

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\
 Data File : VL038517.D
 Acq On : 3 Mar 2022 17:13
 Operator : SY/AP
 Sample : N1791-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA-9C

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/07/2022
 Supervised By :Mahesh Dadoda 03/07/2022

Quant Time: Mar 05 16:02:13 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	5.65	49	784465	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	1787948	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	1529683	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1281390	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	32396	0.261	ppbv #	80
4) Chloromethane	3.14	50	34673	0.720	ppbv	97
9) Propene	3.01	41	61194	1.338	ppbv	90
11) Trichlorofluoromethane	3.94	101	26459m	0.222	ppbv	
13) Ethanol	3.59	45	3278611	718.293	ppbv	89
15) Acetone	3.84	43	516694m	7.745	ppbv	
17) tert-Butyl alcohol	4.29	59	17768m	0.267	ppbv	
19) Isopropyl Alcohol	3.96	45	319182	8.262	ppbv #	95
20) Methylene Chloride	4.33	84	54673m	1.654	ppbv	
26) Hexane	5.67	57	107391m	1.323	ppbv	
29) Chloroform	5.74	83	93921	0.709	ppbv	94
34) 2-Butanone	5.23	43	38843	0.691	ppbv #	90
35) Carbon Tetrachloride	7.00	117	9499m	0.076	ppbv	
36) Benzene	6.87	78	43965	0.279	ppbv	97
38) Trichloroethene	7.82	130	5908m	0.103	ppbv	
53) Toluene	9.78	91	99272	0.581	ppbv	97
59) m/p-Xylene	12.94	91	30640m	0.171	ppbv	

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

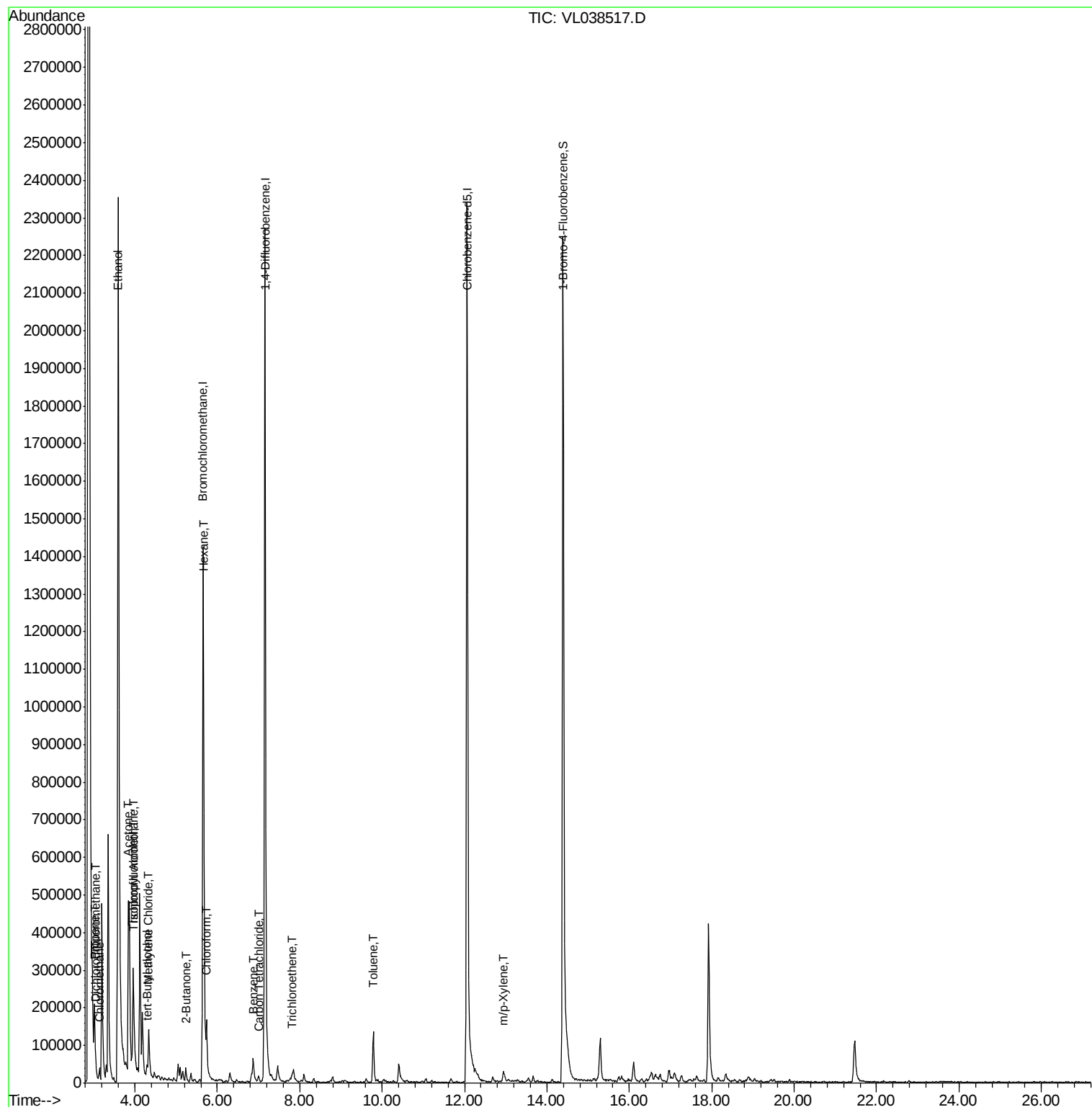
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030322\
Data File : VL038517.D
Acq On : 3 Mar 2022 17:13
Operator : SY/AP
Sample : N1791-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

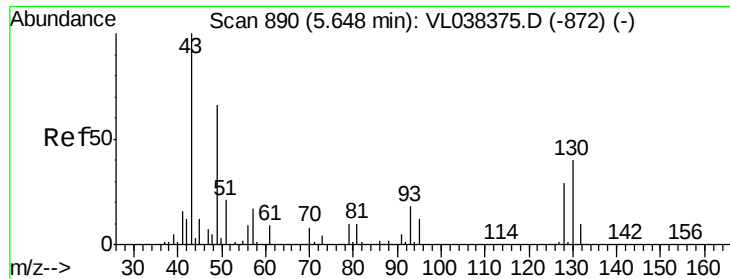
Instrument :
MSVOA_L
ClientSampleId :
IA-9C

Quant Time: Mar 05 16:02:13 2022
Quant Method : Z:\V0ASRV\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

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/07/2022
Supervised By :Mahesh Dadoda 03/07/2022



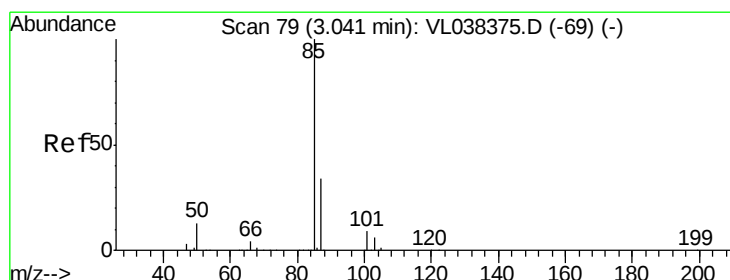
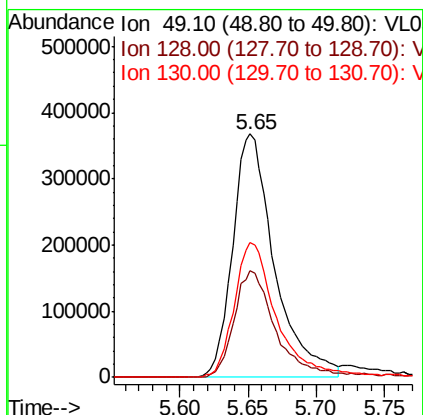
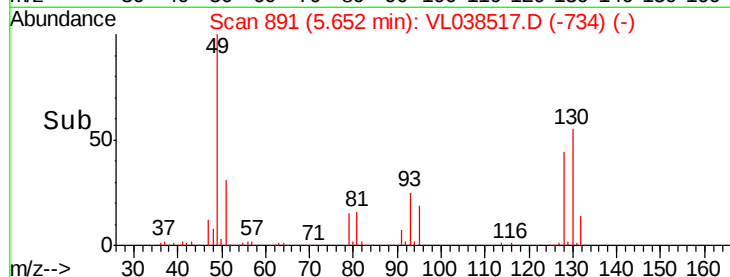
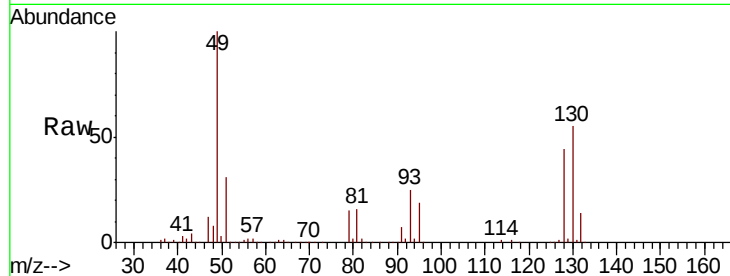


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 17:13

Tot Ion:
 Ion Ratio
 49 100
 128 44.
 130 57.

