

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
 Data File : VL038451.D
 Acq On : 1 Mar 2022 14:59
 Operator : SY/AP
 Sample : N1702-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-1DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/02/2022
 Supervised By : Mahesh Dadoda 03/02/2022

Quant Time: Mar 02 03:47:38 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	867159	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	2102748	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	1829460	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1438964	9.51	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	62606	1.24	ppbv	# 80
13) Ethanol	3.62	45	32752m	6.49	ppbv	
15) Acetone	3.87	43	312886	4.24	ppbv	100
19) Isopropyl Alcohol	3.99	45	13644m	0.32	ppbv	
20) Methylene Chloride	4.35	84	30375	0.83	ppbv	85
26) Hexane	5.69	57	505276	5.63	ppbv	# 43
29) Chloroform	5.75	83	162468	1.11	ppbv	92
34) 2-Butanone	5.27	43	19751m	0.30	ppbv	
38) Trichloroethene	7.83	130	7290m	0.11	ppbv	
42) Bromodichloromethane	7.79	83	21350	0.14	ppbv	91
52) Tetrachloroethene	11.22	164	395084	6.43	ppbv	97
53) Toluene	9.80	91	640977	3.19	ppbv	99
59) m/p-Xylene	12.95	91	22642m	0.11	ppbv	

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

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Manual Integrations
APPROVED

Quant Time: Mar 02 03:47:38 2022

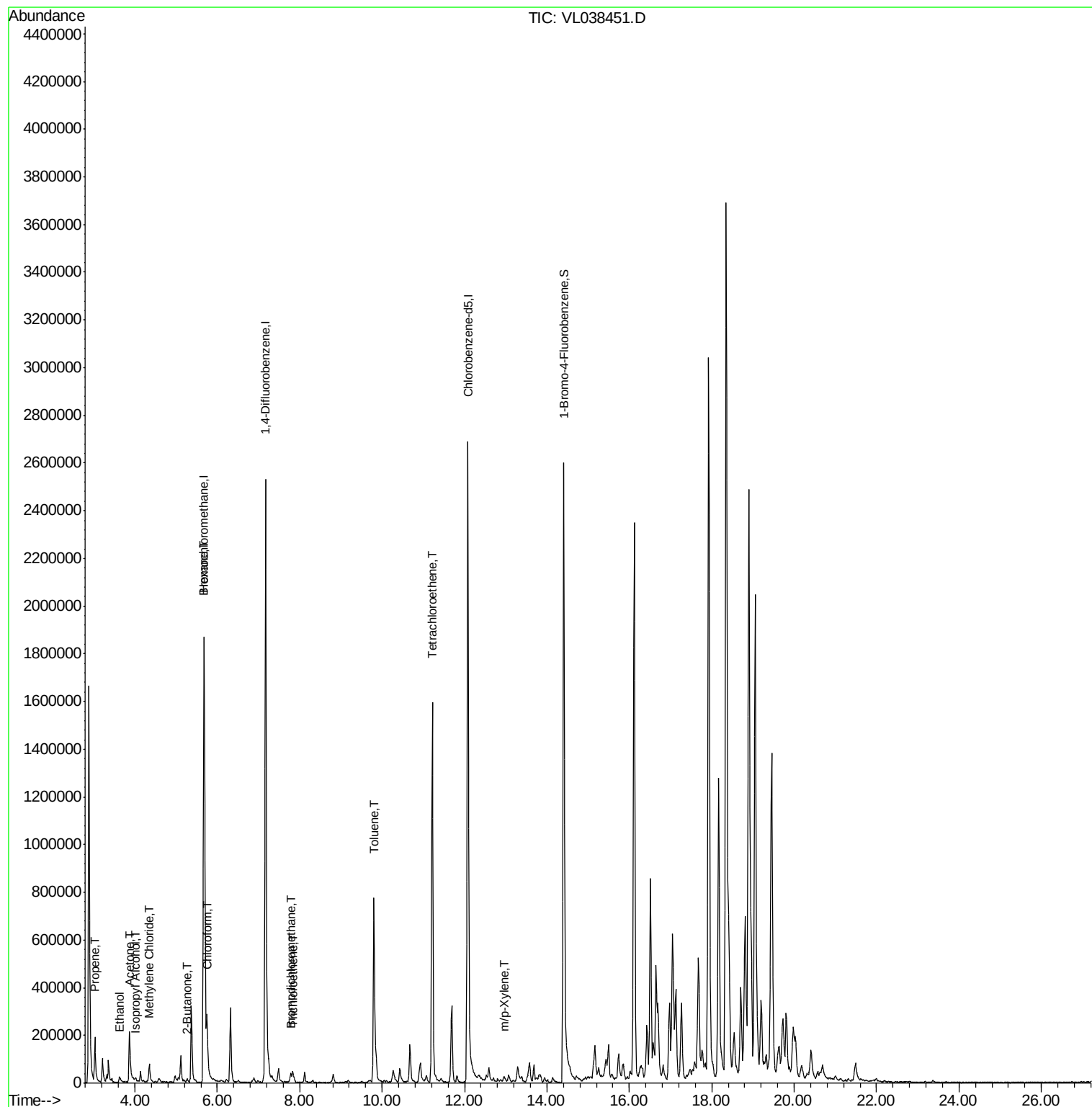
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222

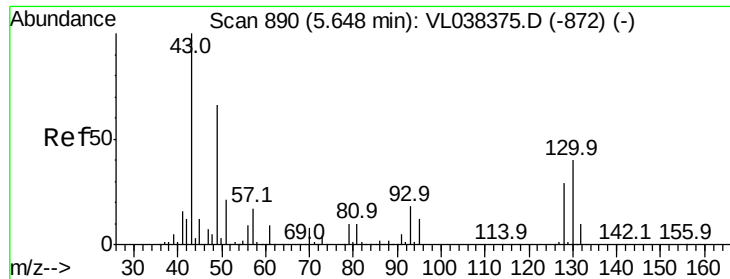
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 1 Mar 2022 14:59

Tgt Ion:

Ion Ratio

49 100

128 46.

