

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038066.D
 Acq On : 18 Nov 2021 23:04
 Operator : SY/AP
 Sample : M4704-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 17-TOTEN-STREETDL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021

Quant Time: Nov 19 08:22:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	829301	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2401489	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1983496	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1466985	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	38392m	0.599	ppbv	
13) Ethanol	3.63	45	23773m	3.835	ppbv	
15) Acetone	3.85	43	2977037	41.404	ppbv	98
17) tert-Butyl alcohol	4.31	59	26576m	0.305	ppbv	
19) Isopropyl Alcohol	3.98	45	23390m	0.450	ppbv	
20) Methylene Chloride	4.35	84	31089	0.772	ppbv #	92
26) Hexane	5.69	57	27957m	0.243	ppbv	
27) Carbon Disulfide	4.56	76	11118m	0.108	ppbv	
34) 2-Butanone	5.26	43	106534	1.100	ppbv	93
51) 2-Hexanone	10.16	43	16428m	0.237	ppbv	
53) Toluene	9.80	91	124734	0.453	ppbv	99
59) m/p-Xylene	12.96	91	72542m	0.263	ppbv	
60) o-Xylene	13.69	91	26213m	0.102	ppbv	

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

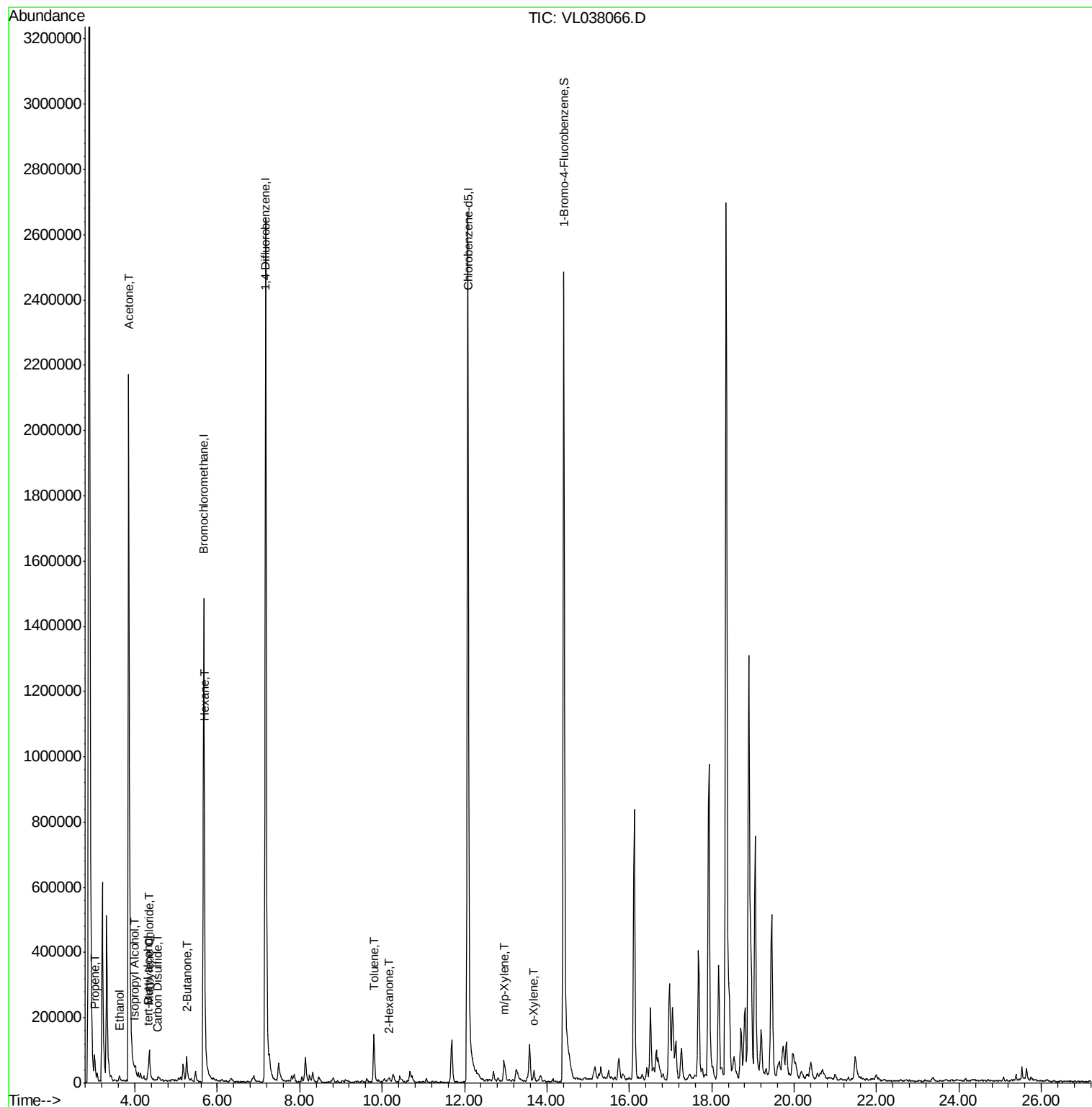
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111821\
Data File : VL038066.D
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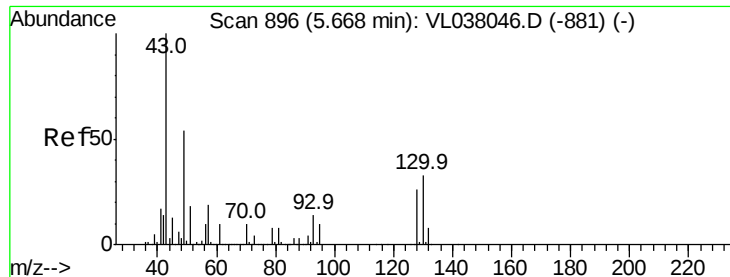
Instrument :
MSVOA_L
ClientSampleId :
17-TOTEN-STREETDL

Quant Time: Nov 19 08:22:25 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration

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Supervised By :Mahesh Dadoda 11/29/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 23:04

Tot Ion:

Ion Ratio

49 100

128 51.