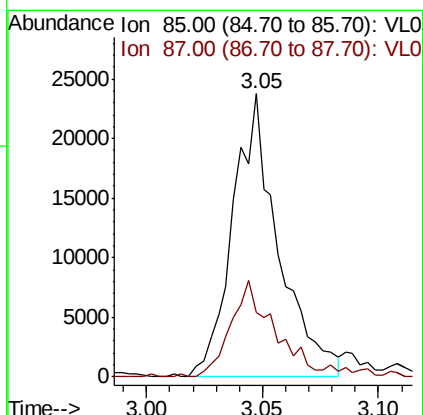
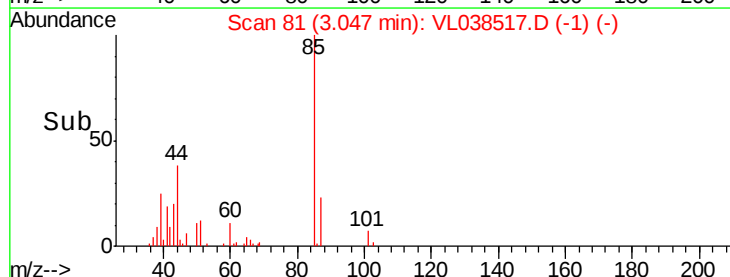
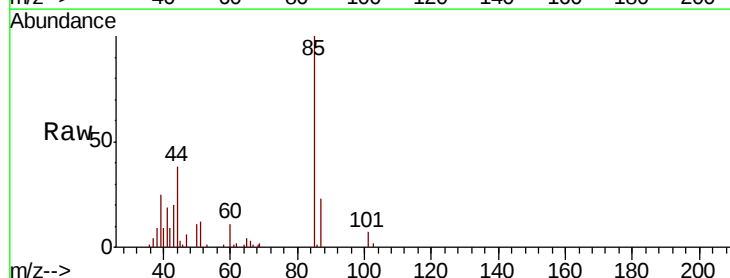
Manual Integrations
 APPROVED

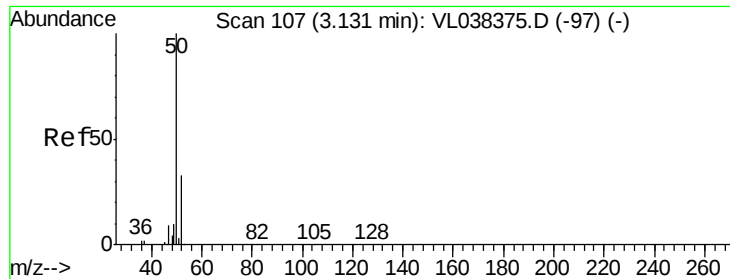
Reviewed By :Semsettin Yesilyurt 03/07/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#2
 Dichlorodifluoromethane
 Concen: 0.261 ppbv
 RT: 3.05 min Scan# 81
 Delta R.T. 0.01 min
 Lab File: VL038517.D
 Acq: 3 Mar 2022 17:13

Tgt Ion: 85 Resp: 32396
 Ion Ratio Lower Upper
 85 100
 87 22.7 27.4 41.0#





#4

Chloromethane

Concen: 0.720 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 17:13

Tot Ion:

Ion Ratio

50 100

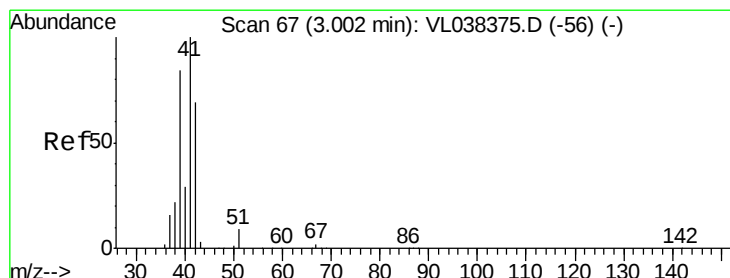
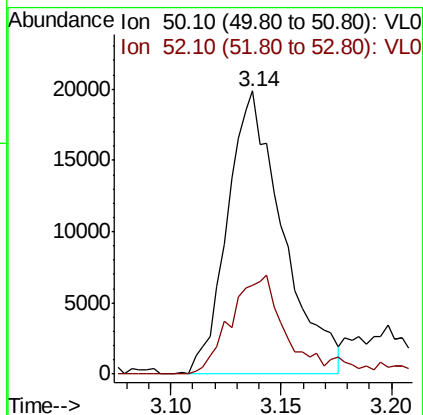
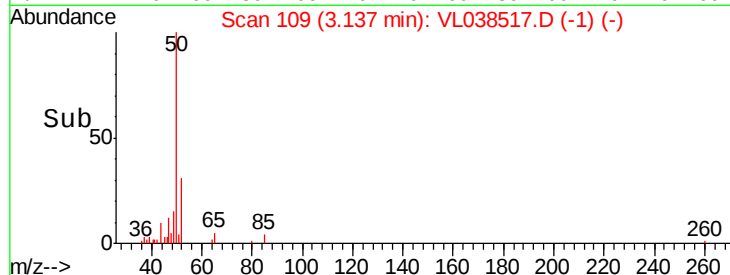
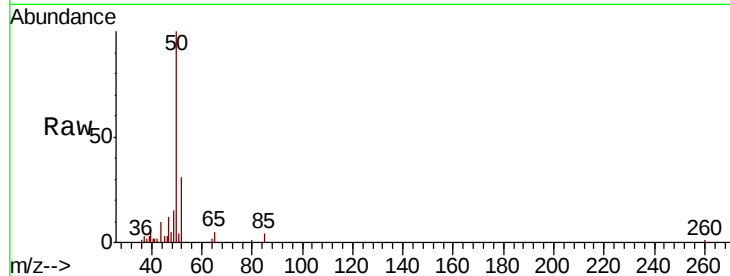
52 31.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/07/2022

Supervised By :Mahesh Dadoda 03/07/2022



#9

Propene

Concen: 1.338 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL038517.D

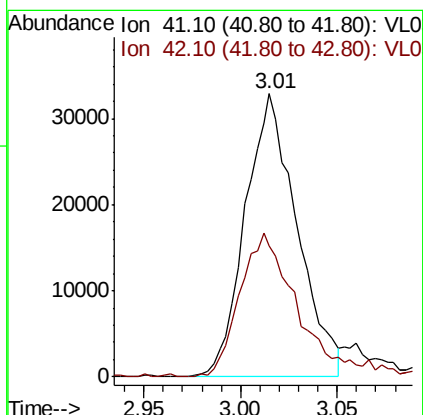
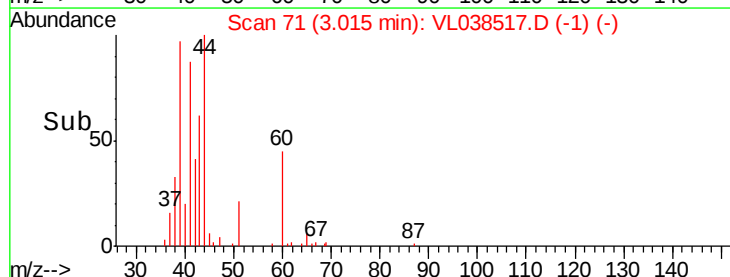
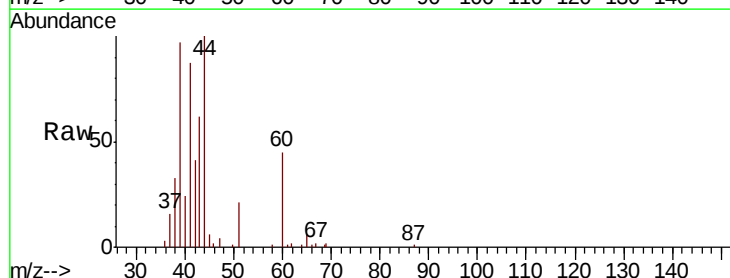
Acq: 3 Mar 2022 17:13

