

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038979.D
 Acq On : 5 May 2022 19:21
 Operator : SY/AP
 Sample : N2698-05
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022
 Supervised By :Mahesh Dadoda 05/09/2022

Quant Time: May 06 08:34:31 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu May 05 07:41:27 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1157276	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2939162	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2489665	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1808502	9.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	52241	0.288	ppbv	98
3) Chlorodifluoromethane	2.99	51	42254m	0.294	ppbv	
4) Chloromethane	3.14	50	34989	0.487	ppbv	89
9) Propene	3.02	41	28507m	0.455	ppbv	
11) Trichlorofluoromethane	3.95	101	29586m	0.190	ppbv	
13) Ethanol	3.61	45	77988m	15.925	ppbv	
15) Acetone	3.85	43	243791m	2.233	ppbv	
19) Isopropyl Alcohol	3.99	45	40573m	0.782	ppbv	
20) Methylene Chloride	4.34	84	382029	9.285	ppbv	89
26) Hexane	5.68	57	506313	4.361	ppbv #	38
34) 2-Butanone	5.25	43	19316m	0.129	ppbv	
35) Carbon Tetrachloride	7.01	117	10891m	0.056	ppbv	
36) Benzene	6.88	78	30877m	0.123	ppbv	
53) Toluene	9.80	91	62790m	0.223	ppbv	
59) m/p-Xylene	12.95	91	35839m	0.117	ppbv	

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

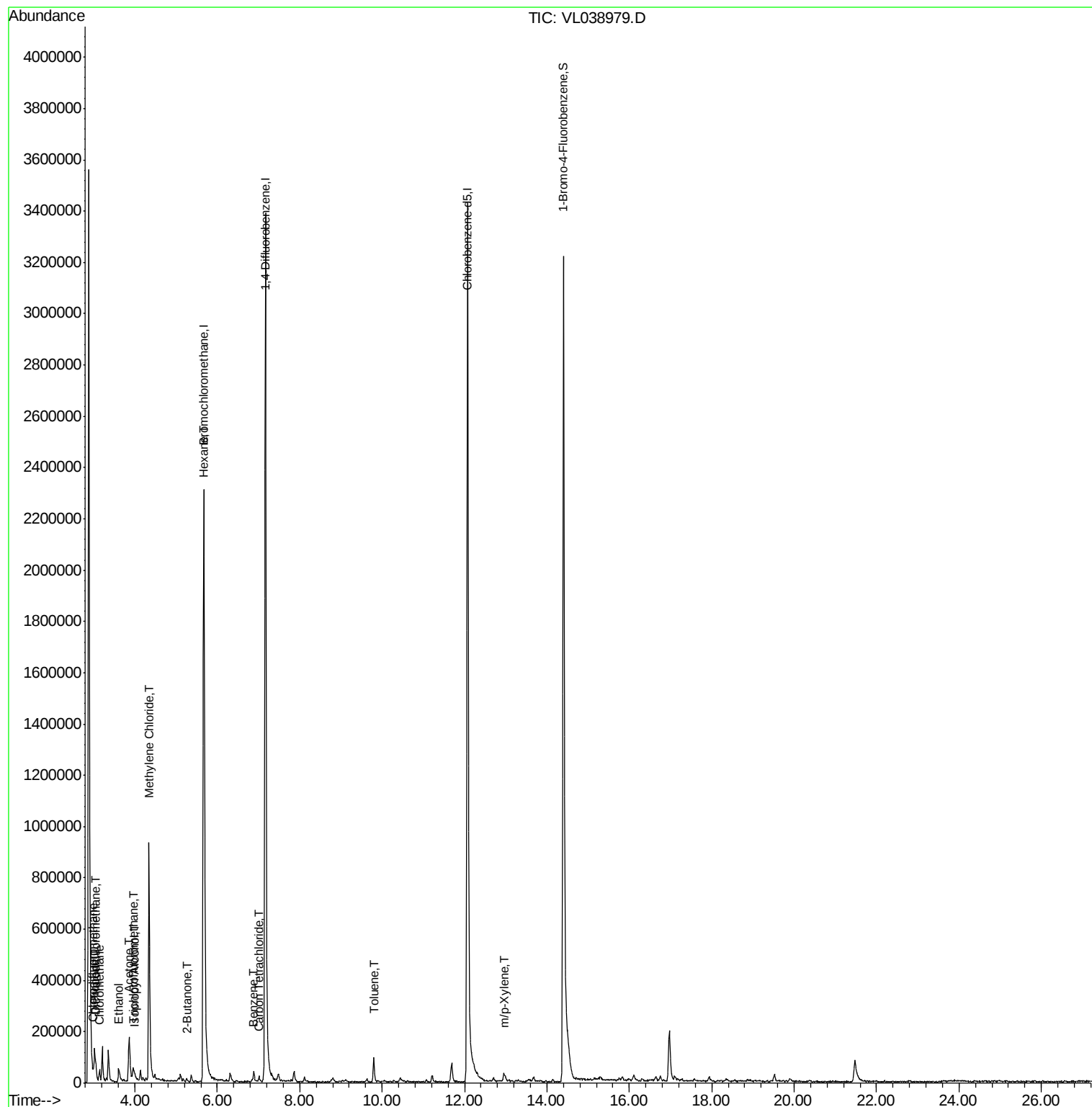
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050522\
Data File : VL038979.D
Acq On : 5 May 2022 19:21
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Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: May 06 08:34:31 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050522\
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu May 05 07:41:27 2022
Response via : Initial Calibration

Manual Integrations
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Supervised By :Mahesh Dadoda 05/09/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: OA1

Acq: 5 May 2022 19:21

Tot Ion:

Ion Ratio

49 100

128 47.

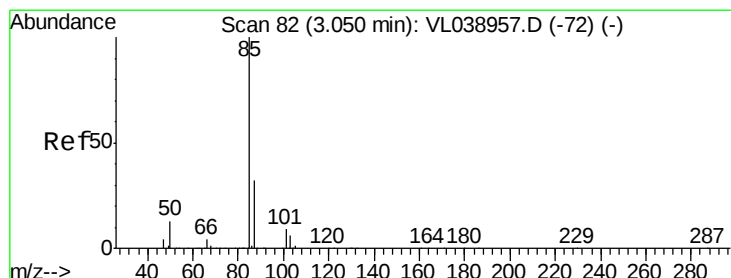
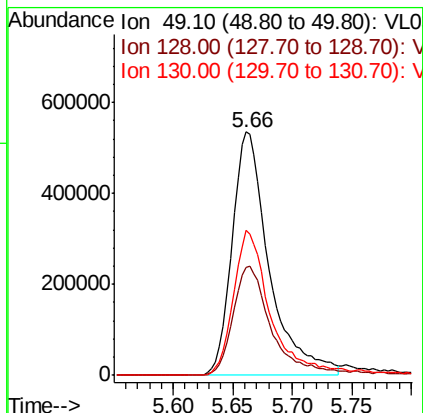
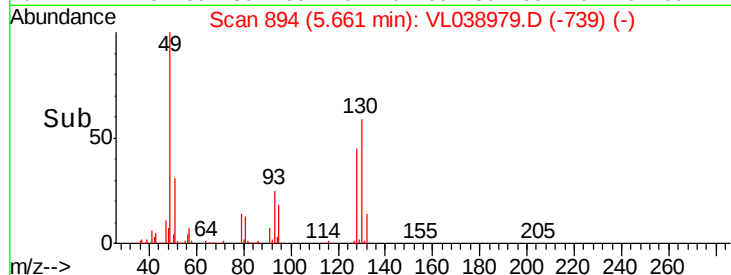
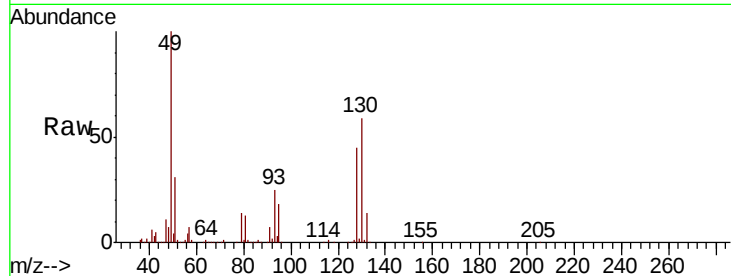
130 61.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#2