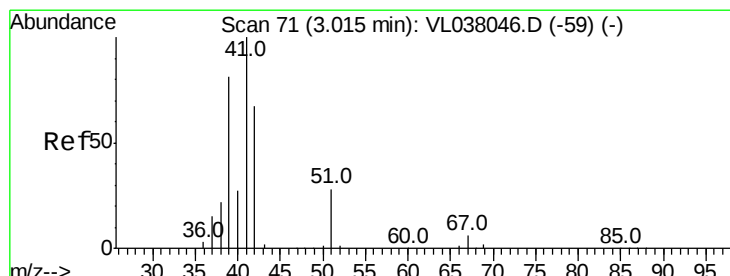
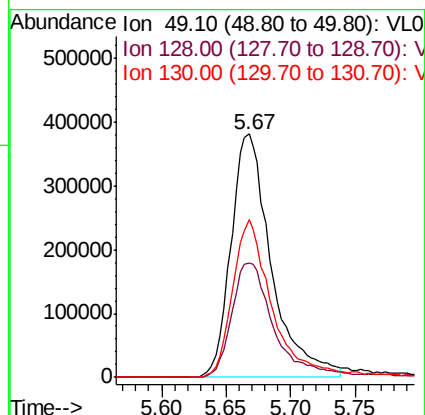
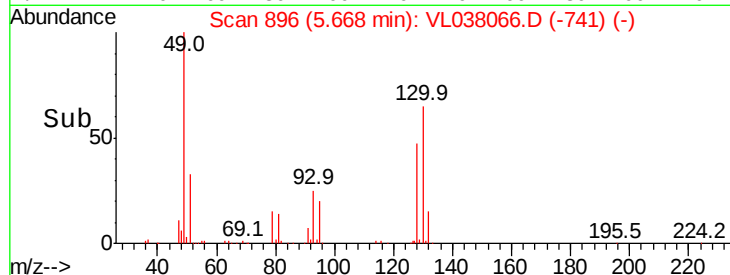
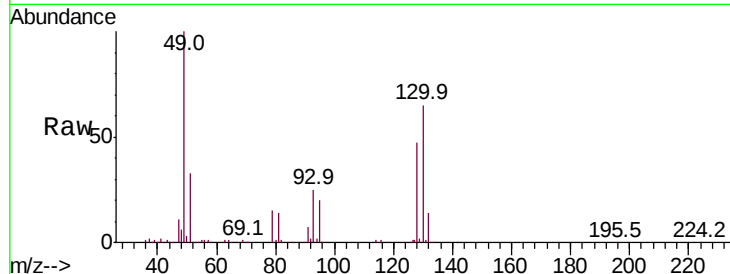
130 65.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#9

Propene

Concen: 0.599 ppbv m

RT: 3.01 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL038066.D

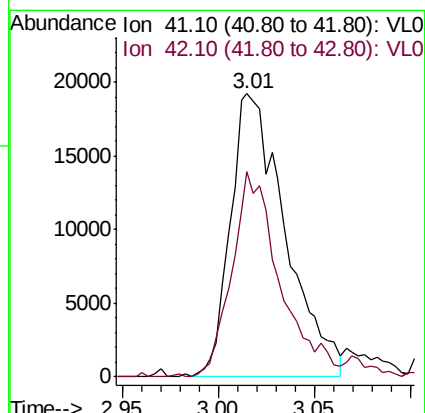
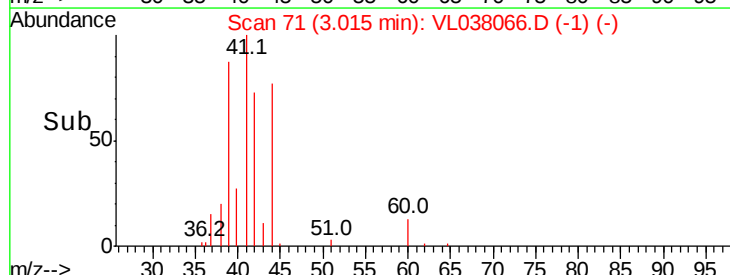
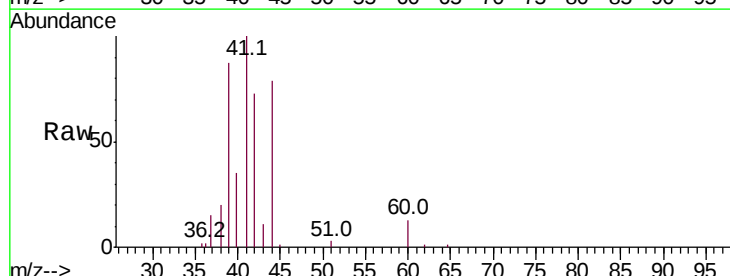
Acq: 18 Nov 2021 23:04

