

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030222\
 Data File : VL038484.D
 Acq On : 2 Mar 2022 16:34
 Operator : SY/AP
 Sample : N1724-01 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV-02

Manual Integrations
 APPROVED

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

Quant Time: Mar 05 16:18:40 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	5.67	49	1024188	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2437147	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	2204871	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1842705	10.10	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds

					Ovalue
4) Chloromethane	3.14	50	28541	0.454 ppbv	93
5) Vinyl Chloride	3.26	62	1901392	28.944 ppbv	100
9) Propene	3.02	41	13510901m	226.263 ppbv	
10) Heptane	8.12	43	214145	1.473 ppbv	99
13) Ethanol	3.60	45	166453	27.932 ppbv	97
15) Acetone	3.85	43	1633107	18.750 ppbv #	58
18) 1,1-Dichloroethene	4.29	96	40205	0.804 ppbv	94
19) Isopropyl Alcohol	3.97	45	152992	3.033 ppbv #	1
20) Methylene Chloride	4.34	84	33893m	0.785 ppbv	
22) trans-1,2-Dichloroethene	4.89	96	80317	1.592 ppbv	97
26) Hexane	5.69	57	454802	4.292 ppbv #	52
27) Carbon Disulfide	4.56	76	116471	0.988 ppbv	100
30) Cyclohexane	7.13	84	68690	0.793 ppbv #	82
31) cis-1,2-Dichloroethene	5.55	61	4657001	45.361 ppbv	91
34) 2-Butanone	5.25	43	392182	5.117 ppbv	99
36) Benzene	6.89	78	303580	1.415 ppbv	95
38) Trichloroethene	7.83	130	1626991	20.819 ppbv	96
41) Tetrahydrofuran	6.06	42	62328m	1.203 ppbv	
52) Tetrachloroethene	11.22	164	674478	9.470 ppbv	98
53) Toluene	9.81	91	166064	0.713 ppbv	98
58) Ethyl Benzene	12.71	91	92394	0.306 ppbv	91
59) m/p-Xylene	12.96	91	329913m	1.274 ppbv	
60) o-Xylene	13.68	91	69607	0.284 ppbv	96

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

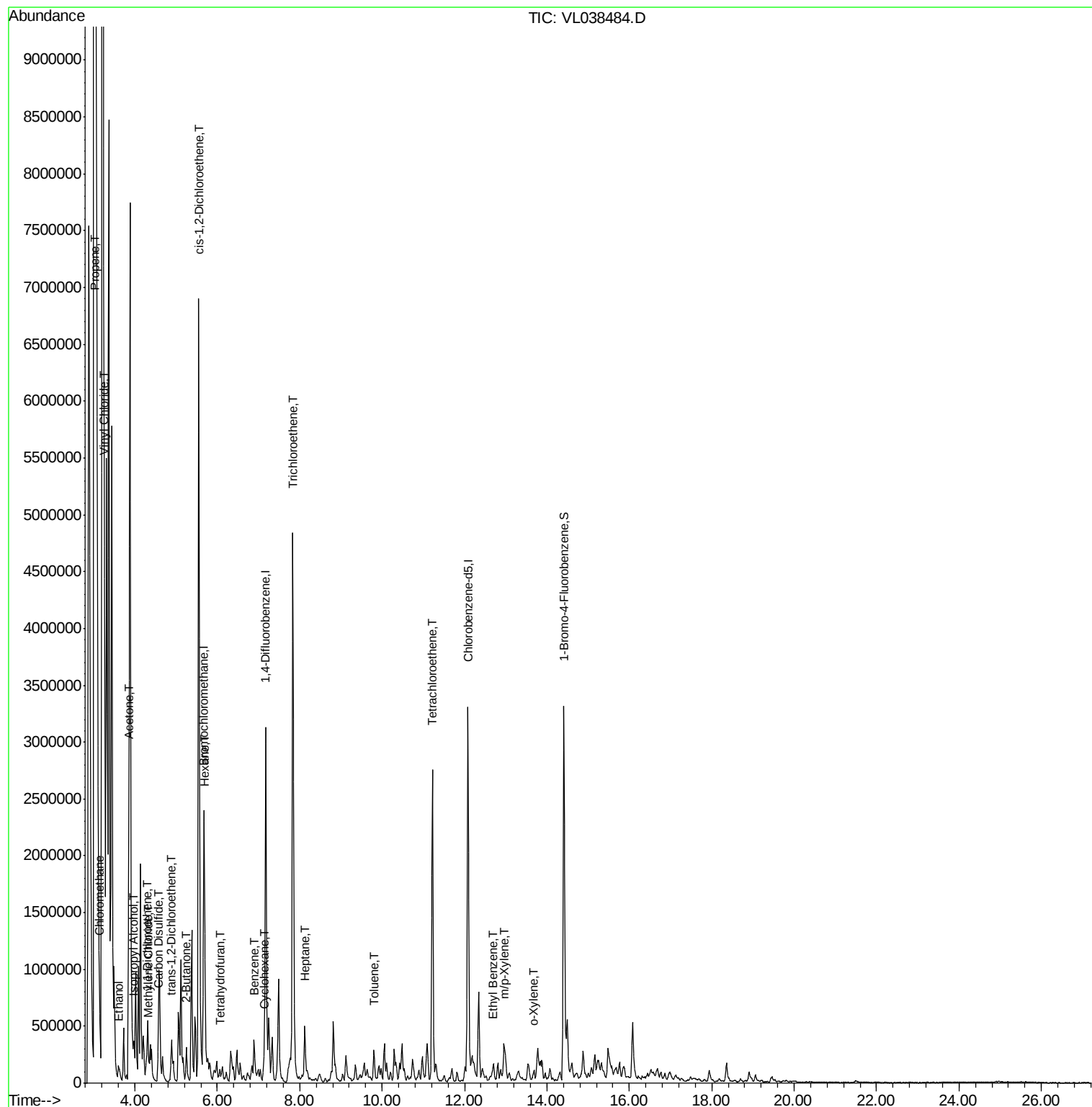
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030222\
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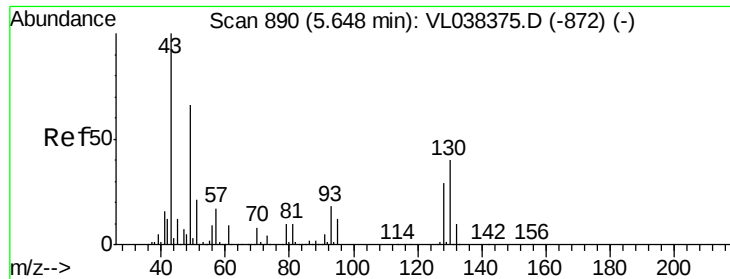
Instrument :
MSVOA_L
ClientSampleId :
SV-02

Quant Time: Mar 05 16:18:40 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022222
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 16:34 SV-02

Tot Ion:

Ion Ratio

49 100

128 46.

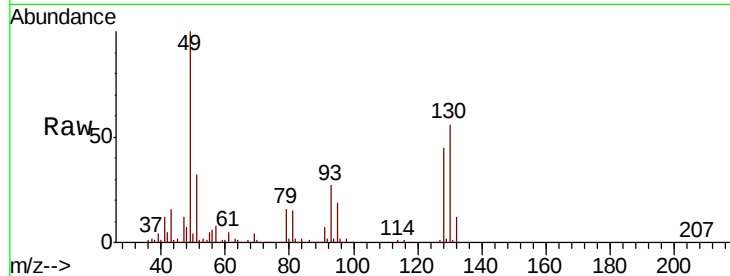
130 58.

Manual Integrations

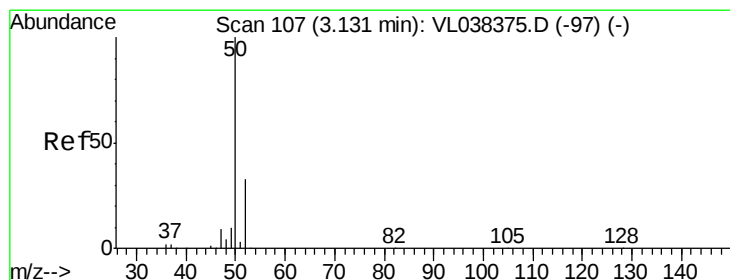
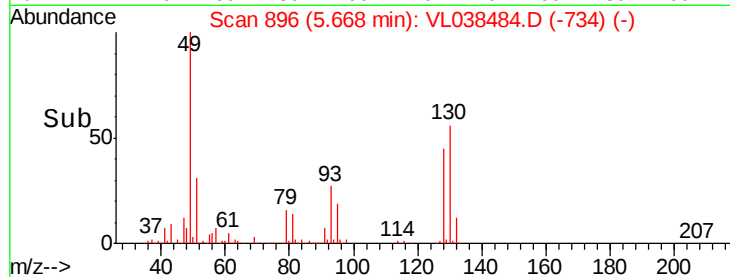
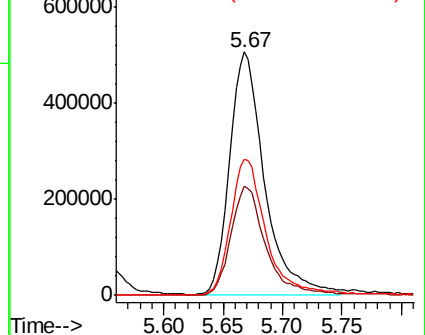
APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



