

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036496.D
 Acq On : 25 Mar 2021 21:26
 Operator : SY/AP
 Sample : M1748-31
 Misc : 400ml/MSVOA L
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 UP-SG-2(2021)

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/28/2021
 Supervised By :Mahesh Dadoda 03/29/2021

Quant Time: Mar 28 23:33:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1558281	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3567532	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3221385	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2457403	9.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	42486	0.167	ppbv	95
3) Chlorodifluoromethane	2.98	51	77326m	0.266	ppbv	
4) Chloromethane	3.14	50	33023	0.321	ppbv	100
9) Propene	3.02	41	42253m	0.455	ppbv	
11) Trichlorofluoromethane	3.95	101	51446	0.199	ppbv	90
13) Ethanol	3.62	45	781197m	70.679	ppbv	
15) Acetone	3.84	43	2681784	17.486	ppbv	99
19) Isopropyl Alcohol	3.99	45	193029m	2.288	ppbv	
20) Methylene Chloride	4.34	84	1441772	20.078	ppbv	93
26) Hexane	5.68	57	1609919	9.514	ppbv #	47
34) 2-Butanone	5.26	43	91039m	0.523	ppbv	
35) Carbon Tetrachloride	7.02	117	11037m	0.040	ppbv	
36) Benzene	6.89	78	127103	0.386	ppbv	95
38) Trichloroethene	7.84	130	249087	1.945	ppbv	98
52) Tetrachloroethene	11.23	164	254921	2.104	ppbv	98
53) Toluene	9.81	91	111727	0.319	ppbv	97

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

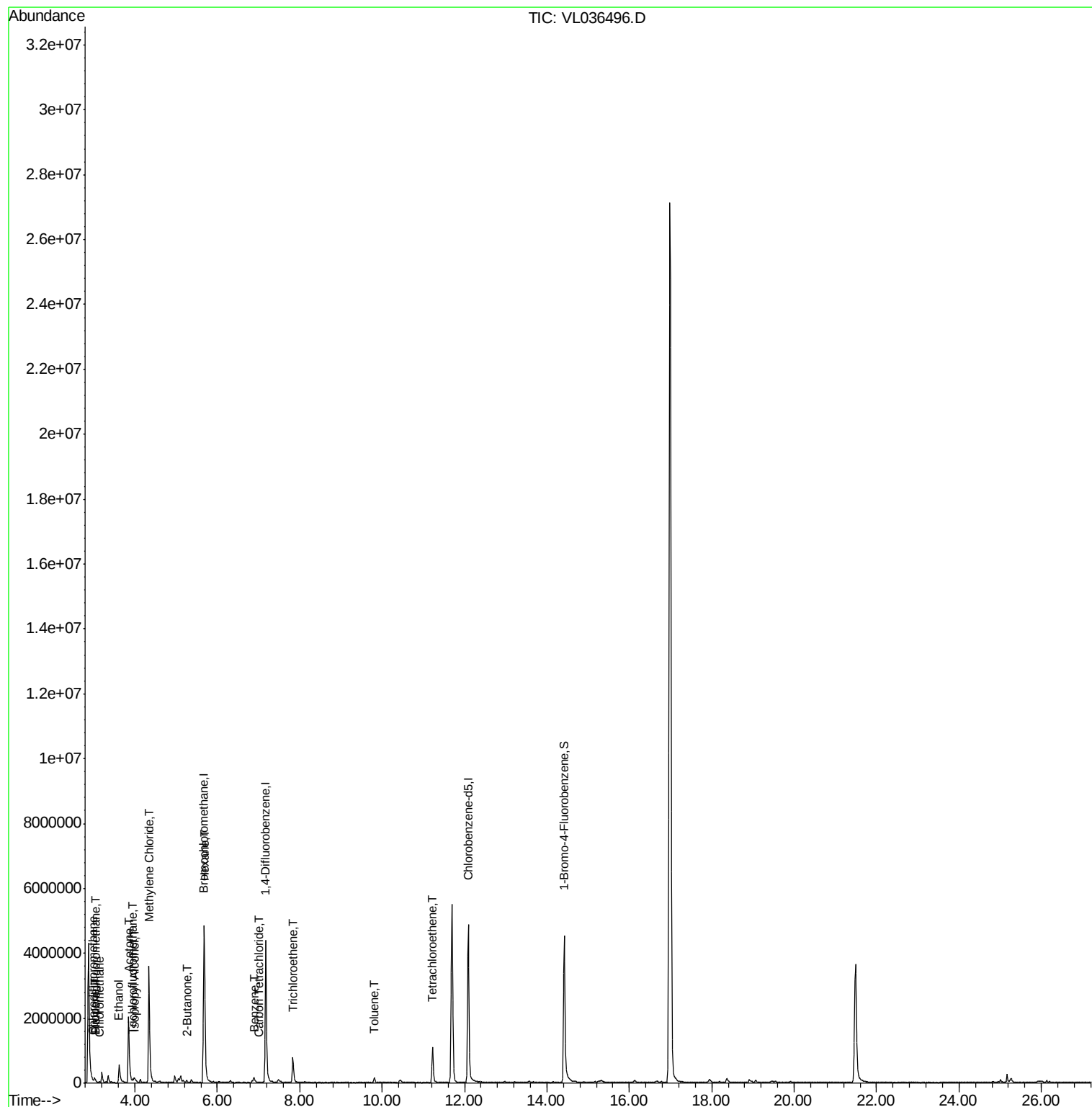
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032521\
Data File : VL036496.D
Acq On : 25 Mar 2021 21:26
Operator : SY/AP
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MSVOA_L
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UP-SG-2(2021)

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QLast Update : Thu Mar 25 09:42:40 2021
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Supervised By :Mahesh Dadoda 03/29/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_L

Delta R.T.:

Lab File: ClientSampleId:

Acq: 25 Mar 2021 21:20

Tot Ion:

Ion Ratio

49 100

128 43.

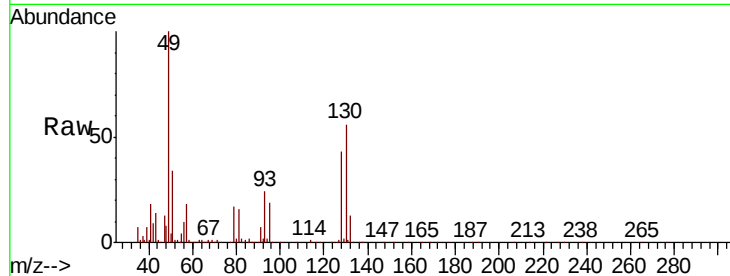
130 56.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/28/2021

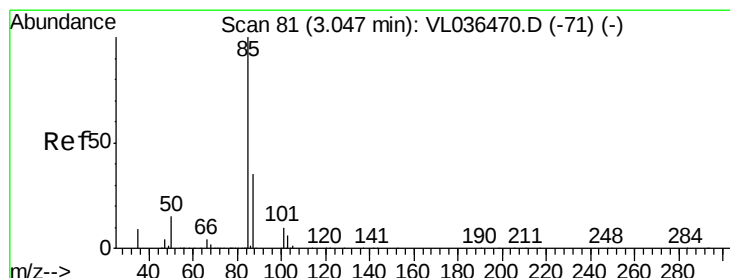
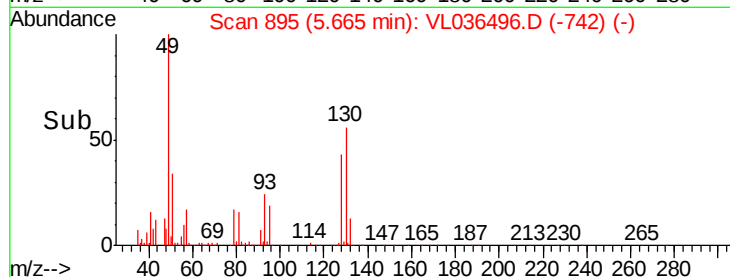
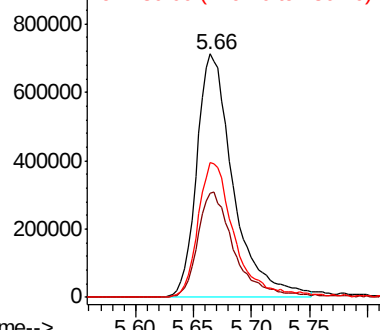
Supervised By :Mahesh Dadoda 03/29/2021



