

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041321\
 Data File : VL036799.D
 Acq On : 13 Apr 2021 12:28
 Operator : SY/AP
 Sample : OC041221 CAN 10492
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 QC041221 CAN 10492

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/14/2021
 Supervised By : Mahesh Dadoda 04/14/2021

Quant Time: Apr 14 07:01:49 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	1354871	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3547567	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2661290	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	1835214	8.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	86.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	25211	0.100	ppbv	92
5) Vinyl Chloride	3.26	62	8691m	0.095	ppbv	
9) Propene	3.02	41	14615m	0.181	ppbv	
15) Acetone	3.87	43	52885	0.397	ppbv #	1
20) Methylene Chloride	4.35	84	13151m	0.211	ppbv	
23) Vinyl Acetate	5.08	43	27094m	0.119	ppbv	
29) Chloroform	5.74	83	22490m	0.096	ppbv	
30) Cyclohexane	7.16	84	25397m	0.213	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	19960m	0.084	ppbv	
35) Carbon Tetrachloride	7.01	117	19673m	0.072	ppbv	
38) Trichloroethene	7.83	130	10665m	0.084	ppbv	
52) Tetrachloroethene	11.22	164	9939m	0.082	ppbv	
57) Chlorobenzene	12.14	112	24974m	0.110	ppbv	
59) m/p-Xylene	12.99	91	43785m	0.130	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.68	83	31170m	0.125	ppbv	

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

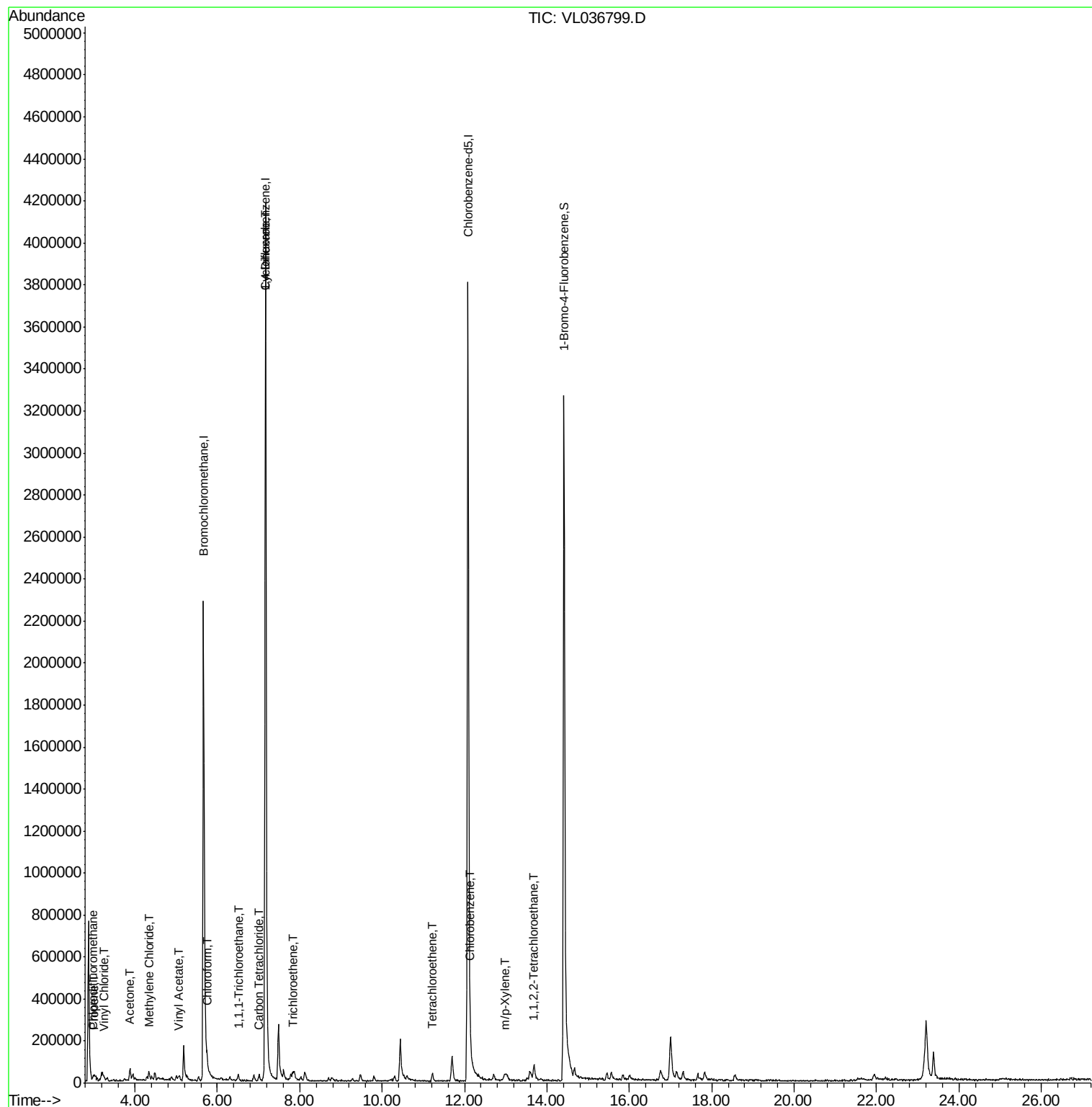
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL041321\
Data File : VL036799.D
Acq On : 13 Apr 2021 12:28
Operator : SY/AP
Sample : OC041221 CAN 10492
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

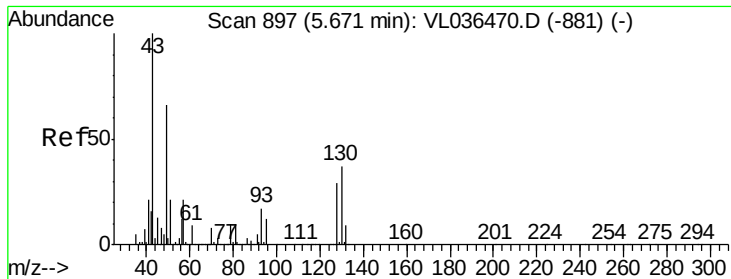
Instrument :
MSVOA_L
ClientSampleId :
QC041221 CAN 10492

Quant Time: Apr 14 07:01:49 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Mar 25 09:42:40 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId :

Acq: 13 Apr 2021 12:28

Tot Ion:

Ion Ratio

49 100

128 48.