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



#4

Chloromethane

Concen: 0.454 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL038484.D

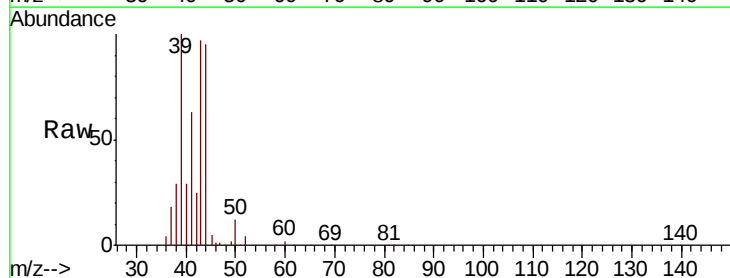
Acq: 2 Mar 2022 16:34

Tgt Ion: 50 Resp: 28541

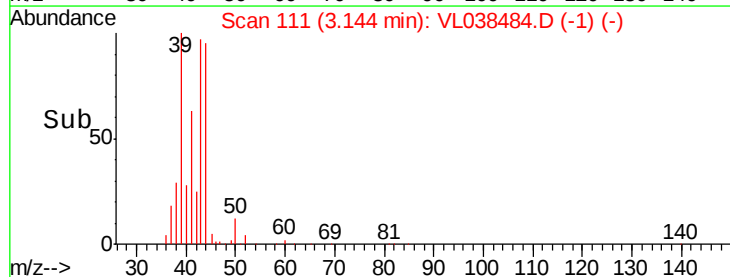
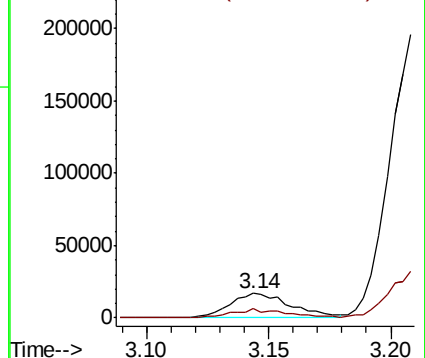
Ion Ratio Lower Upper

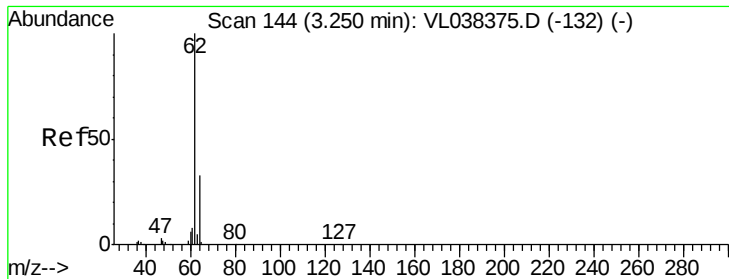
50 100

52 36.8 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 28.944 ppbv

RT: 3.26 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 16:34

Tot Ion:

Ion Ratio

62 100

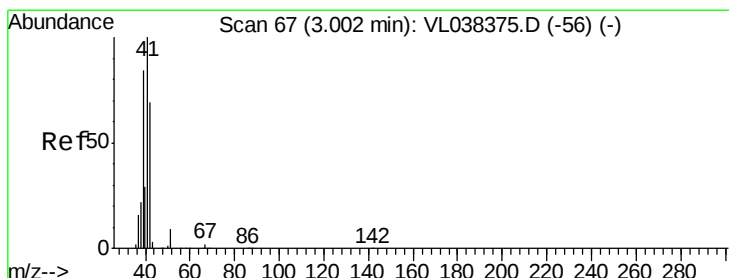
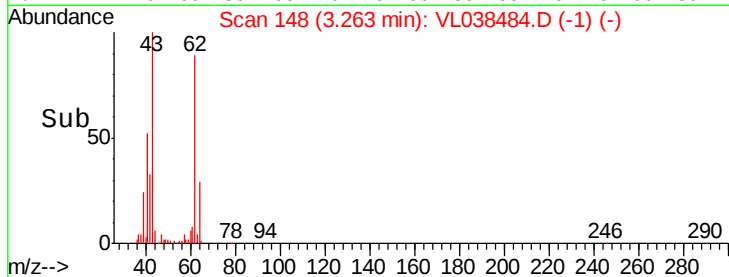
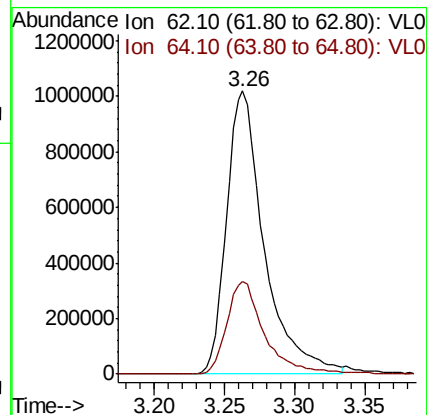
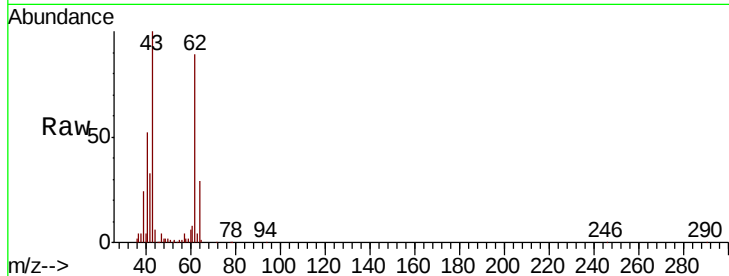
64 32.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#9

Propene

Concen: 226.263 ppbv m

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL038484.D

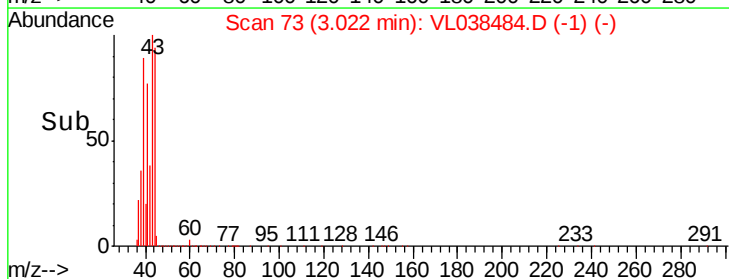
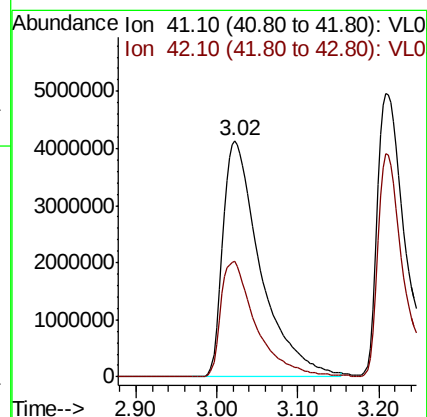
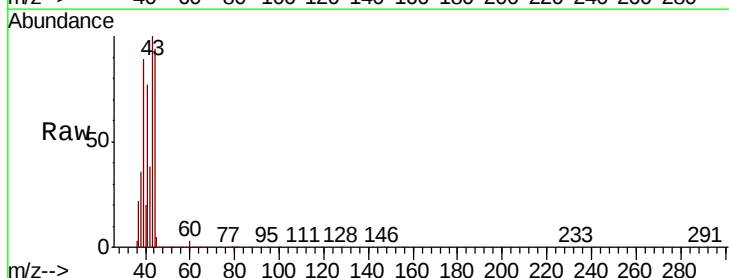
Acq: 2 Mar 2022 16:34

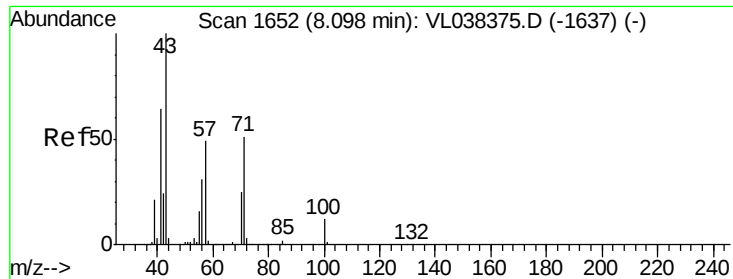
Tgt Ion: 41 Resp:13510901

Ion Ratio Lower Upper

41 100

42 67.5 54.6 82.0



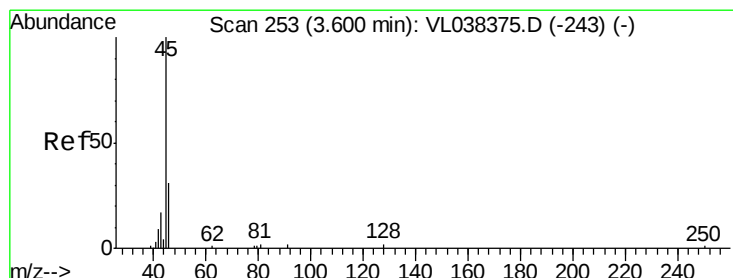
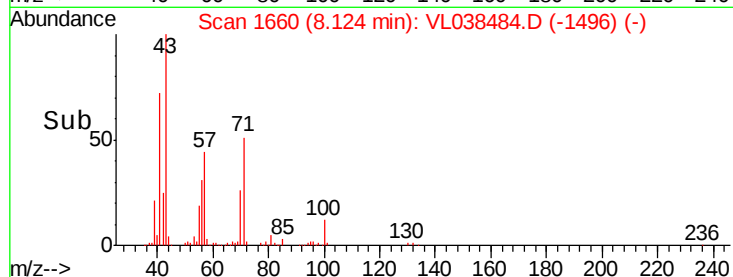
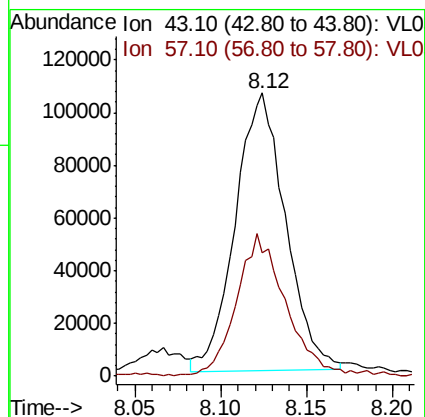
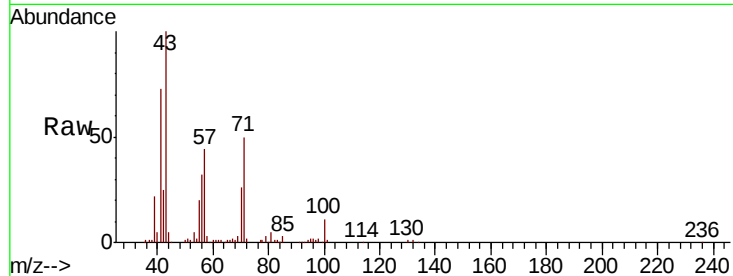


#10
 Heptane
 Concen: 1.473 ppbv
 RT: 8.12
 Instrument : MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SV-02
 Acq: 2 Mar 2022 16:34

Tot Ion:
 Ion Ratio
 43 100
 57 50.