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.167 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036496.D

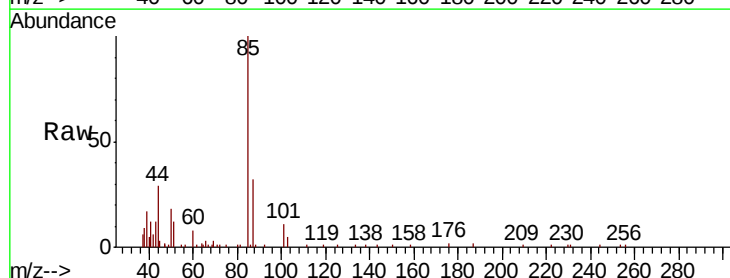
Acq: 25 Mar 2021 21:26

Tgt Ion: 85 Resp: 42486

Ion Ratio Lower Upper

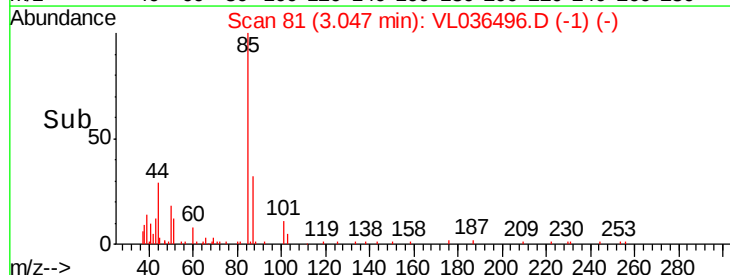
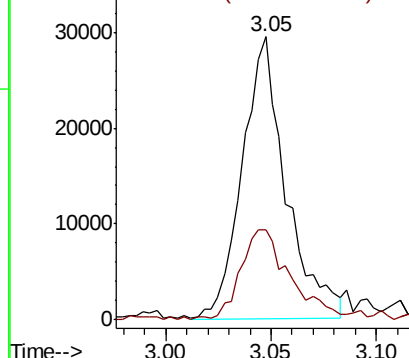
85 100

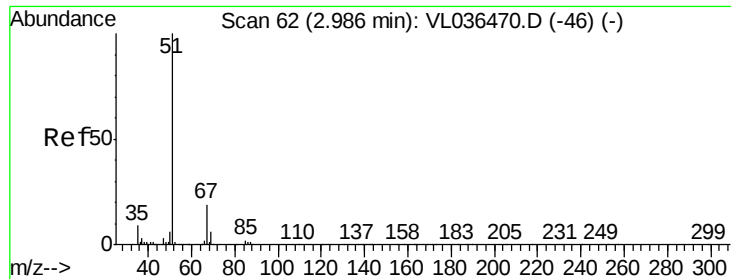
87 31.9 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.266 ppbv m

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 21:20

Tot Ion:

Ion Ratio

51 100

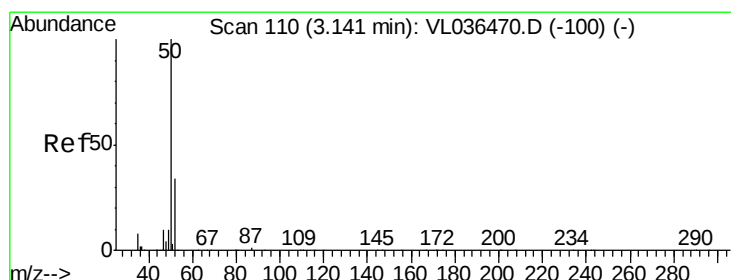
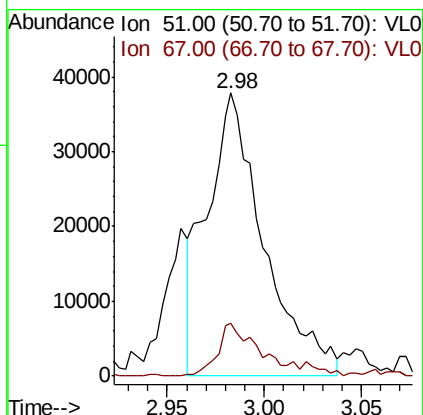
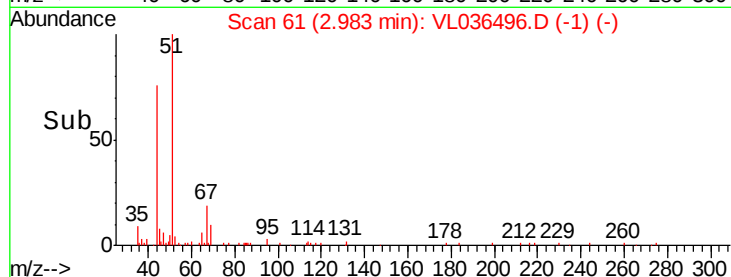
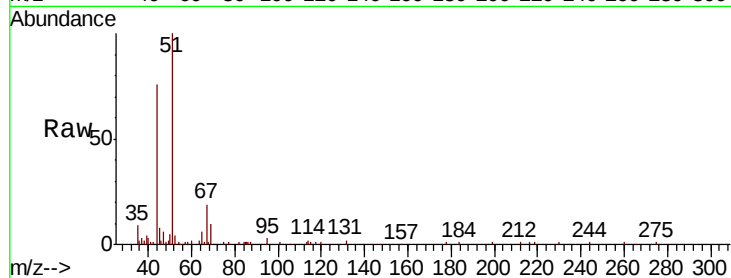
67 15.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



#4

Chloromethane

Concen: 0.321 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL036496.D

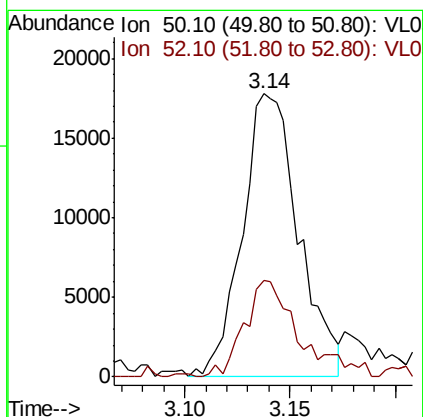
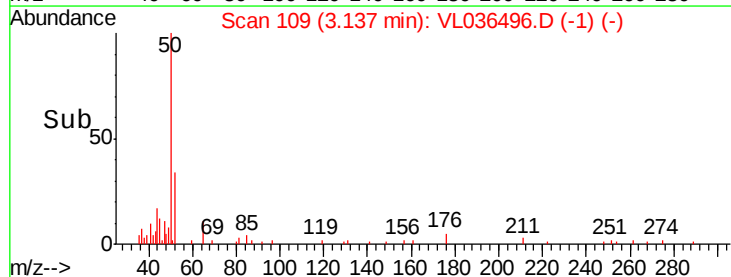
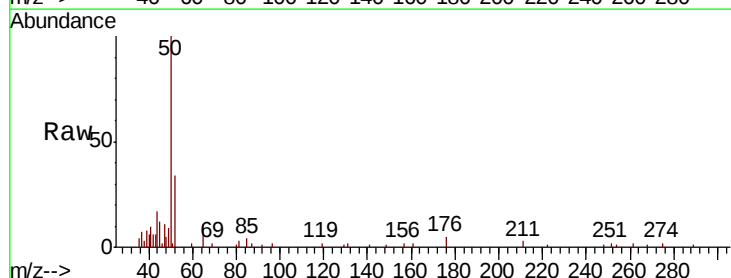
Acq: 25 Mar 2021 21:26