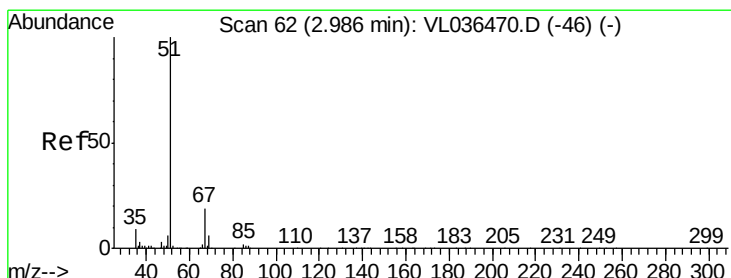
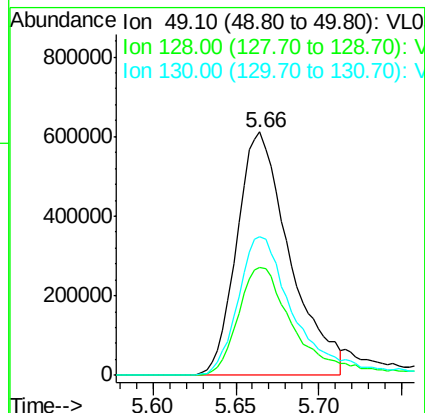
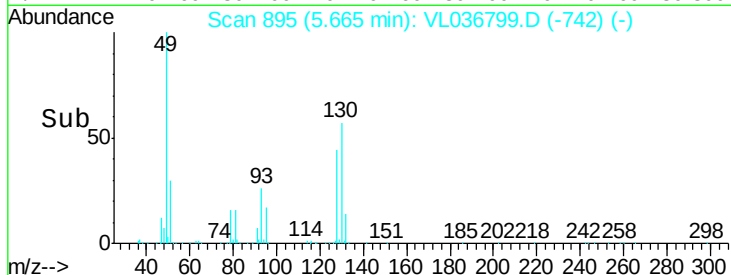
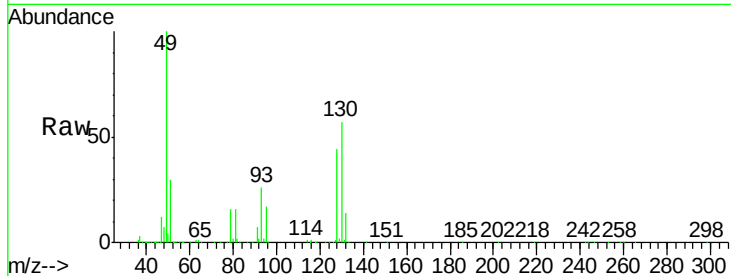
130 62.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



#3

Chlorodifluoromethane

Concen: 0.100 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.00 min

Lab File: VL036799.D

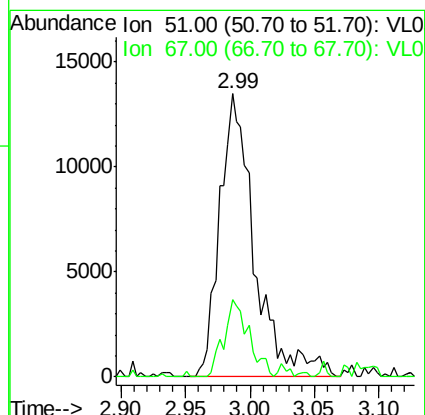
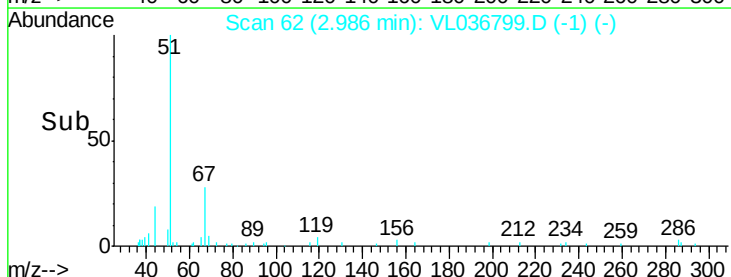
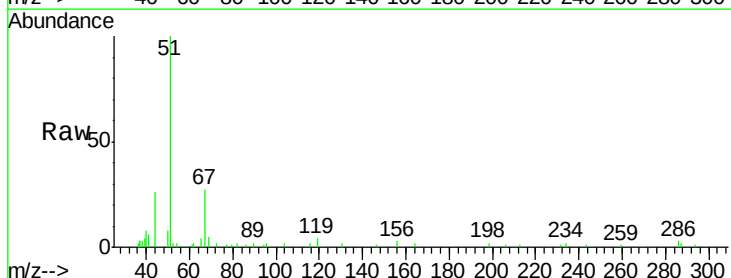
Acq: 13 Apr 2021 12:28

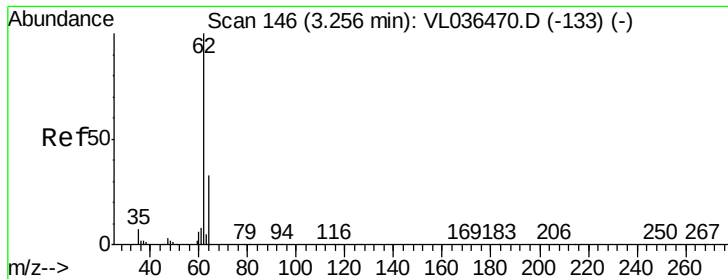
Tgt Ion: 51 Resp: 25211

Ion Ratio Lower Upper

51 100

67 22.0 14.7 22.1





#5

Vinyl Chloride

Concen: 0.095 ppbv m

RT: 3.26 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: QC041221 CAN 10492

Acq: 13 Apr 2021 12:28

Tot Ion:

Ion Ratio

62 100

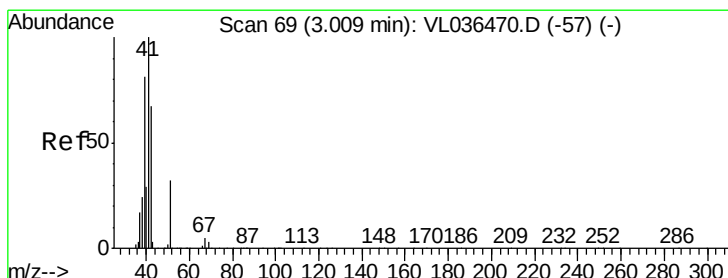
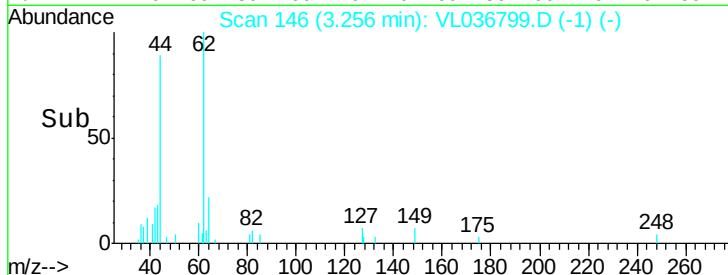
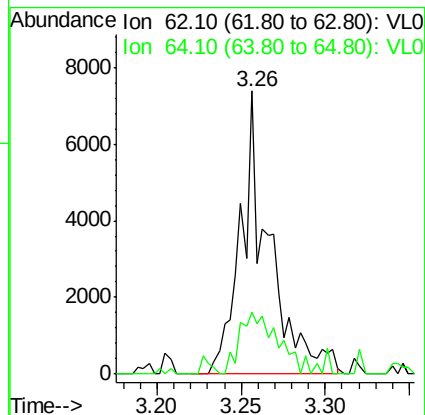
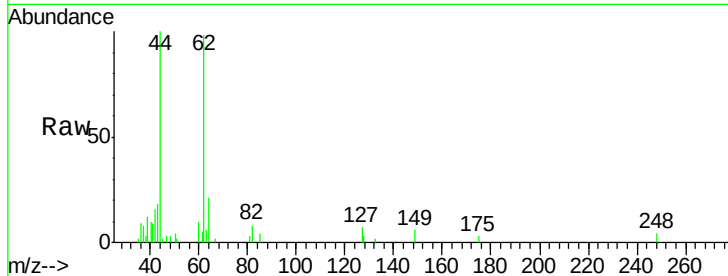
64 21.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