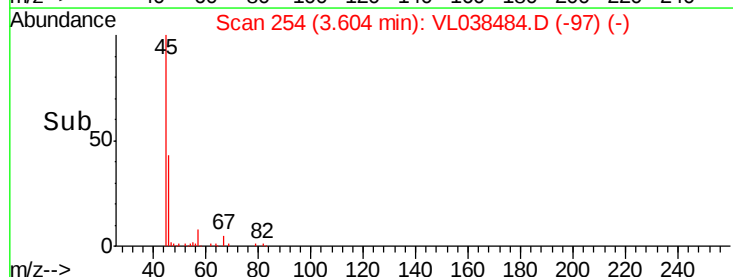
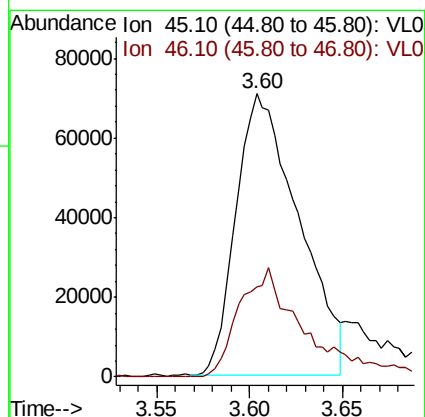
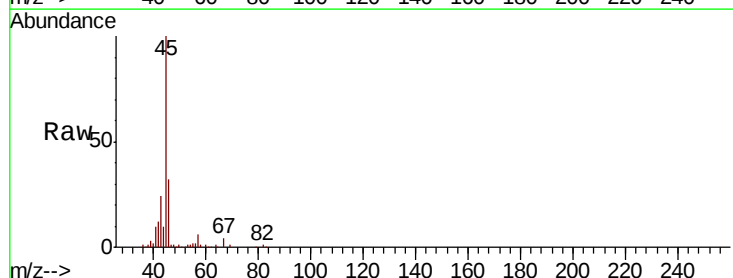
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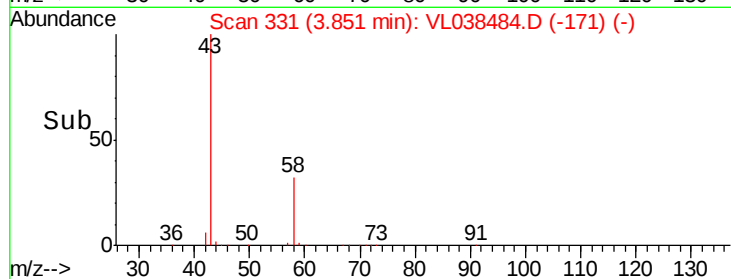
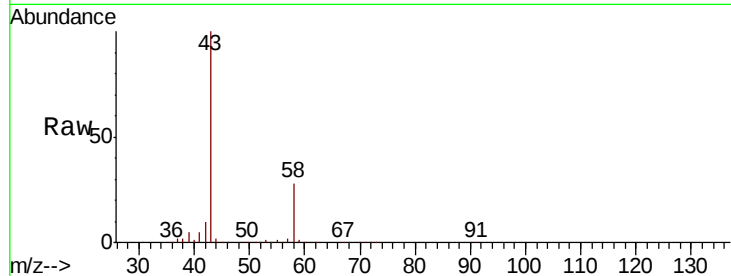
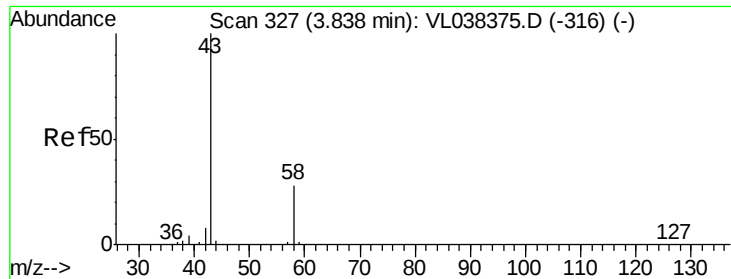
Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#13
 Ethanol
 Concen: 27.932 ppbv
 RT: 3.60 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VL038484.D
 Acq: 2 Mar 2022 16:34

Tgt Ion: 45 Resp: 166453
 Ion Ratio Lower Upper
 45 100
 46 43.6 18.2 72.8





#15

Acetone

Concen: 18.750 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 16:34

Tot Ion:

Ion Ratio

43 100

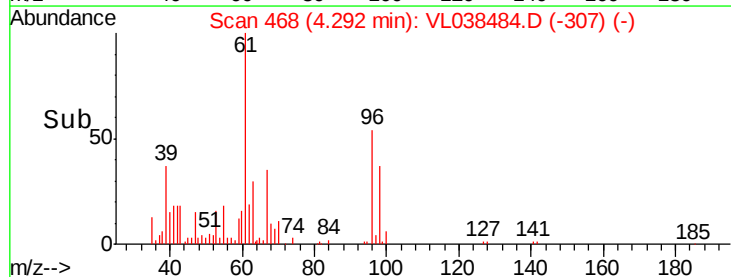
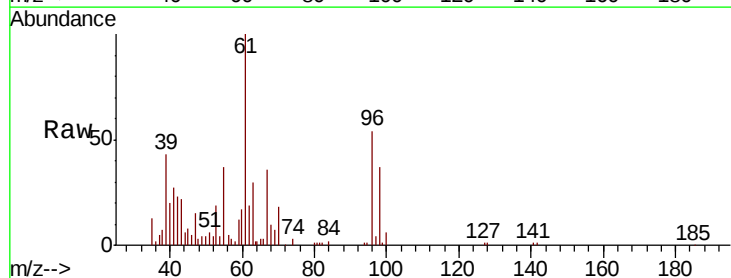
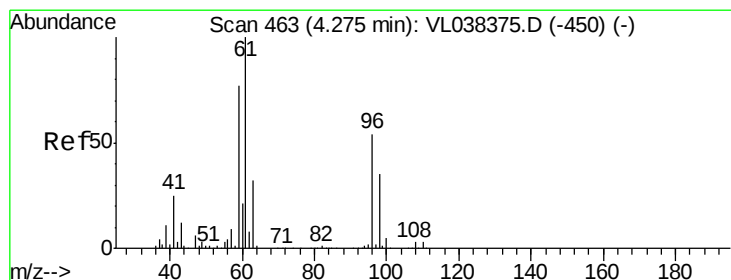
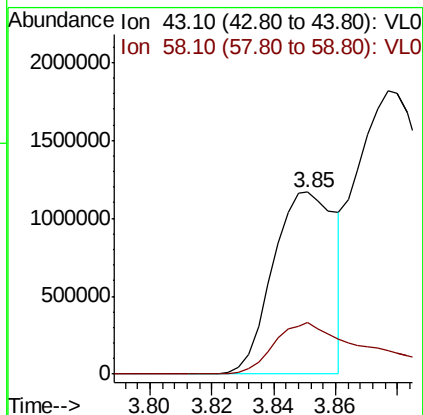
58 49.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#18

1,1-Dichloroethene

Concen: 0.804 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.02 min

Lab File: VL038484.D

Acq: 2 Mar 2022 16:34

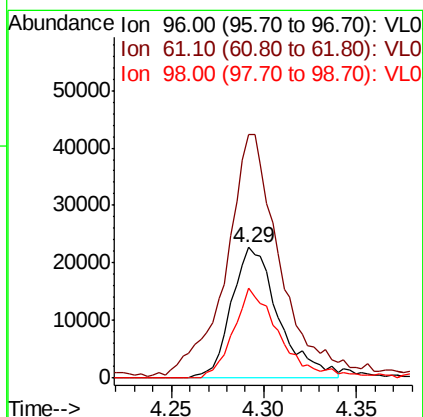
Tgt Ion: 96 Resp: 40205

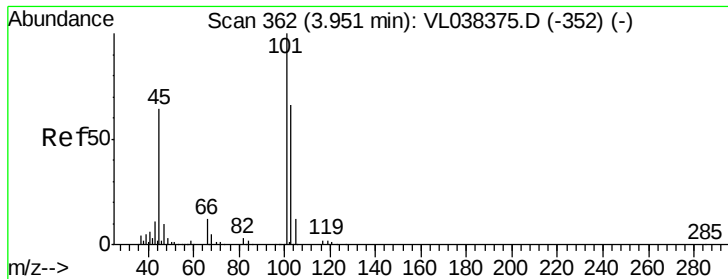
Ion Ratio Lower Upper

96 100

61 173.9 146.8 220.2

98 68.9 51.5 77.3



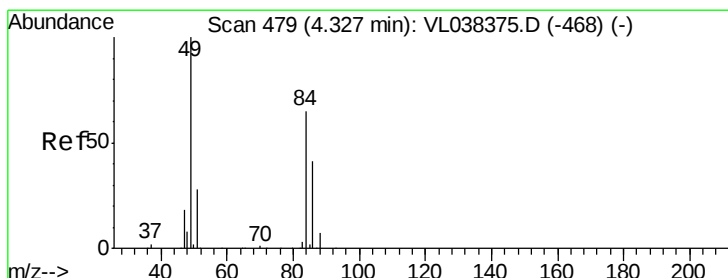
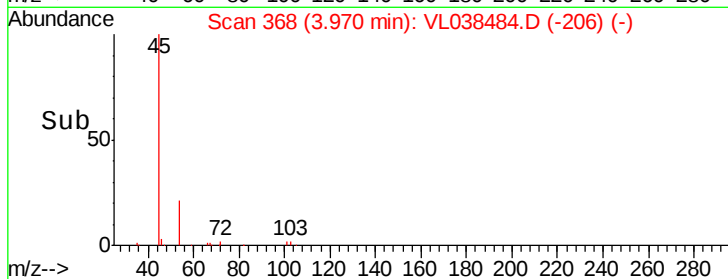
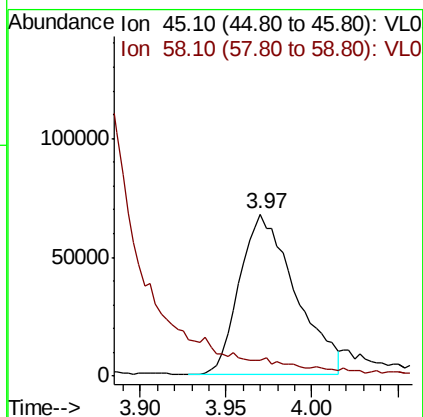
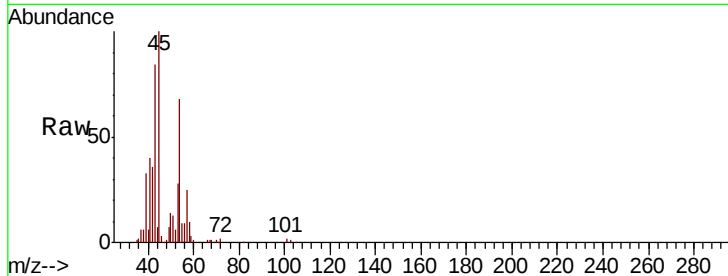


#19
Isopropyl Alcohol
Concen: 3.033 ppbv
RT: 3.97
Delta R.T. MSVOA.L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 16:34

Tot Ion:
Ion Ratio
45 100
58 522.