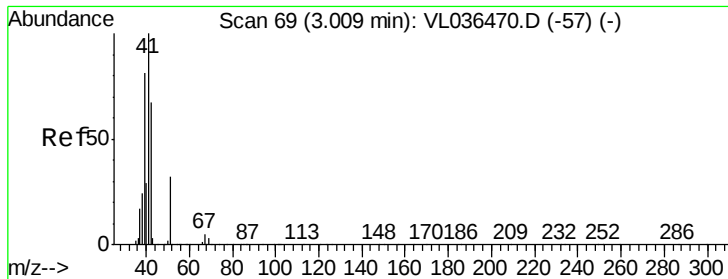
Tgt Ion: 50 Resp: 33023

Ion Ratio Lower Upper

50 100

52 34.0 27.0 40.6





#9

Propene

Concen: 0.455 ppbv m

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 21:20

Tot Ion:

Ion Ratio

41 100

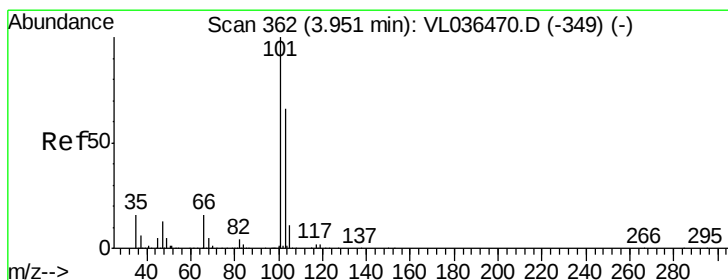
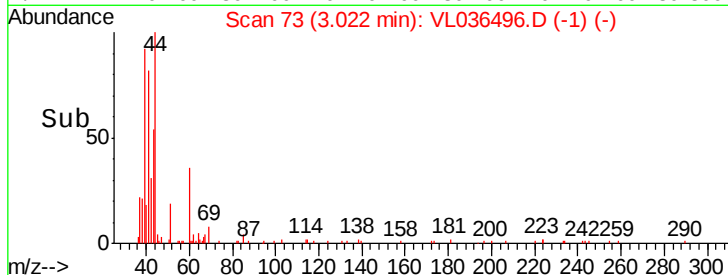
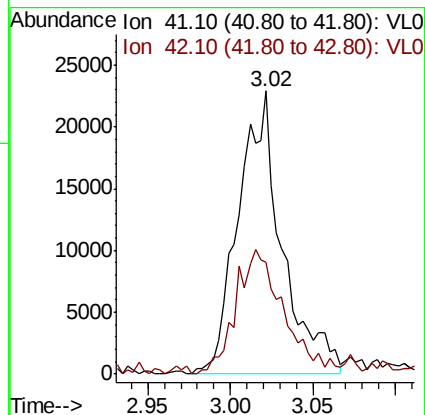
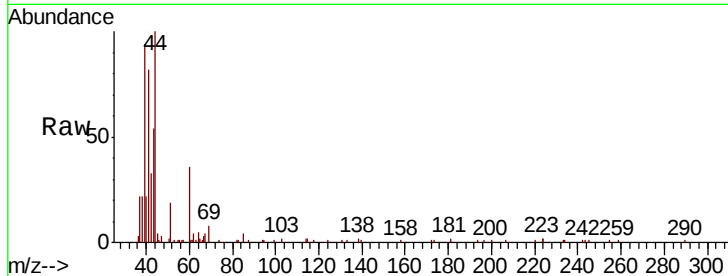
42 49.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



#11

Trichlorofluoromethane

Concen: 0.199 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL036496.D

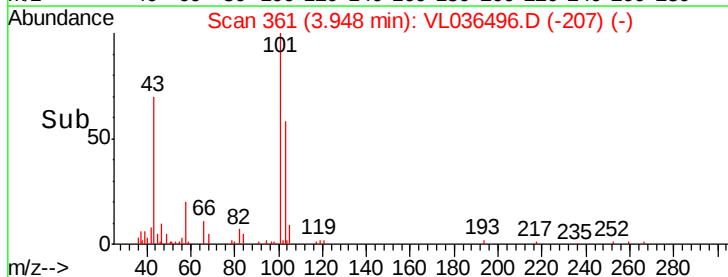
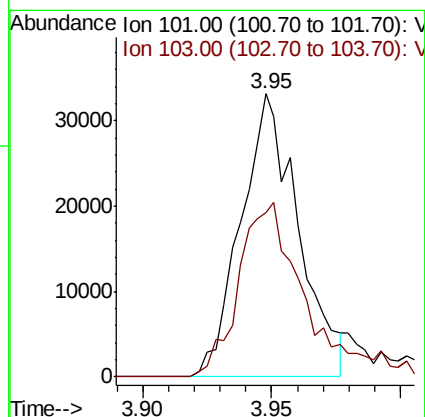
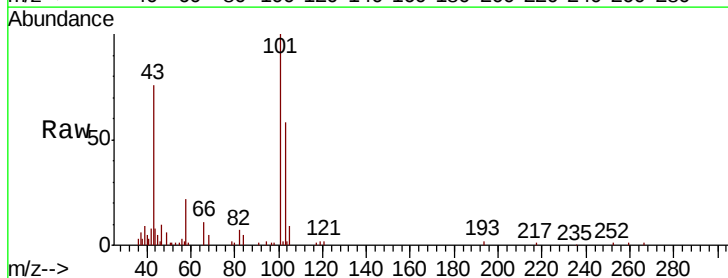
Acq: 25 Mar 2021 21:26