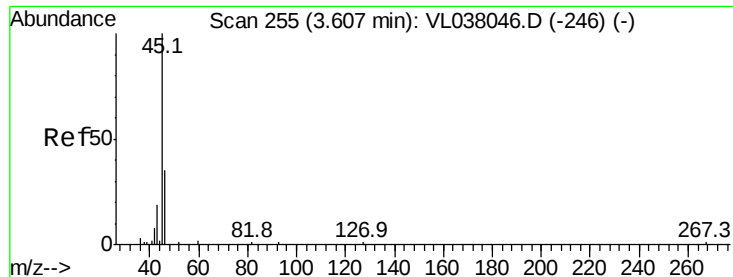
Tgt Ion: 41 Resp: 38392

Ion Ratio Lower Upper

41 100

42 67.3 53.8 80.8





#13

Ethanol

Concen: 3.835 ppbv m

RT: 3.63

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

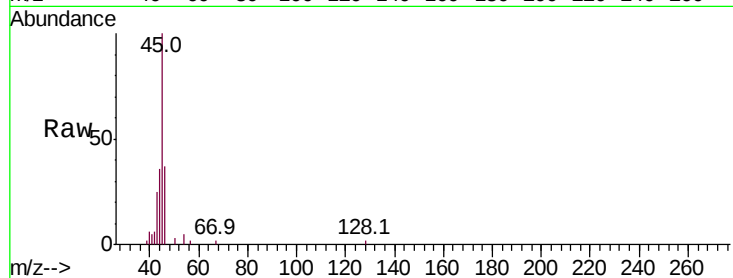
Acq: 18 Nov 2021 23:04

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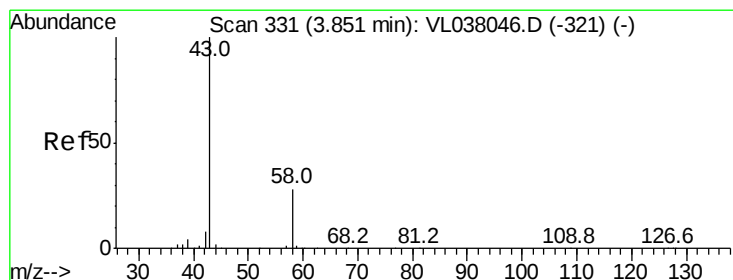
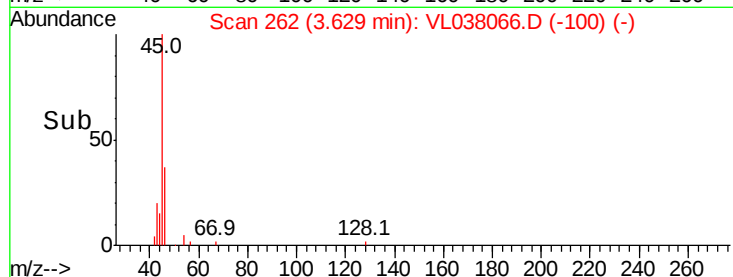
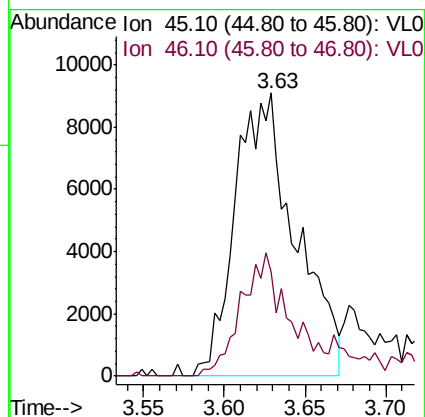


Tot Ion:

Ion Ratio

45 100

46 0.



#15

Acetone

Concen: 41.404 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL038066.D

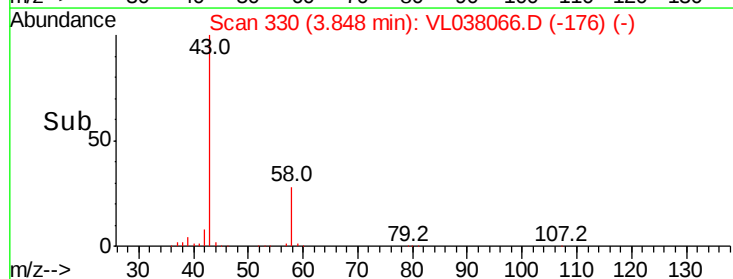
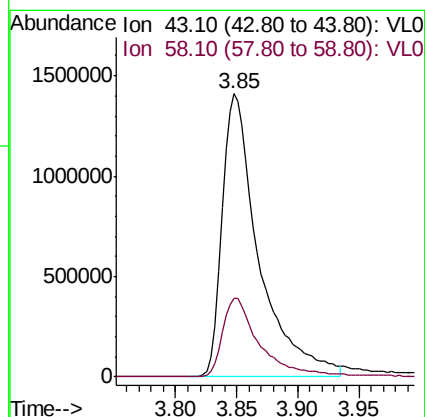
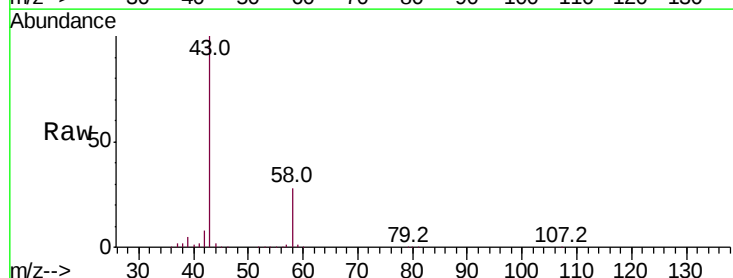
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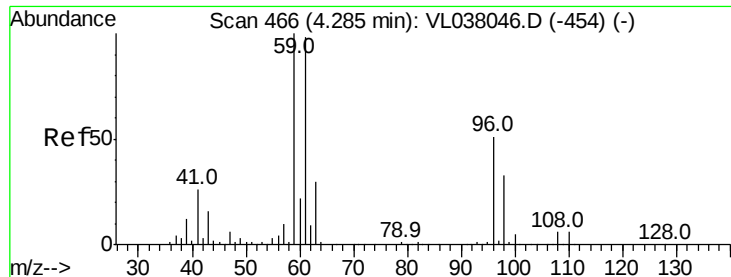
Tgt Ion: 43 Resp: 2977037

Ion Ratio Lower Upper

43 100

58 29.2 22.4 33.6





#17

tert-Butyl alcohol

Concen: 0.305 ppbv m

RT: 4.31 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 18 Nov 2021 23:04

Tot Ion:

Ion Ratio

59 100

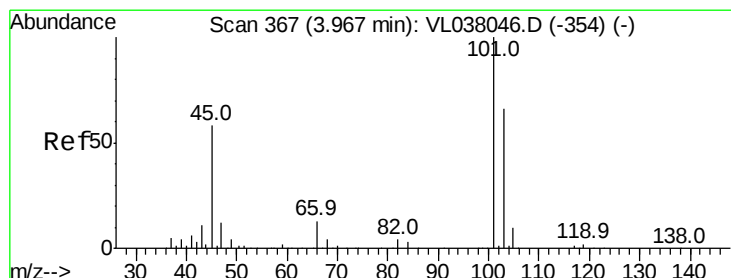
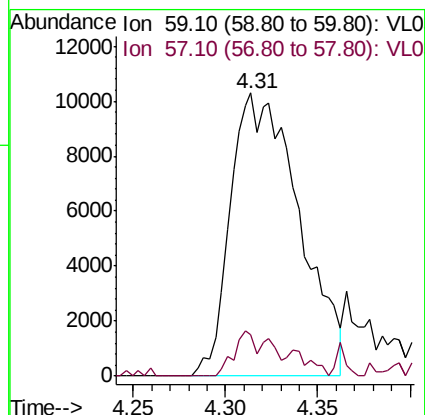
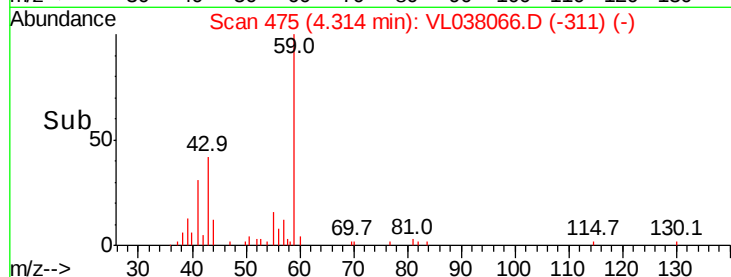
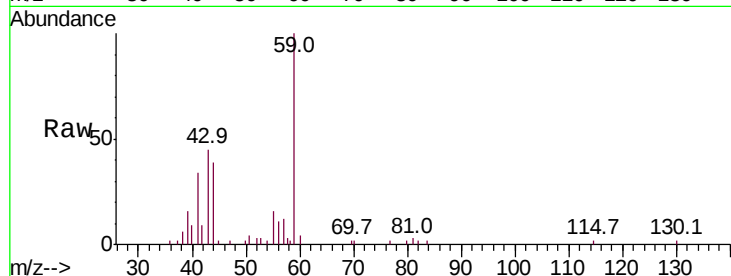
57 11.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#19