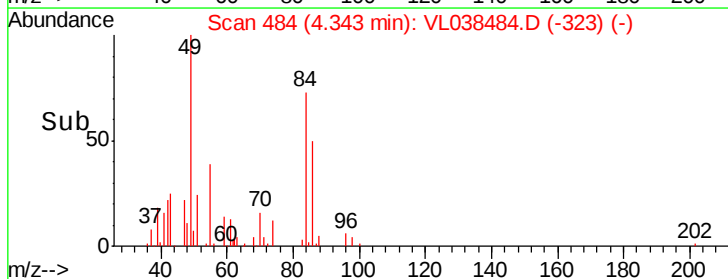
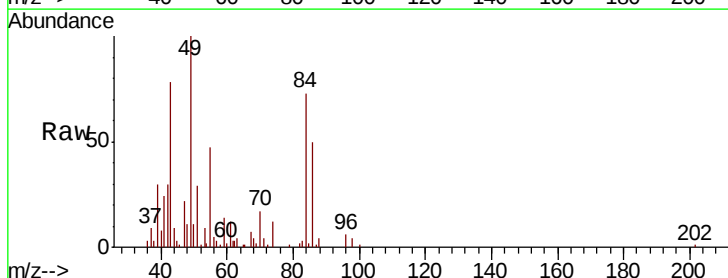
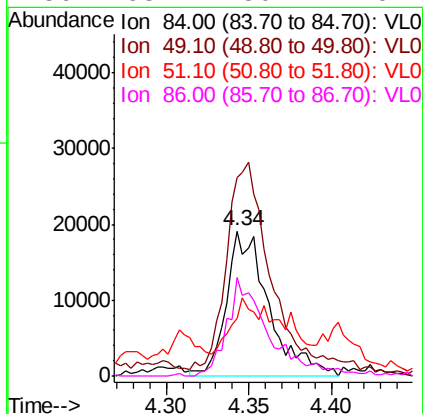
Manual Integrations
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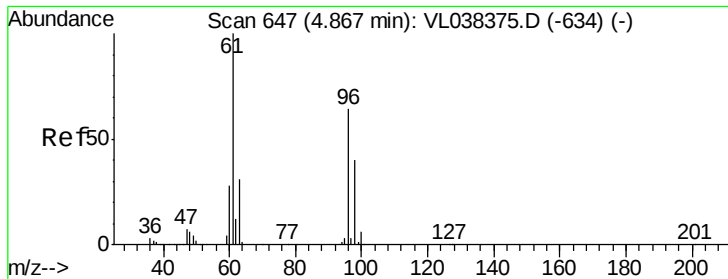
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#20
Methylene Chloride
Concen: 0.785 ppbv m
RT: 4.34 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 84 Resp: 33893
Ion Ratio Lower Upper
84 100
49 137.3 122.4 183.6
51 40.3 33.3 49.9
86 68.1 50.7 76.1





#22

trans-1,2-Dichloroethene

Concen: 1.592 ppbv

RT: 4.89 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 16:34 SV-02

Tot Ion:

Ion Ratio

96 100

61 158.

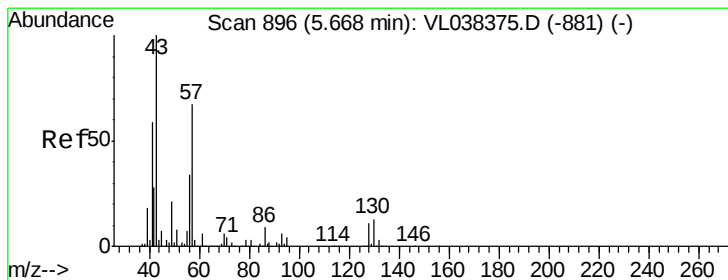
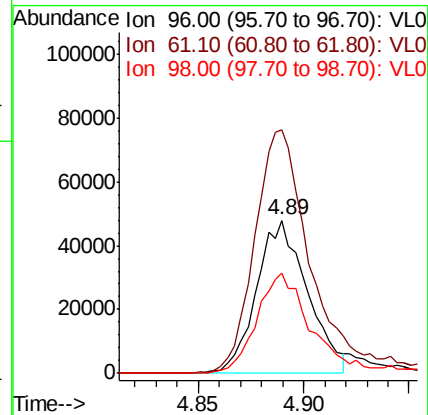
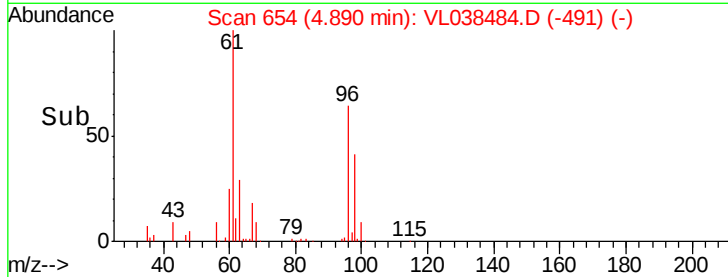
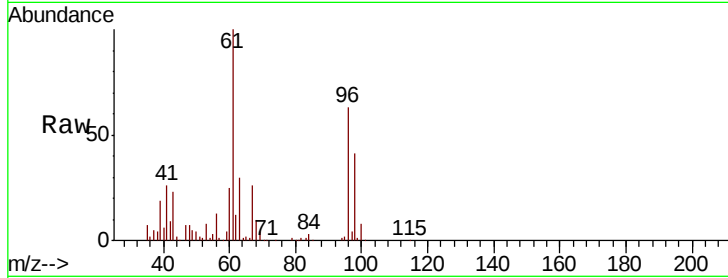
98 65.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#26

Hexane

Concen: 4.292 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.02 min

Lab File: VL038484.D

Acq: 2 Mar 2022 16:34

Tgt Ion: 57 Resp: 454802

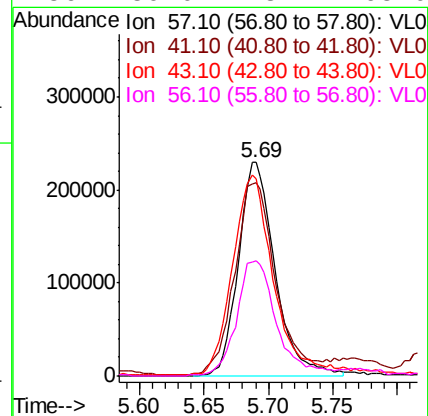
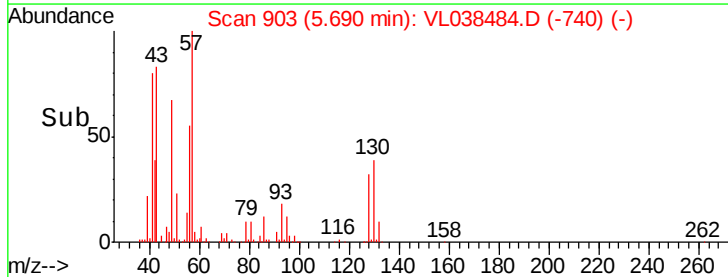
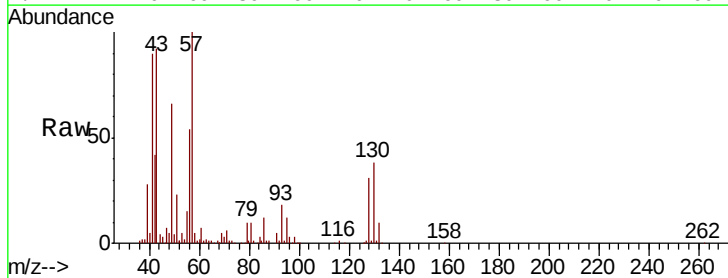
Ion Ratio Lower Upper

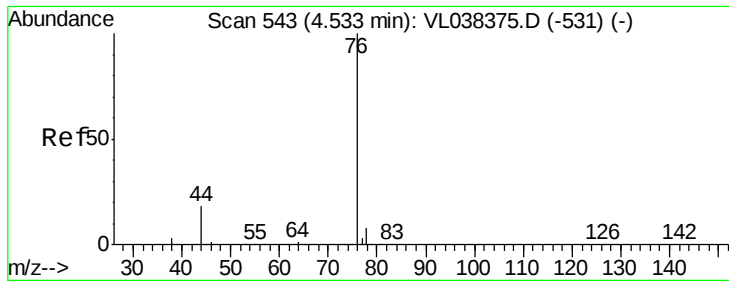
57 100

41 103.5 73.1 109.7

43 108.6 181.0 271.4#

56 59.0 43.4 65.0





#27

Carbon Disulfide

Concen: 0.988 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 16:34 SV-02

Tot Ion:

Ion Ratio

76 100

44 17.

