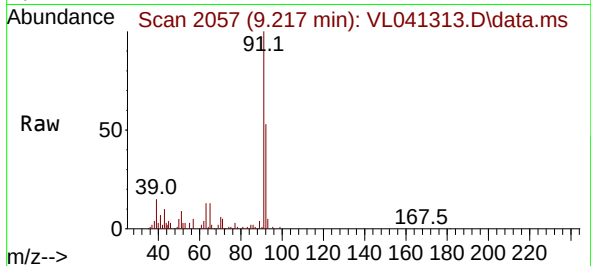
Ion	Ratio	Lower	Upper
57	100		
41	53.3	29.4	44.2
56	41.2	25.0	37.4





#53
Toluene
Concen: 0.500 ppbv m
RT: 9.217 min Scan# 2057
Delta R.T. -0.003 min
Lab File: VL041313.D
Acq: 4 Jun 2024 20:09

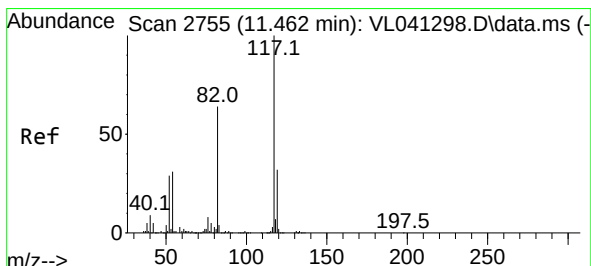
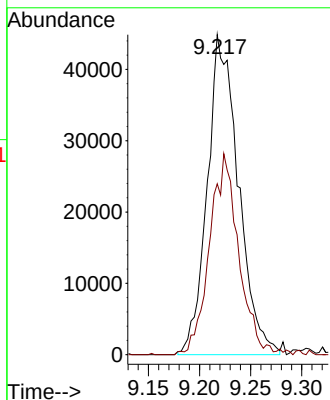
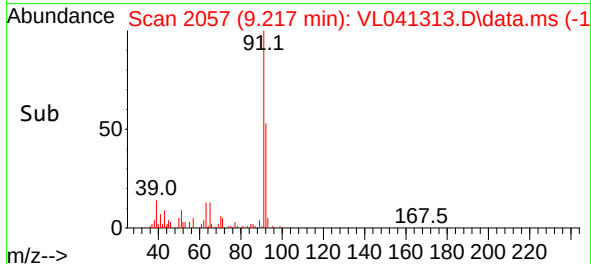
Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3



Tgt Ion: 91 Resp: 94954
Ion Ratio Lower Upper
91 100
92 0.0 49.2 73.8

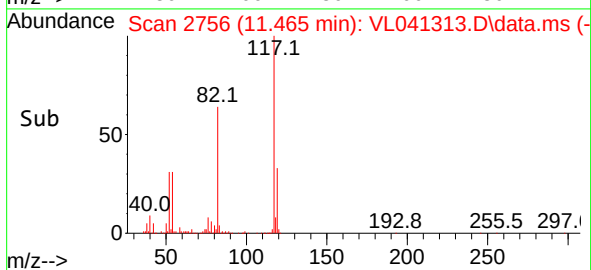
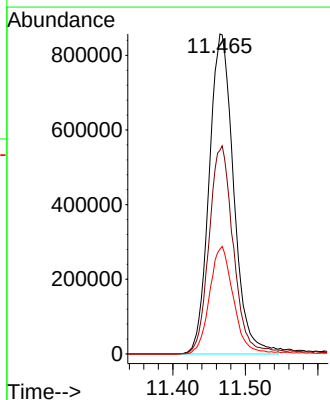
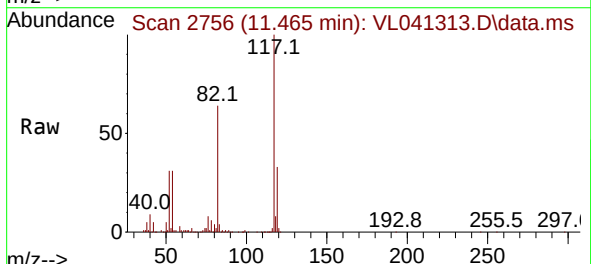
Manual Integrations
APPROVED