#9

Propene

Concen: 0.181 ppbv m

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL036799.D

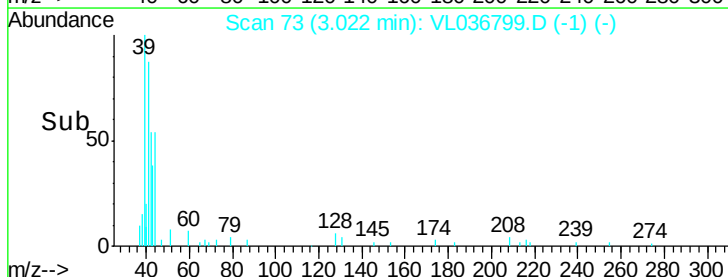
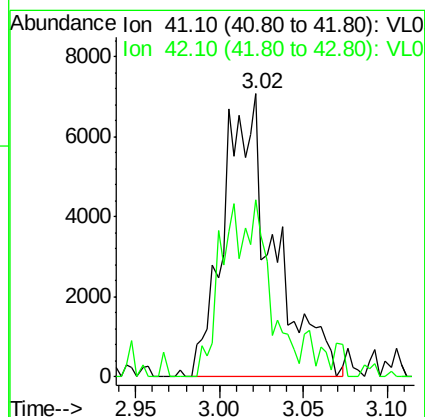
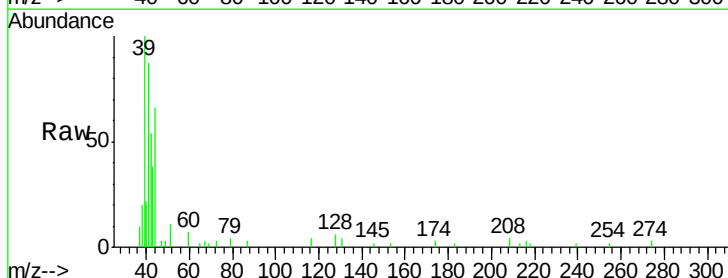
Acq: 13 Apr 2021 12:28

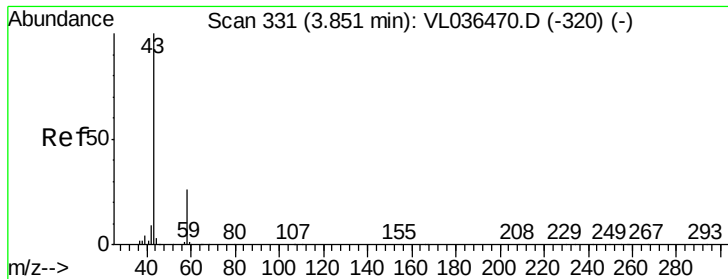
Tgt Ion: 41 Resp: 14615

Ion Ratio Lower Upper

41 100

42 3.0 57.0 85.4#





#15

Acetone

Concen: 0.397 ppbv

RT: 3.87

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 12:28

Tot Ion:

Ion Ratio

43 100

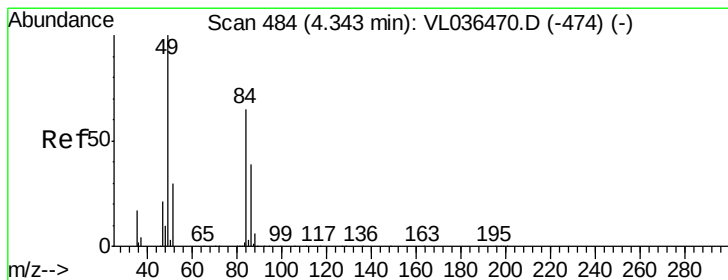
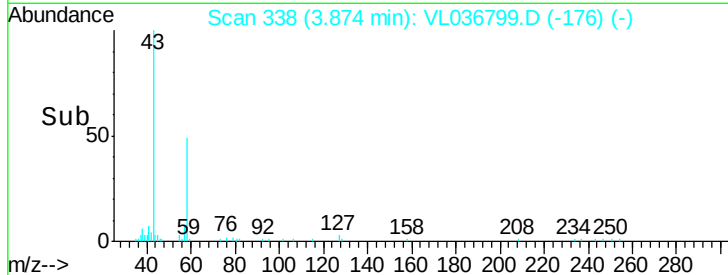
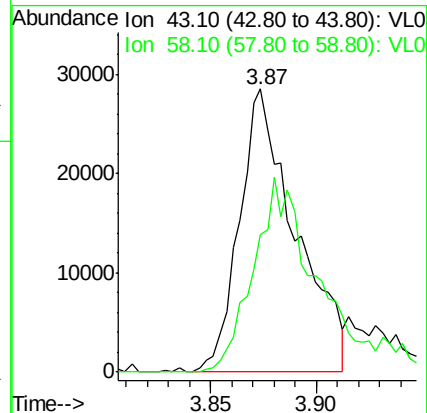
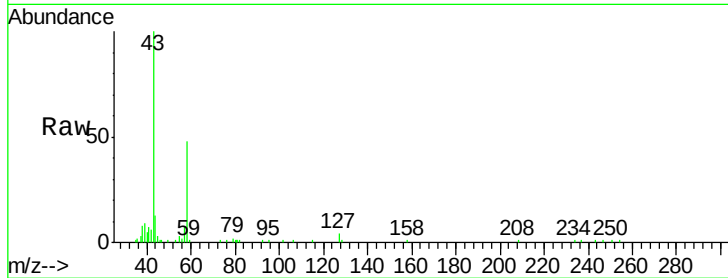
58 84.

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Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



#20

Methylene Chloride

Concen: 0.211 ppbv m

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL036799.D

Acq: 13 Apr 2021 12:28

Tgt Ion: 84 Resp: 13151

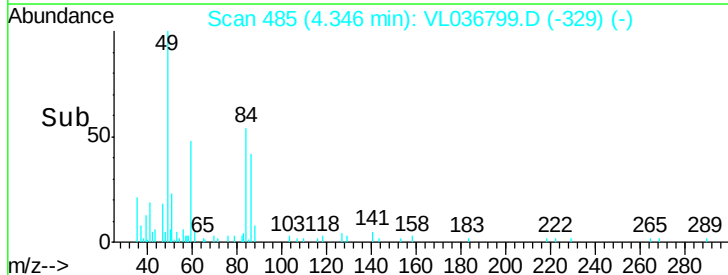
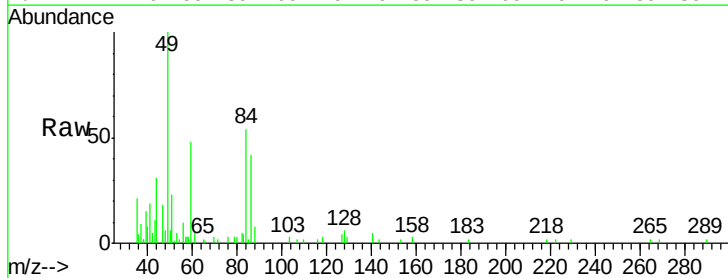
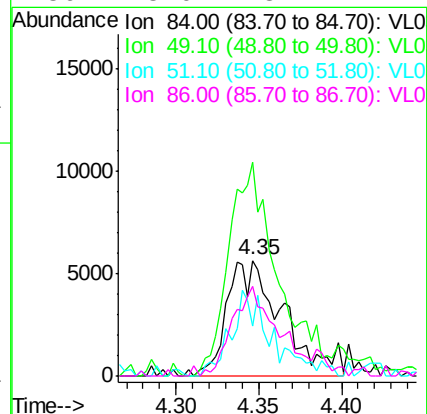
Ion Ratio Lower Upper