Dichlorodifluoromethane

Concen: 0.288 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL038979.D

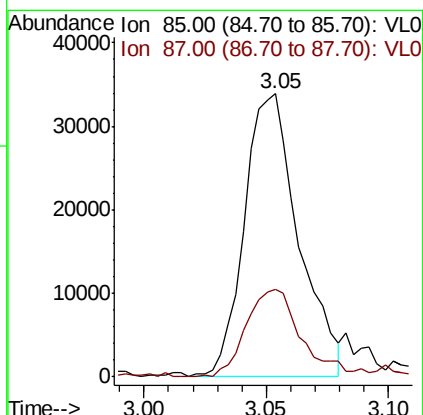
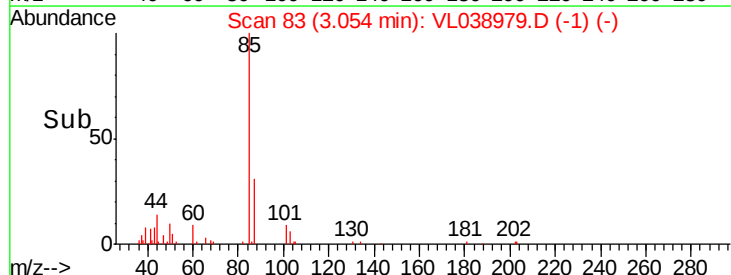
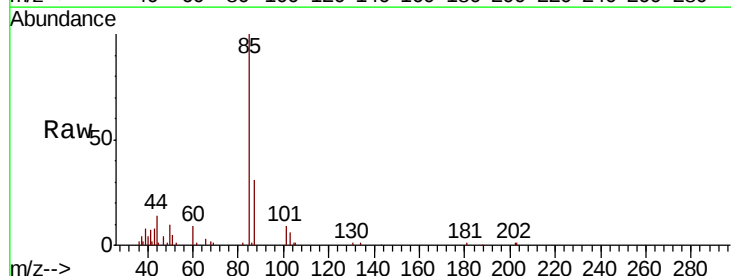
Acq: 5 May 2022 19:21

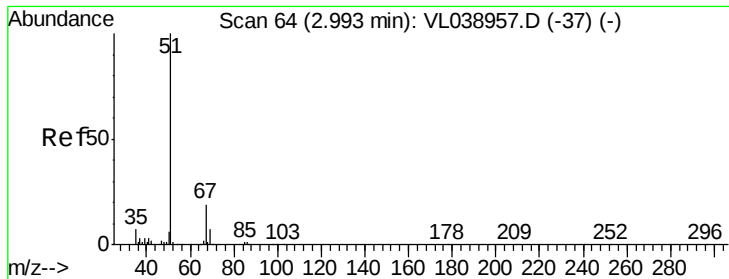
Tgt Ion: 85 Resp: 52241

Ion Ratio Lower Upper

85 100

87 30.8 25.7 38.5





#3

Chlorodifluoromethane

Concen: 0.294 ppbv m

RT: 2.99 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId : OA1

Acq: 5 May 2022 19:21

Tot Ion:

Ion Ratio

51 100

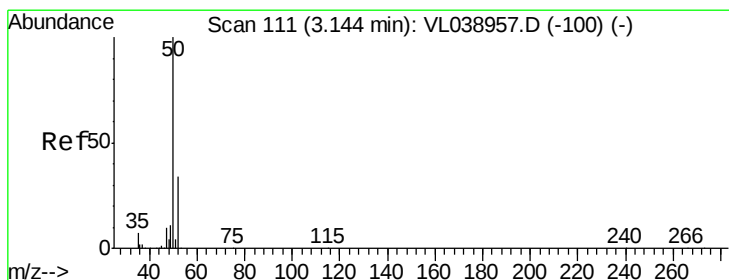
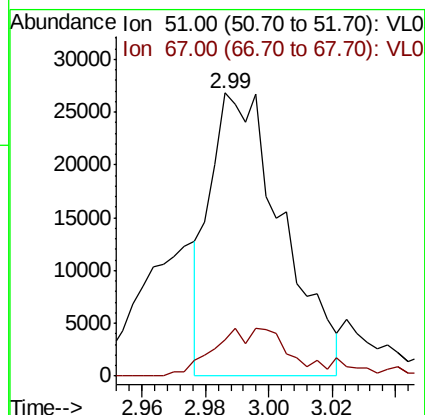
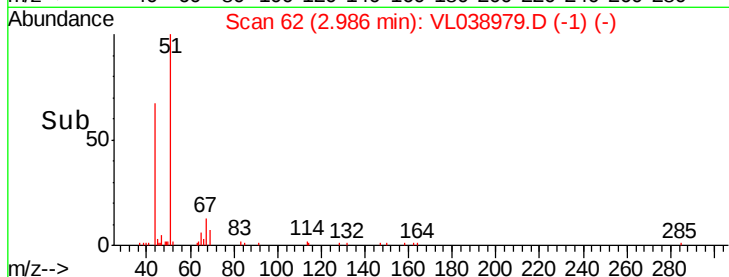
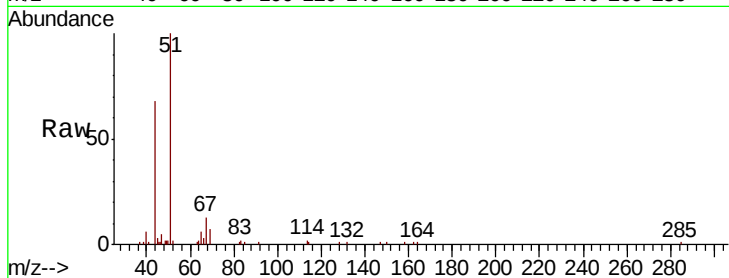
67 21.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#4