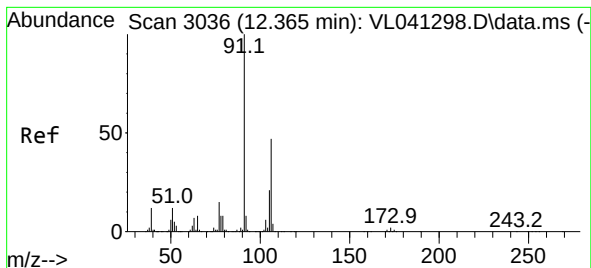
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. 0.003 min
Lab File: VL041313.D
Acq: 4 Jun 2024 20:09

Tgt Ion:117 Resp: 2011609
Ion Ratio Lower Upper
117 100
82 66.2 52.3 78.5
119 33.2 26.2 39.2





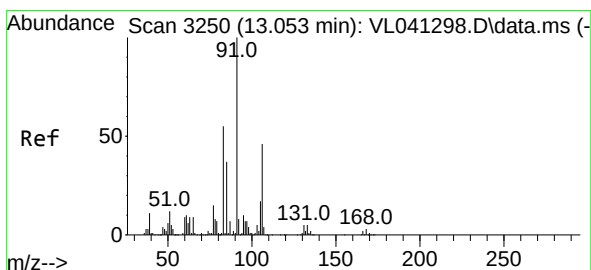
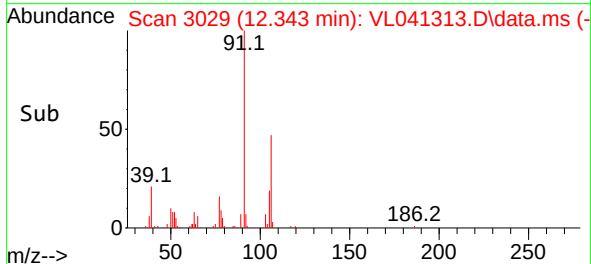
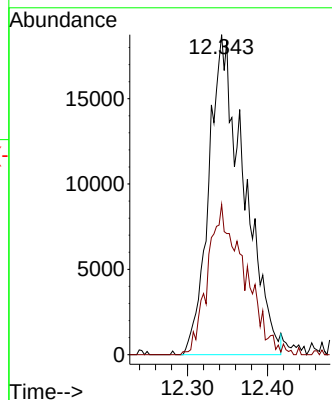
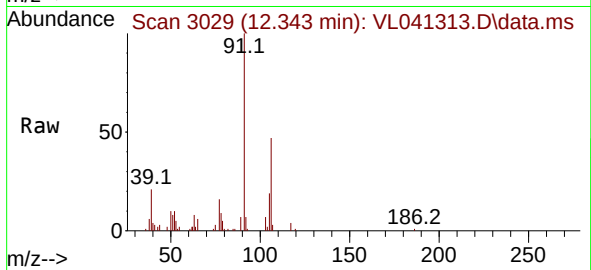
#59
m/p-Xylene
Concen: 0.259 ppbv m
RT: 12.343 min Scan# 3036
Delta R.T. -0.023 min
Lab File: VL041313.D
Acq: 4 Jun 2024 20:09

Instrument :
MSVOA_L
ClientSampleId :
INSIDE-LOC-3

Tgt Ion: 91 Resp: 57204
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5

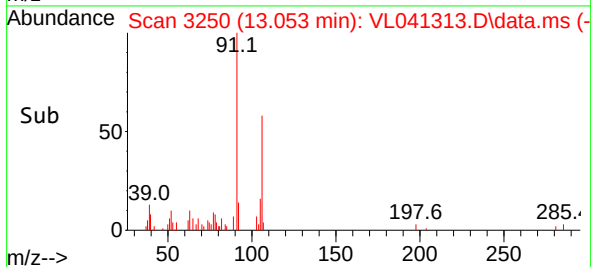
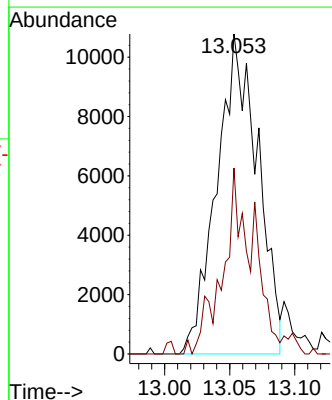
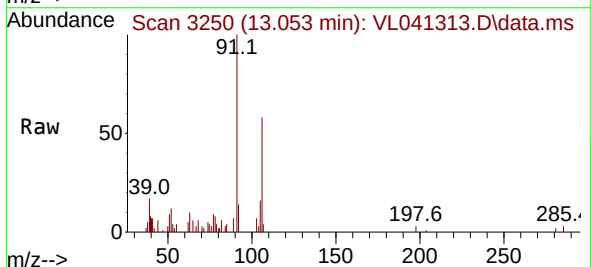
Manual Integrations
APPROVED