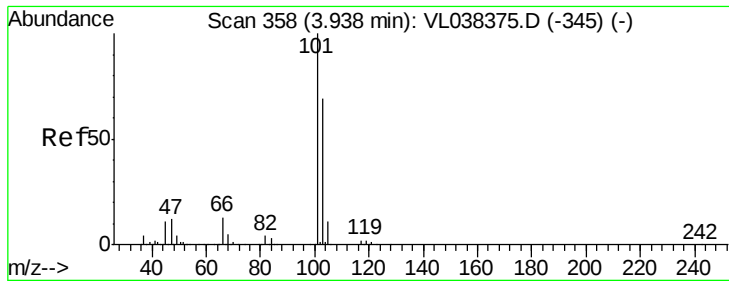
Tgt Ion: 41 Resp: 61194

Ion Ratio Lower Upper

41 100

42 60.4 54.6 82.0



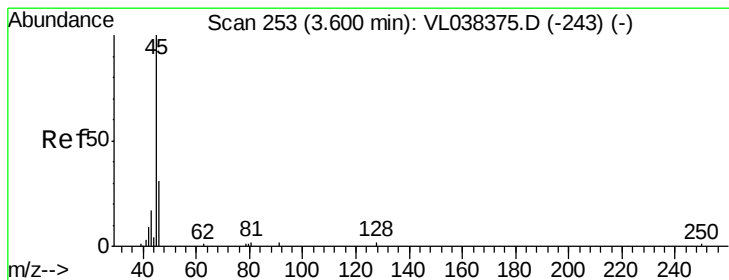
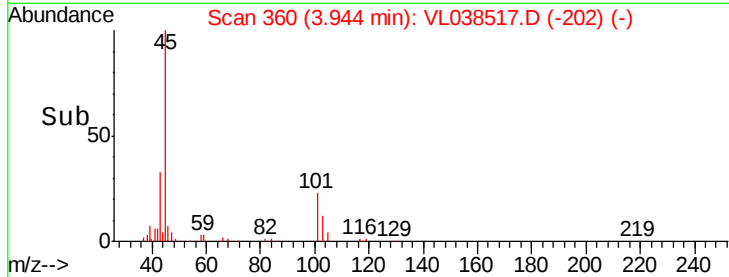
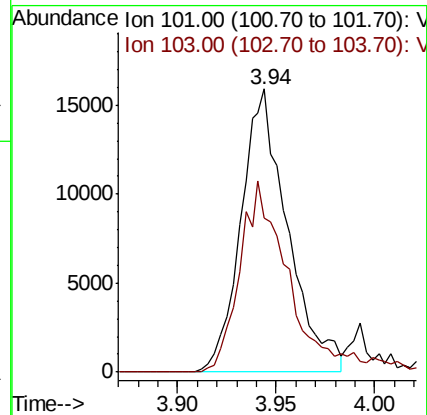
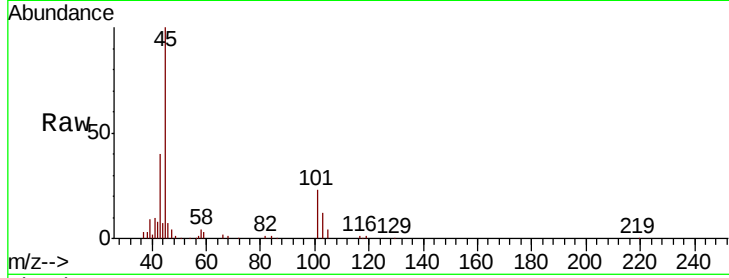


#11
 Trichlorofluoromethane
 Concen: 0.222 ppbv m
 RT: 3.94
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 17:13

Tot Ion:1
 Ion Rati
 101 100
 103 54.

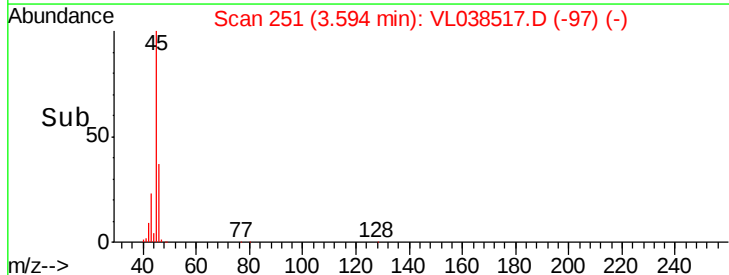
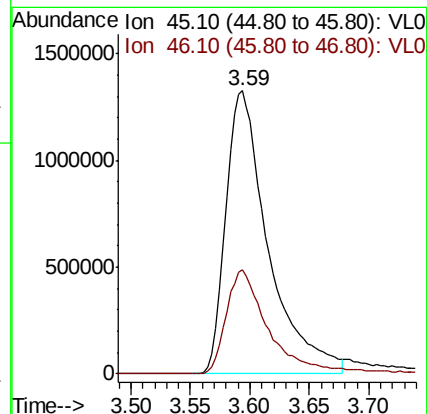
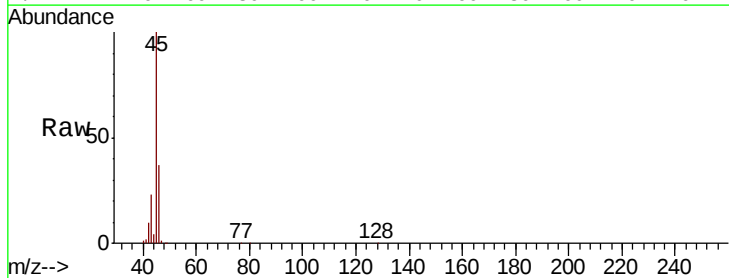
Manual Integrations
 APPROVED

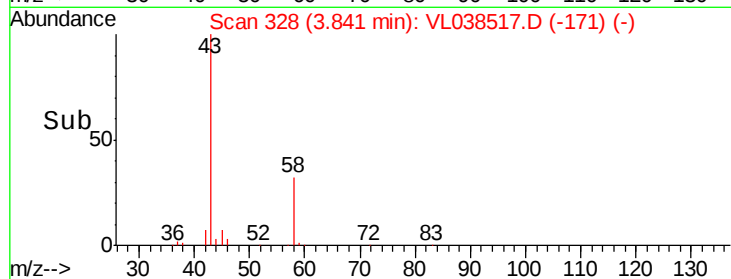
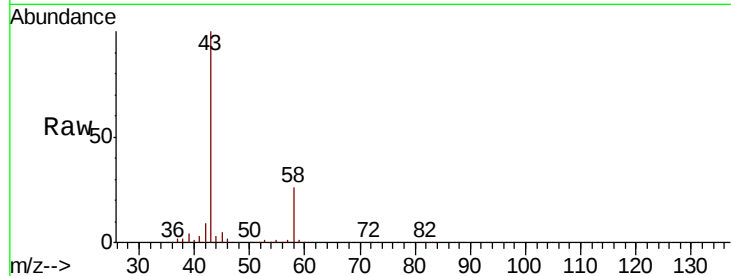
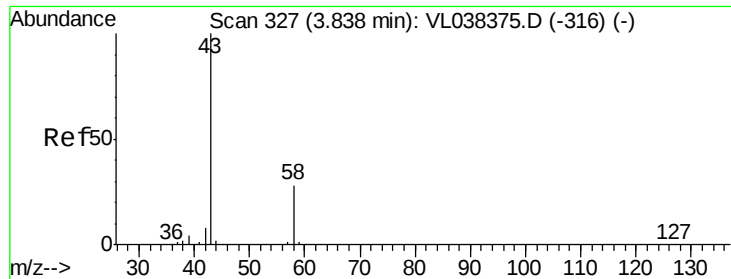
Reviewed By :Semsettin Yesilyurt 03/07/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#13
 Ethanol
 Concen: 718.293 ppbv
 RT: 3.59 min Scan# 251
 Delta R.T. -0.01 min
 Lab File: VL038517.D
 Acq: 3 Mar 2022 17:13