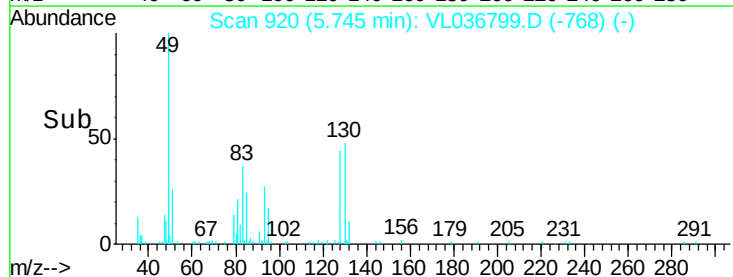
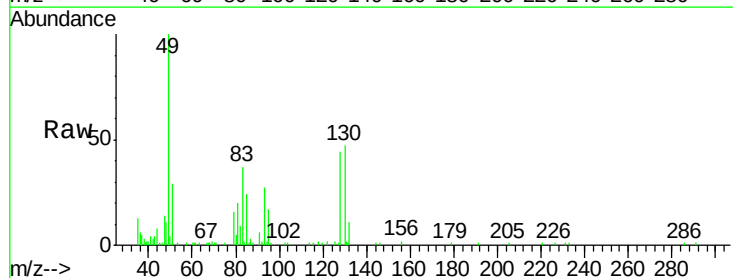
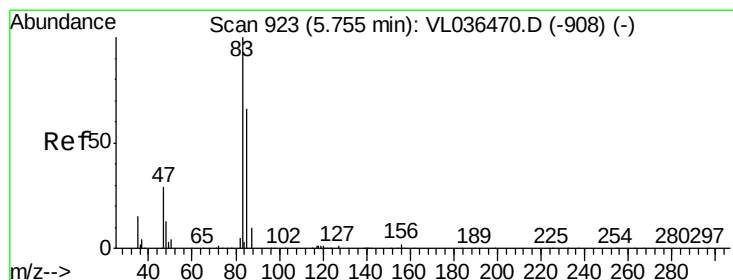
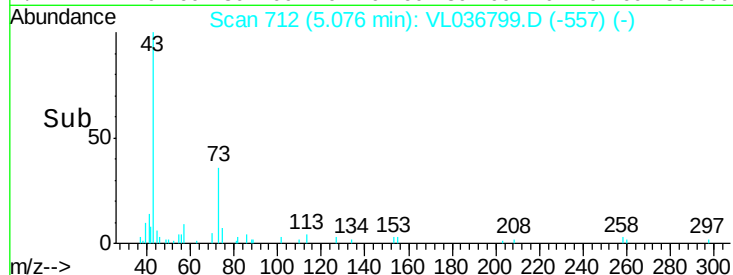
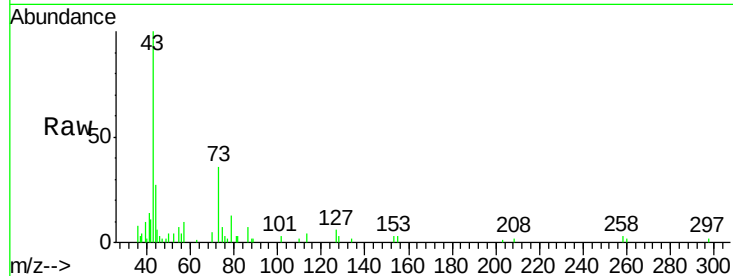
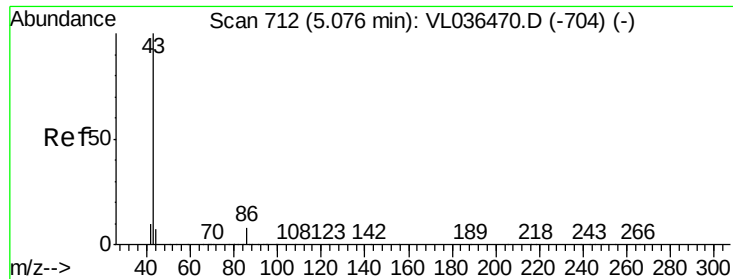
84 100

49 184.5 122.9 184.3#

51 42.7 36.9 55.3

86 78.0 48.2 72.4#





#23

Vinyl Acetate

Concen: 0.119 ppbv m

RT: 5.08 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 12:28 QC041221 CAN 10492

Tot Ion:

Ion Ratio

43 100

86 6.

42 10.

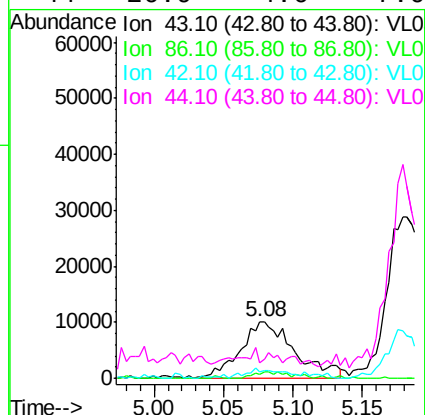
44 26.9

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Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021