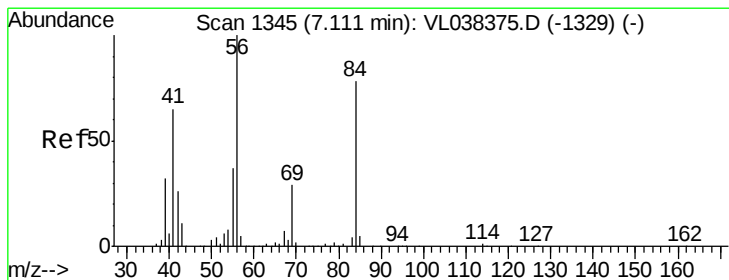
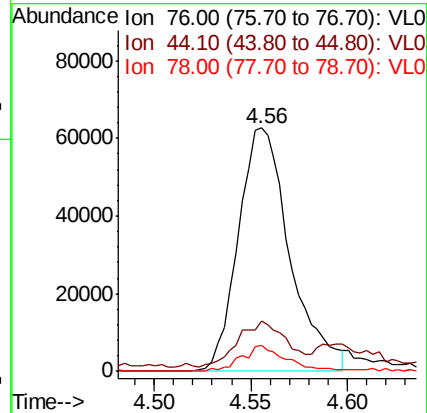
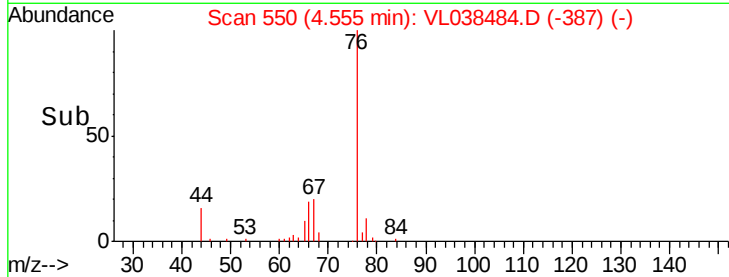
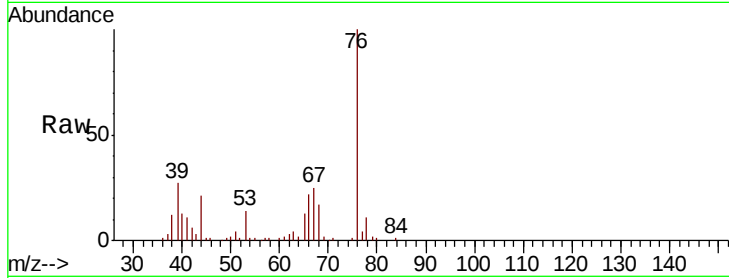
78 9.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#30

Cyclohexane

Concen: 0.793 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.02 min

Lab File: VL038484.D

Acq: 2 Mar 2022 16:34

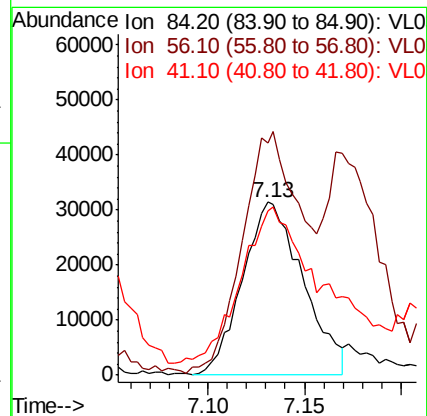
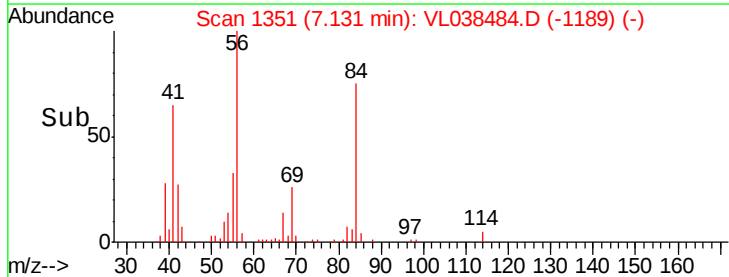
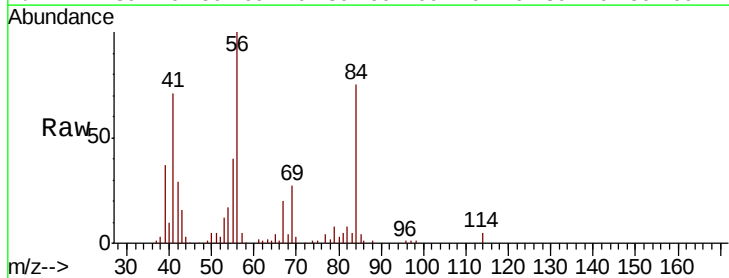
Tgt Ion: 84 Resp: 68690

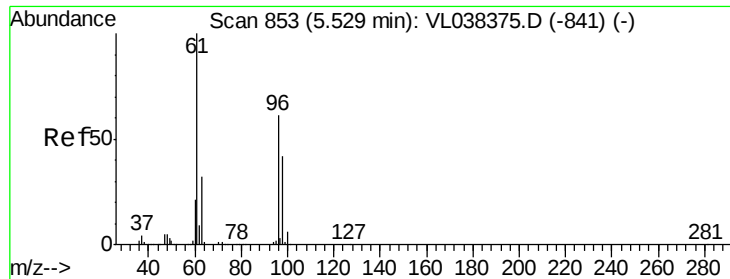
Ion Ratio Lower Upper

84 100

56 136.3 116.2 174.4

41 127.0 74.3 111.5#



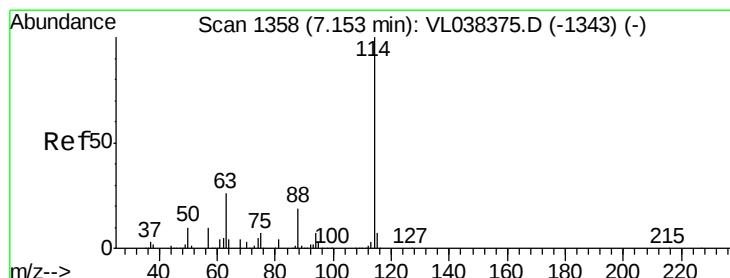
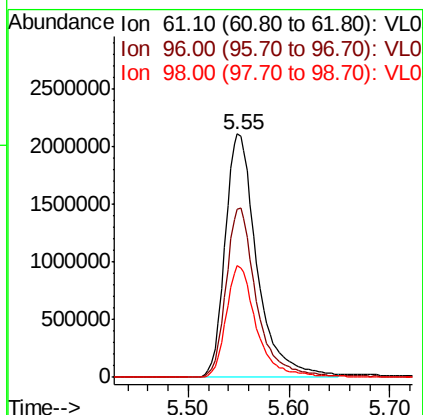
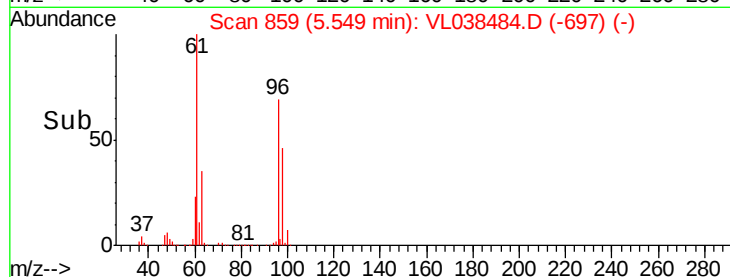
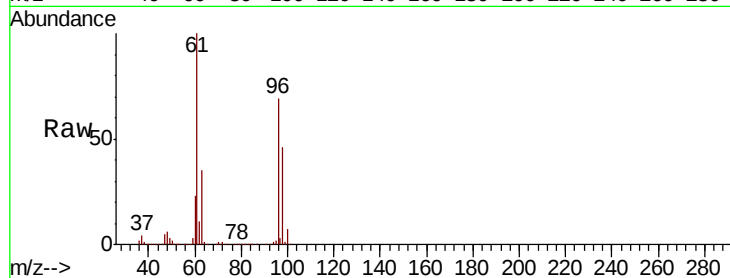


#31
 cis-1,2-Dichloroethene
 Concen: 45.361 ppbv
 RT: 5.55
 Instrument : MSVOA_1
 Delta R.T. :
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 16:34

Tot Ion:
 Ion Ratio
 61 100
 96 69.
 98 46.

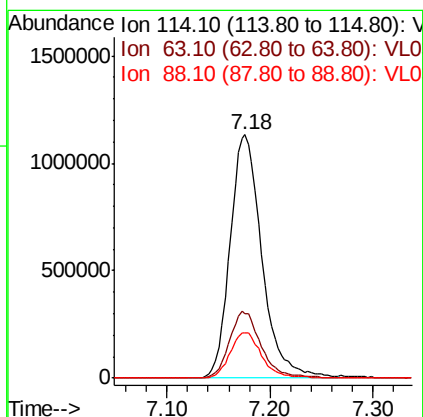
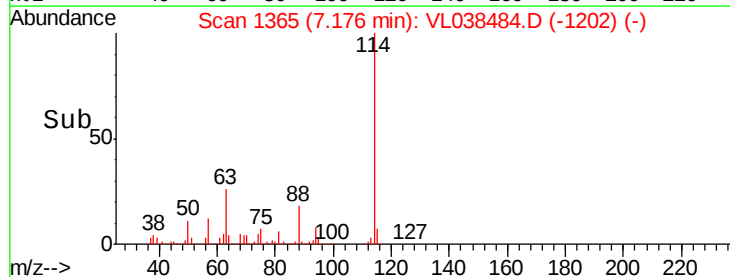
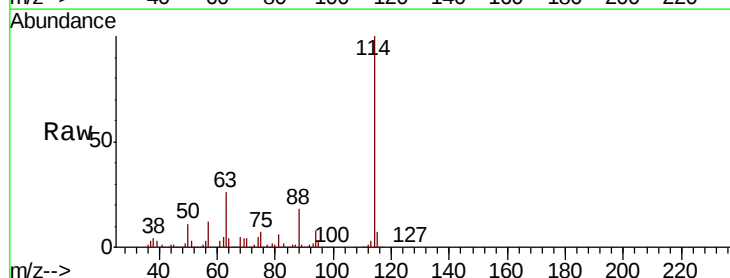
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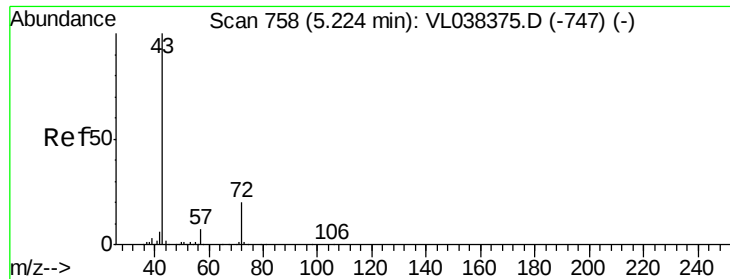
Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.02 min
 Lab File: VL038484.D
 Acq: 2 Mar 2022 16:34