Tgt Ion: 45 Resp: 3278611
 Ion Ratio Lower Upper
 45 100
 46 38.4 18.2 72.8





#15

Acetone

Concen: 7.745 ppbv m

RT: 3.84

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 17:13

Tot Ion:

Ion Ratio

43 100

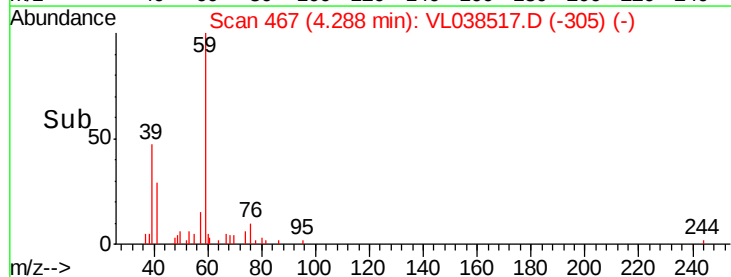
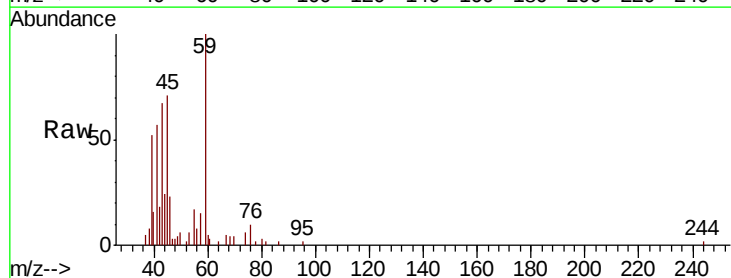
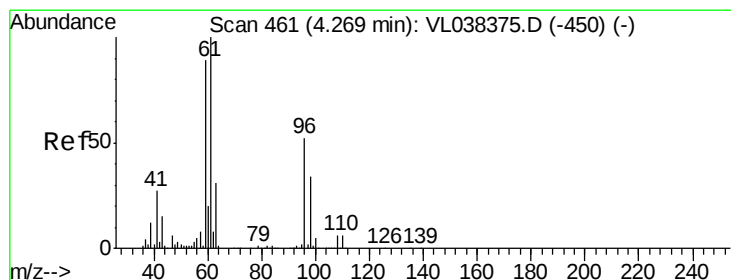
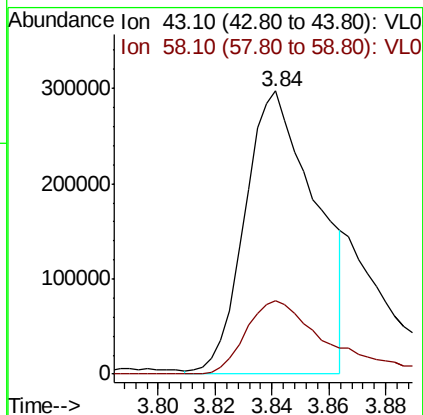
58 31.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/07/2022

Supervised By :Mahesh Dadoda 03/07/2022



#17

tert-Butyl alcohol

Concen: 0.267 ppbv m

RT: 4.29 min Scan# 467

Delta R.T. 0.02 min

Lab File: VL038517.D

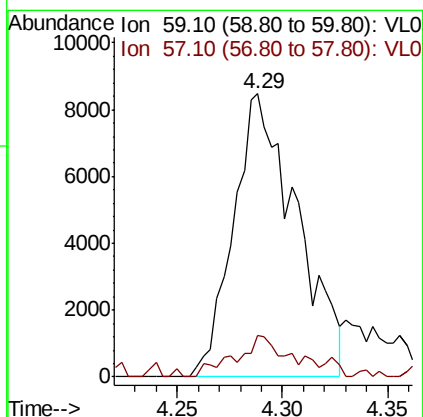
Acq: 3 Mar 2022 17:13

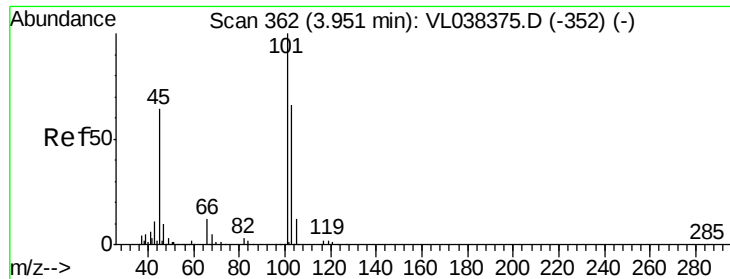
Tgt Ion: 59 Resp: 17768

Ion Ratio Lower Upper

59 100

57 15.0 8.4 12.6#



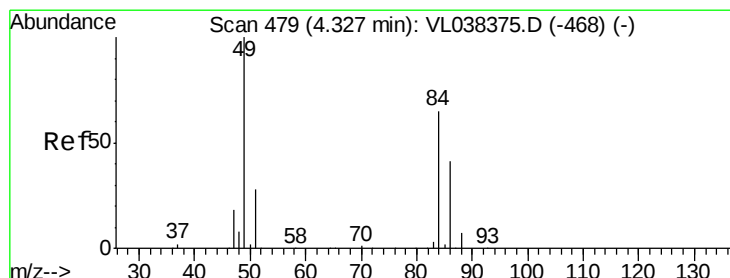
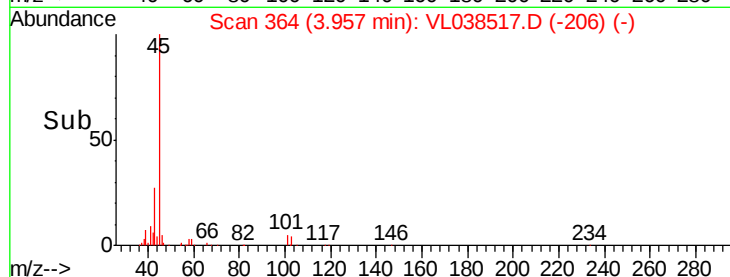
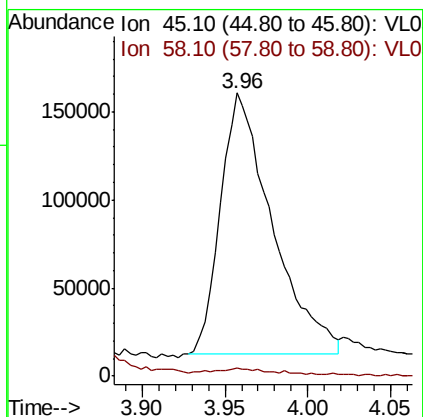
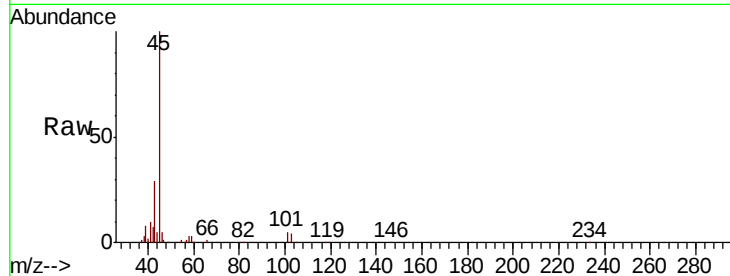


#19
Isopropyl Alcohol
Concen: 8.262 ppbv
RT: 3.96 min
Delta R.T.: 0.01 min
Lab File: VL038517.D
Acq: 3 Mar 2022 17:13

Tot Ion: 45.10
Ion Ratio: 100
58 4.