#29

Chloroform

Concen: 0.096 ppbv m

RT: 5.74 min Scan# 920

Delta R.T. -0.01 min

Lab File: VL036799.D

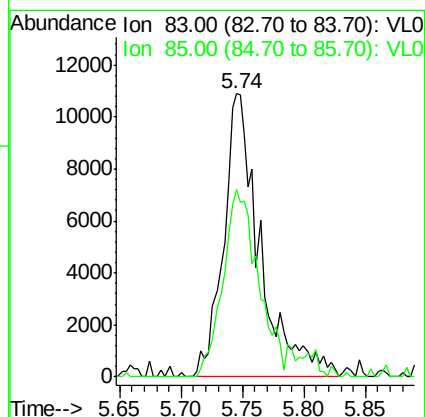
Acq: 13 Apr 2021 12:28

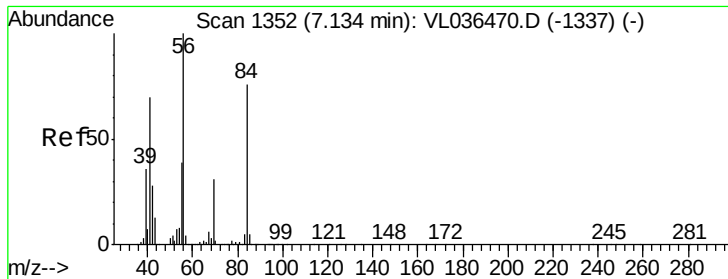
Tgt Ion: 83 Resp: 22490

Ion Ratio Lower Upper

83 100

85 66.2 52.6 78.8



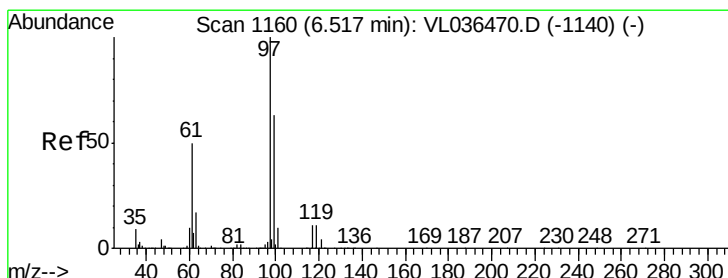
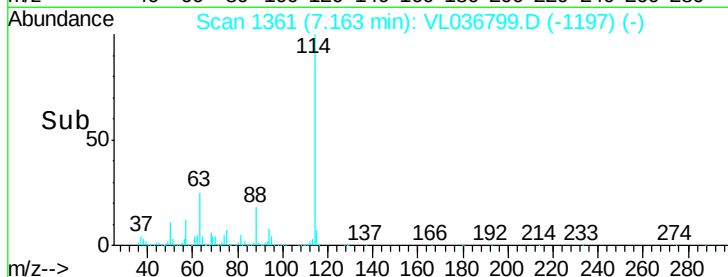
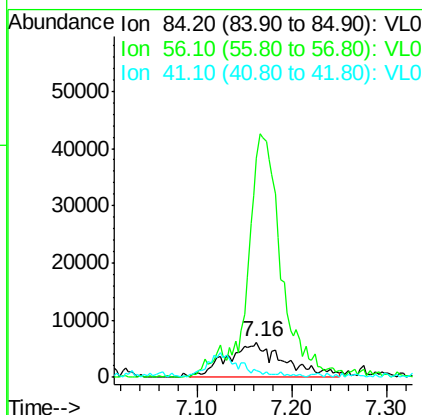
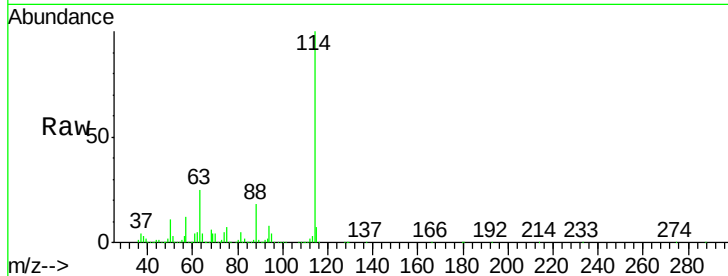


#30
Cvclohexane
Concen: 0.213 ppbv m
RT: 7.16
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2021 12:20

Tot Ion:
Ion Ratio
84 100
56 0.
41 44.

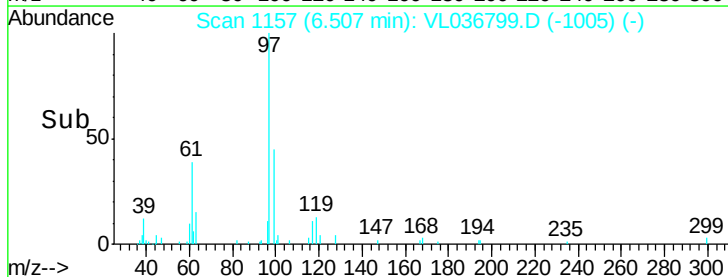
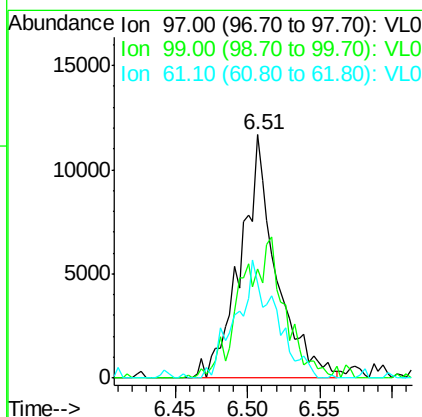
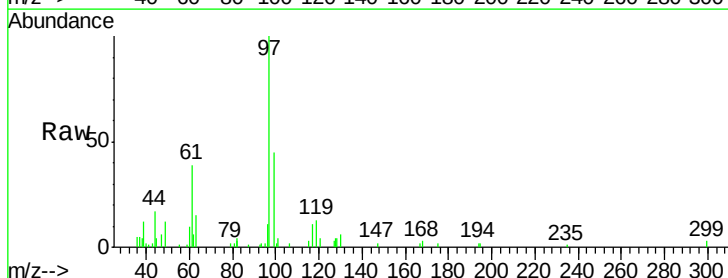
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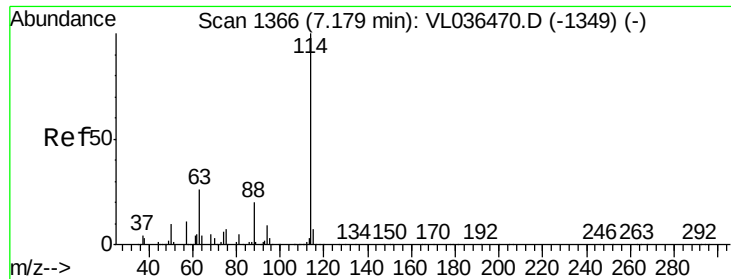
Reviewed By :Semsettin Yesilyurt 04/14/2021
Supervised By :Mahesh Dadoda 04/14/2021



#32
1,1,1-Trichloroethane
Concen: 0.084 ppbv m
RT: 6.51 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VL036799.D
Acq: 13 Apr 2021 12:28

Tgt Ion: 97 Resp: 19960
Ion Ratio Lower Upper
97 100
99 72.0 51.4 77.0
61 53.0 40.6 60.8



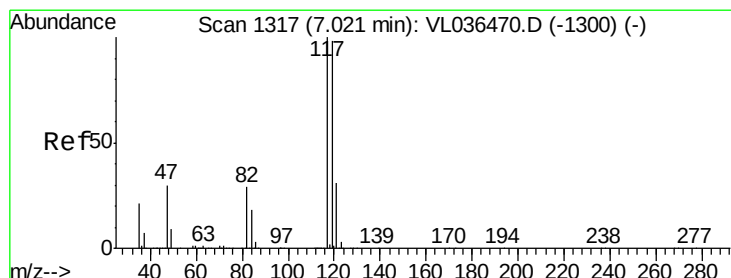
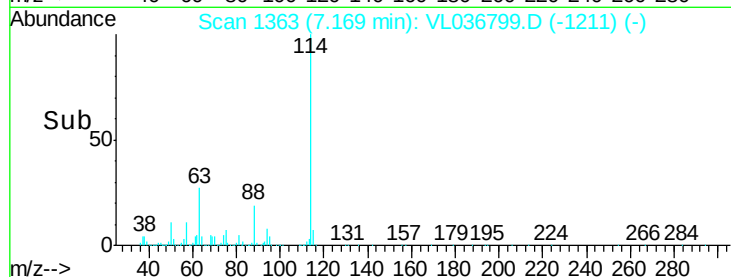
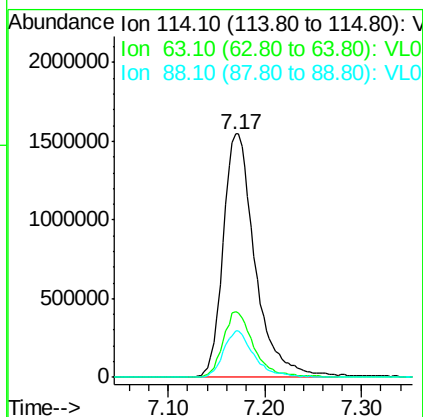
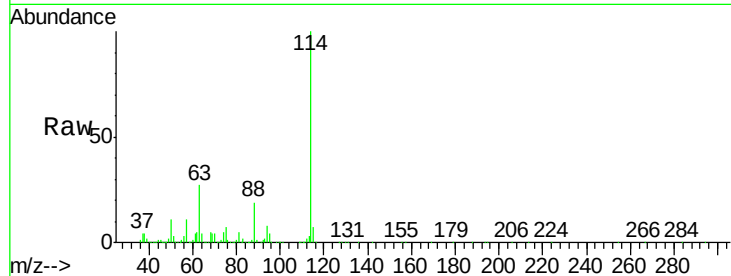


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 12:28

Tot Ion:1
 Ion Rati
 114 100
 63 26.
 88 18.