Isopropyl Alcohol

Concen: 0.450 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.02 min

Lab File: VL038066.D

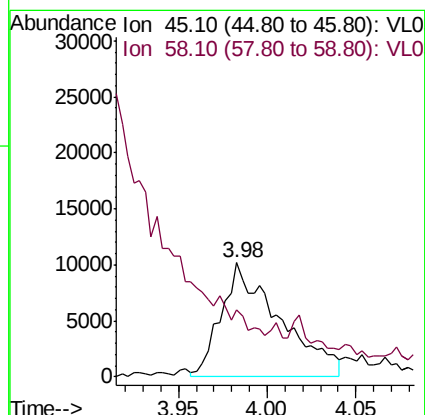
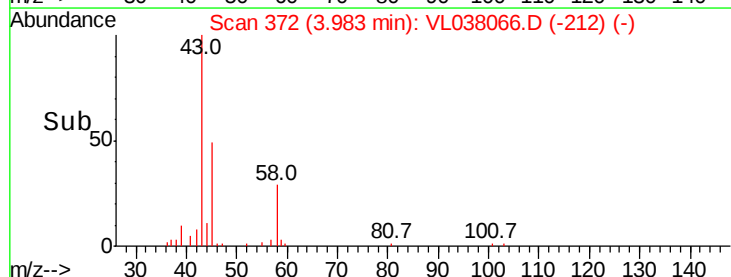
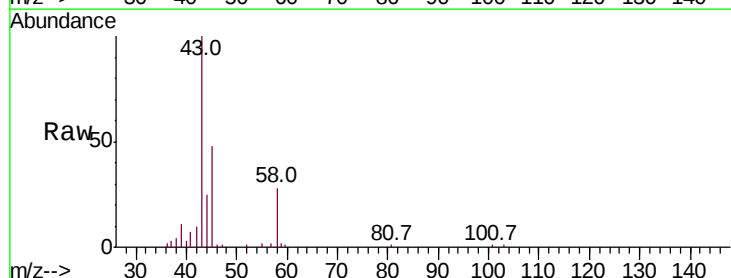
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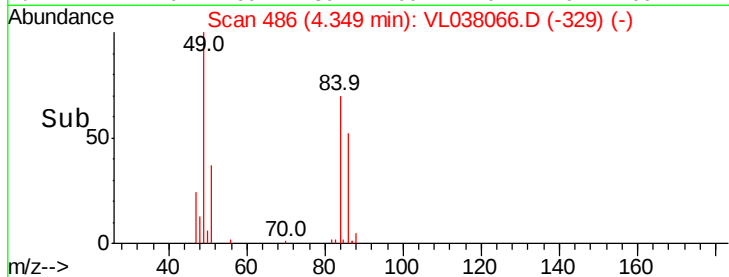
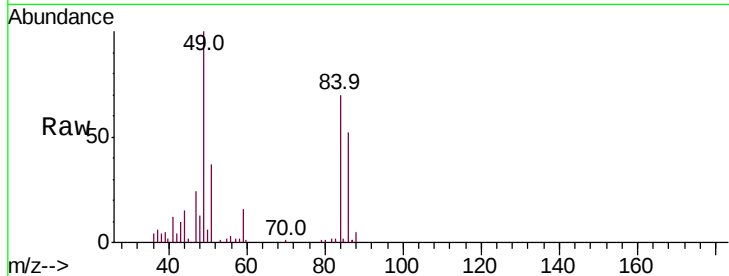
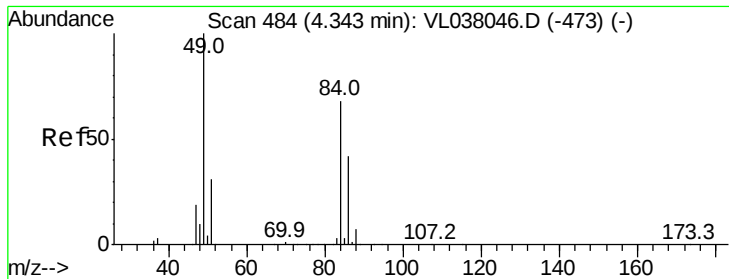
Tgt Ion: 45 Resp: 23390

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.0#



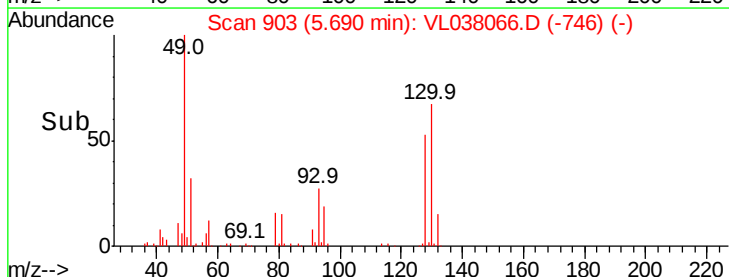
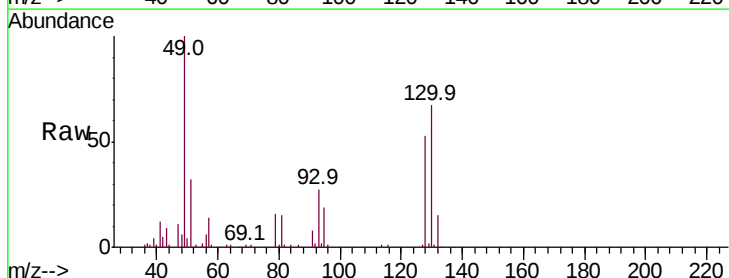
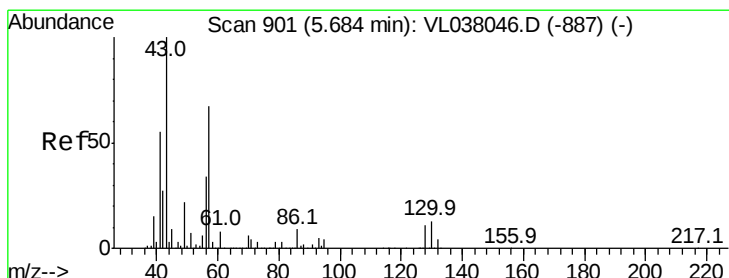
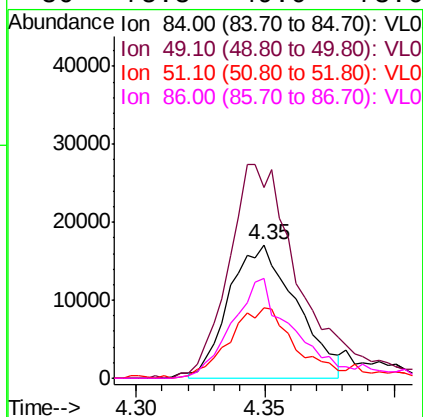