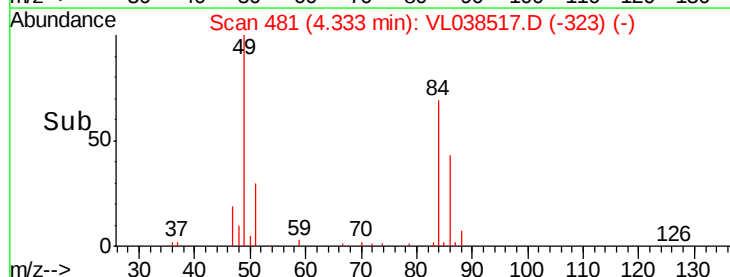
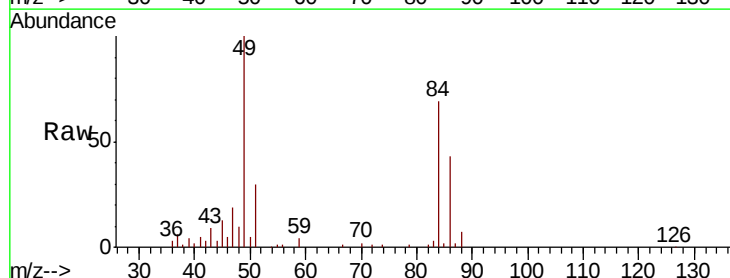
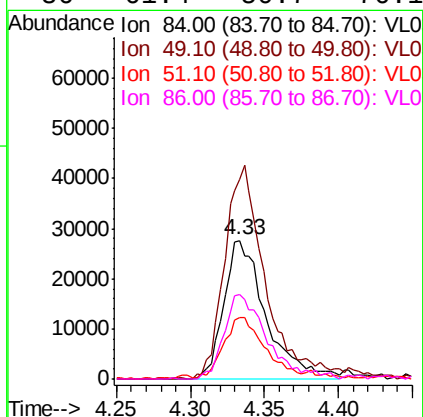
Manual Integrations
APPROVED

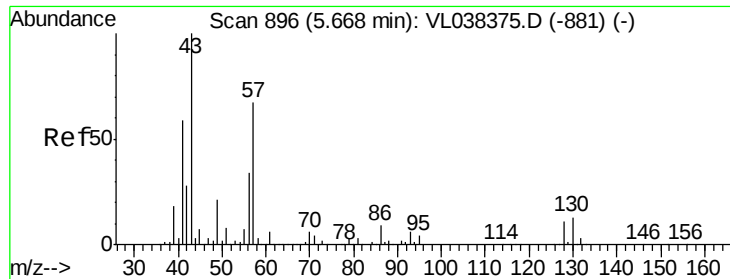
Reviewed By :Semsettin Yesilyurt 03/07/2022
Supervised By :Mahesh Dadoda 03/07/2022



#20
Methylene Chloride
Concen: 1.654 ppbv m
RT: 4.33 min Scan# 481
Delta R.T.: 0.01 min
Lab File: VL038517.D
Acq: 3 Mar 2022 17:13

Tgt Ion: 84 Resp: 54673
Ion Ratio Lower Upper
84 100
49 144.4 122.4 183.6
51 44.0 33.3 49.9
86 61.4 50.7 76.1



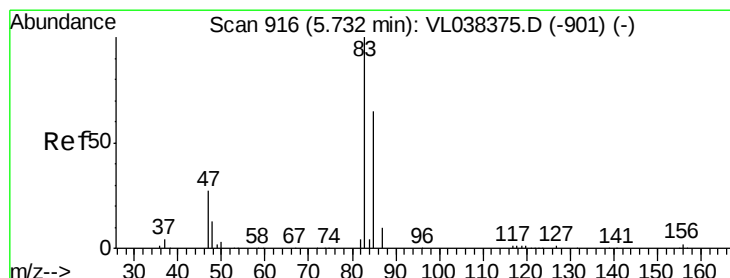
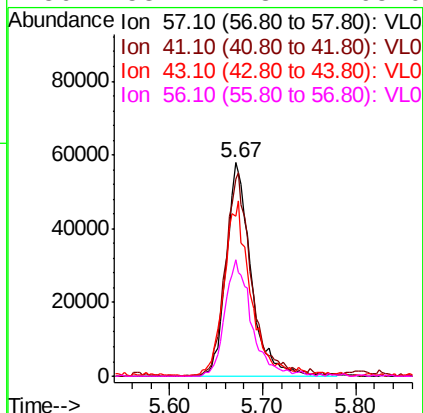
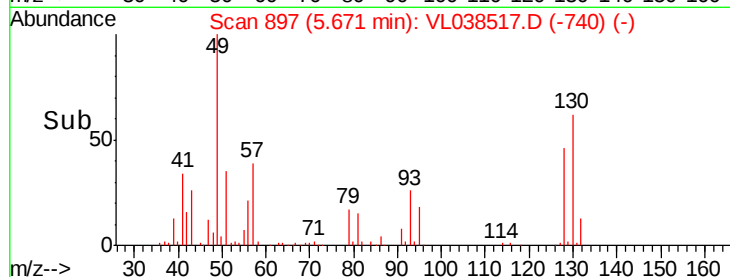
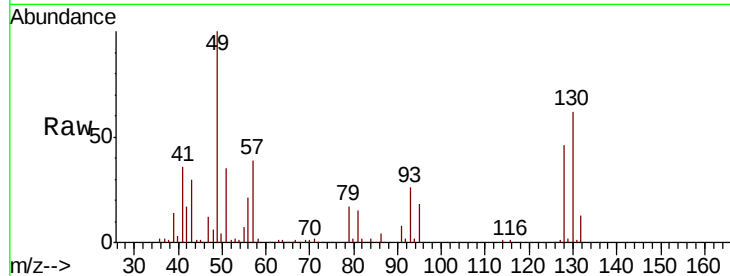


#26
Hexane
Concen: 1.323 ppbv m
RT: 5.67
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Mar 2022 17:13

Tot Ion:
Ion Ratio
57 100
41 103.
43 91.
56 58.4 43.4 65.0

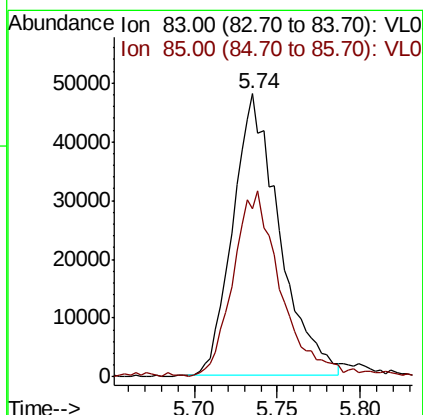
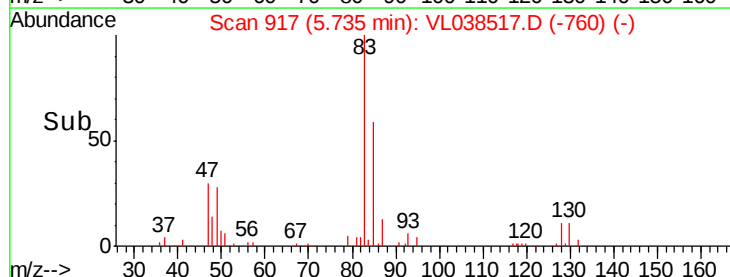
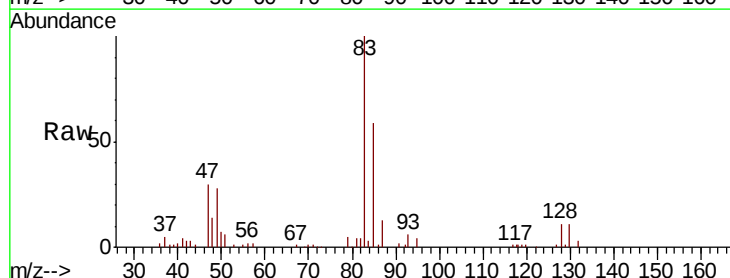
Manual Integrations
APPROVED