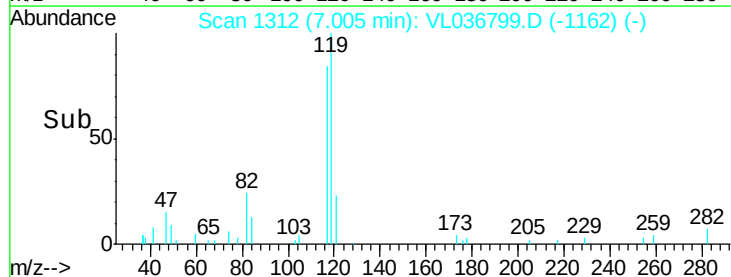
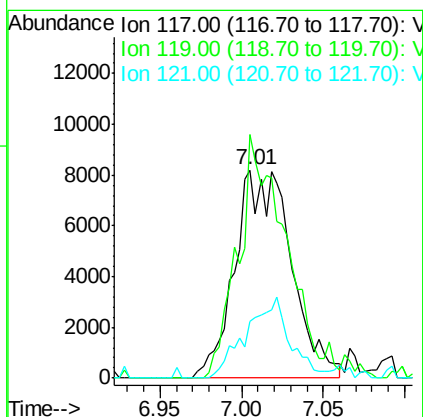
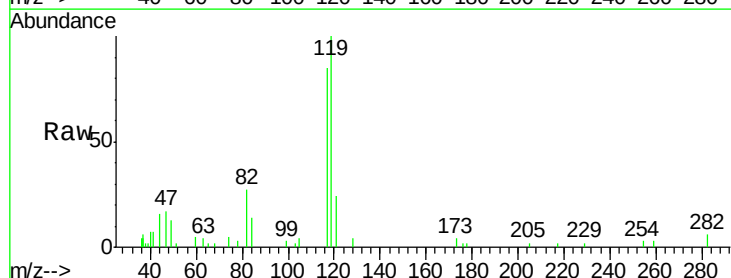
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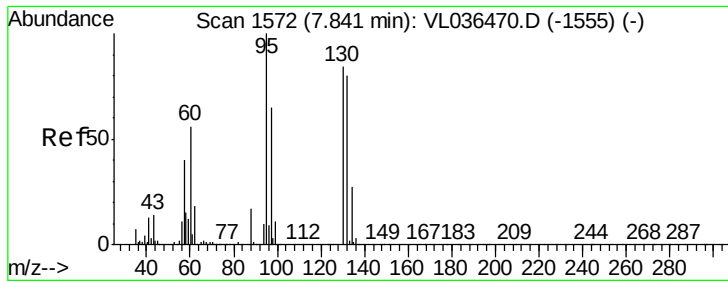
Reviewed By :Semsettin Yesilyurt 04/14/2021
 Supervised By :Mahesh Dadoda 04/14/2021



#35
 Carbon Tetrachloride
 Concen: 0.072 ppbv m
 RT: 7.01 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: VL036799.D
 Acq: 13 Apr 2021 12:28

Tgt Ion:117 Resp: 19673
 Ion Ratio Lower Upper
 117 100
 119 117.2 78.2 117.2
 121 27.6 24.5 36.7



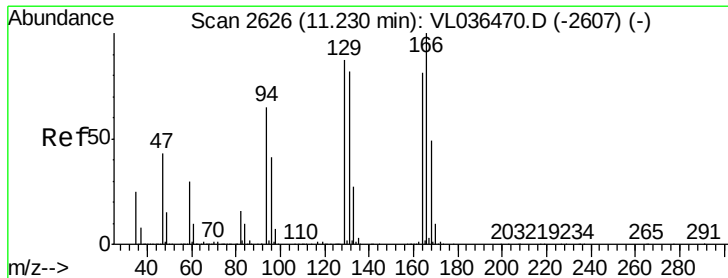
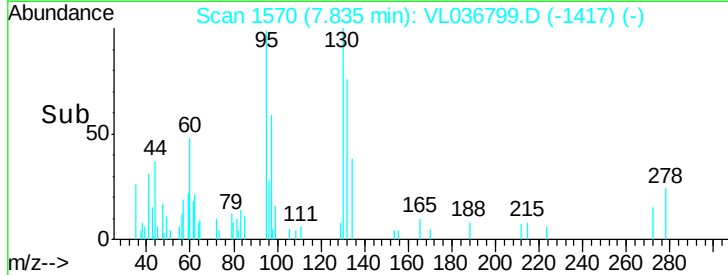
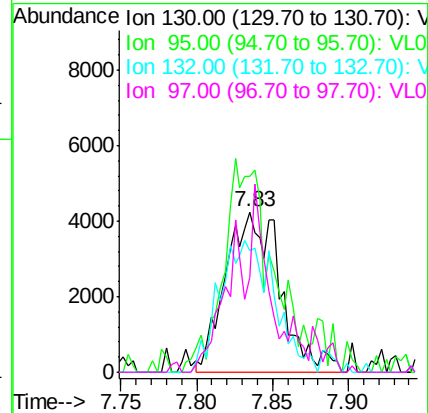
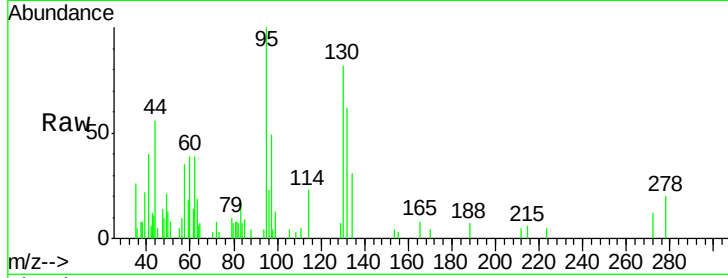


#38
 Trichloroethene
 Concen: 0.084 ppbv m
 RT: 7.83
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 12:28

Tot Ion:1
 Ion Ratio
 130 100
 95 122.
 132 75.
 97 59.2 61.8 92.6#

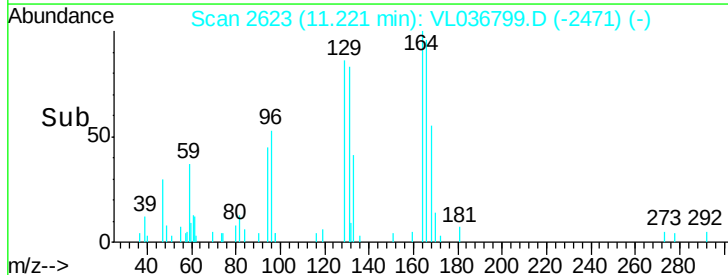
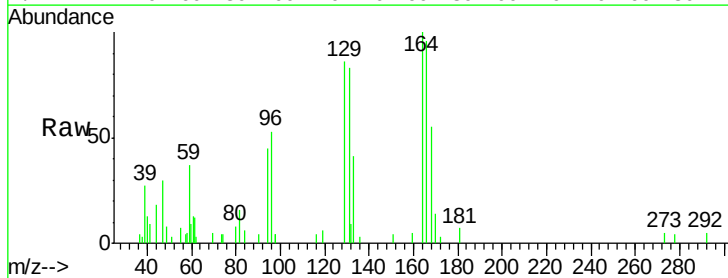
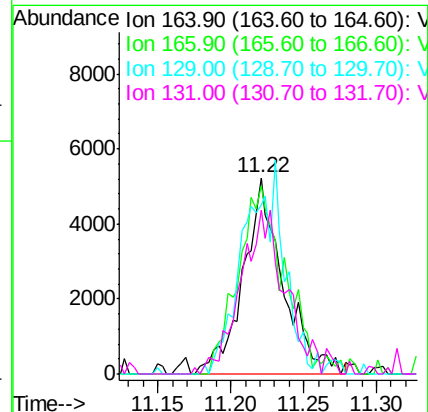
Manual Integrations
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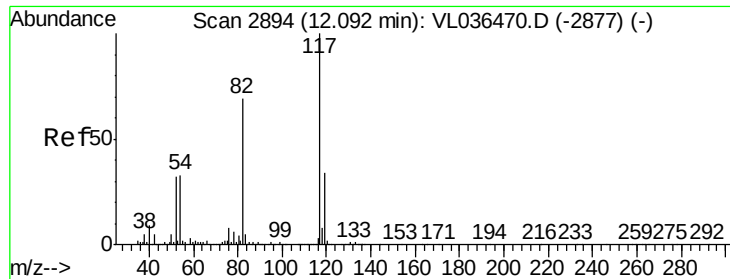
Reviewed By :Semsettin Yesilyurt 04/14/2021
 Supervised By :Mahesh Dadoda 04/14/2021