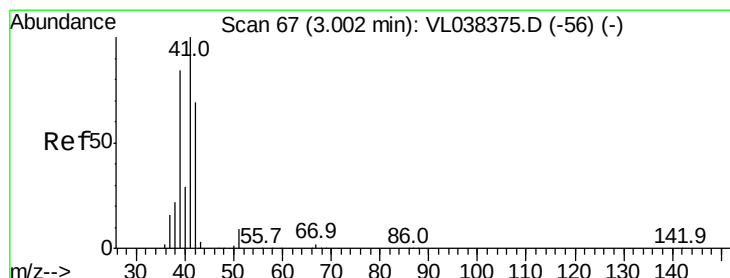
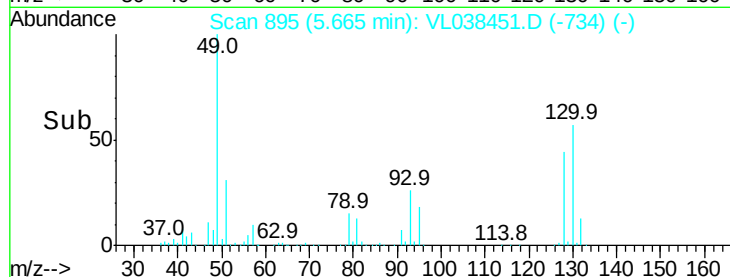
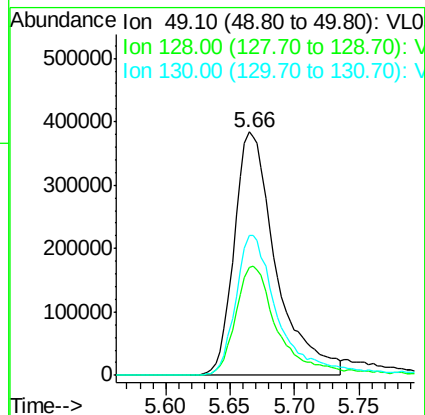
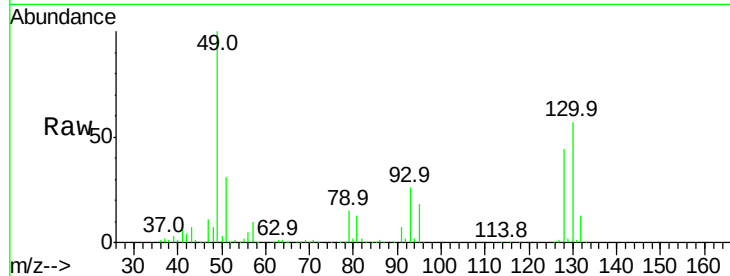
130 60.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/02/2022

Supervised By :Mahesh Dadoda 03/02/2022



#9

Propene

Concen: 1.24 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL038451.D

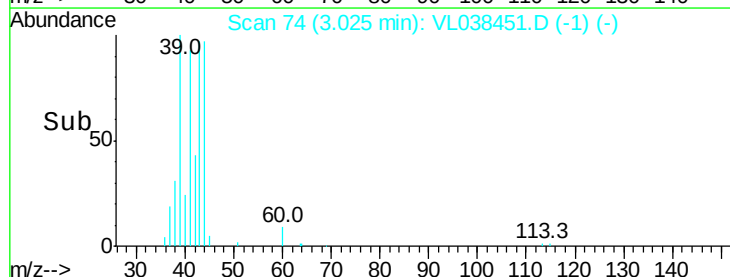
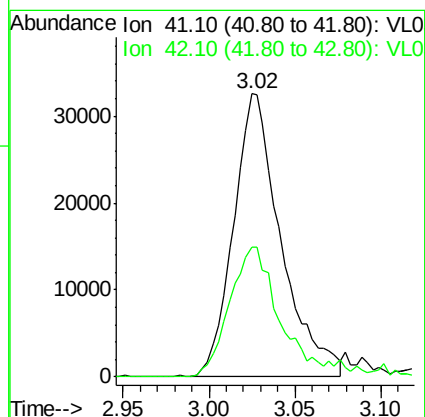
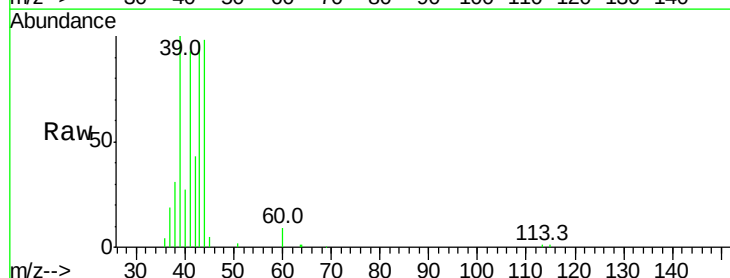
Acq: 1 Mar 2022 14:59

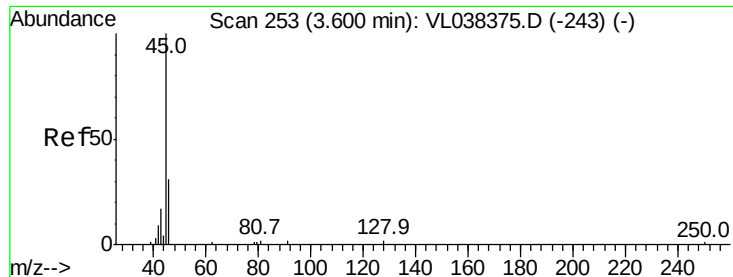
Tgt Ion: 41 Resp: 62606

Ion Ratio Lower Upper

41 100

42 52.0 54.6 82.0#





#13

Ethanol

Concen: 6.49 ppbv m

RT: 3.62 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Mar 2022 14:59 SVP-1DL

Tgt Ion:

Ion Ratio

45 100

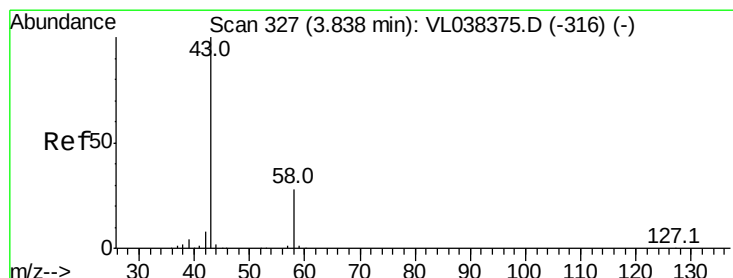
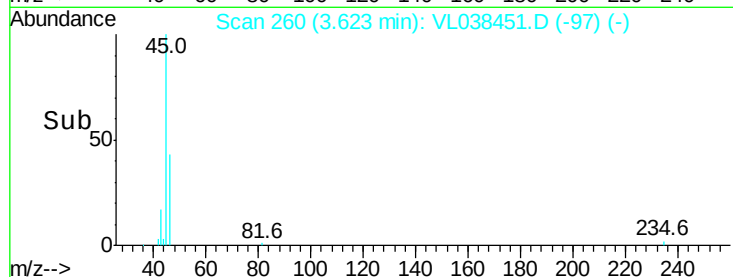
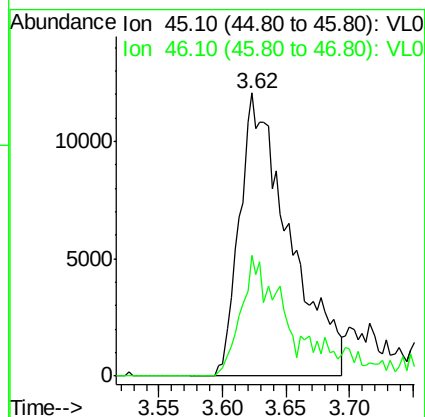
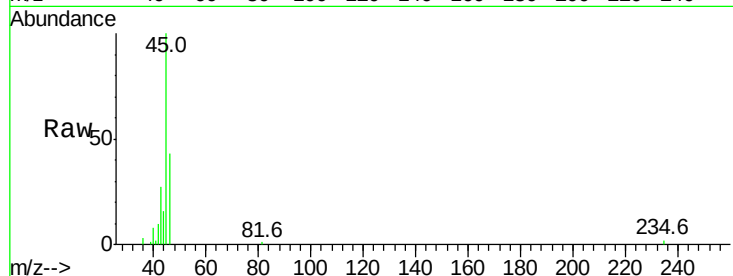
46 45.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/02/2022