Chloromethane

Concen: 0.487 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL038979.D

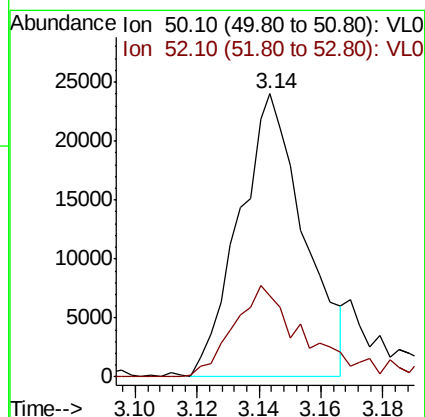
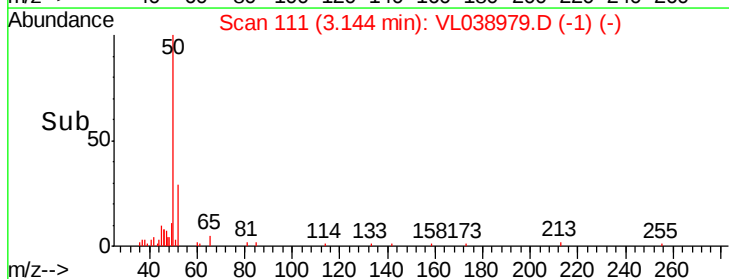
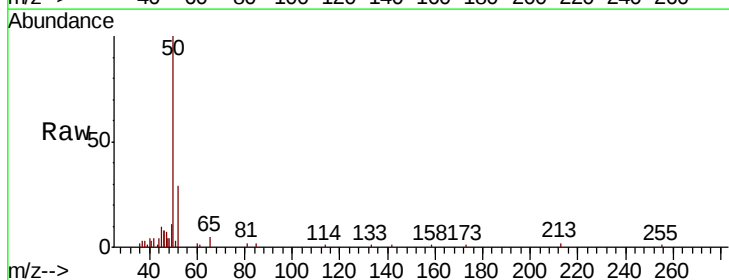
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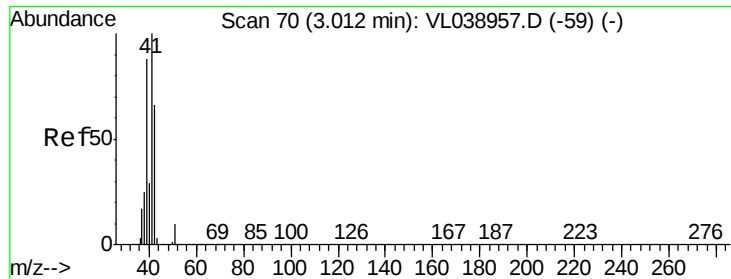
Tgt Ion: 50 Resp: 34989

Ion Ratio Lower Upper

50 100

52 28.1 27.3 40.9





#9

Propene

Concen: 0.455 ppbv m

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 19:21

Tot Ion:

Ion Ratio

41 100

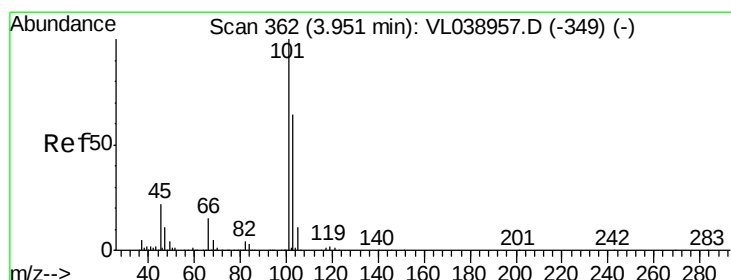
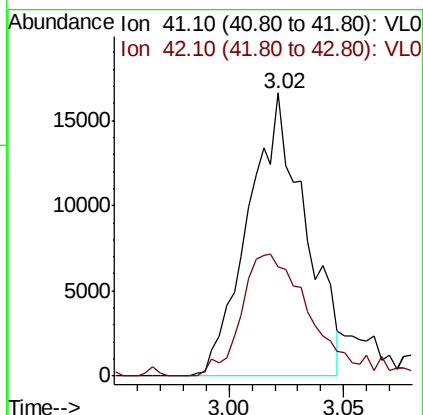
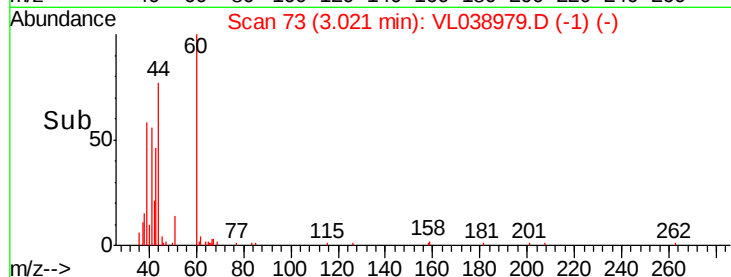
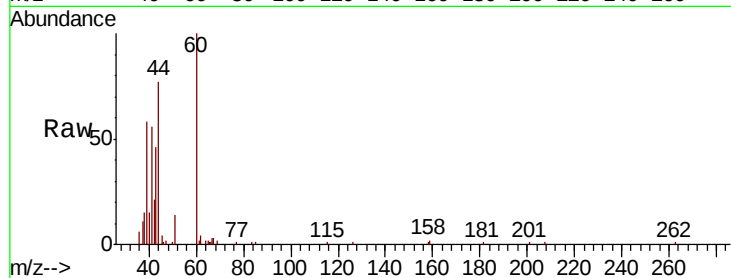
42 54.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#11

Trichlorofluoromethane

Concen: 0.190 ppbv m

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VL038979.D

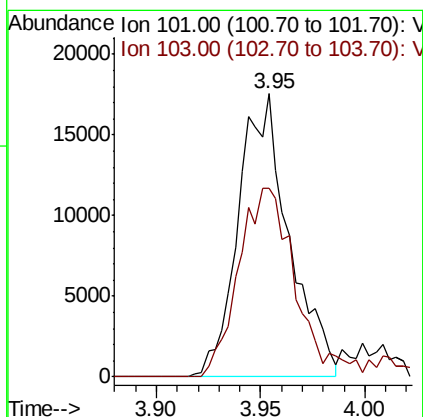
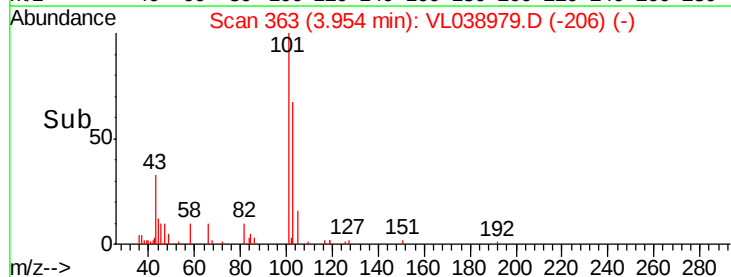
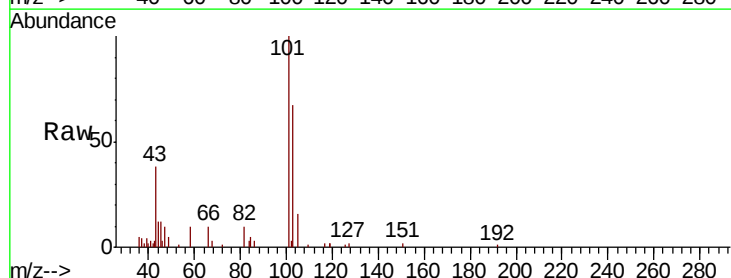
Acq: 5 May 2022 19:21