#20
Methvlene Chloride
Concen: 0.772 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 18 Nov 2021 23:04

Tot Ion:
Ion Ratio
84 100
49 144.
51 53.
86 75.8 49.0 73.6#

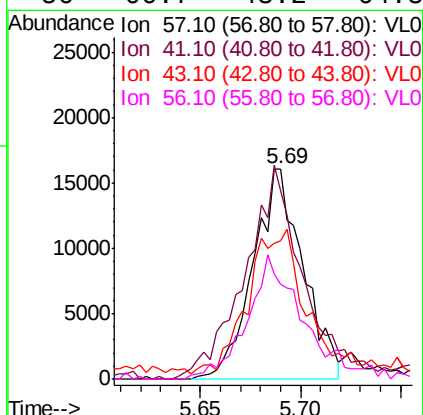
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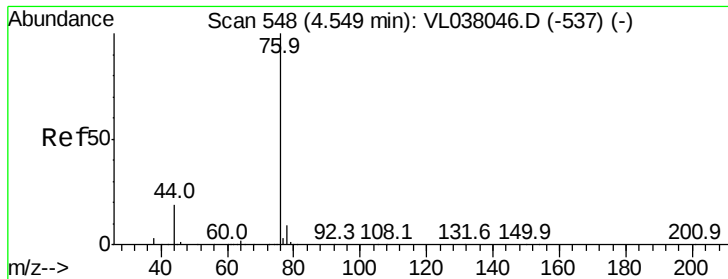
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#26
Hexane
Concen: 0.243 ppbv m
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL038066.D
Acq: 18 Nov 2021 23:04

Tgt Ion: 57 Resp: 27957
Ion Ratio Lower Upper
57 100
41 120.7 71.4 107.2#
43 81.6 174.6 261.8#
56 66.7 43.2 64.8#





#27

Carbon Disulfide

Concen: 0.108 ppbv m

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 23:04 17-TOTEN-STREETDL

Tot Ion:

Ion Ratio

76 100

44 38.

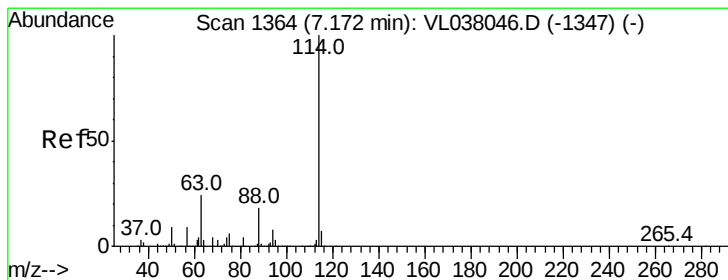
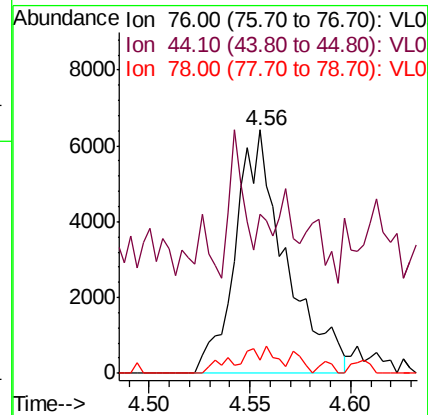
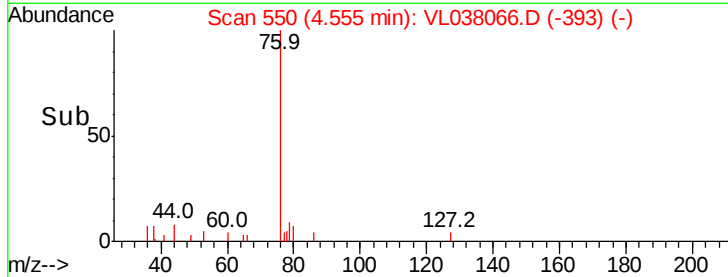
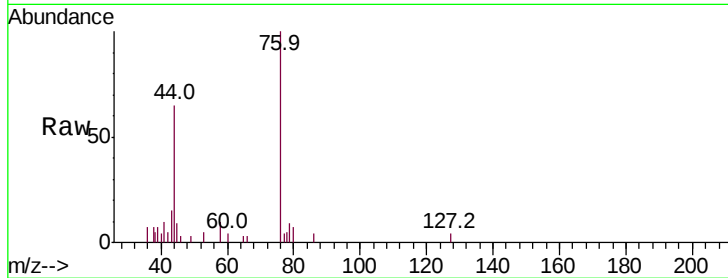
78 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VL038066.D