Supervised By :Mahesh Dadoda 03/02/2022



#15

Acetone

Concen: 4.24 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL038451.D

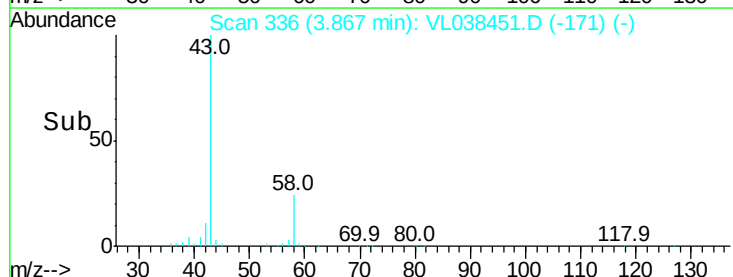
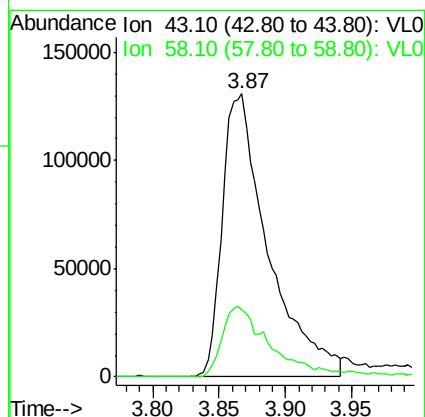
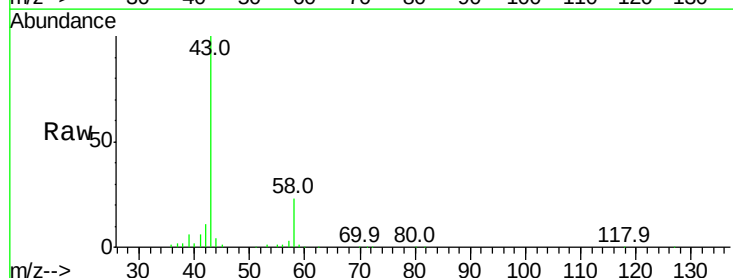
Acq: 1 Mar 2022 14:59

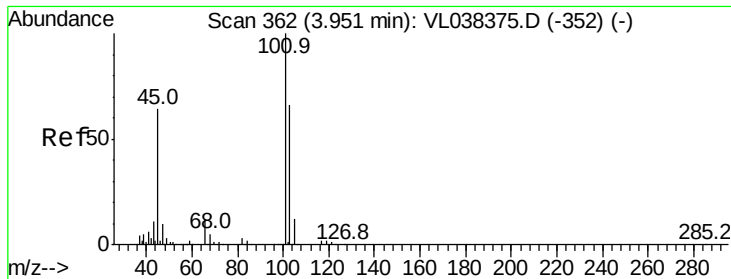
Tgt Ion: 43 Resp: 312886

Ion Ratio Lower Upper

43 100

58 27.0 21.7 32.5





#19

Isopropyl Alcohol

Concen: 0.32 ppbv m

RT: 3.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Mar 2022 14:59 SVP-1DL

Tgt Ion:

Ion Ratio

45 100

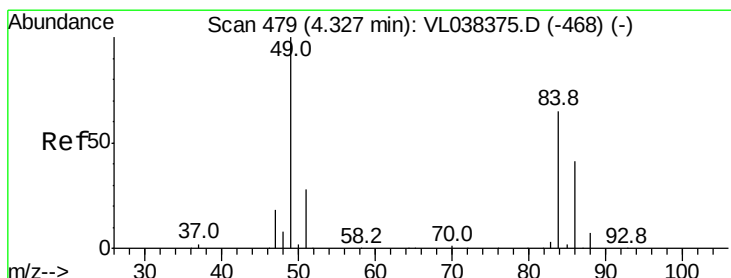
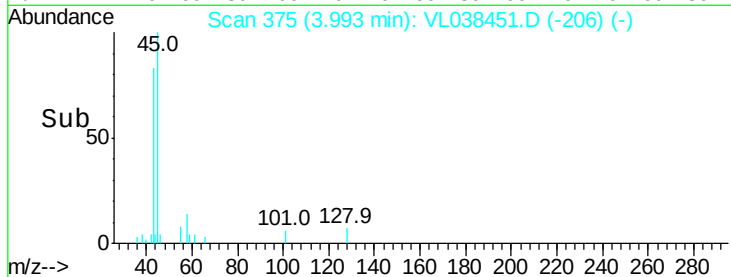
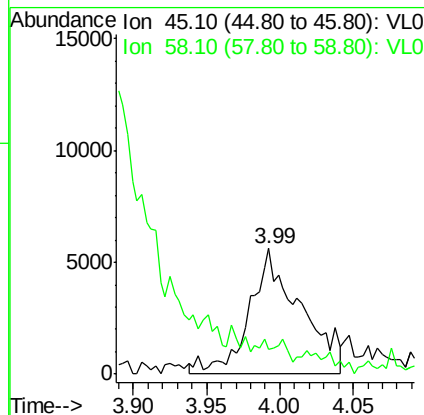
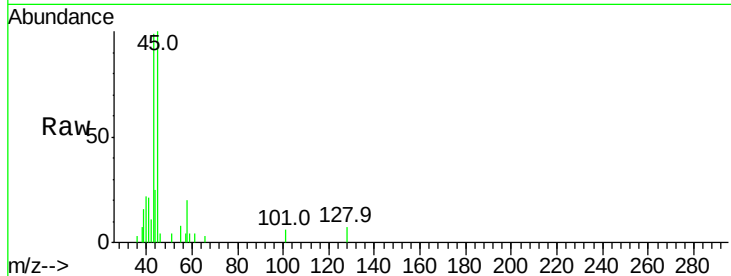
58 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/02/2022