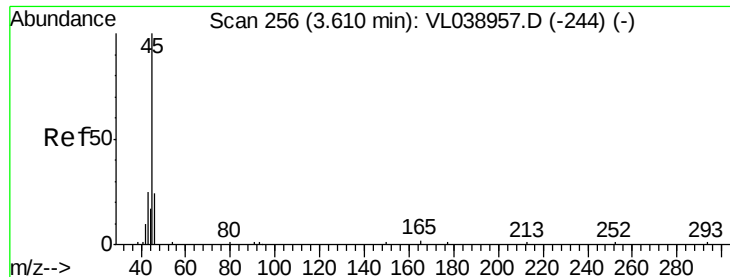
Tgt Ion:101 Resp: 29586

Ion Ratio Lower Upper

101 100

103 66.8 51.5 77.3



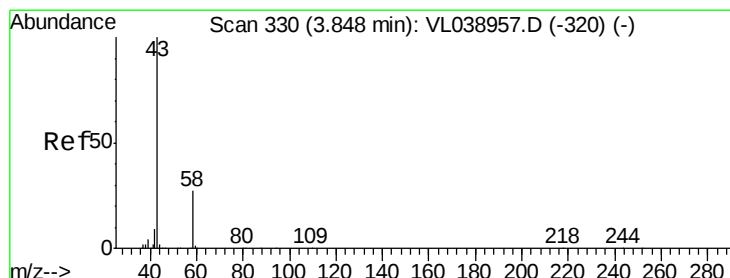
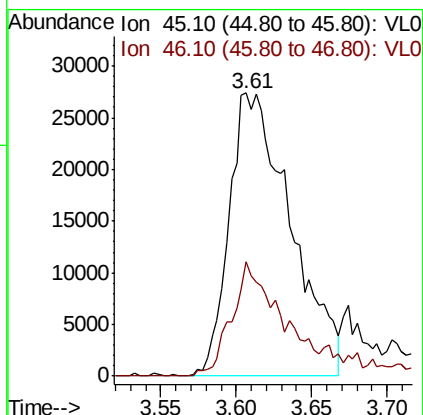
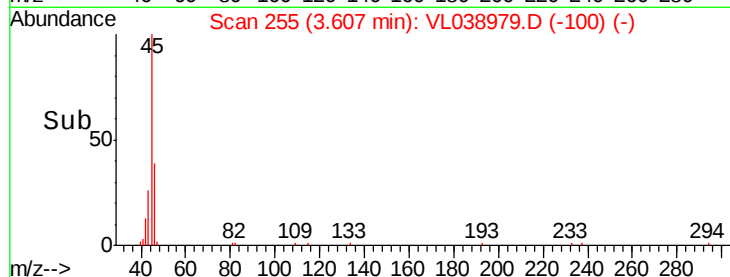
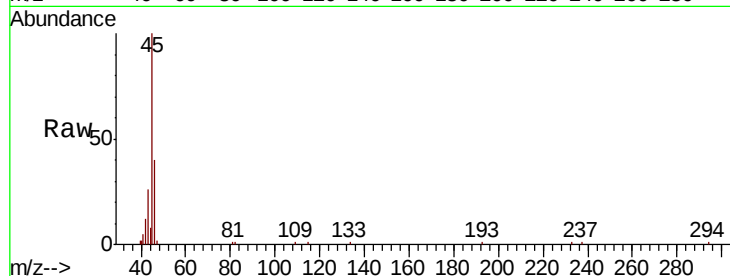


#13
Ethanol
Concen: 15.925 ppbv m
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 19:21

Tot Ion:
Ion Ratio
45 100
46 39.

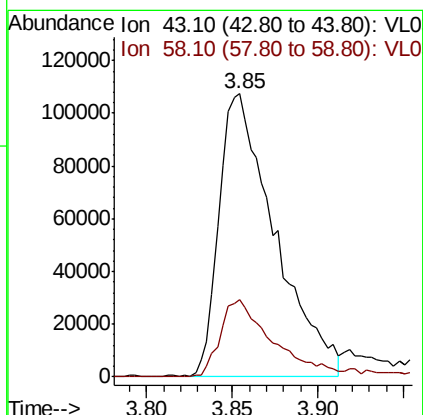
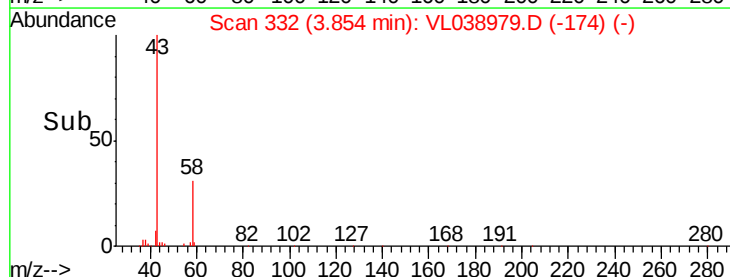
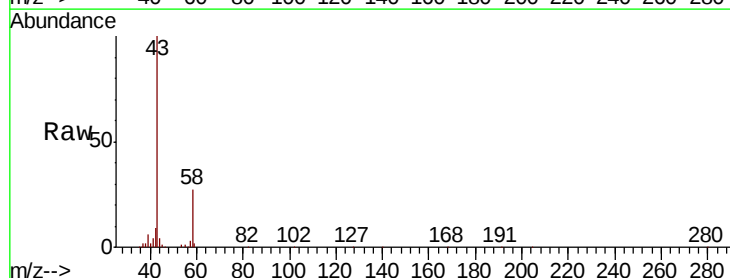
Manual Integrations
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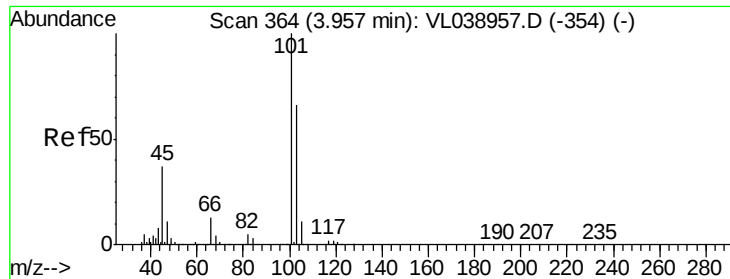
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#15
Acetone
Concen: 2.233 ppbv m
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL038979.D
Acq: 5 May 2022 19:21

Tgt Ion: 43 Resp: 243791
Ion Ratio Lower Upper
43 100
58 26.2 21.3 31.9





#19

Isopropyl Alcohol

Concen: 0.782 ppbv m

RT: 3.99 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: OA1

Acq: 5 May 2022 19:21

Tot Ion:

Ion Ratio

45 100

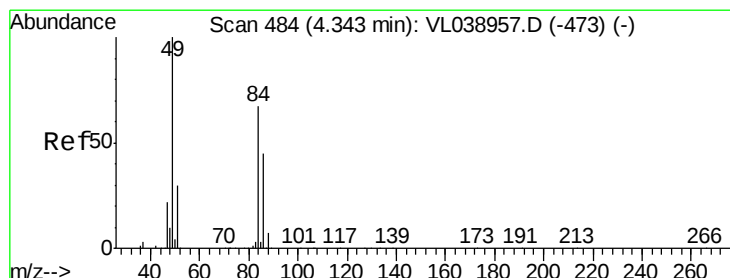
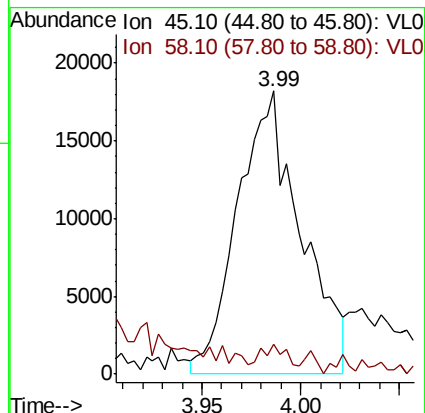
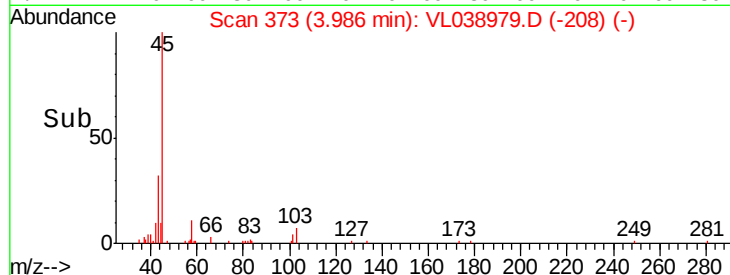
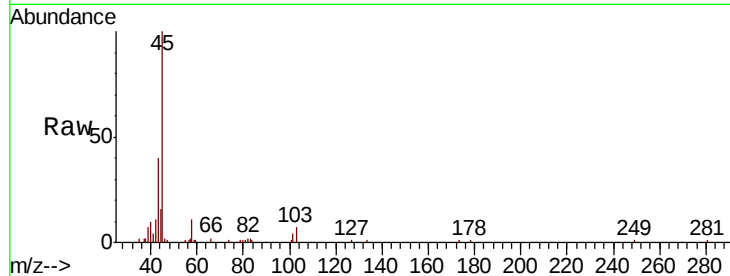
58 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#20

Methylene Chloride

Concen: 9.285 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL038979.D

Acq: 5 May 2022 19:21

Tgt Ion: 84 Resp: 382029

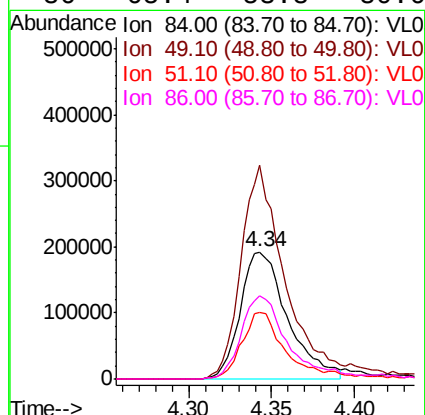
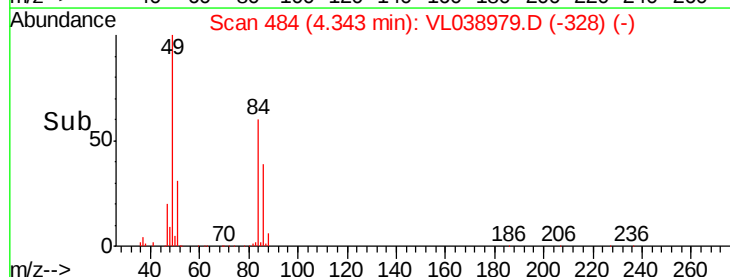
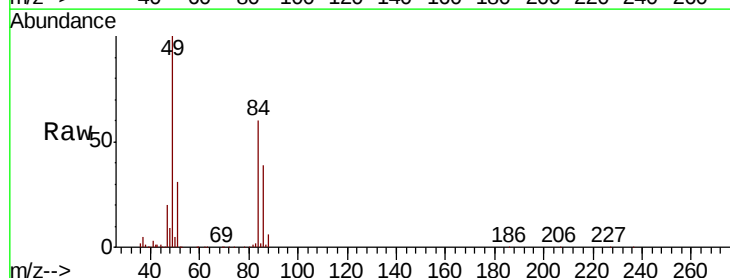
Ion Ratio Lower Upper

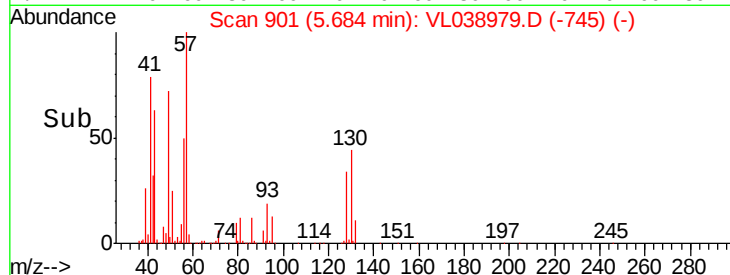
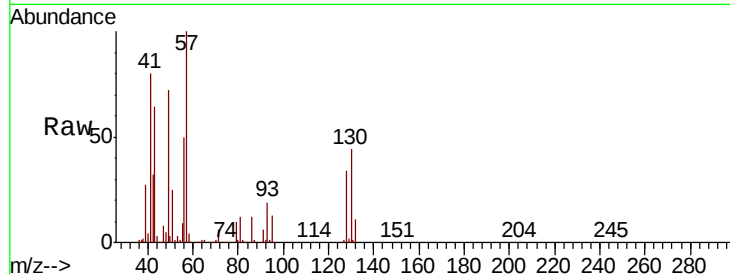
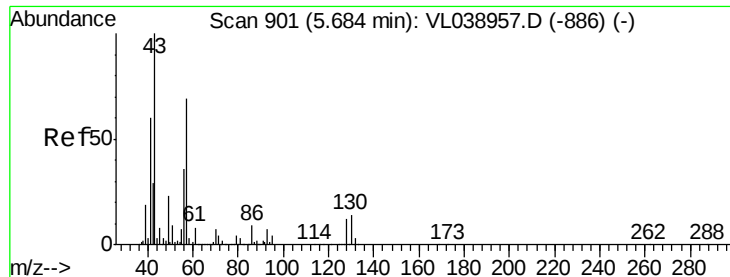
84 100