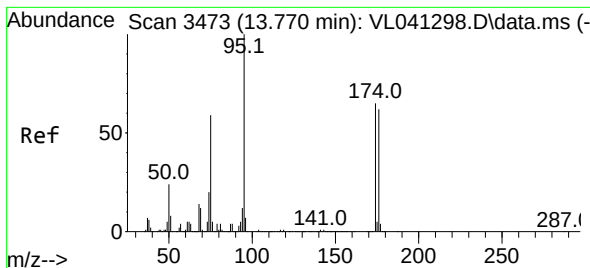
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#60
o-Xylene
Concen: 0.112 ppbv m
RT: 13.053 min Scan# 3250
Delta R.T. -0.000 min
Lab File: VL041313.D
Acq: 4 Jun 2024 20:09

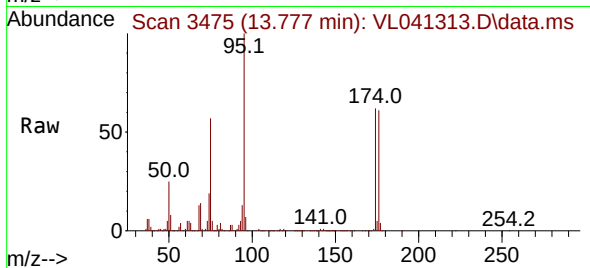
Tgt Ion: 91 Resp: 23511
Ion Ratio Lower Upper
91 100
106 45.9 22.8 68.4





#68
1-Bromo-4-Fluorobenzene
Concen: 9.785 ppbv
RT: 13.777 min Scan# 3473
Delta R.T. 0.006 min
Lab File: VL041313.D
Acq: 4 Jun 2024 20:09

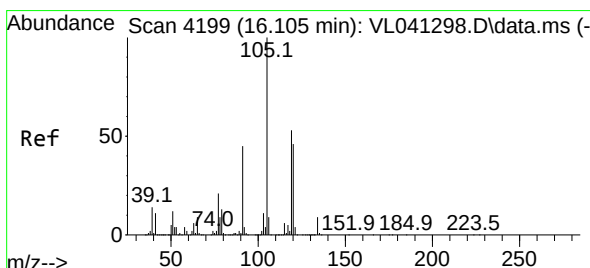
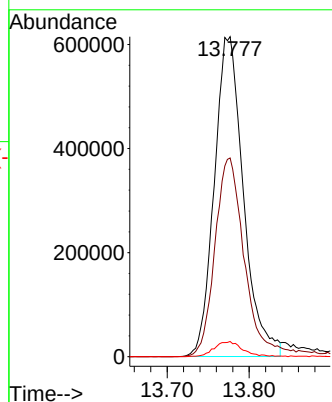
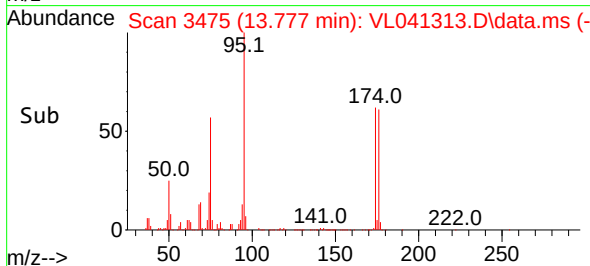
Instrument : MSVOA_1
ClientSampleId : INSIDE-LOC-3



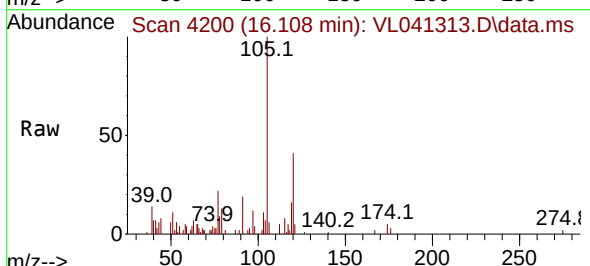
Tgt Ion: 95 Resp: 151969
Ion Ratio Lower Upper
95 100
174 65.5 52.2 78.2
175 4.8 4.1 6.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.114 ppbv m
RT: 16.108 min Scan# 4200
Delta R.T. 0.003 min
Lab File: VL041313.D
Acq: 4 Jun 2024 20:09



Tgt Ion:105 Resp: 27459
Ion Ratio Lower Upper
105 100
120 40.7 37.0 55.6
91 18.9 36.2 54.4#
77 22.0 16.6 24.8