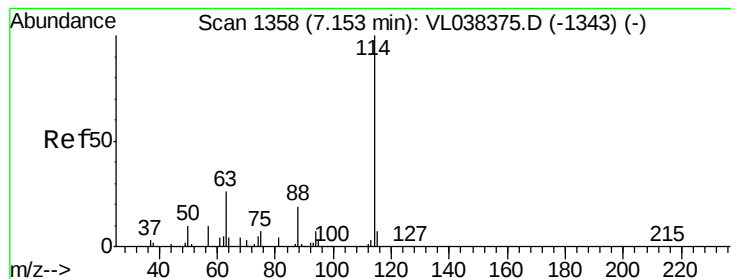
Reviewed By :Semsettin Yesilyurt 03/07/2022
Supervised By :Mahesh Dadoda 03/07/2022



#29
Chloroform
Concen: 0.709 ppbv
RT: 5.74 min Scan# 917
Delta R.T. 0.00 min
Lab File: VL038517.D
Acq: 3 Mar 2022 17:13

Tgt Ion: 83 Resp: 93921
Ion Ratio Lower Upper
83 100
85 59.7 51.6 77.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 17:13

Tot Ion:1

Ion Rati

114 100

63 27.

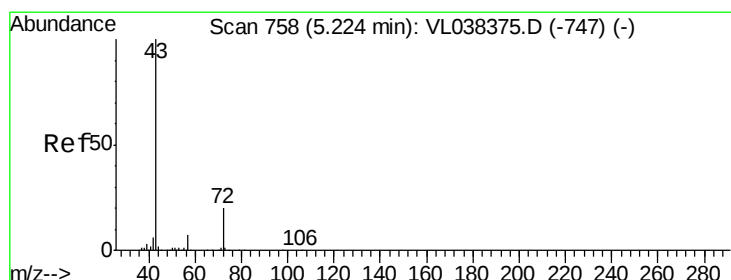
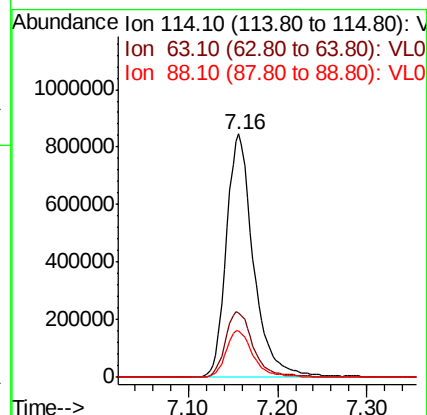
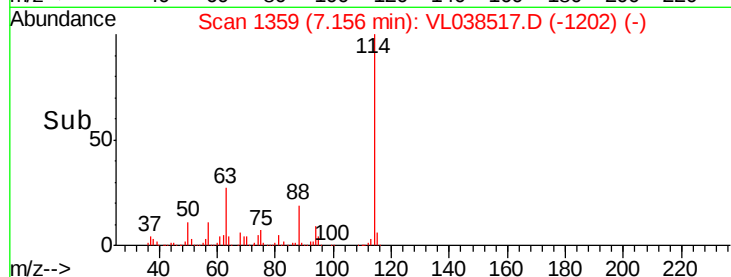
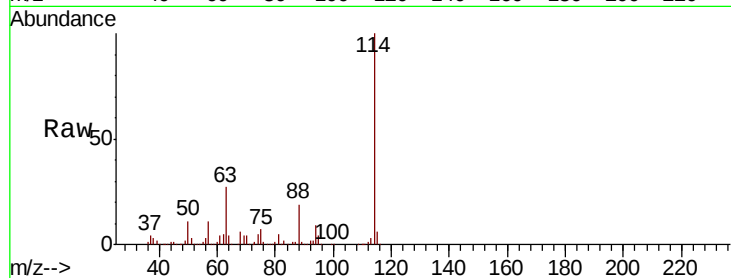
88 19.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/07/2022

Supervised By :Mahesh Dadoda 03/07/2022



#34

2-Butanone

Concen: 0.691 ppbv

RT: 5.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VL038517.D

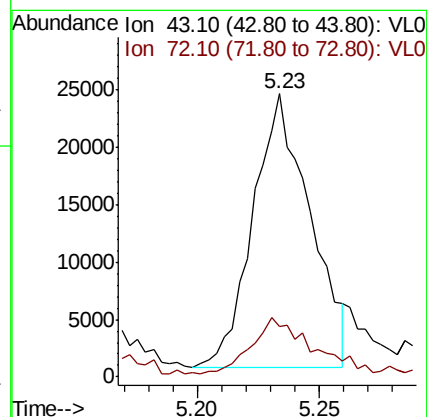
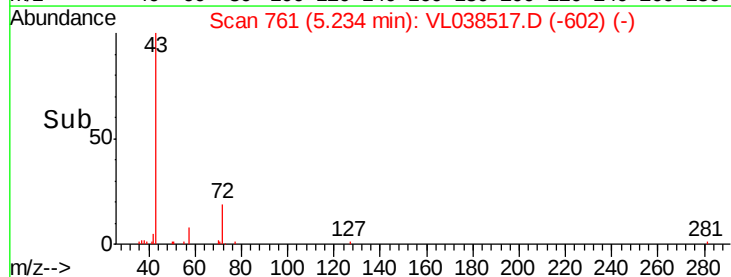
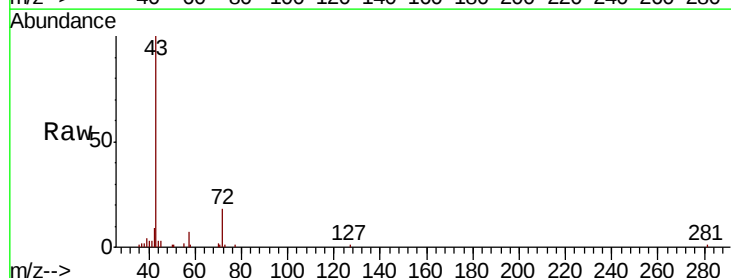
Acq: 3 Mar 2022 17:13

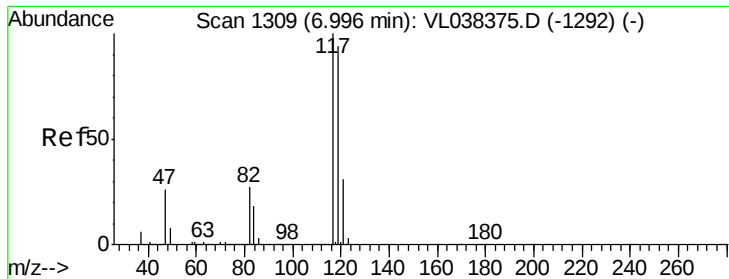
Tgt Ion: 43 Resp: 38843

Ion Ratio Lower Upper

43 100

72 26.4 17.4 26.2#





#35

Carbon Tetrachloride

Concen: 0.076 ppbv m

RT: 7.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 17:13

Tot Ion:1

Ion Rati

117 100

119 80.