Tgt Ion:114 Resp: 2437147
 Ion Ratio Lower Upper
 114 100
 63 27.5 22.2 33.2
 88 18.8 15.2 22.8





#34

2-Butanone

Concen: 5.117 ppbv

RT: 5.25 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 16:34 SV-02

Tot Ion:

Ion Ratio

43 100

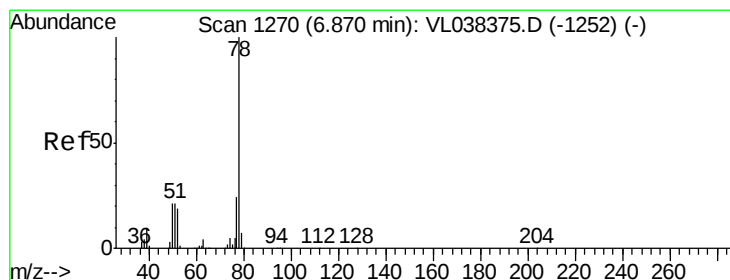
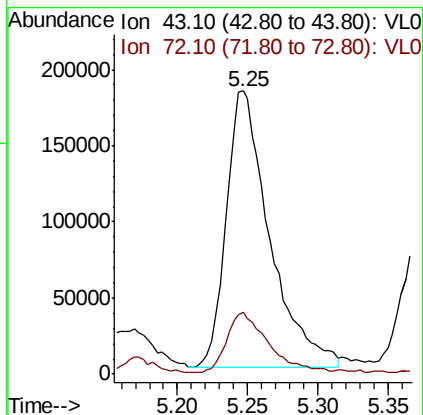
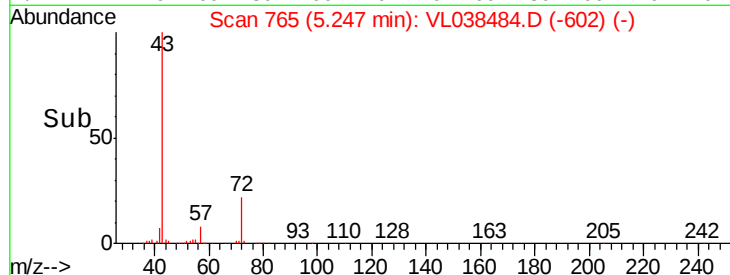
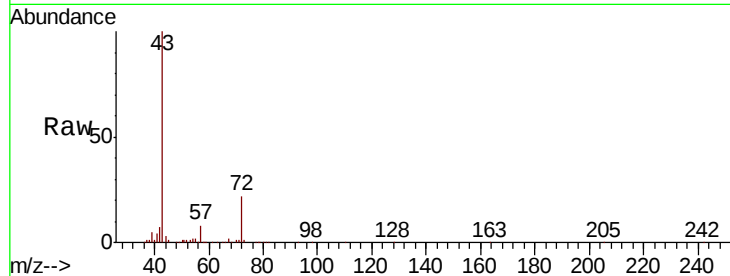
72 22.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#36

Benzene

Concen: 1.415 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.02 min

Lab File: VL038484.D

Acq: 2 Mar 2022 16:34

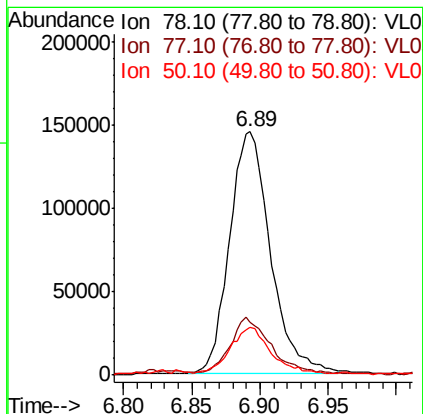
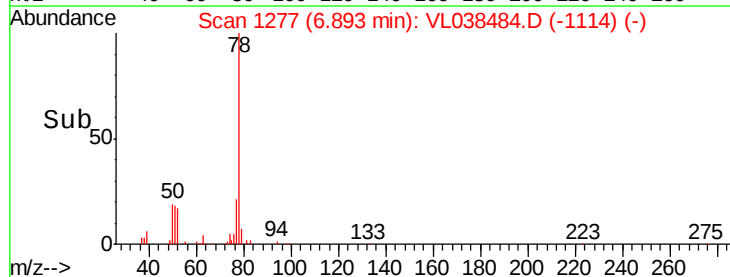
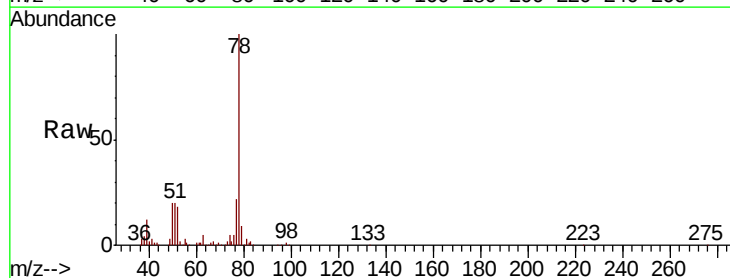
Tgt Ion: 78 Resp: 303580

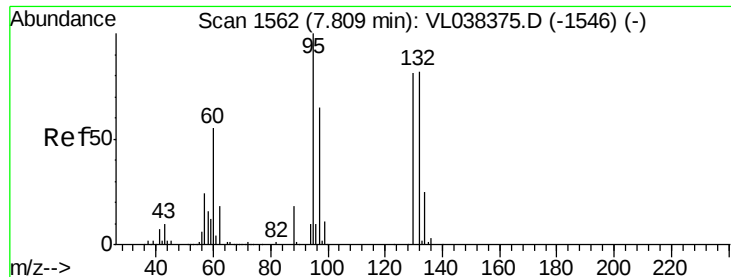
Ion Ratio Lower Upper

78 100

77 20.7 19.0 28.6

50 19.1 16.6 24.8



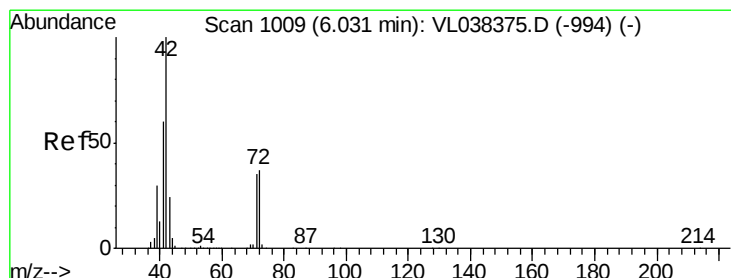
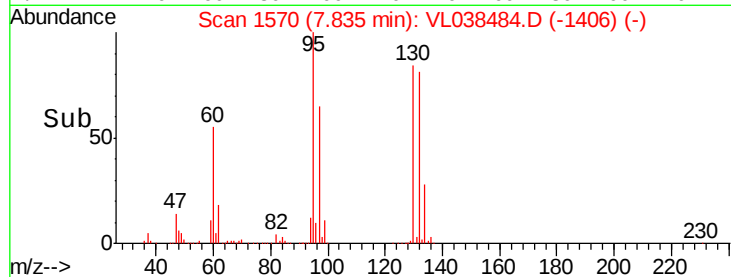
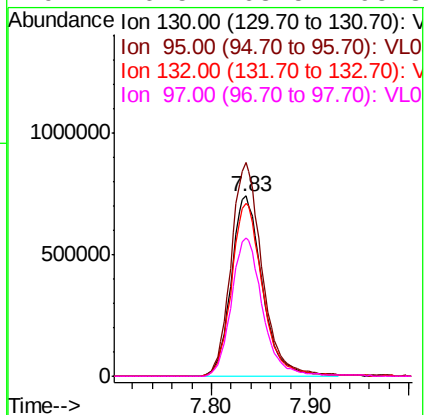
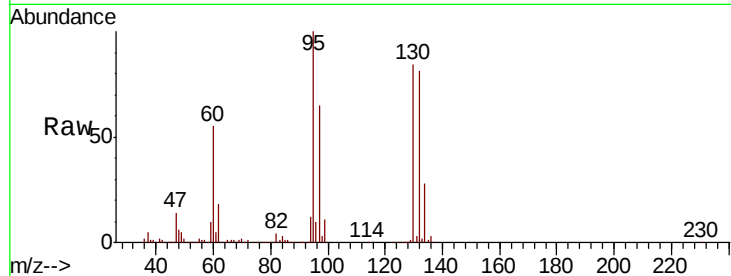


#38
 Trichloroethene
 Concen: 20.819 ppbv
 RT: 7.83
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 16:34