Acq: 18 Nov 2021 23:04

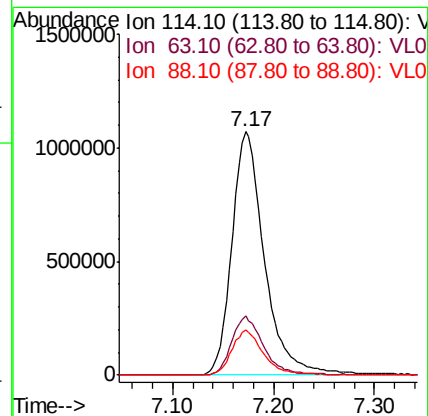
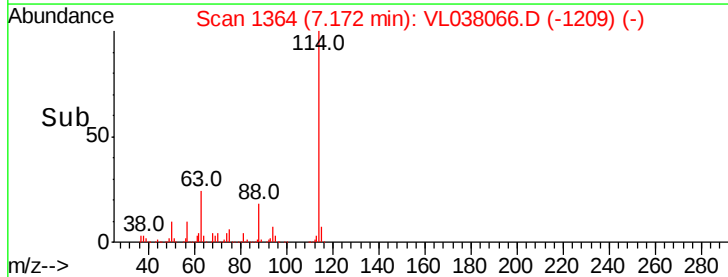
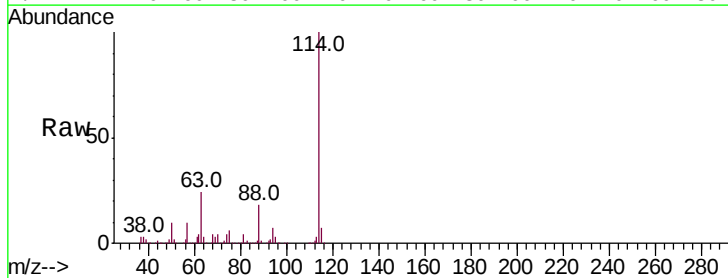
Tgt Ion:114 Resp: 2401489

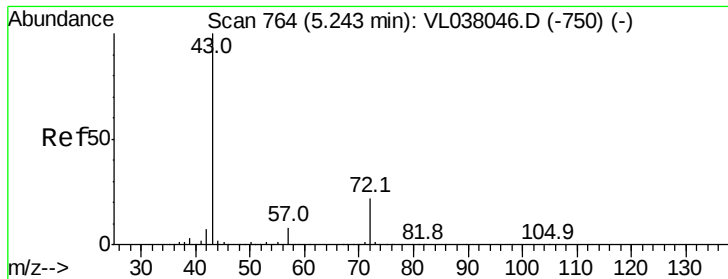
Ion Ratio Lower Upper

114 100

63 24.3 19.7 29.5

88 18.2 14.4 21.6



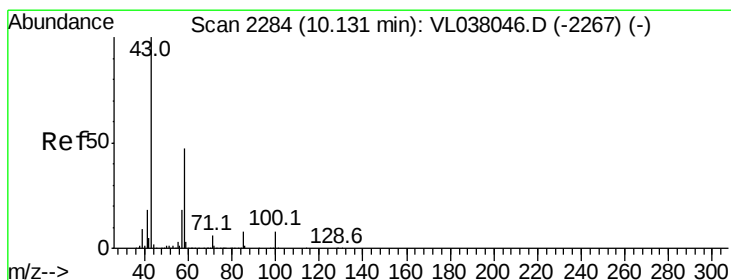
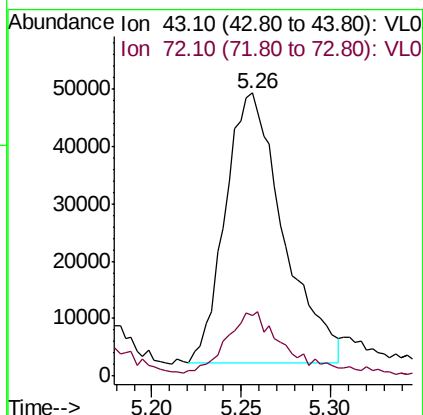
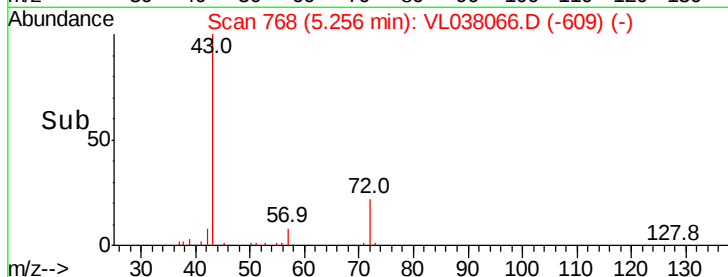
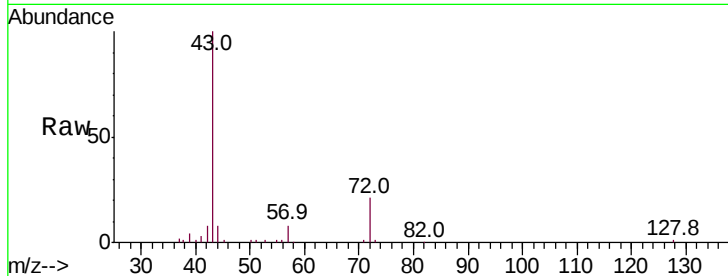


#34
2-Butanone
Concen: 1.100 ppbv
RT: 5.26
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 18 Nov 2021 23:04

Tot Ion:
Ion Ratio
43 100
72 27.

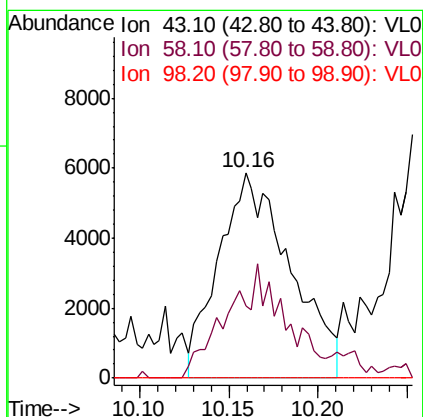
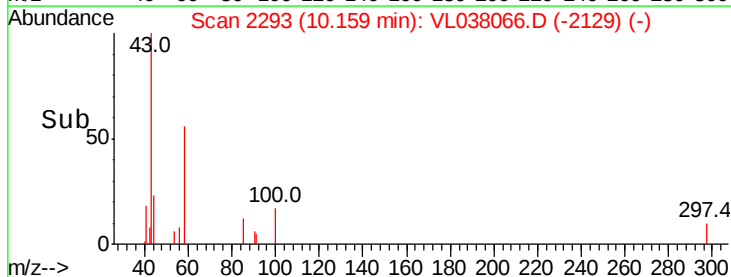
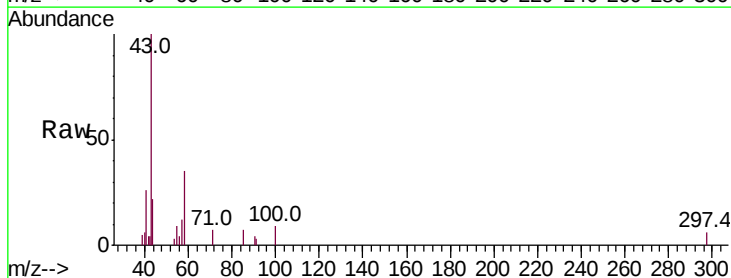
Manual Integrations
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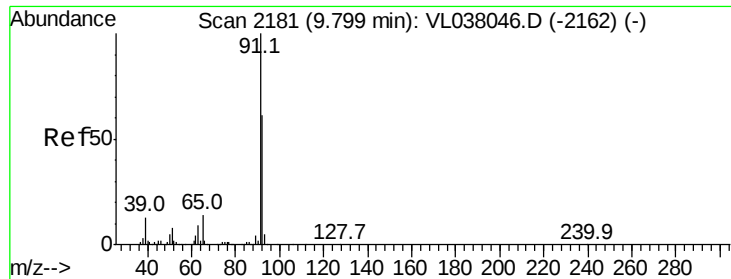
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#51
2-Hexanone
Concen: 0.237 ppbv m
RT: 10.16 min Scan# 2293
Delta R.T. 0.03 min
Lab File: VL038066.D
Acq: 18 Nov 2021 23:04