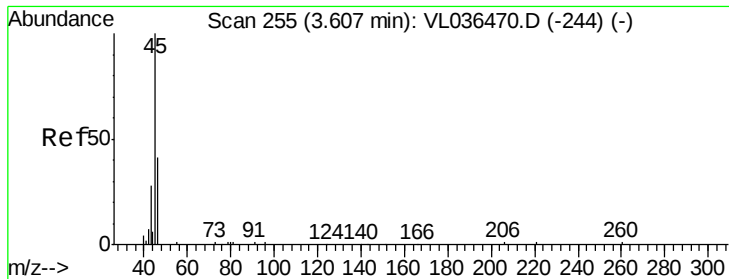
Tgt Ion:101 Resp: 51446

Ion Ratio Lower Upper

101 100

103 58.0 52.5 78.7



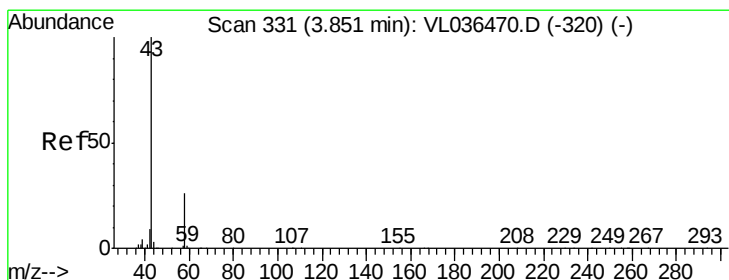
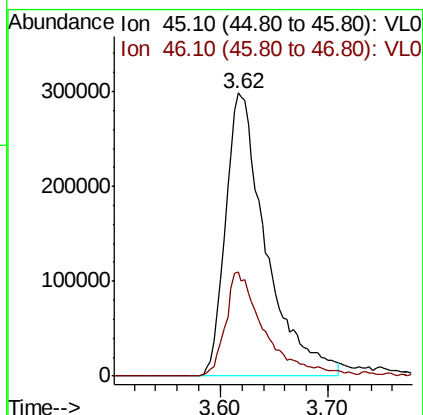
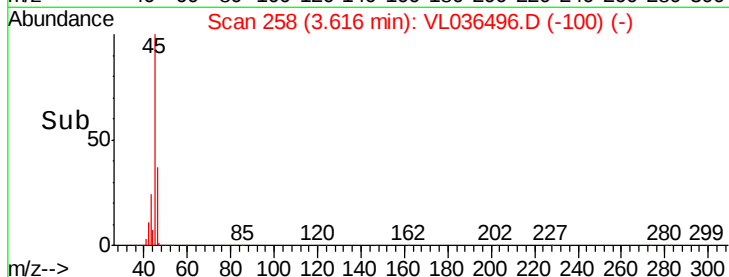
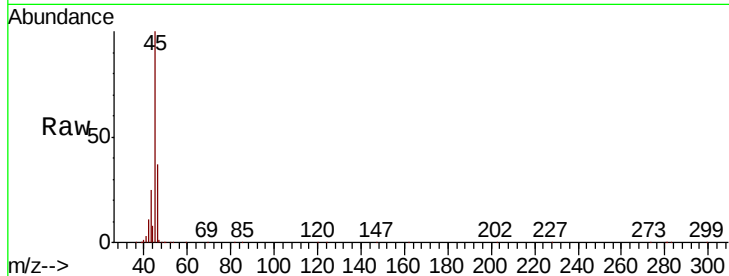


#13
 Ethanol
 Concen: 70.679 ppbv m
 RT: 3.62
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 UP-SG-2(2021)
 Acq: 25 Mar 2021 21:20

Tot Ion:
 Ion Ratio
 45 100
 46 36.

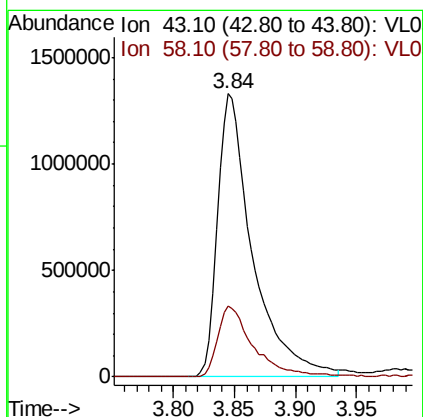
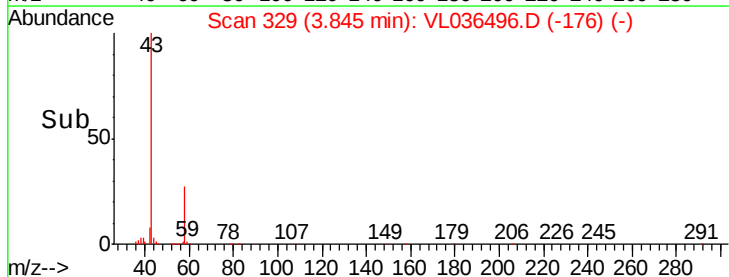
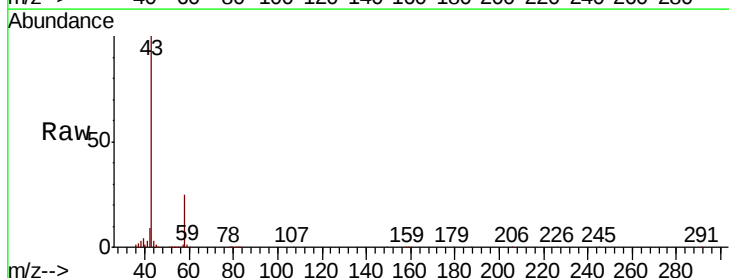
Manual Integrations
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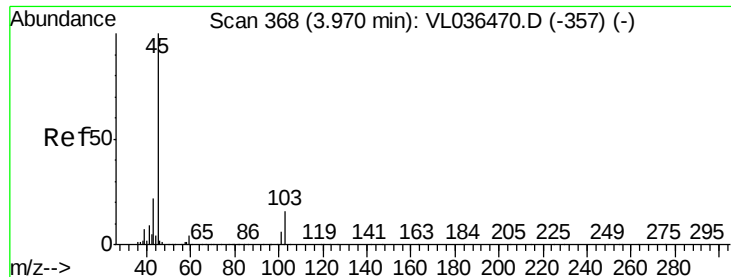
Reviewed By :Semsettin Yesilyurt 03/28/2021
 Supervised By :Mahesh Dadoda 03/29/2021



#15
 Acetone
 Concen: 17.486 ppbv
 RT: 3.84 min Scan# 329
 Delta R.T. -0.01 min
 Lab File: VL036496.D
 Acq: 25 Mar 2021 21:26

Tgt Ion: 43 Resp: 2681784
 Ion Ratio Lower Upper
 43 100
 58 25.8 21.2 31.8





#19

Isopropyl Alcohol

Concen: 2.288 ppbv m

RT: 3.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 21:20

Tot Ion:

Ion Ratio

45 100

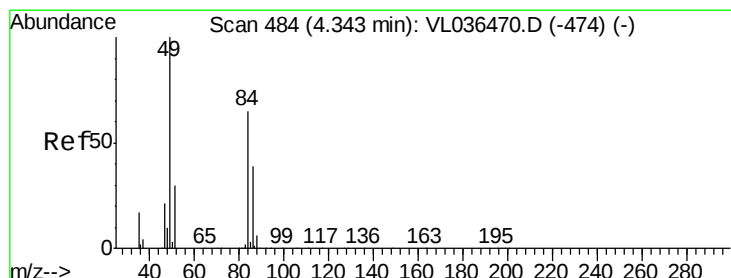
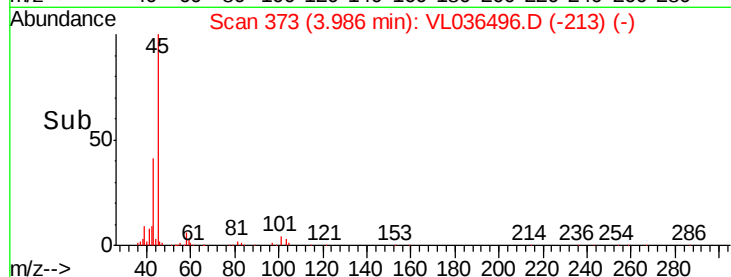
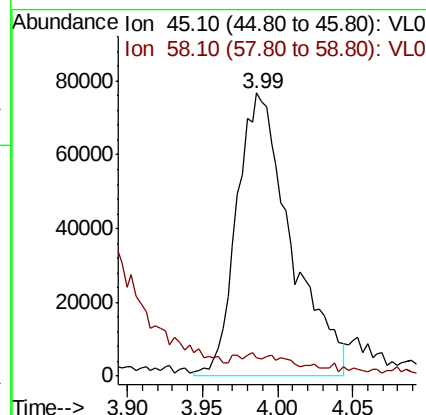
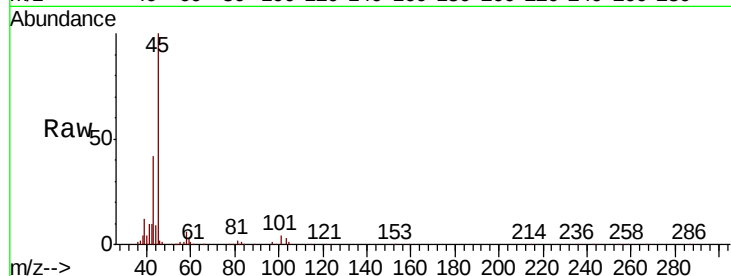
58 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