Tot Ion: 1
 Ion Ratio
 130 100
 95 118.
 132 95.
 97 76.5 63.5 95.3

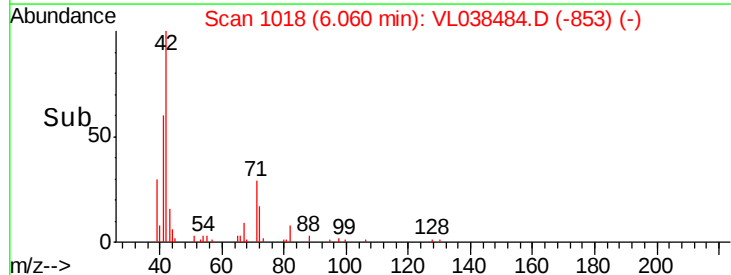
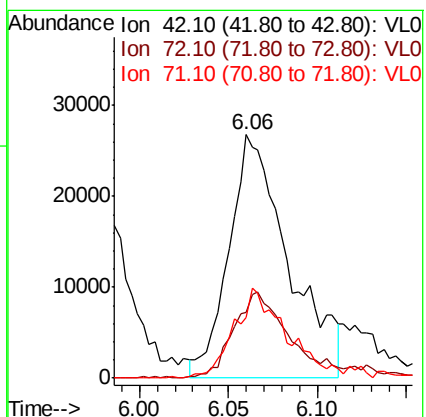
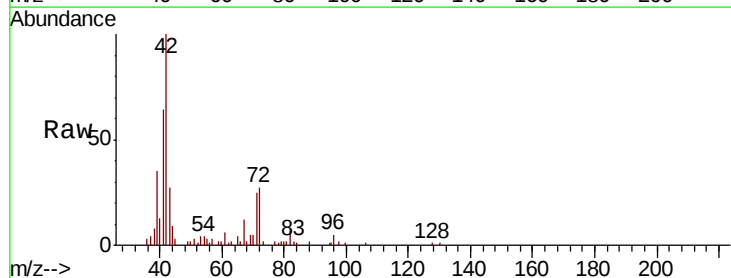
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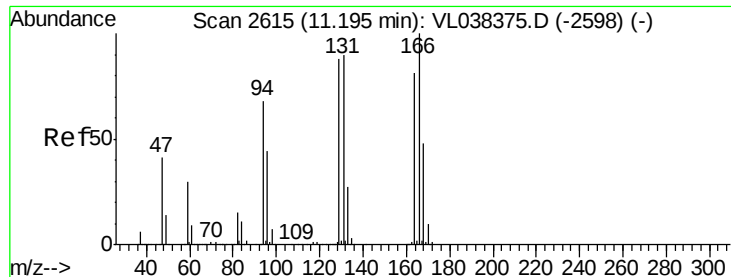
Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#41
 Tetrahydrofuran
 Concen: 1.203 ppbv m
 RT: 6.06 min Scan# 1018
 Delta R.T. 0.03 min
 Lab File: VL038484.D
 Acq: 2 Mar 2022 16:34

Tgt Ion: 42 Resp: 62328
 Ion Ratio Lower Upper
 42 100
 72 0.0 29.9 44.9#
 71 0.0 28.6 42.8#



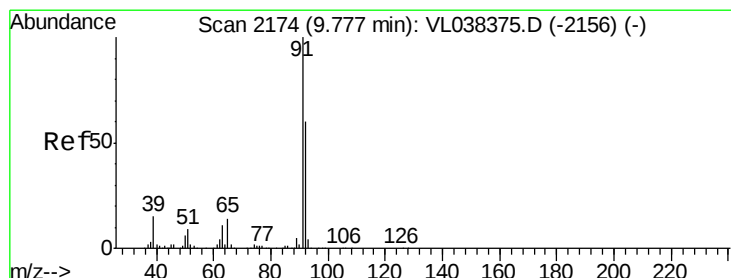
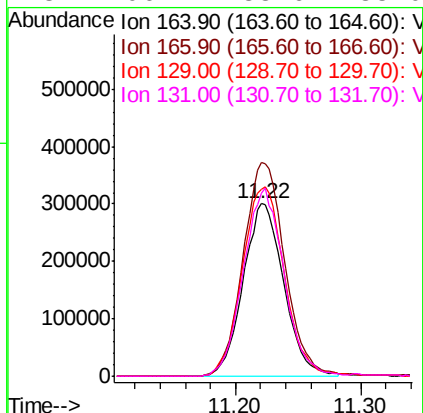
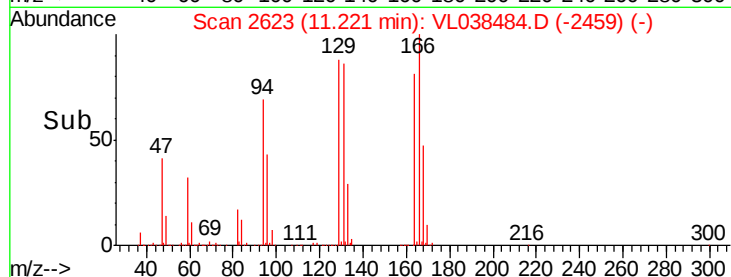
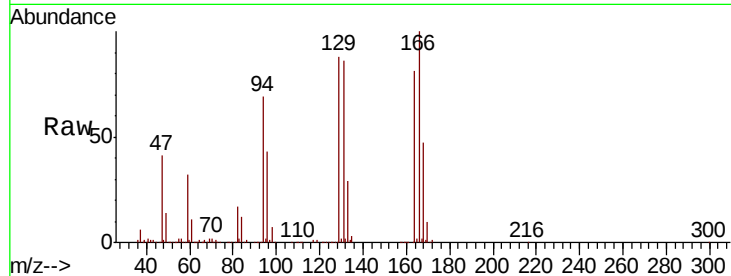


#52
Tetrachloroethene
Concen: 9.470 ppbv
RT: 11.22
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 16:34

Tot Ion: 1
Ion Ratio
164 100
166 123.
129 108.
131 106.2 88.6 133.0

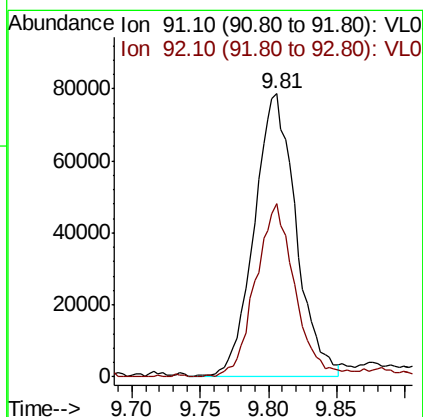
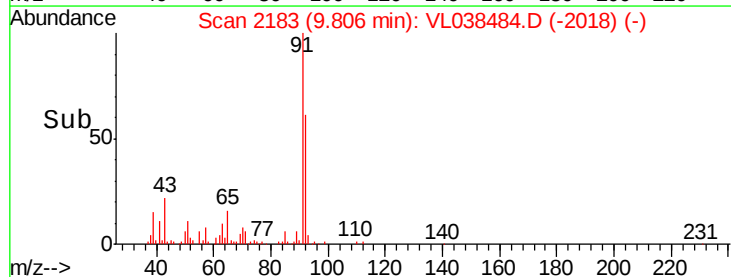
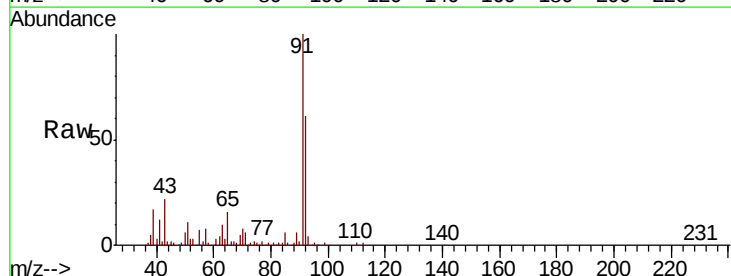
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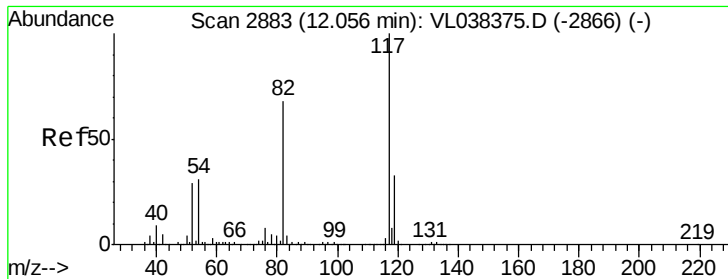
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#53
Toluene
Concen: 0.713 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. 0.03 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 91 Resp: 166064
Ion Ratio Lower Upper
91 100
92 58.5 48.2 72.4



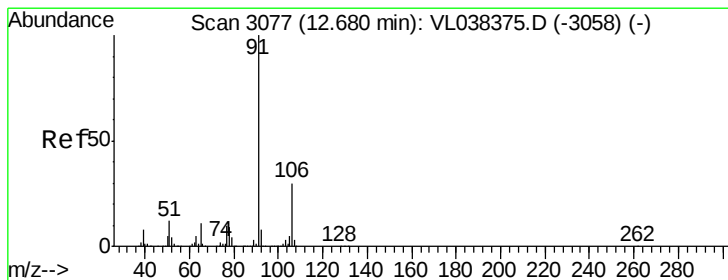
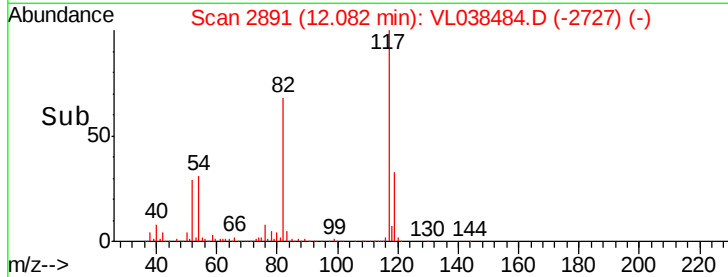
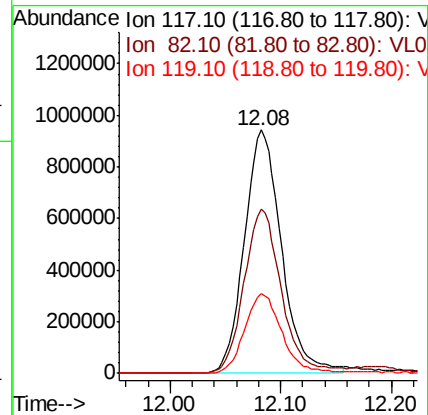
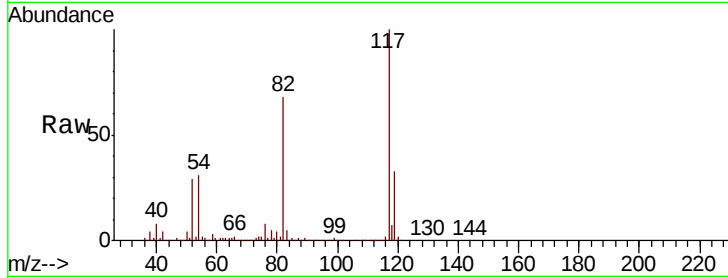


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 2 Mar 2022 16:34

Tot Ion: 1
Ion Ratio
117 100
82 67.
119 33.