Supervised By :Mahesh Dadoda 03/02/2022



#20

Methylene Chloride

Concen: 0.83 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL038451.D

Acq: 1 Mar 2022 14:59

Tgt Ion: 84 Resp: 30375

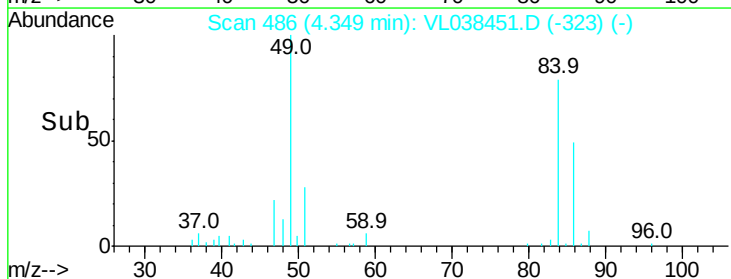
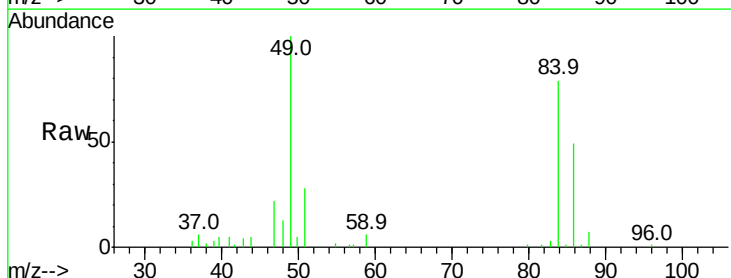
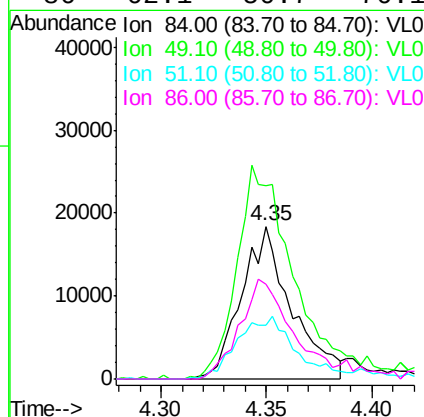
Ion Ratio Lower Upper

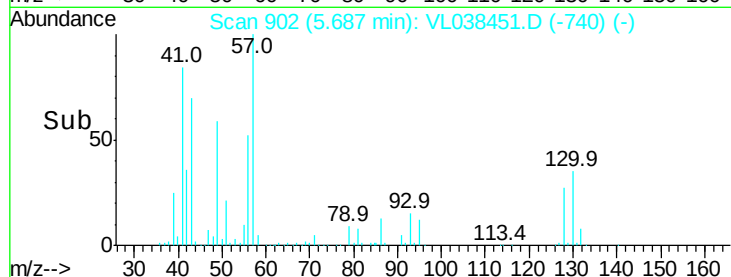
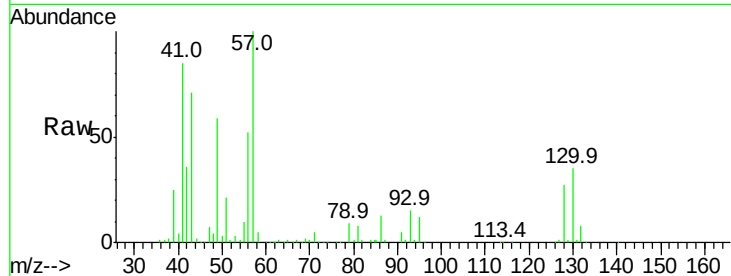
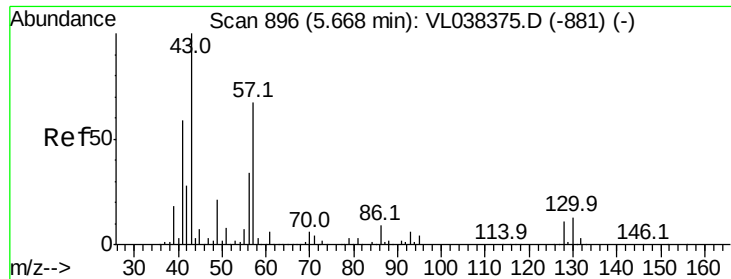
84 100

49 124.8 122.4 183.6

51 34.7 33.3 49.9

86 62.1 50.7 76.1



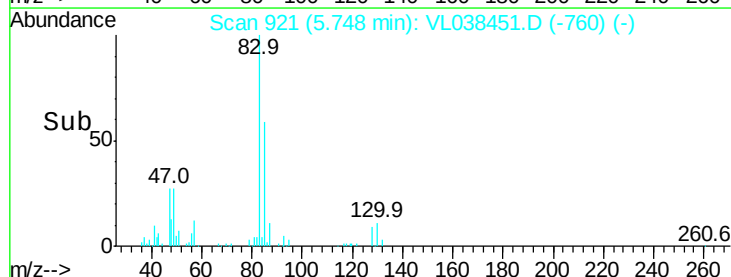
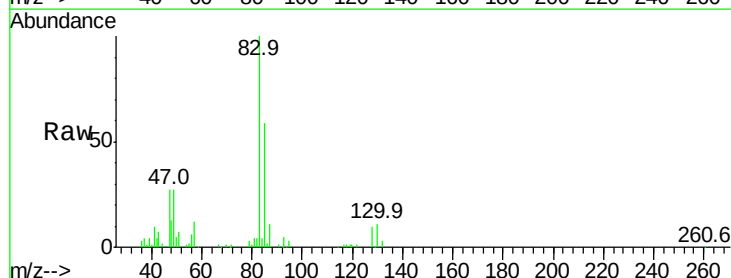
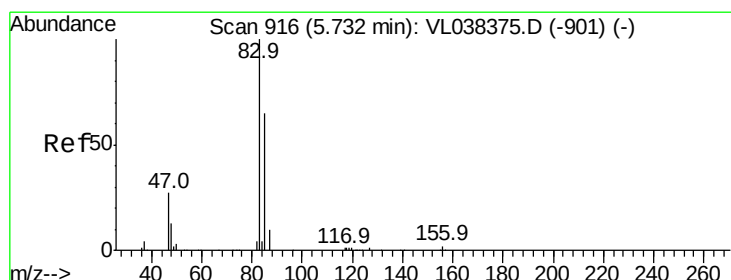
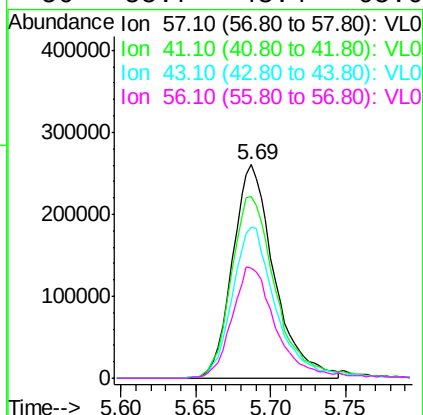