49 168.0 119.9 179.9

51 52.7 35.7 53.5

86 65.4 53.8 80.6

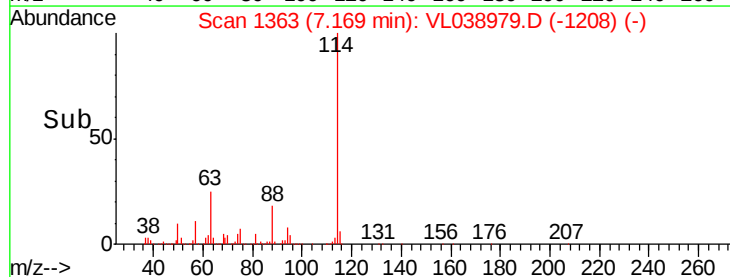
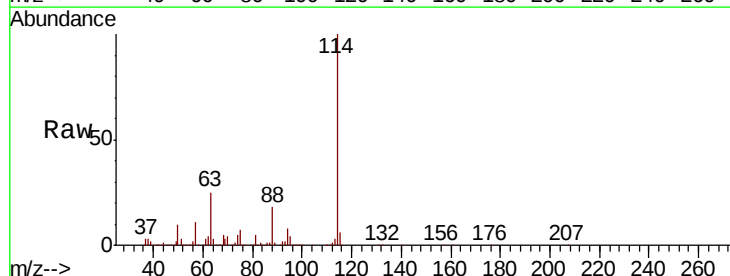
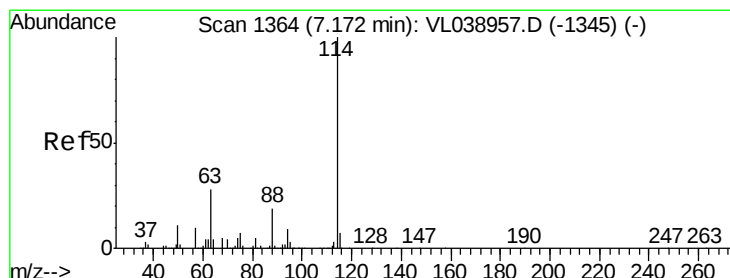
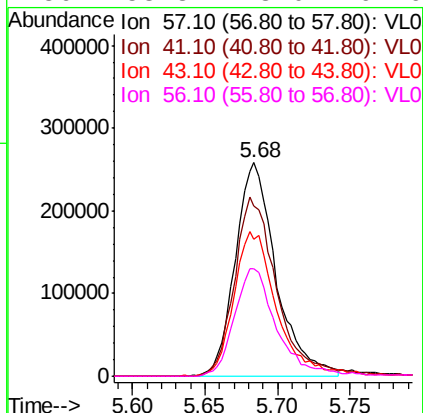




#26
Hexane
Concen: 4.361 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 19:21

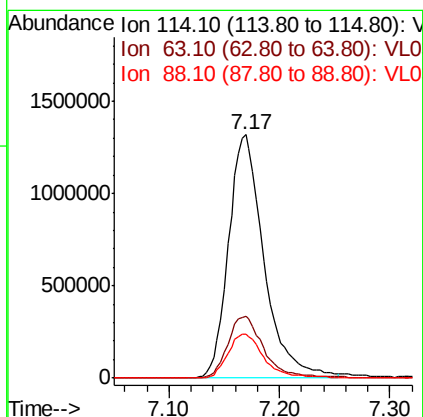
Tot Ion: Manual Integrations
Ion Ratio APPROVED
57 100
41 88.
43 72.
56 53.3 43.0 64.6

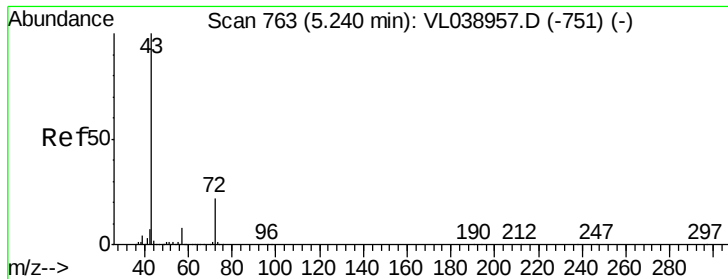
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VL038979.D
Acq: 5 May 2022 19:21

Tgt Ion:114 Resp: 2939162
Ion Ratio Lower Upper
114 100
63 26.5 22.6 33.8
88 18.8 15.4 23.0



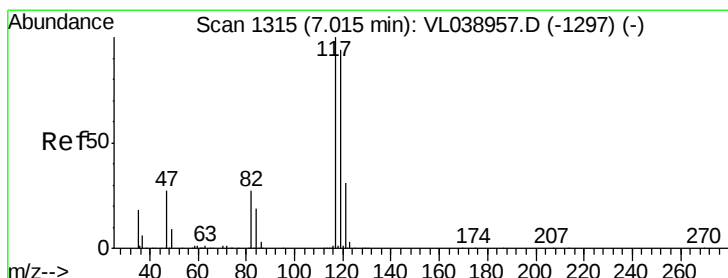
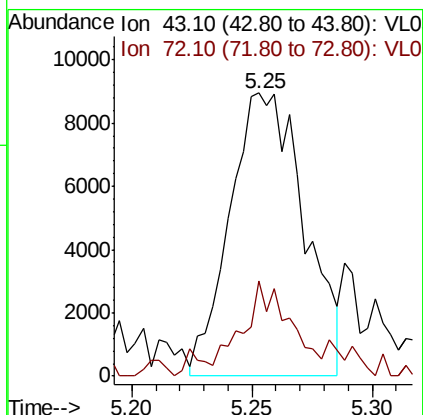
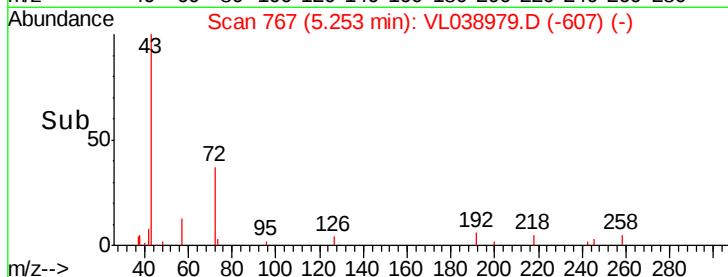
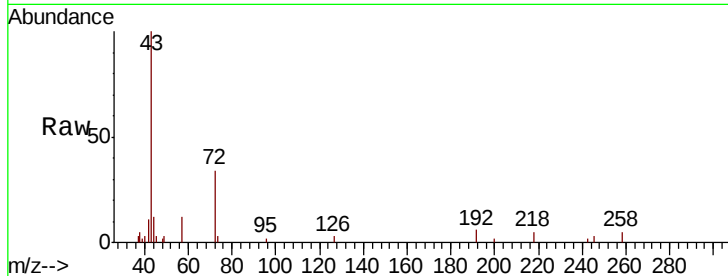


#34
2-Butanone
Concen: 0.129 ppbv m
RT: 5.25
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 19:21

Tot Ion:
Ion Ratio
43 100
72 30.