#20

Methylene Chloride

Concen: 20.078 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL036496.D

Acq: 25 Mar 2021 21:26

Tgt Ion: 84 Resp: 1441772

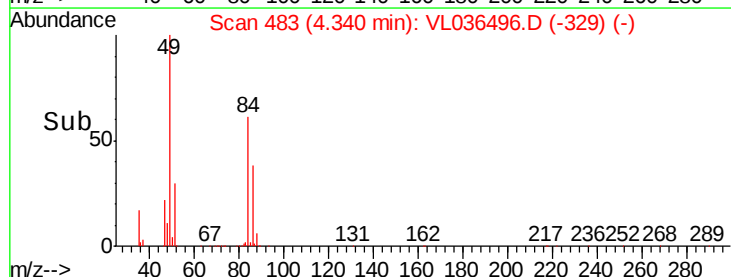
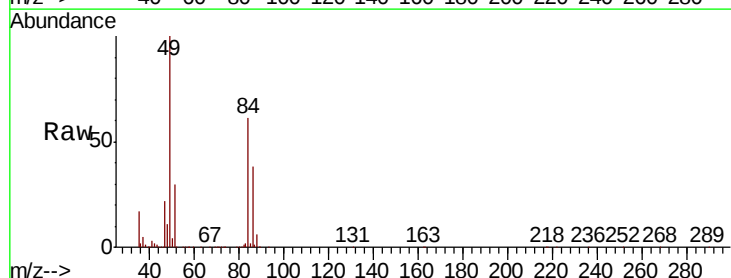
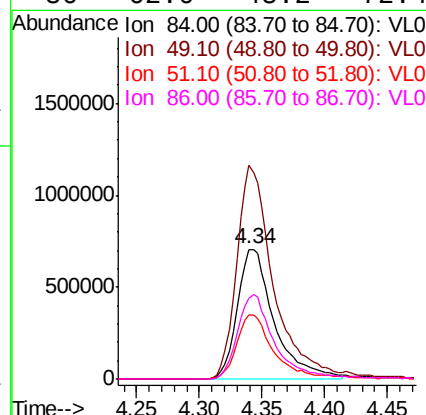
Ion Ratio Lower Upper

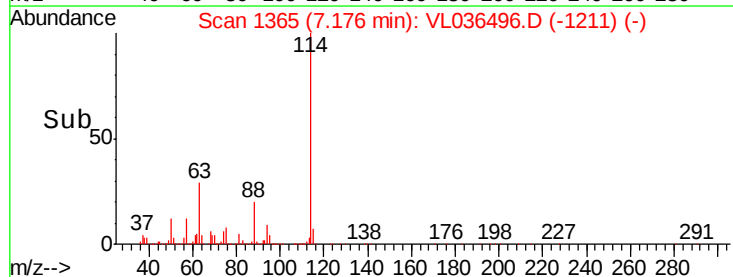
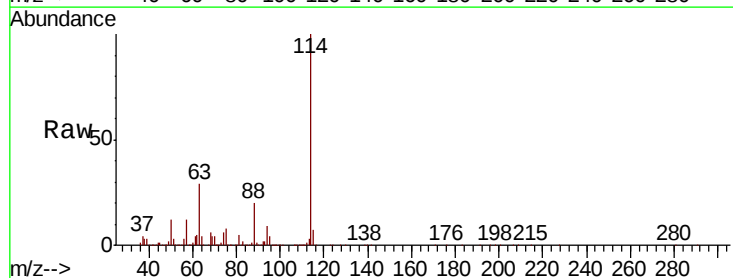
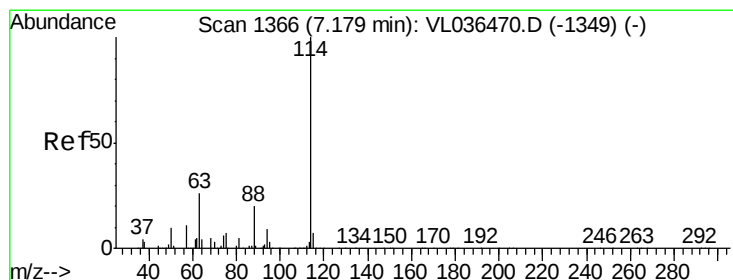
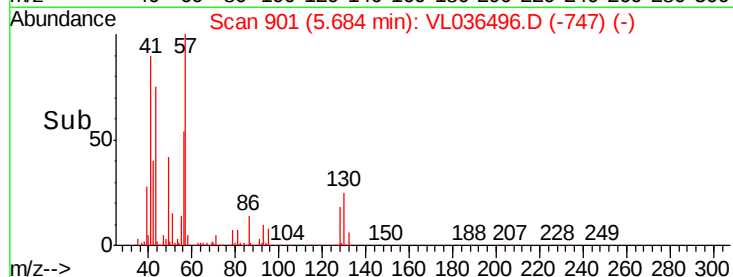
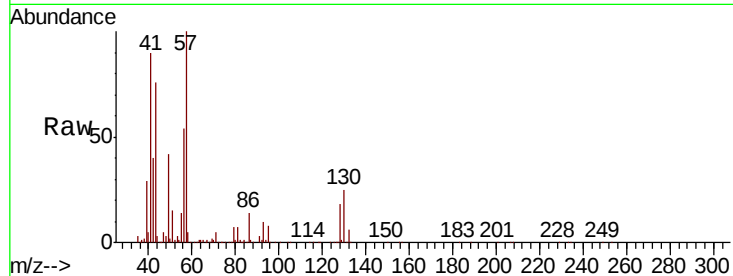
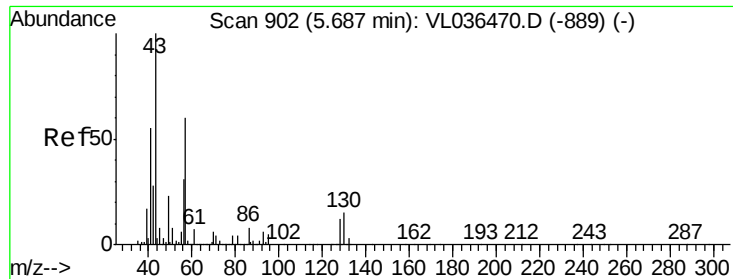
84 100

49 165.0 122.9 184.3

51 49.7 36.9 55.3

86 62.0 48.2 72.4





#26

Hexane

Concen: 9.514 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 21:26 UP-SG-2(2021)

Tot Ion:

Ion Ratio

57 100

41 97.

43 76.