Tgt Ion: 43 Resp: 16428
Ion Ratio Lower Upper
43 100
58 0.0 41.1 61.7#
98 0.0 0.1 0.1#





#53

Toluene

Concen: 0.453 ppbv

RT: 9.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 23:04

Tot Ion:

Ion Ratio

91 100

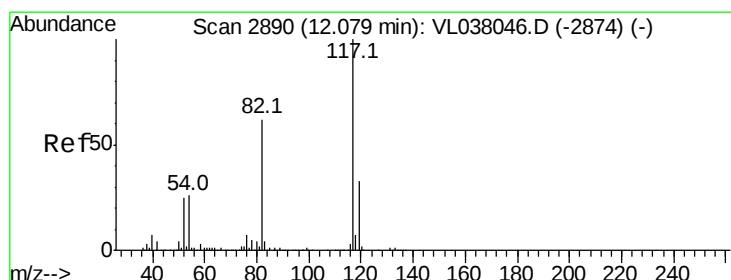
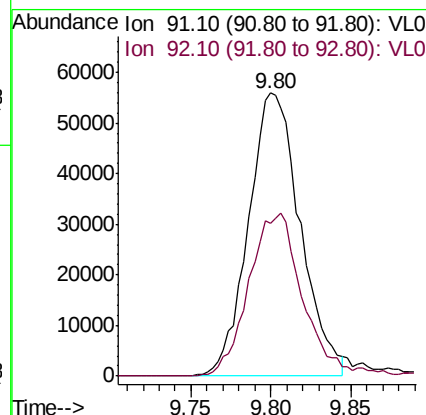
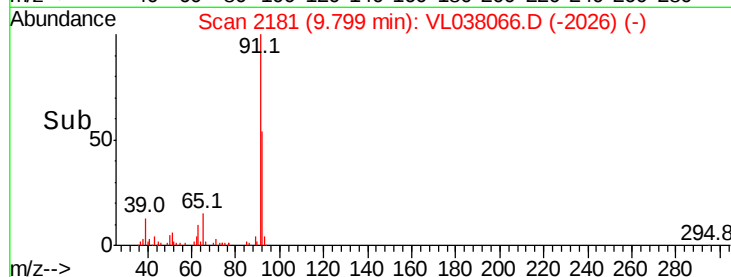
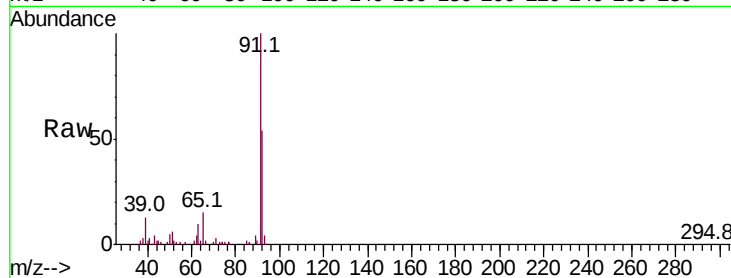
92 61.

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 11/29/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: VL038066.D

Acq: 18 Nov 2021 23:04

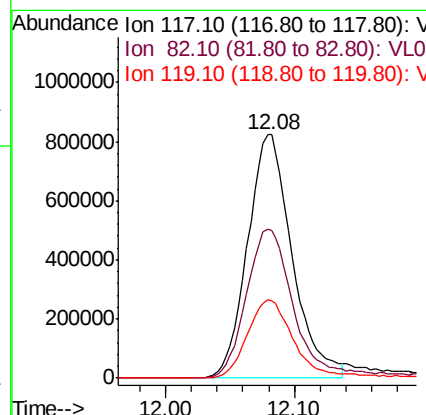
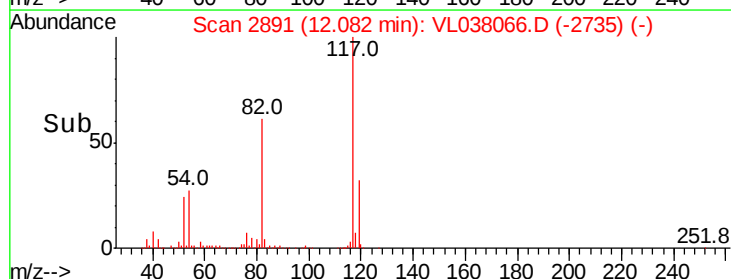
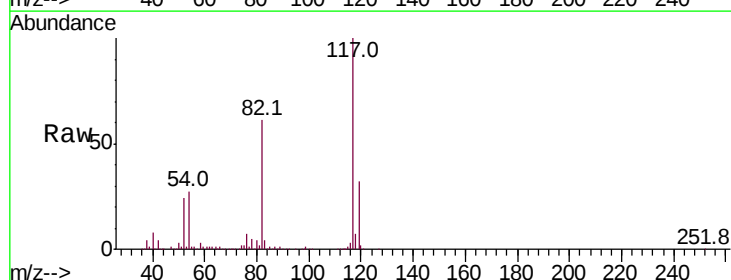
Tgt Ion:117 Resp: 1983496