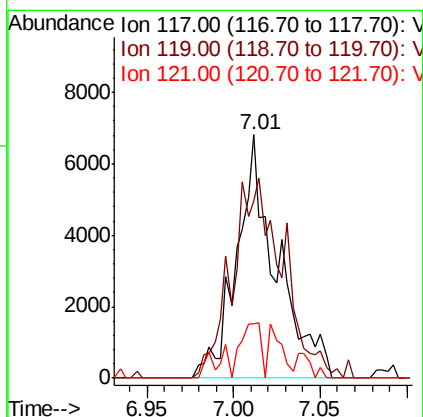
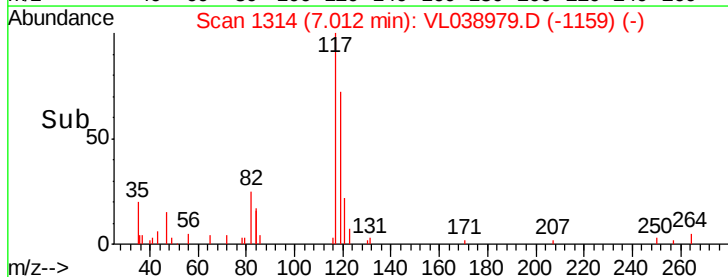
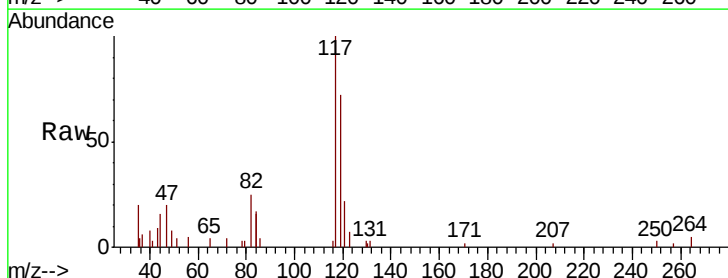
Manual Integrations
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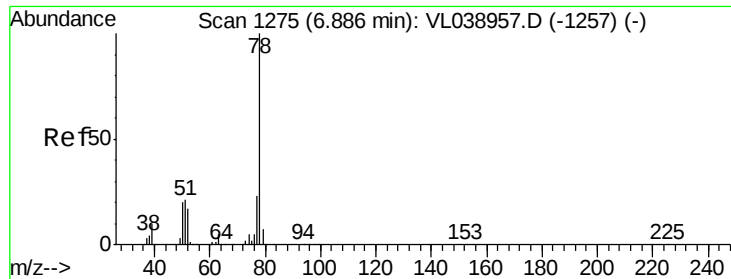
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#35
Carbon Tetrachloride
Concen: 0.056 ppbv m
RT: 7.01 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VL038979.D
Acq: 5 May 2022 19:21

Tgt Ion:117 Resp: 10891
Ion Ratio Lower Upper
117 100
119 72.5 75.2 112.8#
121 22.1 24.6 37.0#



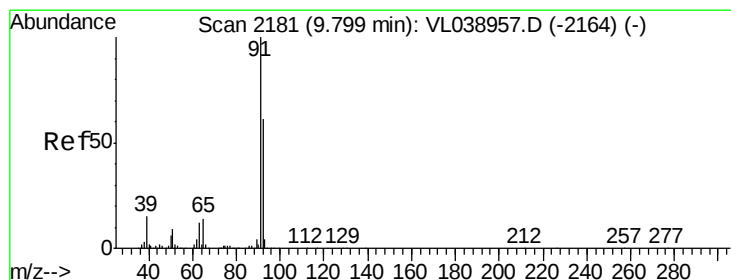
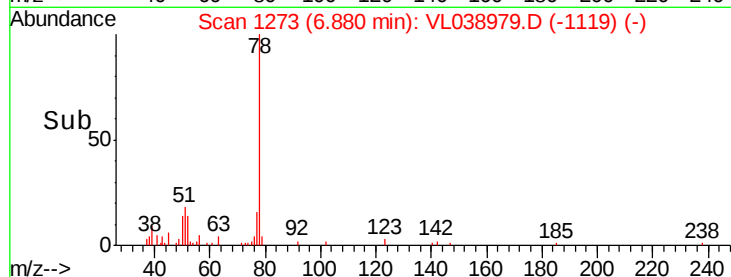
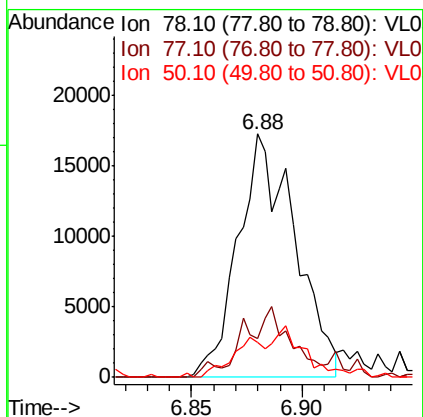
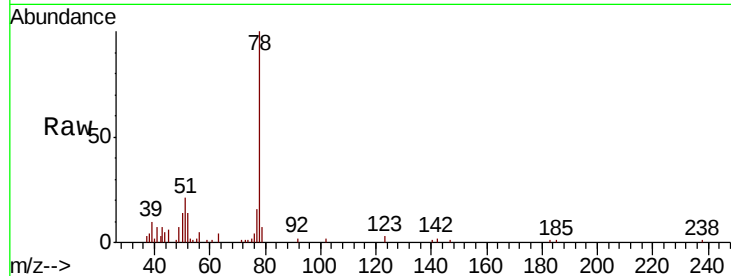


#36
Benzene
Concen: 0.123 ppbv m
RT: 6.88
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 19:21

Tot Ion:
Ion Ratio
78 100
77 15.
50 14.

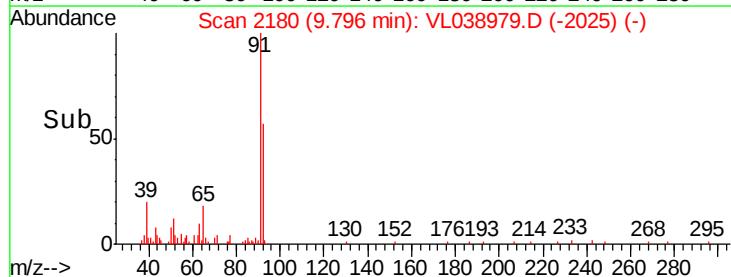
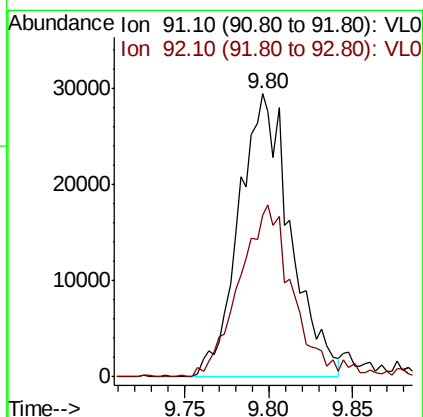
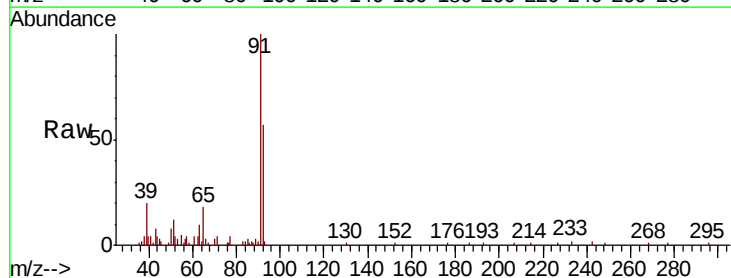
Manual Integrations
APPROVED

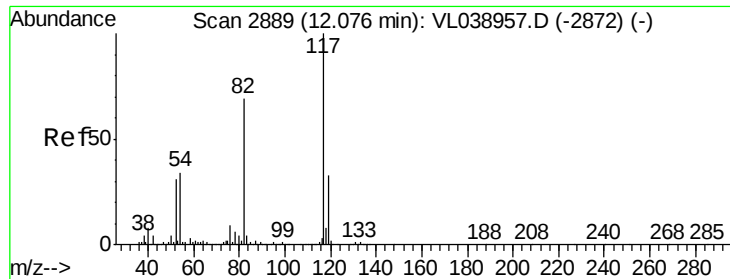
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#53
Toluene
Concen: 0.223 ppbv m
RT: 9.80 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL038979.D
Acq: 5 May 2022 19:21

Tgt Ion: 91 Resp: 62790
Ion Ratio Lower Upper
91 100
92 63.8 48.2 72.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 19:21

Tot Ion:1

Ion Rati

117 100

82 73.