#52
 Tetrachloroethene
 Concen: 0.082 ppbv m
 RT: 11.22 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: VL036799.D
 Acq: 13 Apr 2021 12:28

Tgt Ion:164 Resp: 9939
 Ion Ratio Lower Upper
 164 100
 166 96.2 98.3 147.5#
 129 86.1 85.8 128.8
 131 83.2 80.9 121.3



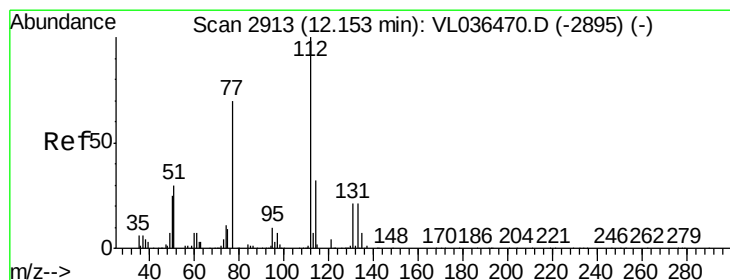
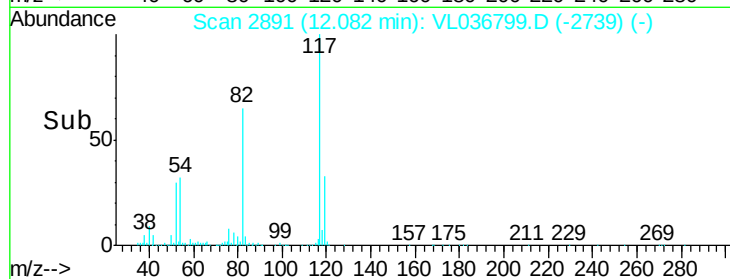
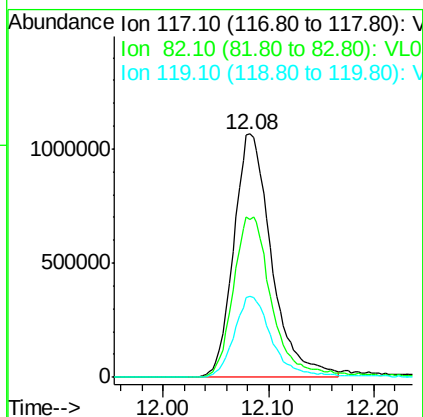
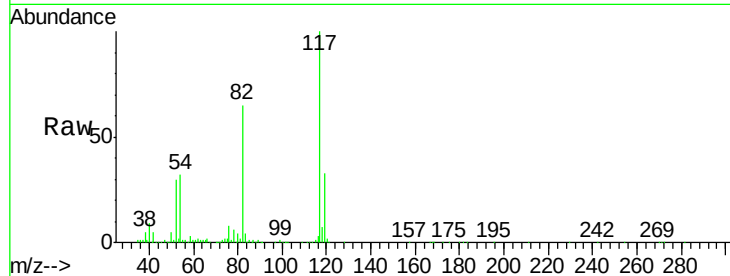


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_L
Delta R.T.:
Client Sample Id: QC041221 CAN 10492
Lab File:
Acq: 13 Apr 2021 12:20

Tot Ion: 1
Ion Ratio
117 100
82 68.
119 34.

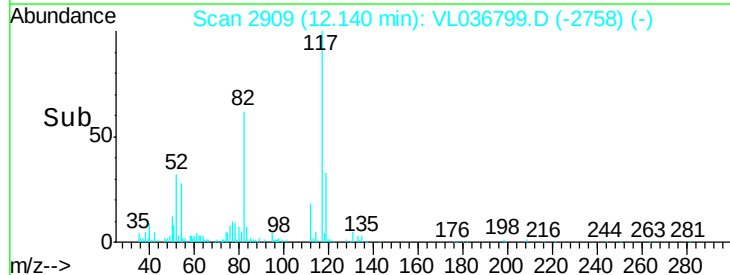
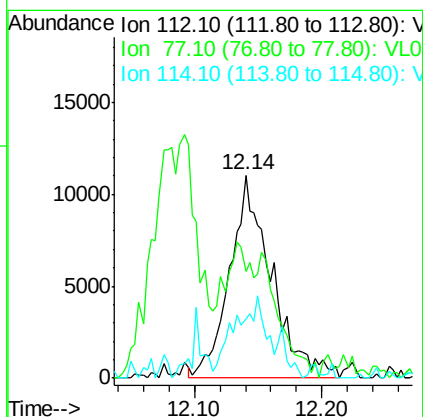
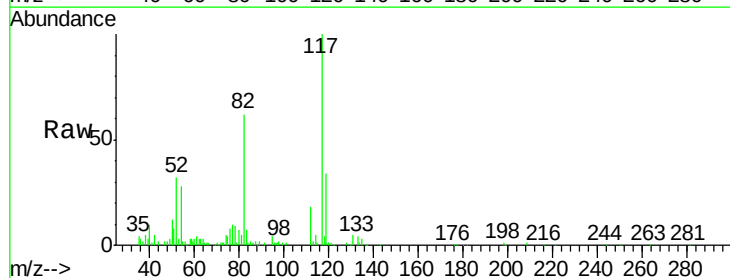
Manual Integrations
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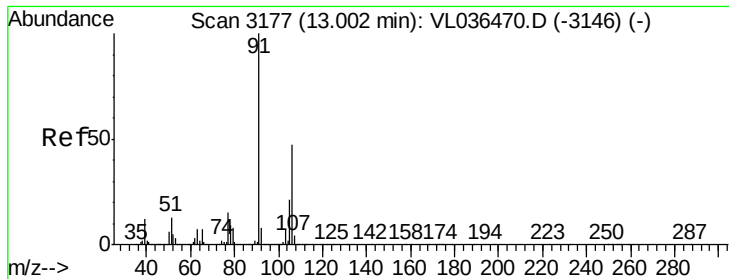
Reviewed By : Semsettin Yesilyurt 04/14/2021
Supervised By : Mahesh Dadoda 04/14/2021



#57
Chlorobenzene
Concen: 0.110 ppbv m
RT: 12.14 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL036799.D
Acq: 13 Apr 2021 12:28

Tgt Ion: 112 Resp: 24974
Ion Ratio Lower Upper
112 100
77 52.8 56.0 84.0#
114 29.3 29.0 35.4