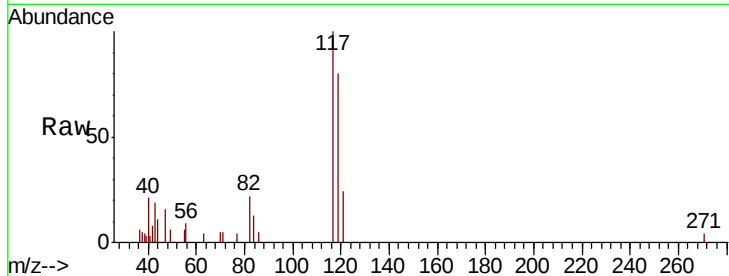
121 24.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/07/2022

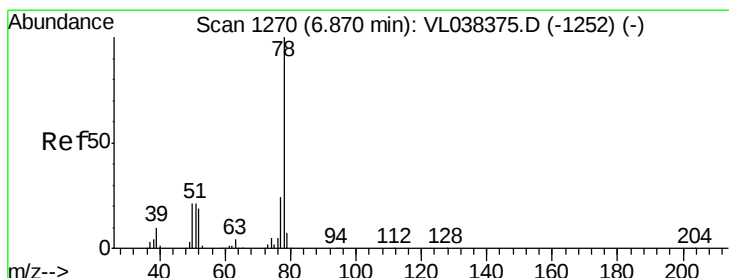
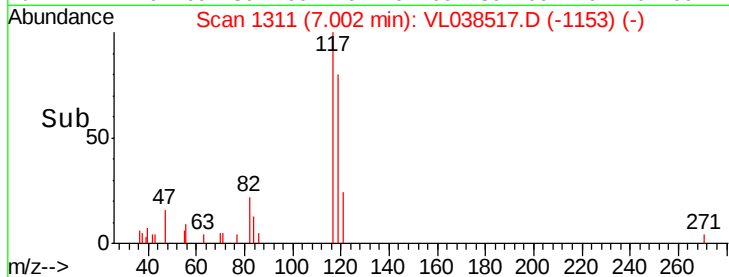
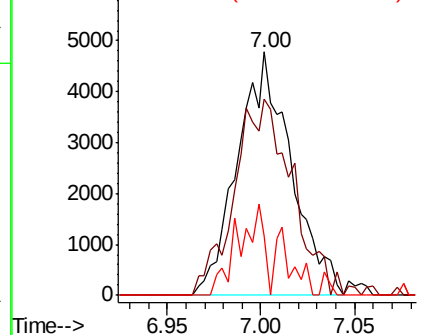
Supervised By :Mahesh Dadoda 03/07/2022



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.279 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VL038517.D

Acq: 3 Mar 2022 17:13

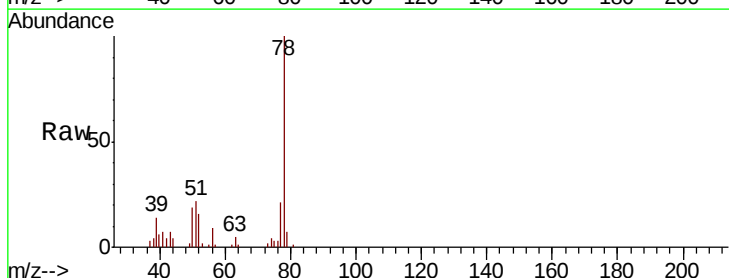
Tgt Ion: 78 Resp: 43965

Ion Ratio Lower Upper

78 100

77 21.6 19.0 28.6

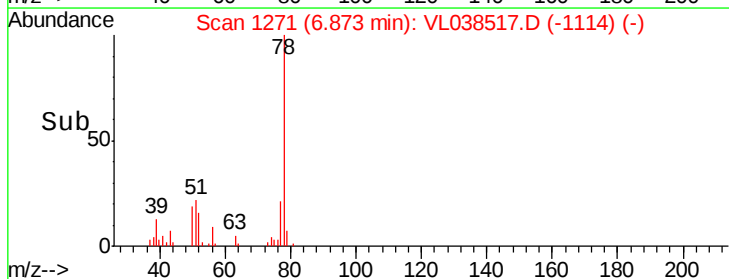
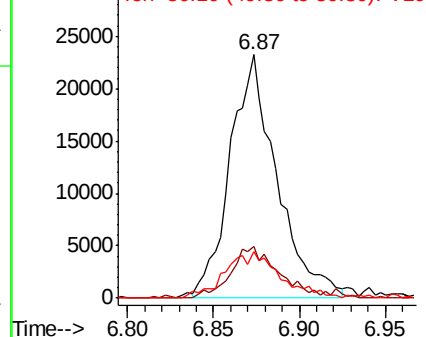
50 19.7 16.6 24.8

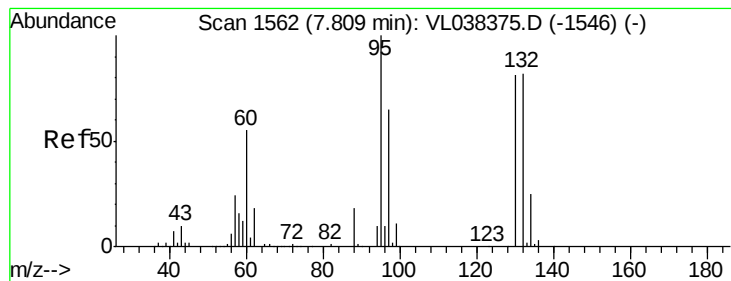


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#38

Trichloroethene

Concen: 0.103 ppbv m

RT: 7.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 17:13

Tot Ion:1

Ion Rati

130 100

95 102.

132 59.

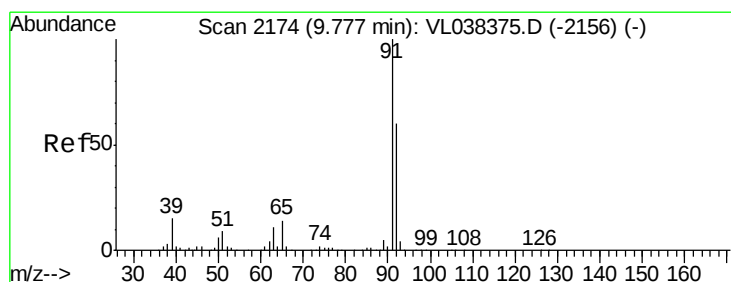
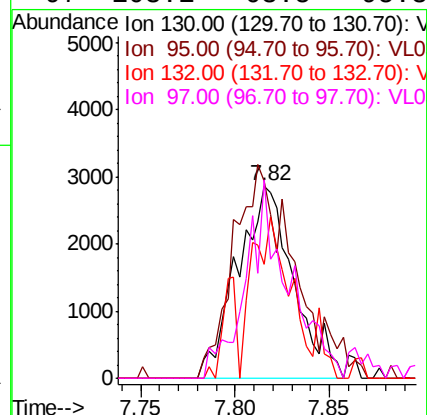
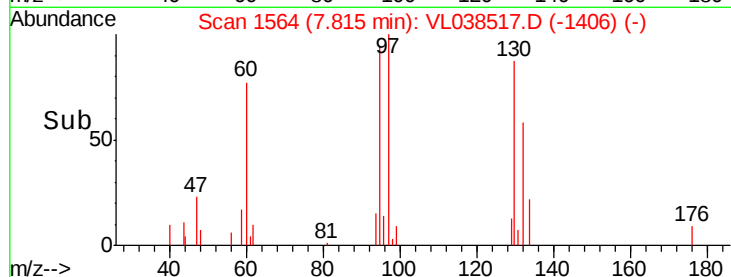
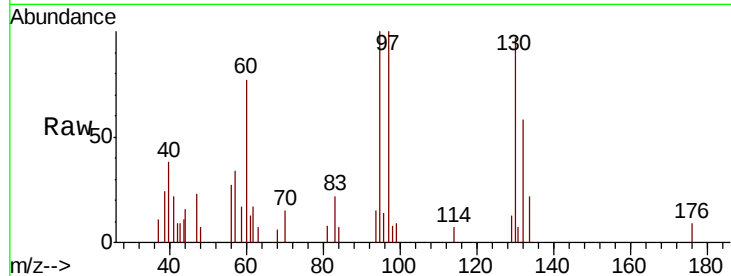
97 103.1 63.5 95.3#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/07/2022