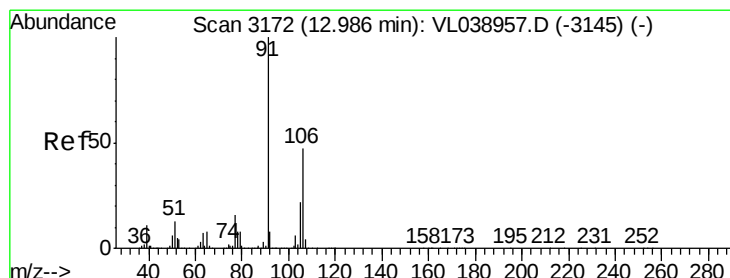
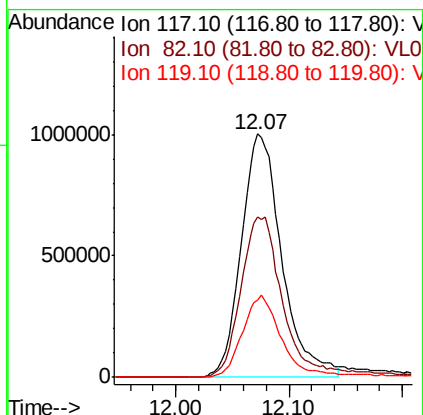
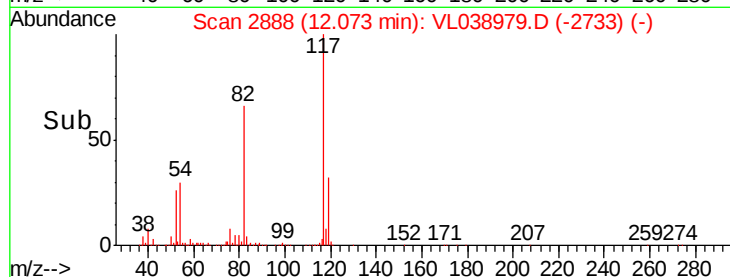
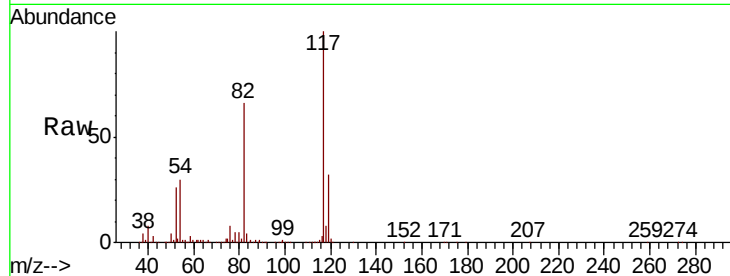
119 34.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#59

m/p-Xylene

Concen: 0.117 ppbv m

RT: 12.95 min Scan# 3162

Delta R.T. -0.03 min

Lab File: VL038979.D

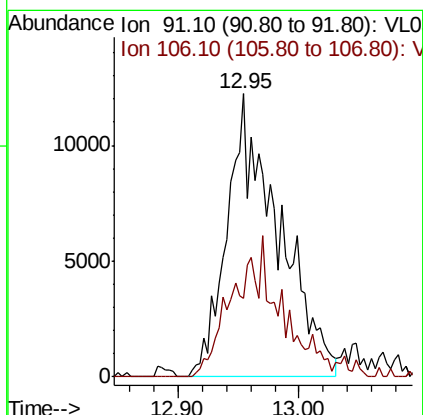
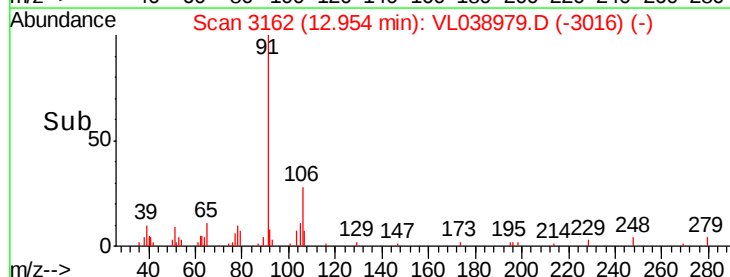
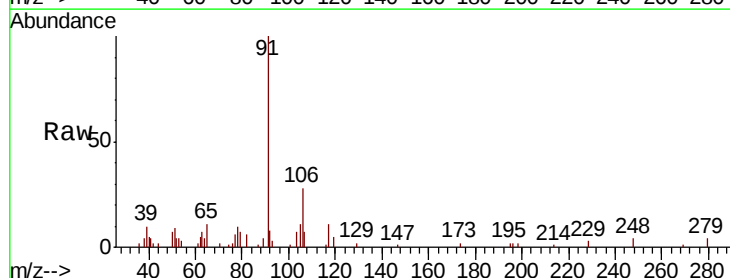
Acq: 5 May 2022 19:21

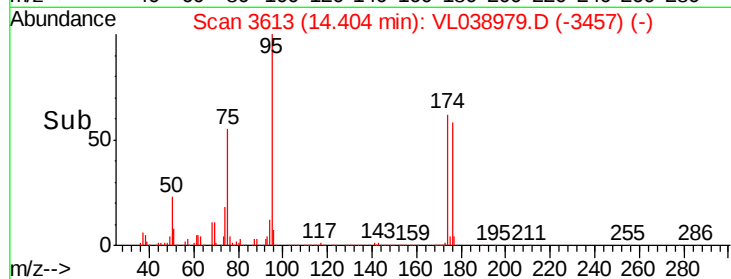
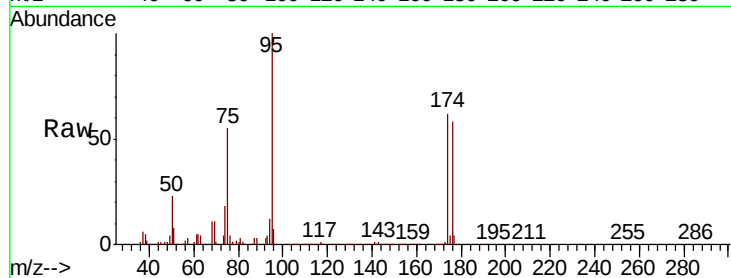
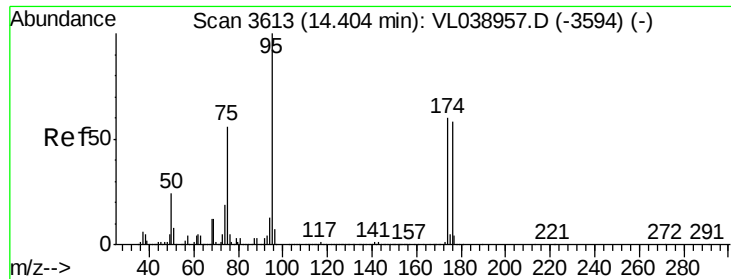
Tgt Ion: 91 Resp: 35839

Ion Ratio Lower Upper

91 100

106 0.0 34.6 52.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.172 ppbv

RT: 14.40

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 19:21

Tot Ion:

Ion Ratio

95 100

174 70.

175 5.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022