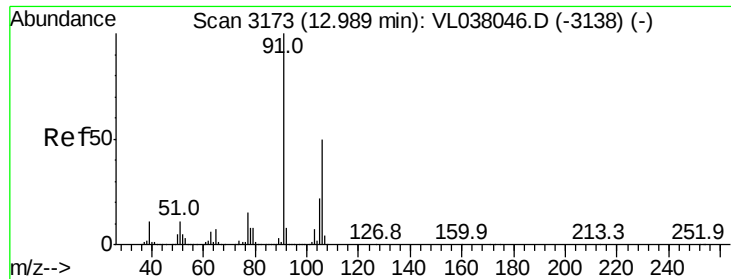
Ion Ratio Lower Upper

117 100

82 67.9 52.8 79.2

119 34.9 26.8 40.2



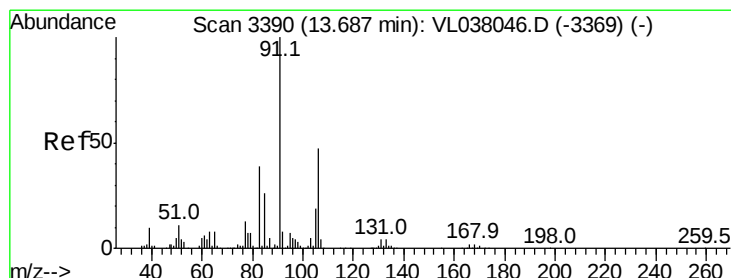
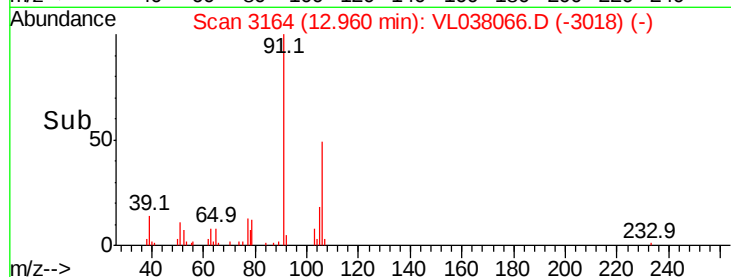
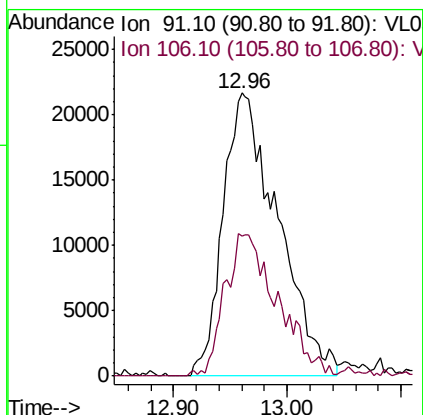
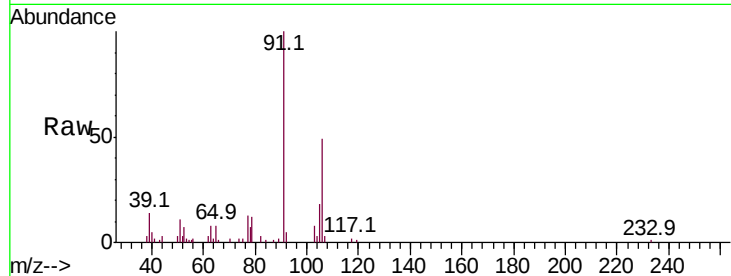


#59
m/p-Xylene
Concen: 0.263 ppbv m
RT: 12.96 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 18 Nov 2021 23:04

Tot Ion:
Ion Ratio
91 100
106 0.

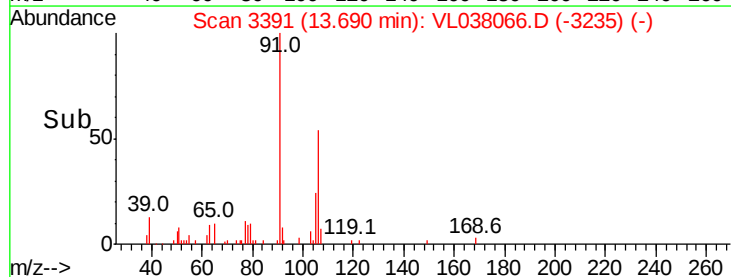
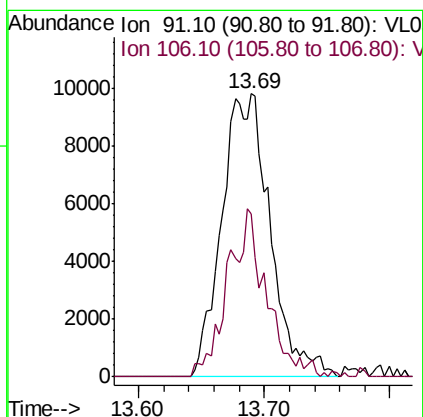
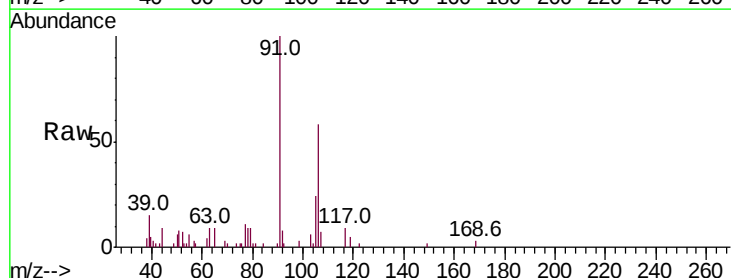
Manual Integrations
APPROVED

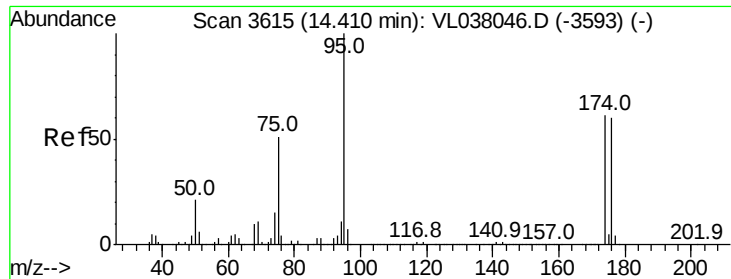
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#60
o-Xylene
Concen: 0.102 ppbv m
RT: 13.69 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VL038066.D
Acq: 18 Nov 2021 23:04

Tgt Ion: 91 Resp: 26213
Ion Ratio Lower Upper
91 100
106 47.7 24.2 72.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.253 ppbv
 RT: 14.41
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Nov 2021 23:04

Tot Ion:
 Ion Rati
 95 100
 174 67.
 175 4.

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021