#26
Hexane
Concen: 5.63 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 1 Mar 2022 14:59

Tgt Ion:
Ion Ratio
57 100
41 92.
43 75.
56 55.7 43.4 65.0

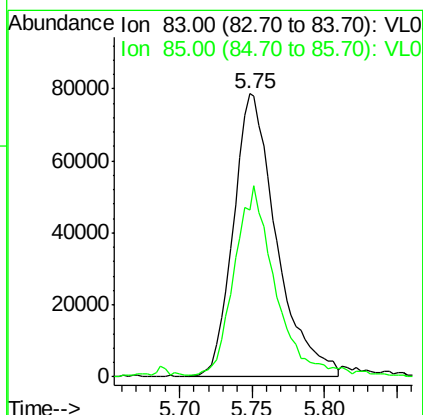
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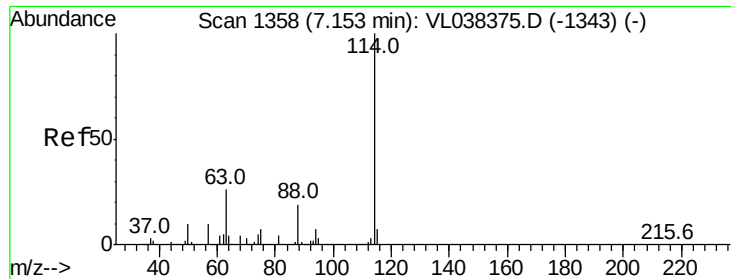
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#29
Chloroform
Concen: 1.11 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.02 min
Lab File: VL038451.D
Acq: 1 Mar 2022 14:59

Tgt Ion: 83 Resp: 162468
Ion Ratio Lower Upper
83 100
85 58.4 51.6 77.4



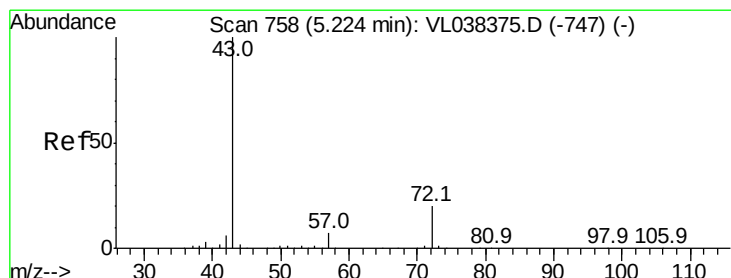
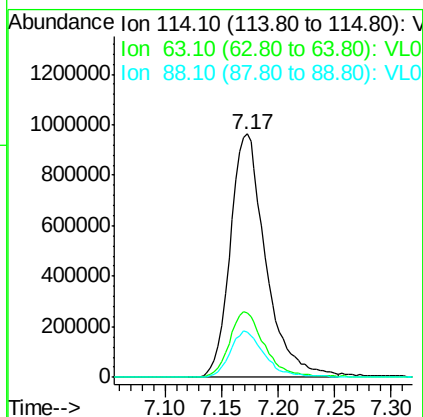
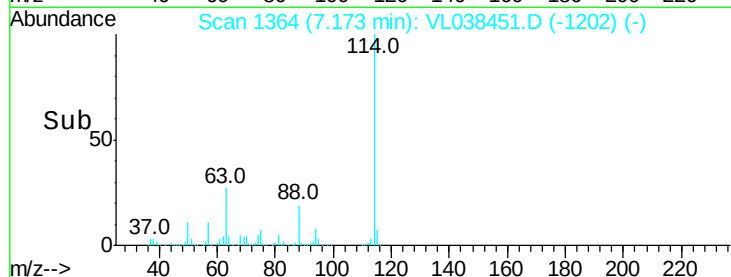
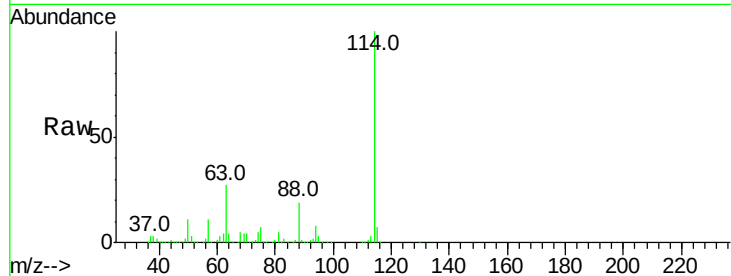


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SVP-1DL
 Acq: 1 Mar 2022 14:59

Tgt Ion: 1
 Ion Ratio
 114 100
 63 27.
 88 18.

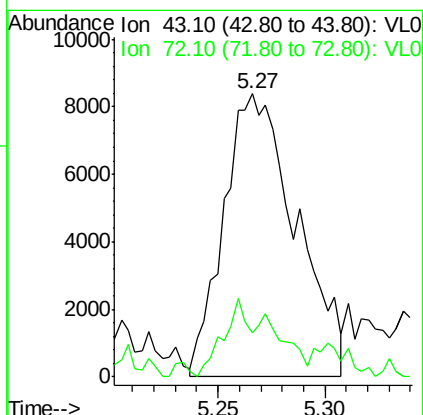
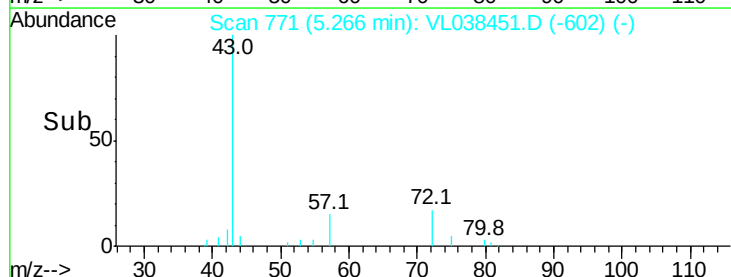
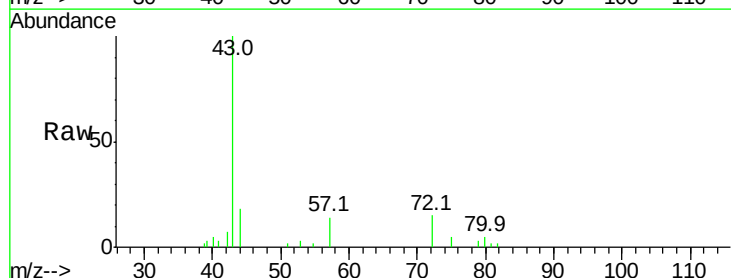
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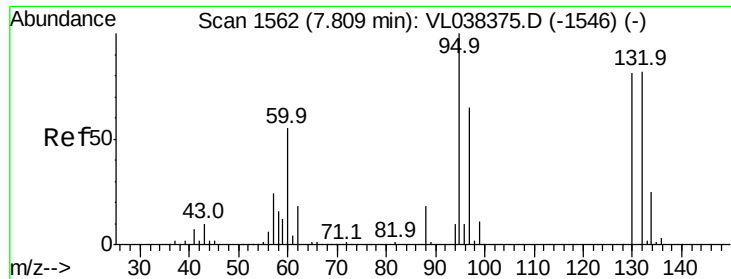
Reviewed By : Semsettin Yesilyurt 03/02/2022
 Supervised By : Mahesh Dadoda 03/02/2022