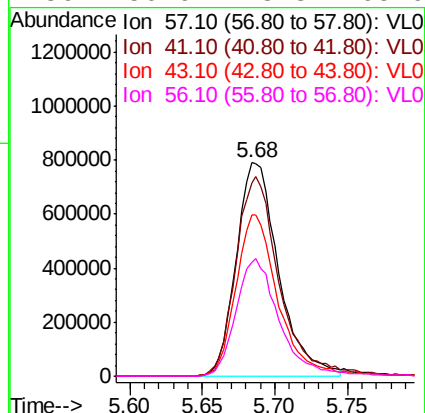
56 56.6 43.8 65.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL036496.D

Acq: 25 Mar 2021 21:26

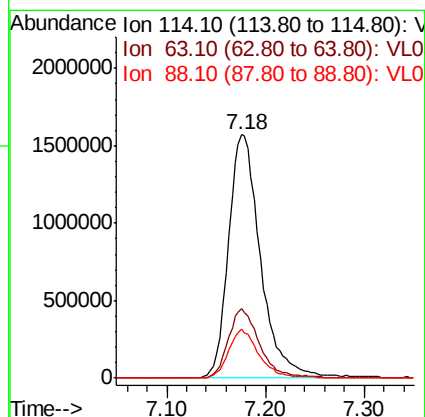
Tgt Ion:114 Resp: 3567532

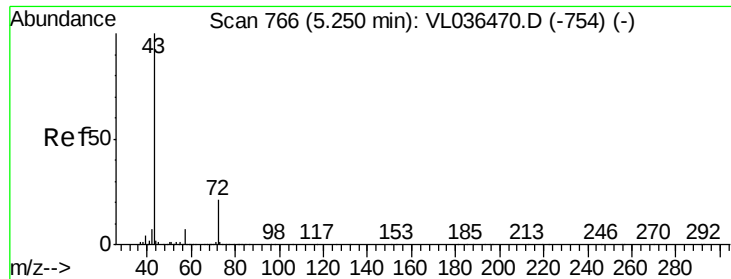
Ion Ratio Lower Upper

114 100

63 28.1 22.4 33.6

88 19.4 15.4 23.0





#34

2-Butanone

Concen: 0.523 ppbv m

RT: 5.26 Instrument: MSVOA_1

Delta R.T. -0.00 min

Lab File: ClientSampleId: UP-SG-2(2021)

Acq: 25 Mar 2021 21:20

Tot Ion:

Ion Ratio

43 100

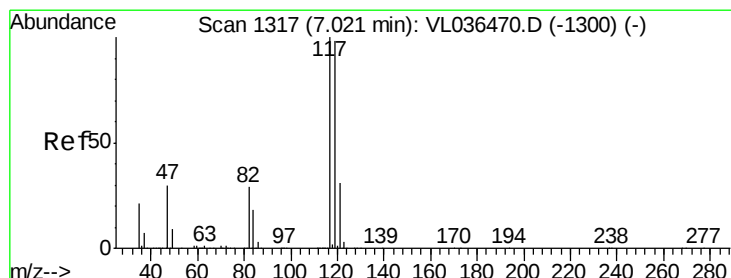
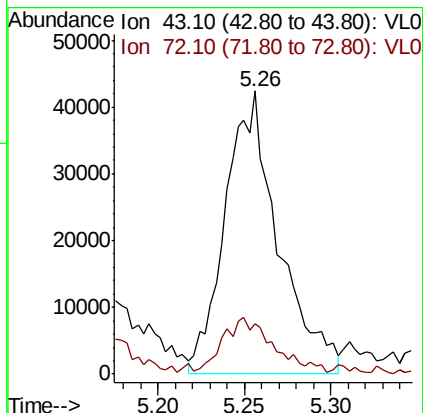
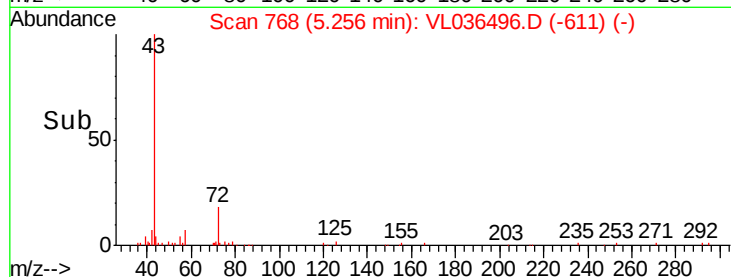
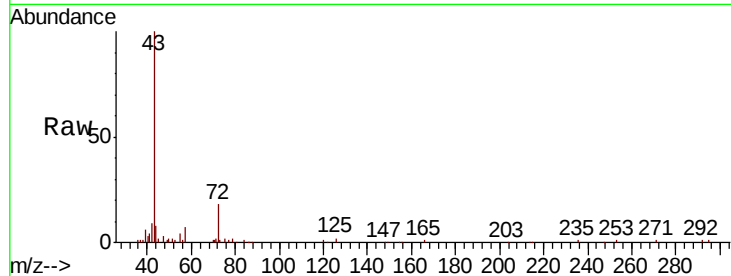
72 20.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



#35

Carbon Tetrachloride

Concen: 0.040 ppbv m

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL036496.D

Acq: 25 Mar 2021 21:26

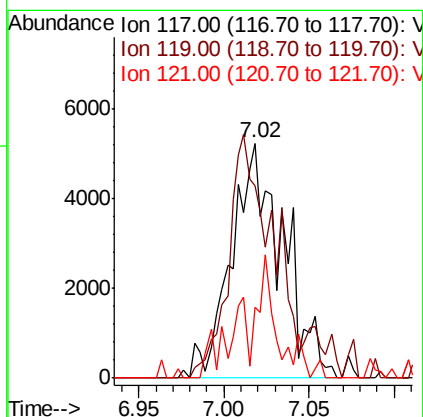
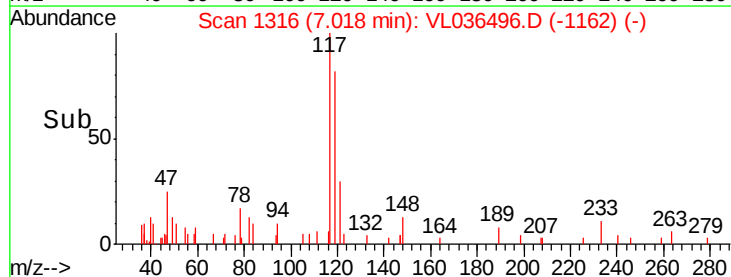
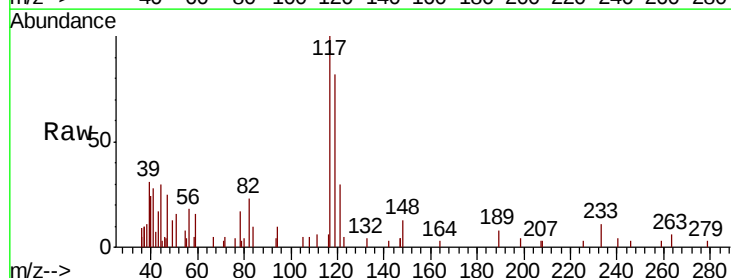
Tgt Ion:117 Resp: 11037