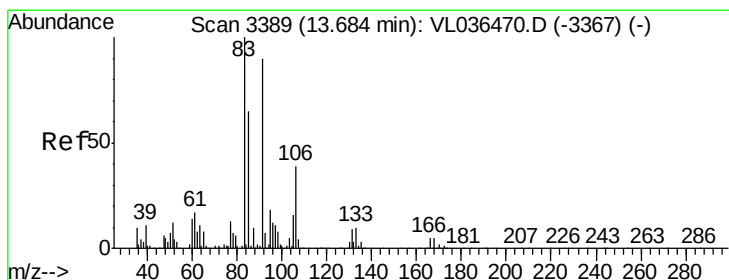
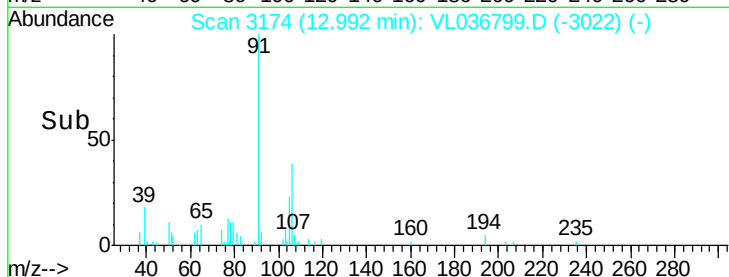
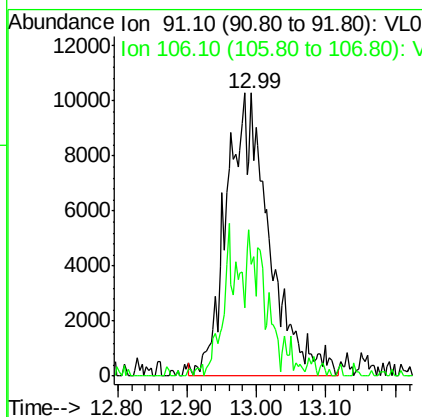
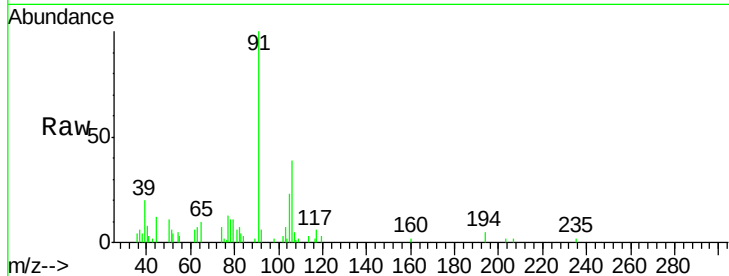


#59
m/p-Xylene
Concen: 0.130 ppbv m
RT: 12.99
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId : QC041221 CAN 10492
Acq: 13 Apr 2021 12:28

Tot Ion:
Ion Ratio
91 100
106 0.

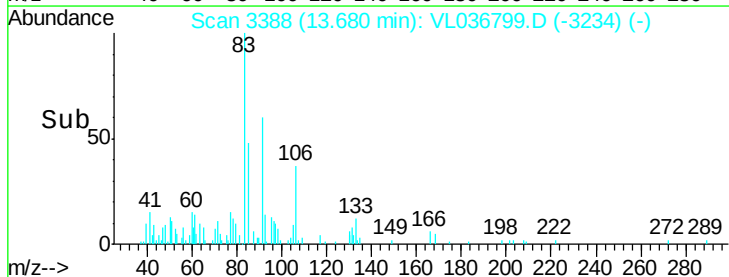
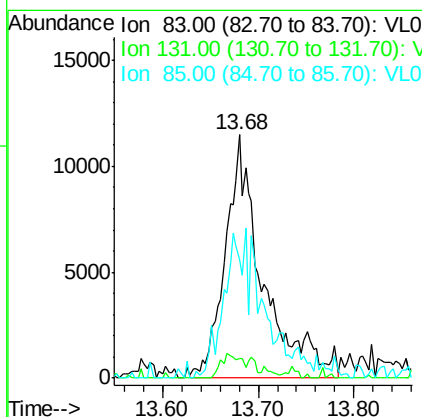
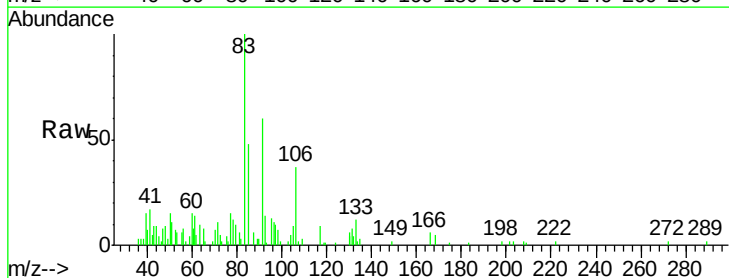
Manual Integrations
APPROVED

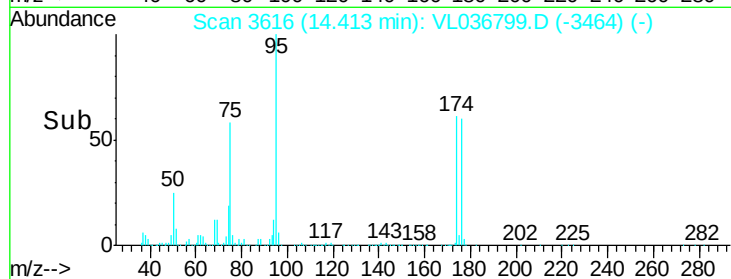
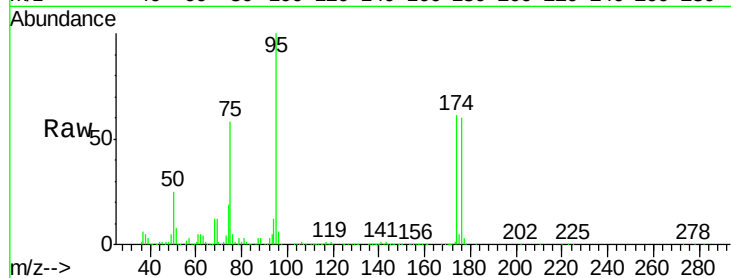
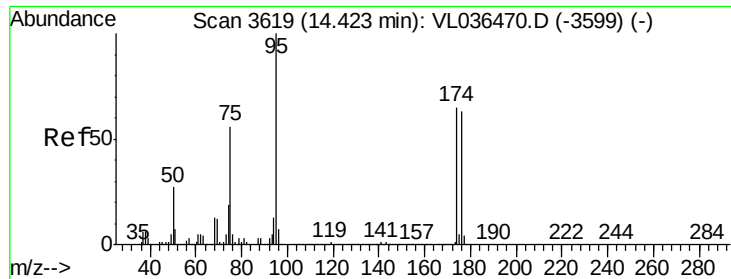
Reviewed By :Semsettin Yesilyurt 04/14/2021
Supervised By :Mahesh Dadoda 04/14/2021



#63
1,1,2,2-Tetrachloroethane
Concen: 0.125 ppbv m
RT: 13.68 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VL036799.D
Acq: 13 Apr 2021 12:28

Tgt Ion: 83 Resp: 31170
Ion Ratio Lower Upper
83 100
131 8.5 4.7 14.0
85 0.0 33.1 99.3#





#68

1-Bromo-4-Fluorobenzene

Concen: 8.652 ppbv

RT: 14.41

Delta R.T

Lab File: ClientSampleId :

Acq: 13 Apr 2021 12:20

Tot Ion:

Ion Ratio

95 100

174 65.

175 4.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2021

Supervised By :Mahesh Dadoda 04/14/2021