#34
 2-Butanone
 Concen: 0.30 ppbv m
 RT: 5.27 min Scan# 771
 Delta R.T. 0.04 min
 Lab File: VL038451.D
 Acq: 1 Mar 2022 14:59

Tgt Ion: 43 Resp: 19751
 Ion Ratio Lower Upper
 43 100
 72 25.8 17.4 26.2





#38

Trichloroethene

Concen: 0.11 ppbv m

RT: 7.83 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Mar 2022 14:59 SVP-1DL

Tgt Ion:1

Ion Ratio

130 100

95 116.

132 67.

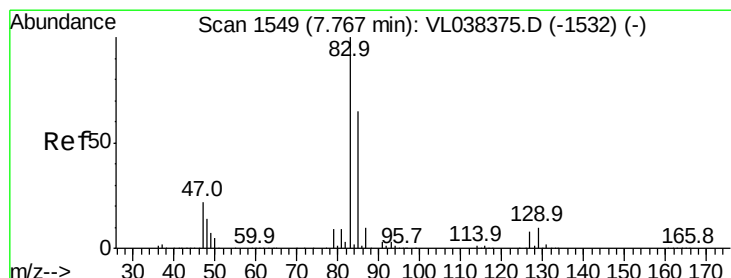
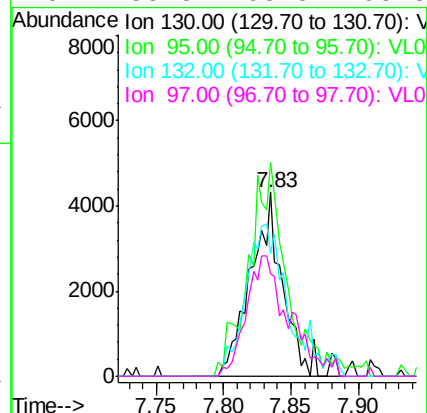
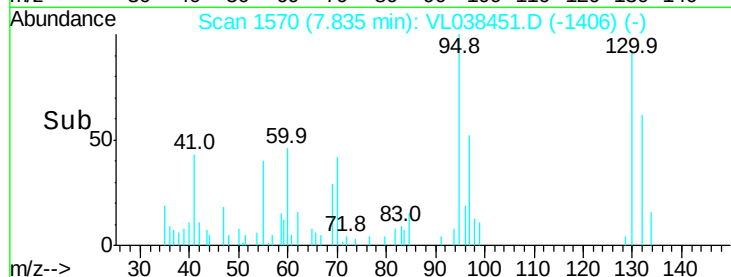
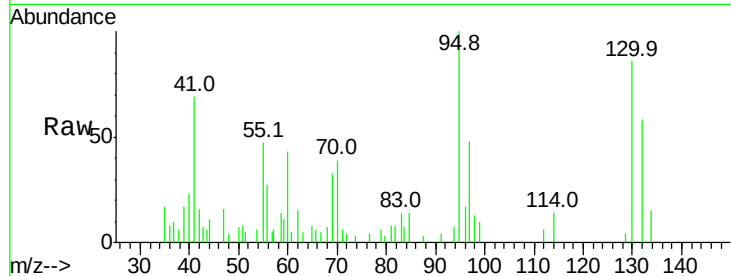
97 55.8 63.5 95.3#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/02/2022

Supervised By :Mahesh Dadoda 03/02/2022



#42

Bromodichloromethane

Concen: 0.14 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. 0.02 min

Lab File: VL038451.D

Acq: 1 Mar 2022 14:59

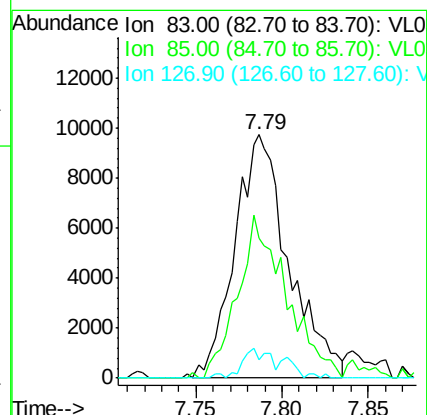
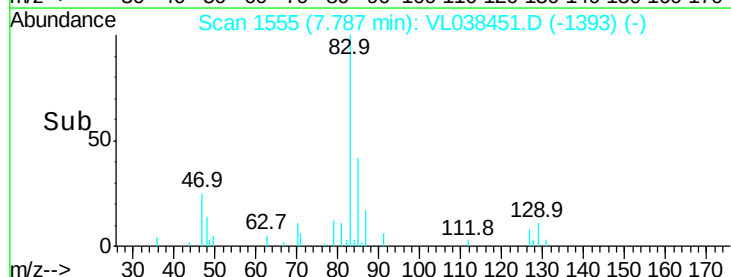
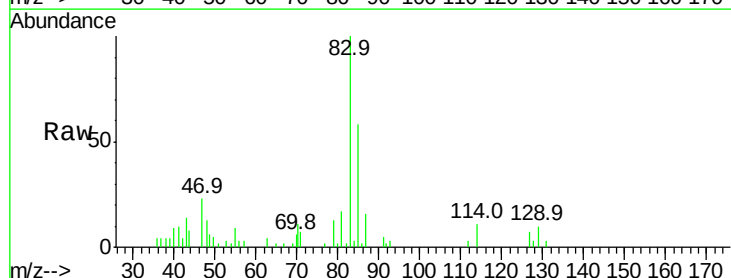
Tgt Ion: 83 Resp: 21350