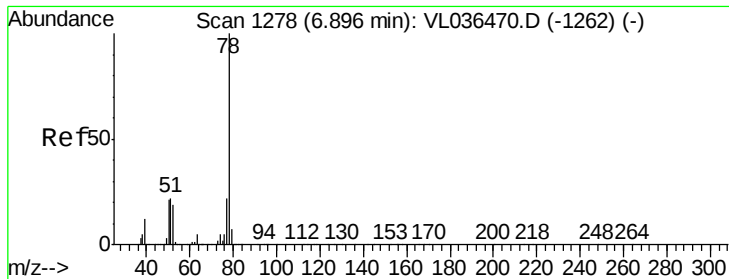
Ion Ratio Lower Upper

117 100

119 82.1 78.2 117.2

121 30.1 24.5 36.7



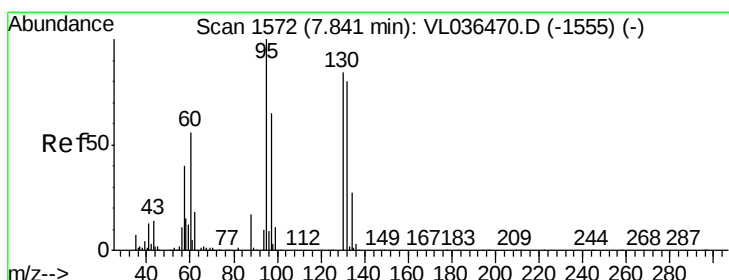
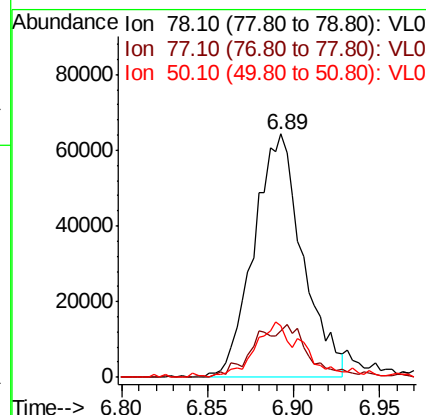
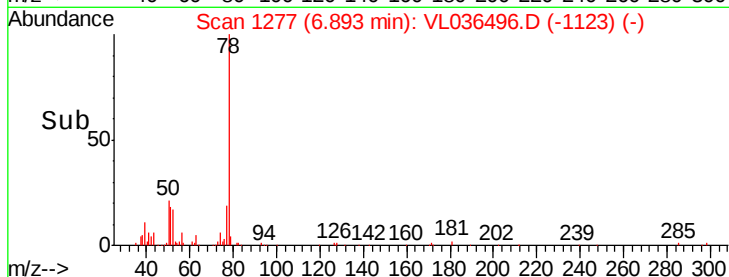
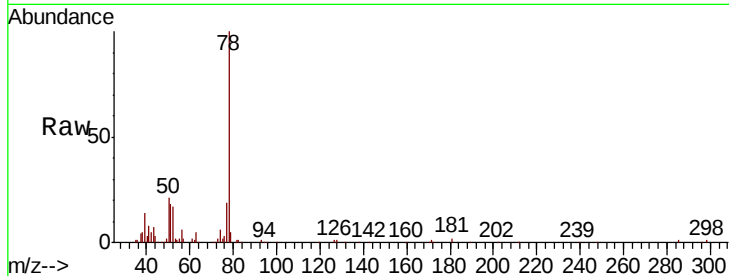


#36
Benzene
Concen: 0.386 ppbv
RT: 6.89
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
UP-SG-2(2021)
Acq: 25 Mar 2021 21:20

Tot Ion:
Ion Ratio
78 100
77 19.
50 19.

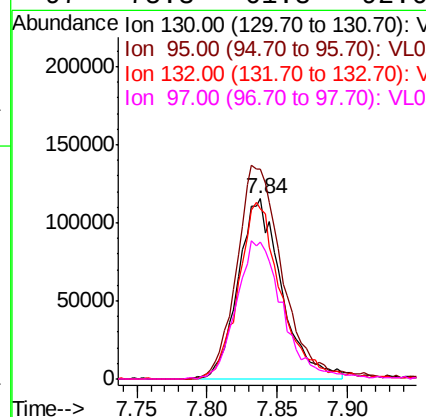
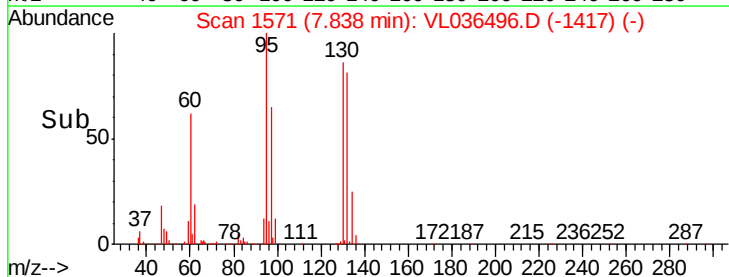
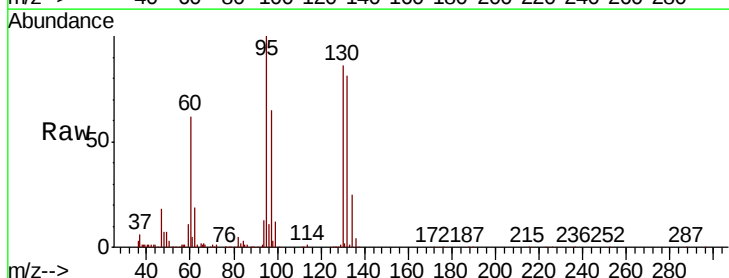
Manual Integrations
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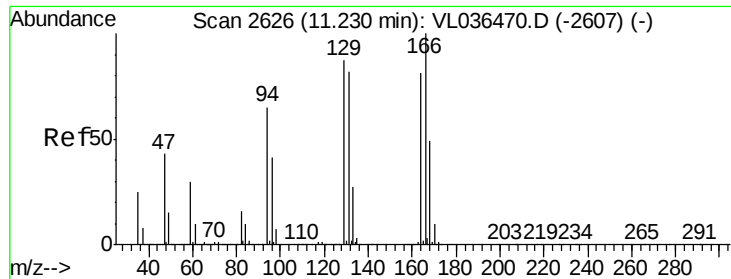
Reviewed By :Semsettin Yesilyurt 03/28/2021
Supervised By :Mahesh Dadoda 03/29/2021



#38
Trichloroethene
Concen: 1.945 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL036496.D
Acq: 25 Mar 2021 21:26

Tgt Ion:130 Resp: 249087
Ion Ratio Lower Upper
130 100
95 115.7 95.7 143.5
132 93.9 76.2 114.4
97 75.3 61.8 92.6





#52

Tetrachloroethene

Concen: 2.104 ppbv

RT: 11.23

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 21:20

Tot Ion:1

Ion Rati

164 100

166 123.

129 104.