Supervised By :Mahesh Dadoda 03/07/2022



#53

Toluene

Concen: 0.581 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. 0.01 min

Lab File: VL038517.D

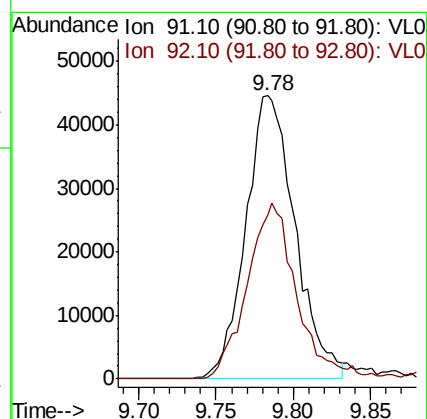
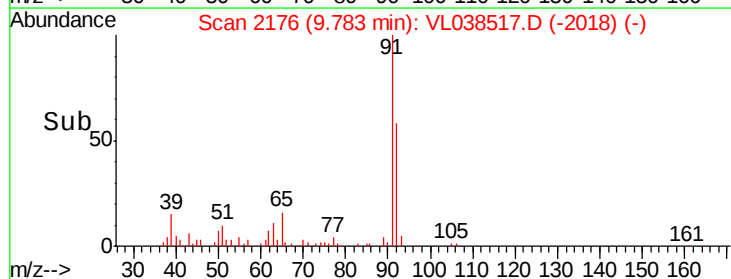
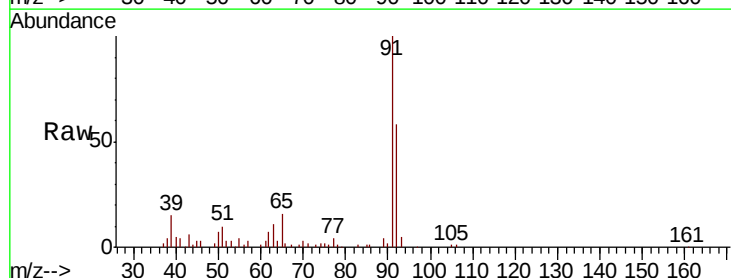
Acq: 3 Mar 2022 17:13

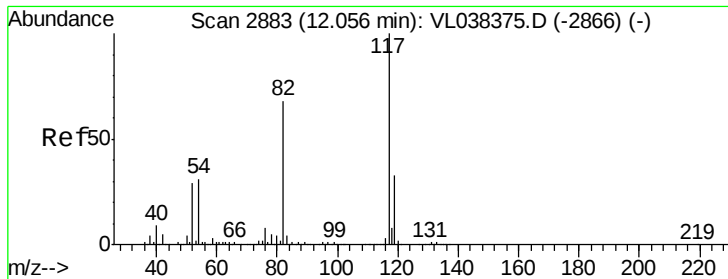
Tgt Ion: 91 Resp: 99272

Ion Ratio Lower Upper

91 100

92 62.4 48.2 72.4



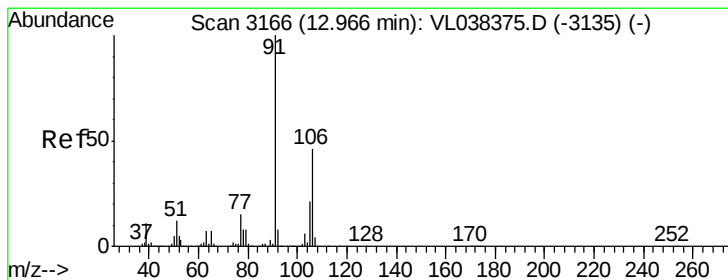
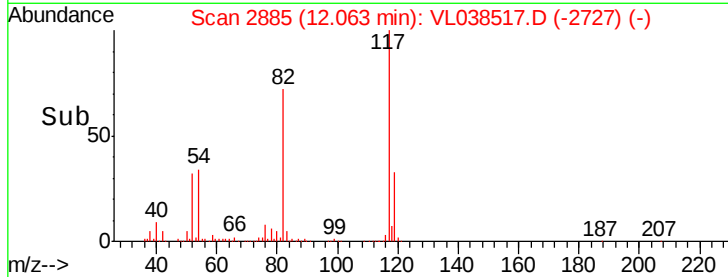
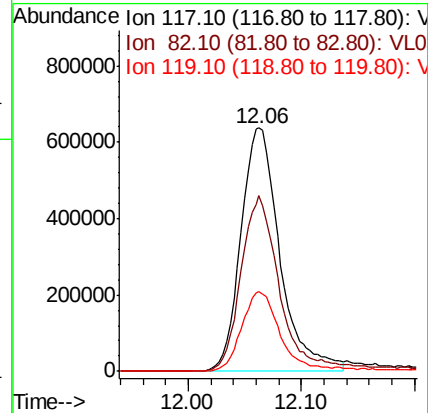
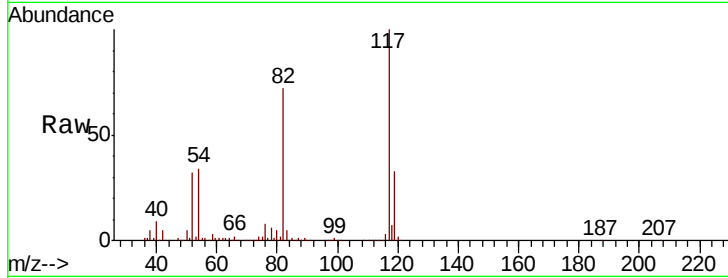


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 17:13

Tot Ion: 1
Ion Ratio
117 100
82 74.
119 32.

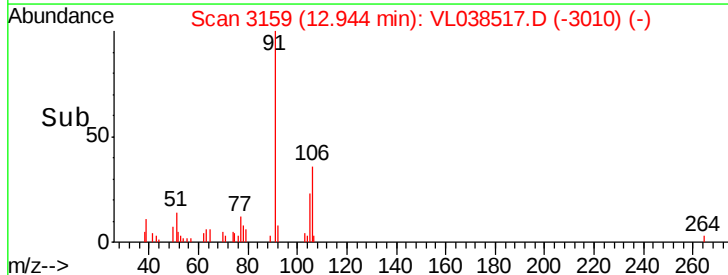
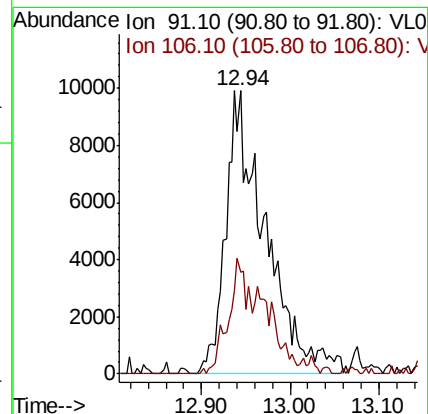
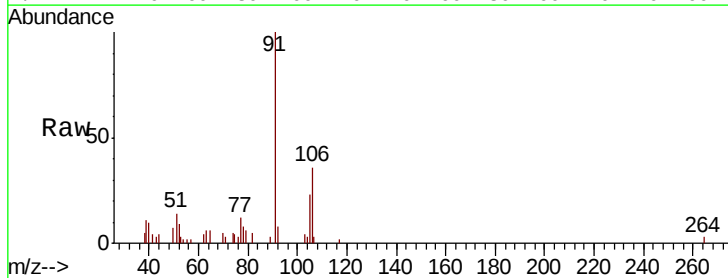
Manual Integrations
APPROVED

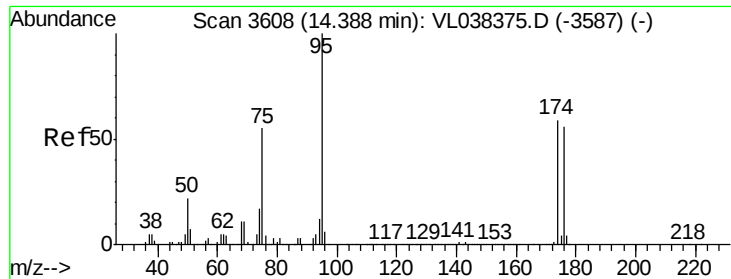
Reviewed By :Semsettin Yesilyurt 03/07/2022
Supervised By :Mahesh Dadoda 03/07/2022



#59
m/p-Xylene
Concen: 0.171 ppbv m
RT: 12.94 min Scan# 3159
Delta R.T. -0.02 min
Lab File: VL038517.D
Acq: 3 Mar 2022 17:13

Tgt Ion: 91 Resp: 30640
Ion Ratio Lower Upper
91 100
106 0.0 34.4 51.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.124 ppbv
 RT: 14.39
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 17:15

Tot Ion:
 Ion Rati
 95 100
 174 60.
 175 4.

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/07/2022
 Supervised By :Mahesh Dadoda 03/07/2022