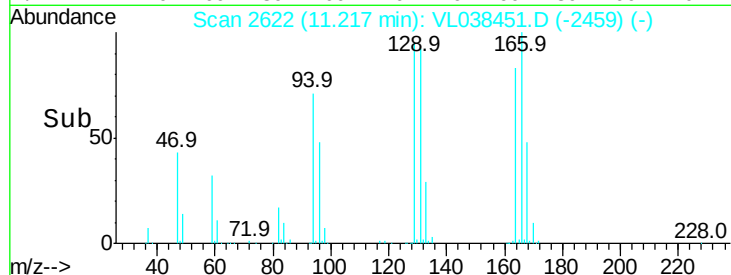
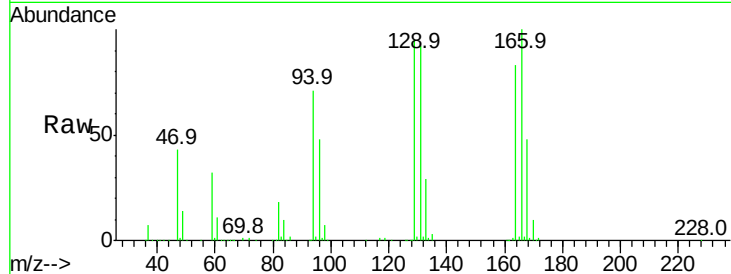
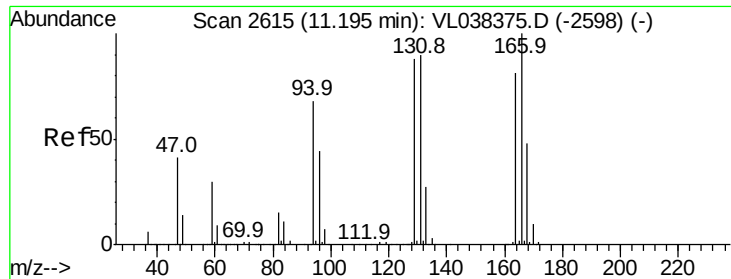
Ion Ratio Lower Upper

83 100

85 57.6 52.2 78.4

127 7.3 6.2 9.4





#52

Tetrachloroethene

Concen: 6.43 ppbv

RT: 11.22

Delta R.T. MSVOA_L

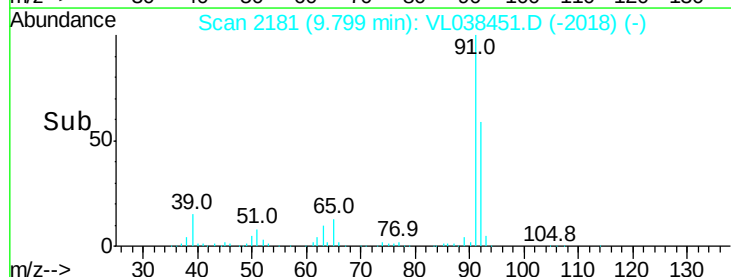
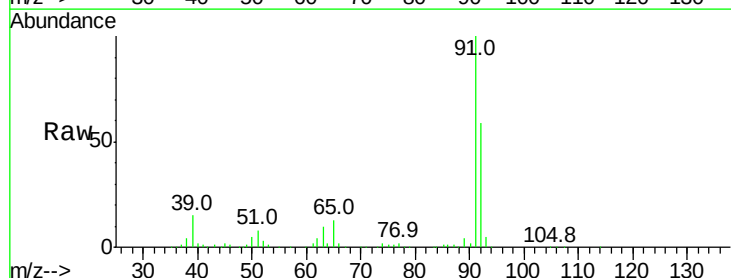
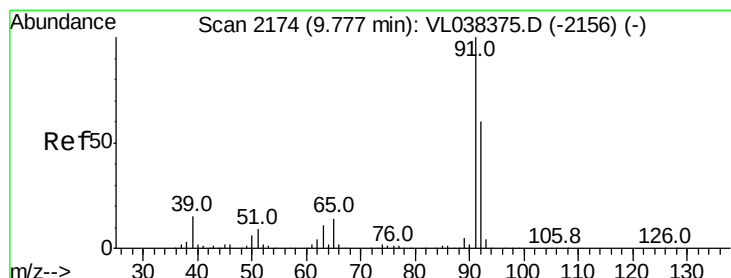
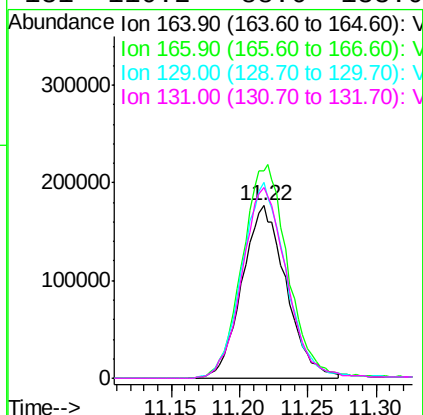
Lab File: ClientSampleId :

Acq: 1 Mar 2022 14:59

Tgt Ion: 1
Ion Ratio
164 100
166 119.
129 113.
131 110.2 88.6 133.0

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Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#53