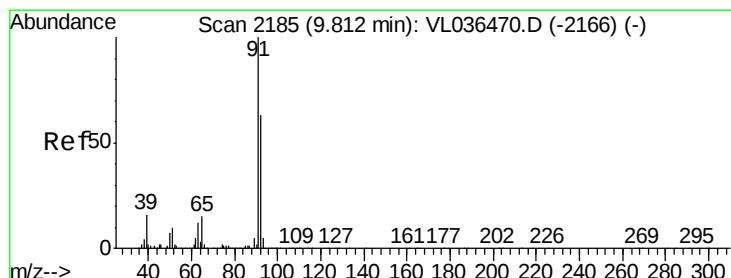
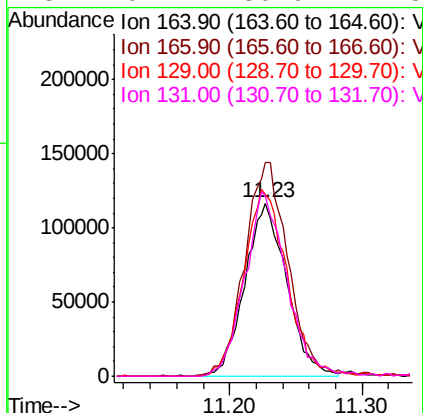
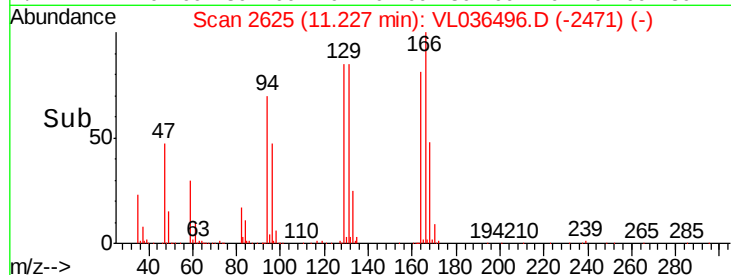
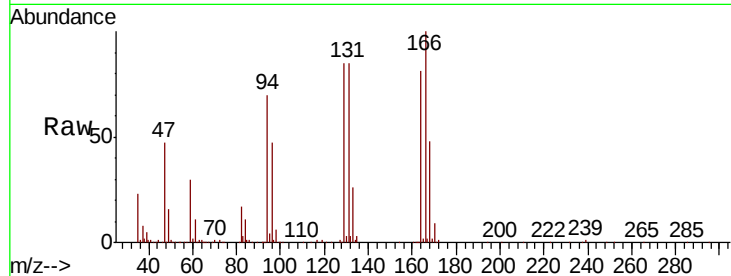
131 104.4 80.9 121.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/28/2021

Supervised By :Mahesh Dadoda 03/29/2021



#53

Toluene

Concen: 0.319 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL036496.D

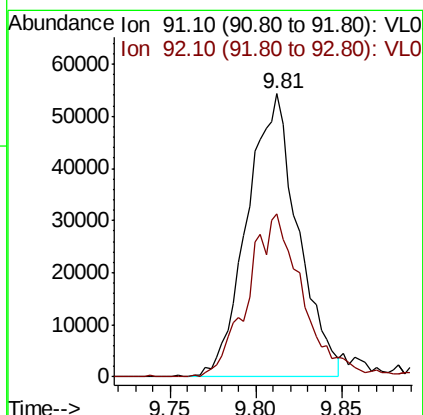
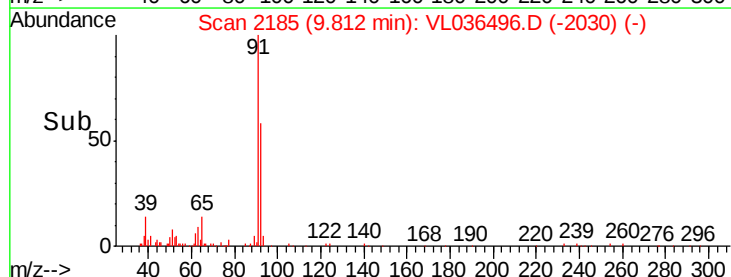
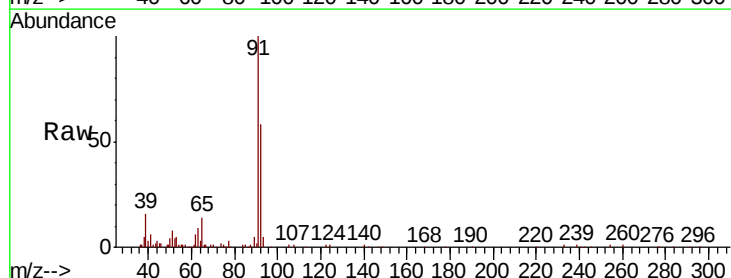
Acq: 25 Mar 2021 21:26

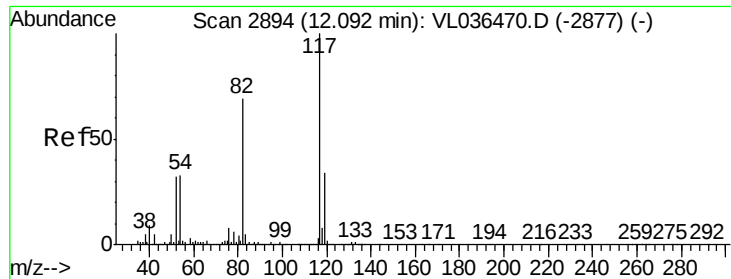
Tgt Ion: 91 Resp: 111727

Ion Ratio Lower Upper

91 100

92 63.4 48.8 73.2



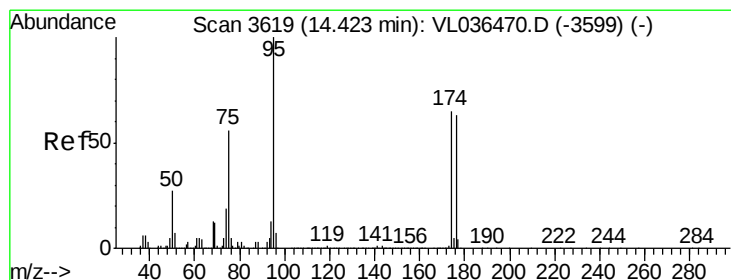
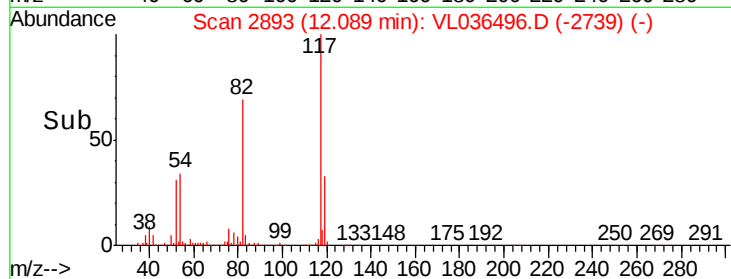
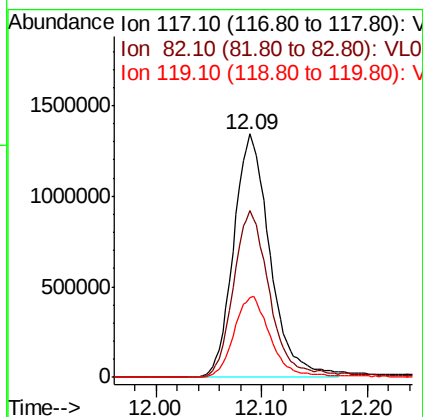
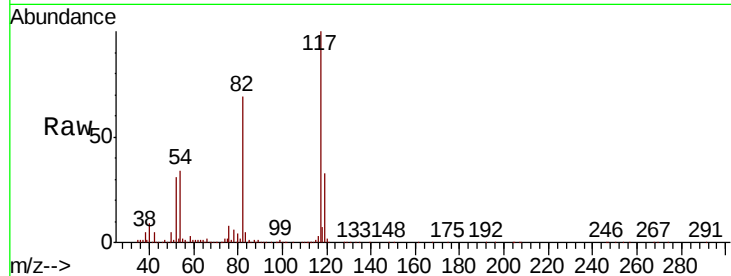


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
UP-SG-2(2021)
Acq: 25 Mar 2021 21:20

Tot Ion: 1
Ion Ratio
117 100
82 70.
119 33.

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 03/28/2021
Supervised By : Mahesh Dadoda 03/29/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 9.571 ppbv
RT: 14.42 min Scan# 3618
Delta R.T.: -0.00 min
Lab File: VL036496.D
Acq: 25 Mar 2021 21:26

Tgt Ion: 95 Resp: 2457403
Ion Ratio Lower Upper
95 100
174 65.5 51.0 76.6
175 4.7 3.9 5.9