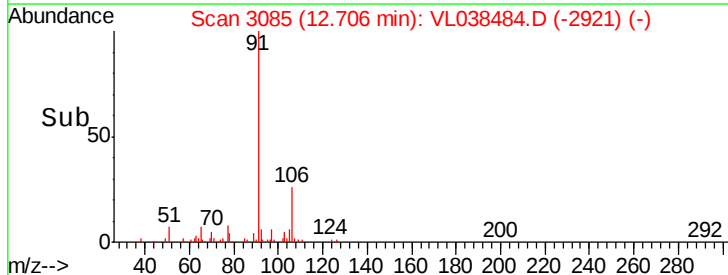
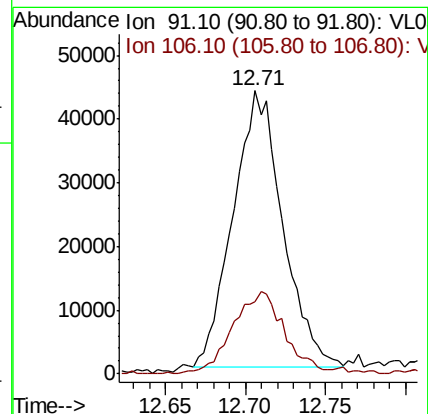
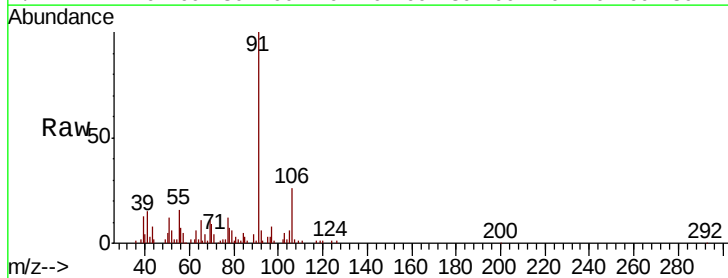
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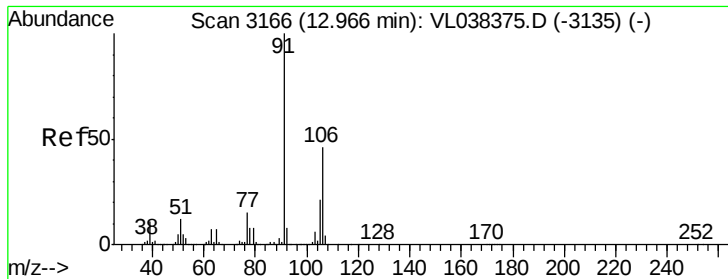
Reviewed By : Semsettin Yesilyurt 03/03/2022
Supervised By : Mahesh Dadoda 03/07/2022



#58
Ethyl Benzene
Concen: 0.306 ppbv
RT: 12.71 min Scan# 3085
Delta R.T.: 0.03 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 91 Resp: 92394
Ion Ratio Lower Upper
91 100
106 25.0 24.0 36.0



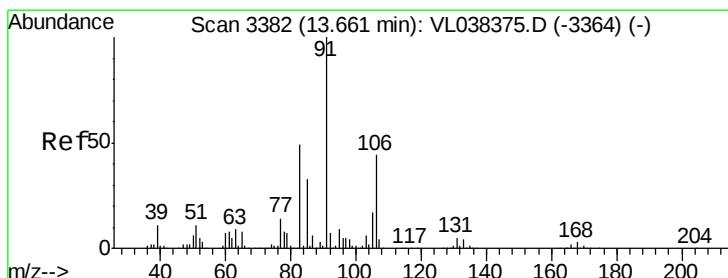
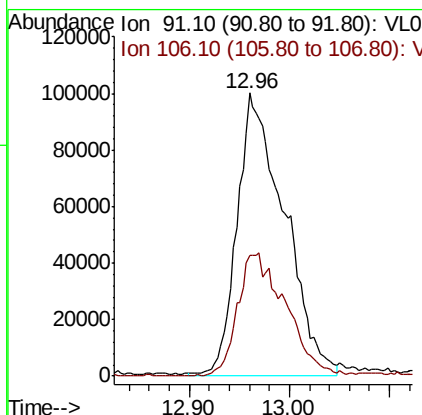
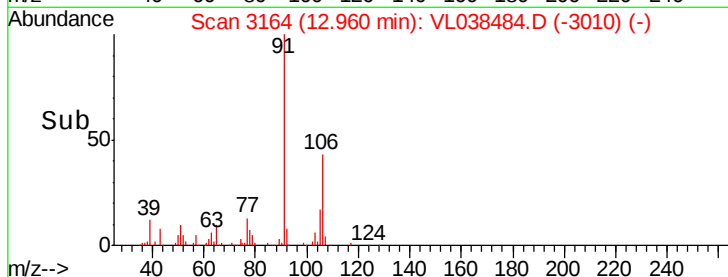
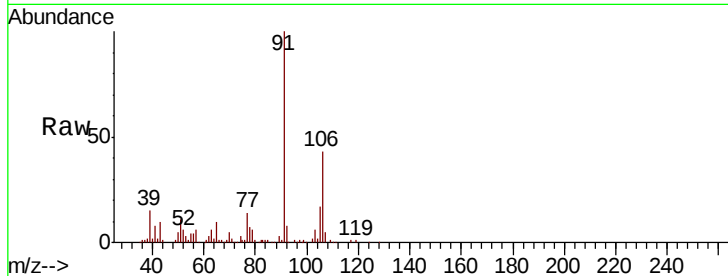


#59
m/p-Xylene
Concen: 1.274 ppbv m
RT: 12.96
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SV-02
Acq: 2 Mar 2022 16:34

Tot Ion:
Ion Ratio
91 100
106 0.

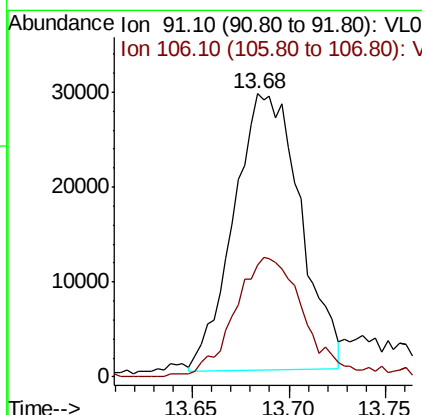
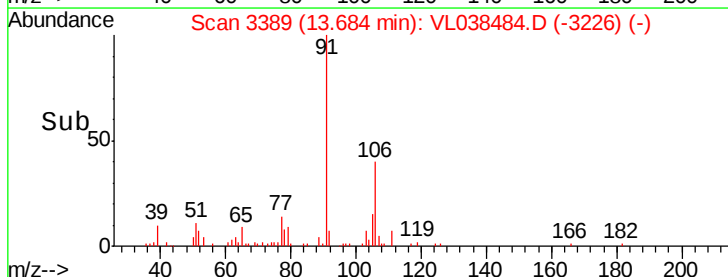
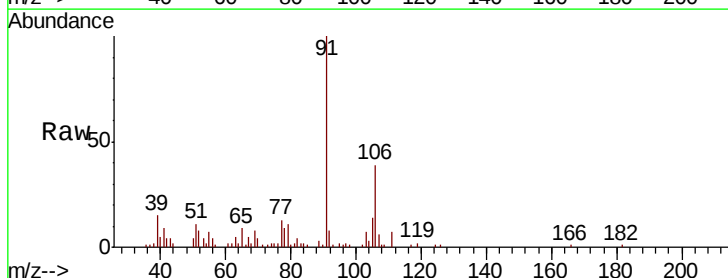
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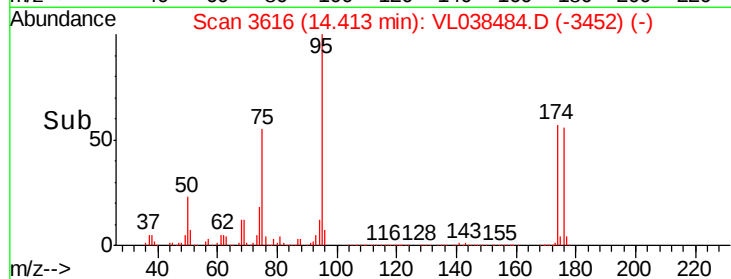
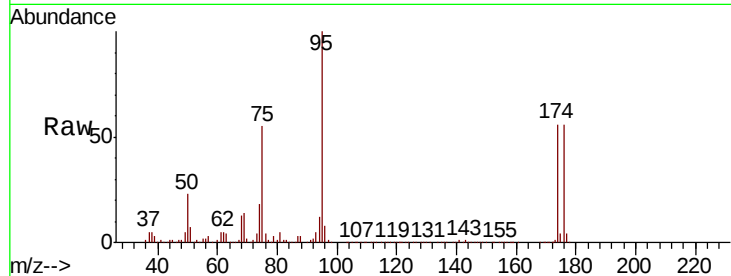
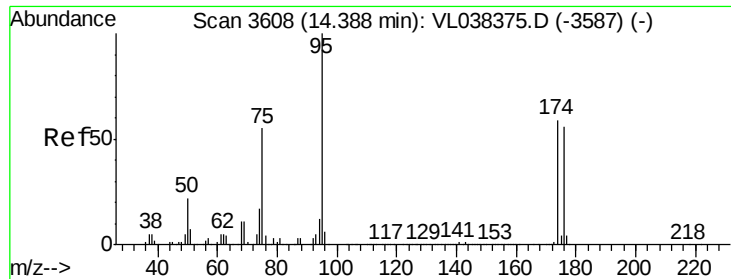
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#60
o-Xylene
Concen: 0.284 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. 0.02 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 91 Resp: 69607
Ion Ratio Lower Upper
91 100
106 46.3 21.9 65.5





#68

1-Bromo-4-Fluorobenzene

Concen: 10.101 ppbv

RT: 14.41

Delta R.T

Lab File: ClientSampleId :

Acq: 2 Mar 2022 10:34

Tot Ion:

Ion Ratio

95 100

174 59.

175 4.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022