Toluene

Concen: 3.19 ppbv

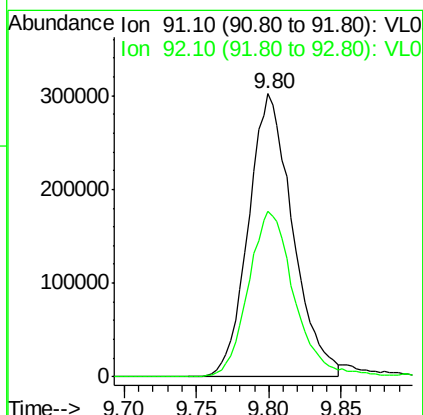
RT: 9.80 min Scan# 2181

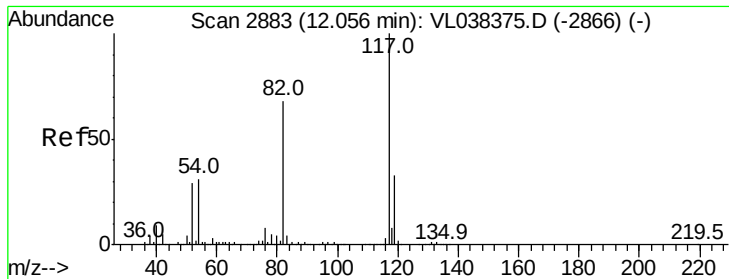
Delta R.T. 0.02 min

Lab File: VL038451.D

Acq: 1 Mar 2022 14:59

Tgt Ion: 91 Resp: 640977
Ion Ratio Lower Upper
91 100
92 61.1 48.2 72.4



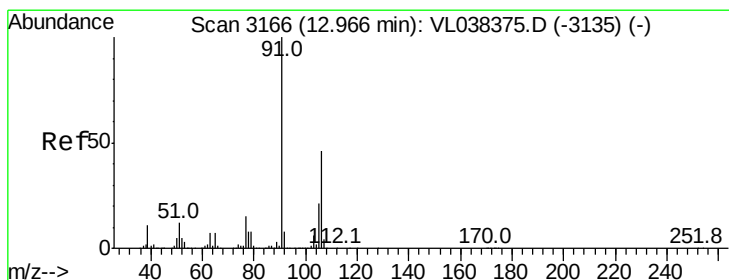
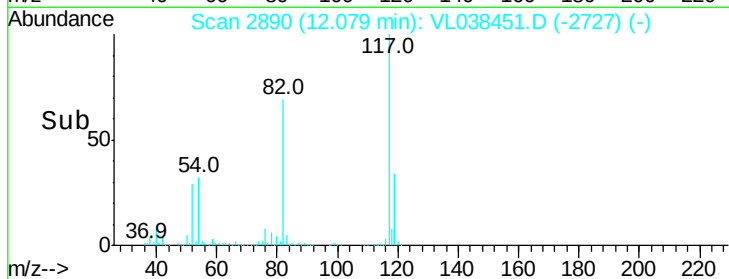
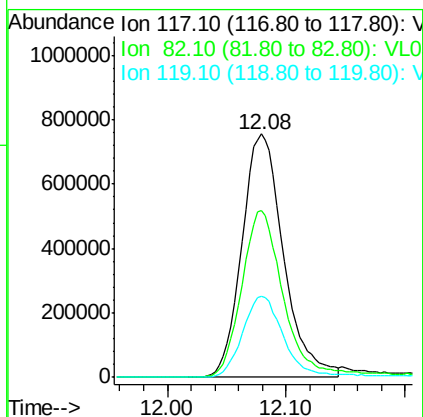
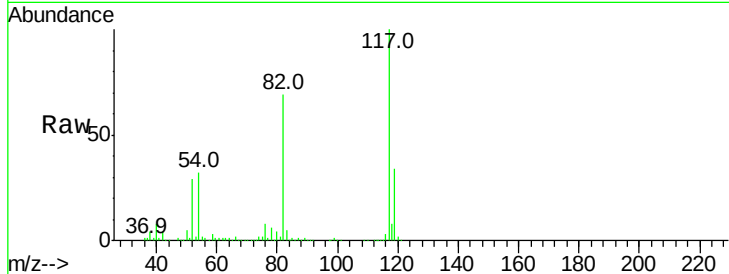


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.08
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 1 Mar 2022 14:59

Tgt Ion: 1
Ion Ratio
117 100
82 71.
119 33.

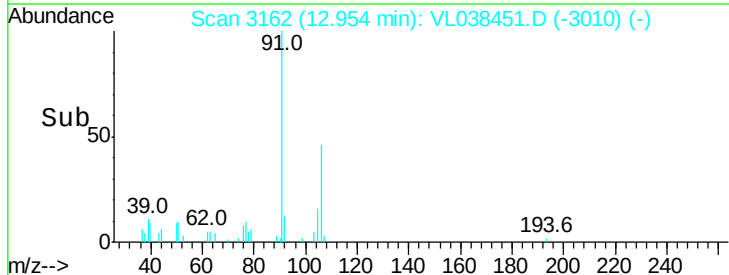
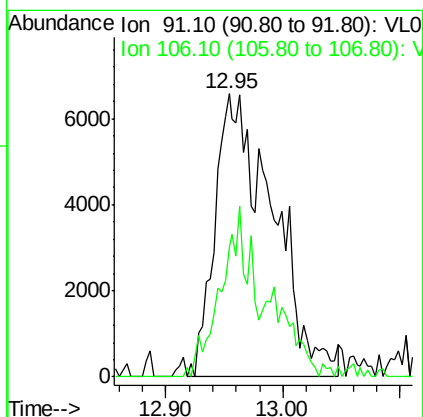
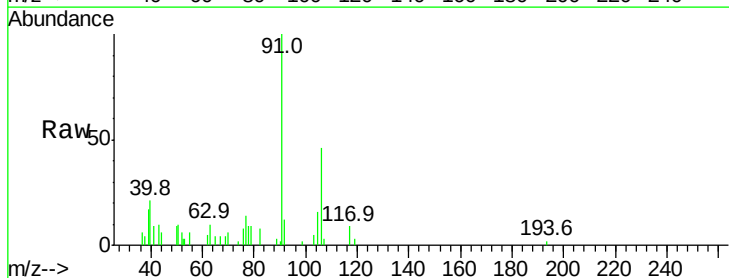
Manual Integrations
APPROVED

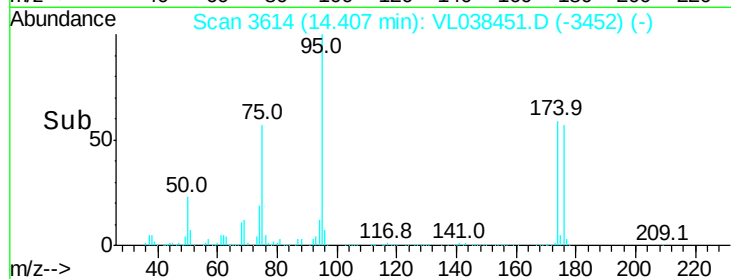
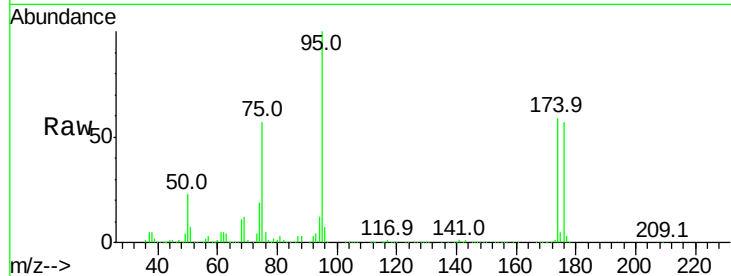
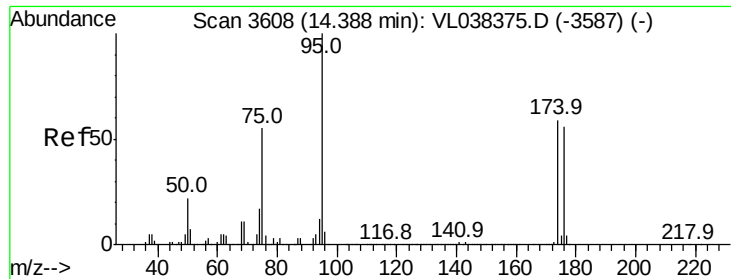
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#59
m/p-Xylene
Concen: 0.11 ppbv m
RT: 12.95 min Scan# 3162
Delta R.T. -0.01 min
Lab File: VL038451.D
Acq: 1 Mar 2022 14:59

Tgt Ion: 91 Resp: 22642
Ion Ratio Lower Upper
91 100
106 0.0 34.4 51.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.51 ppbv

RT: 14.41

Delta R.T

Lab File: ClientSampleId :

Acq: 1 Mar 2022 14.39

Tgt Ion:

Ion Ratio

95 100

174 62.

175 4.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/02/2022

Supervised By :Mahesh Dadoda 03/02/2022

