

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030222\
 Data File : VL038490.D
 Acq On : 2 Mar 2022 20:24
 Operator : SY/AP
 Sample : N1724-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV-3DL

Manual Integrations
 APPROVED

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

Quant Time: Mar 02 23:55:10 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	920859	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2445213	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	2211801	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1990045	10.87	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	1443360m	26.884	ppbv	
10) Heptane	8.12	43	129207	0.989	ppbv	99
13) Ethanol	3.61	45	77580	14.479	ppbv	99
15) Acetone	3.86	43	199676m	2.550	ppbv	
19) Isopropyl Alcohol	3.99	45	31959	0.705	ppbv #	93
20) Methylene Chloride	4.35	84	29696	0.765	ppbv	91
26) Hexane	5.69	57	635463	6.670	ppbv #	43
30) Cyclohexane	7.14	84	17735m	0.228	ppbv	
34) 2-Butanone	5.26	43	29234	0.380	ppbv #	73
35) Carbon Tetrachloride	7.02	117	42548	0.247	ppbv #	89
36) Benzene	6.90	78	38332m	0.178	ppbv	
52) Tetrachloroethene	11.22	164	33000	0.462	ppbv	95
53) Toluene	9.81	91	39221m	0.168	ppbv	
58) Ethyl Benzene	12.71	91	51387m	0.170	ppbv	
59) m/p-Xylene	12.97	91	134781m	0.519	ppbv	
60) o-Xylene	13.69	91	32673	0.133	ppbv	99
62) Isopropylbenzene	14.67	105	33428	0.101	ppbv	92

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

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Sample : N1724-03DL 10X
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Instrument :
MSVOA_L
ClientSampleId :
SV-3DL

Manual Integrations
APPROVED

Quant Time: Mar 02 23:55:10 2022

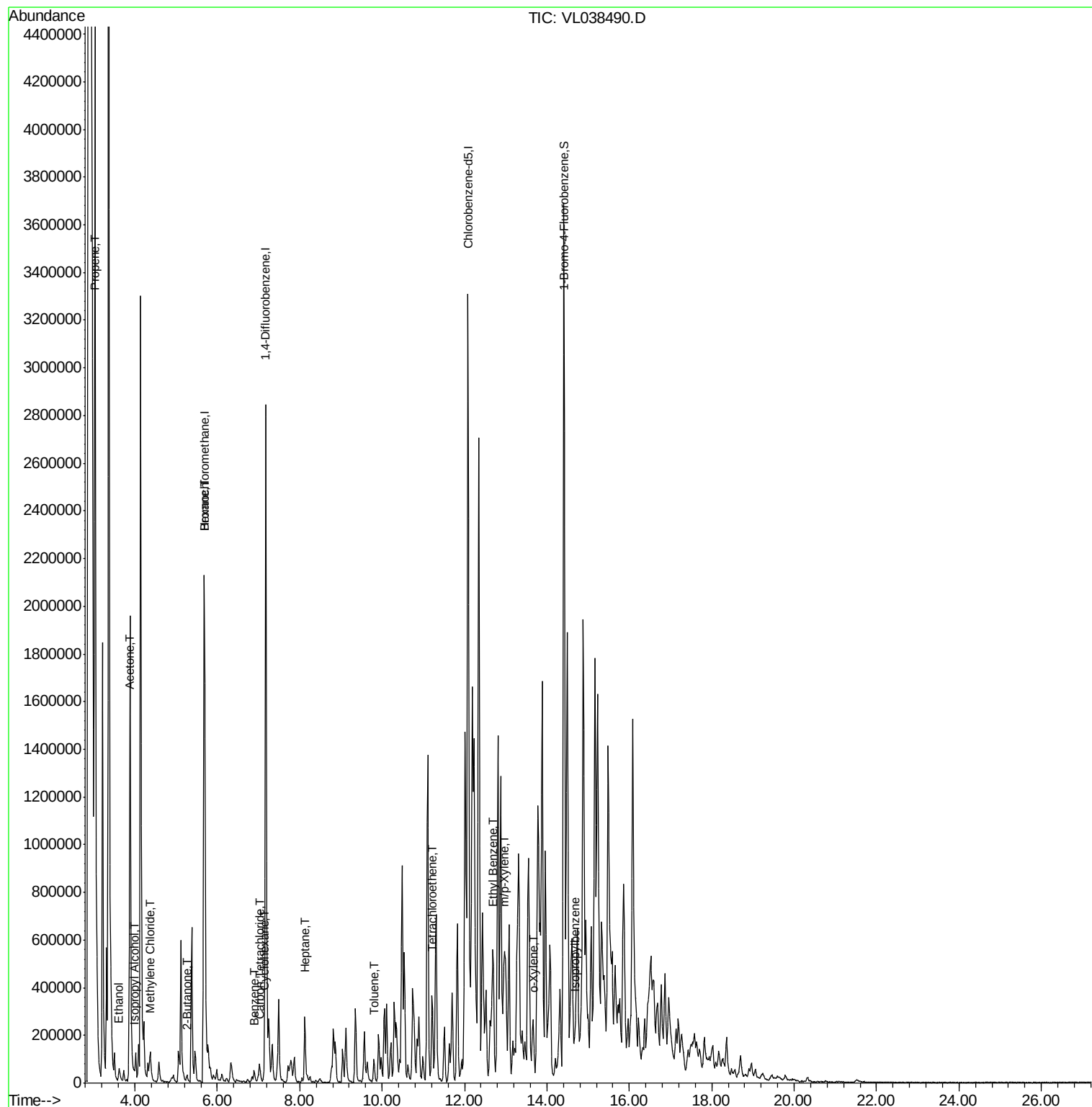
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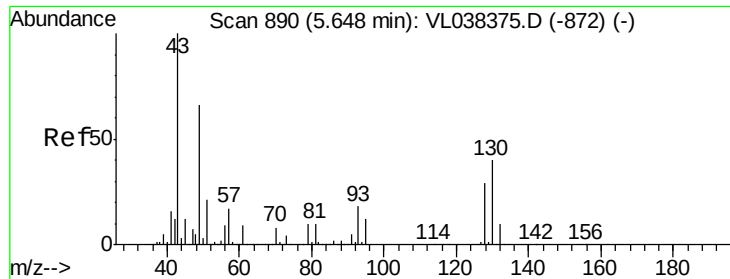
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

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

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 03/03/2022
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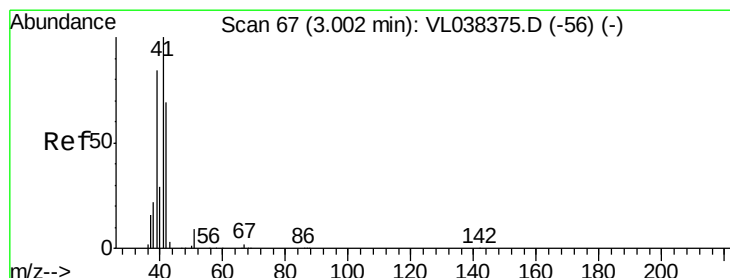
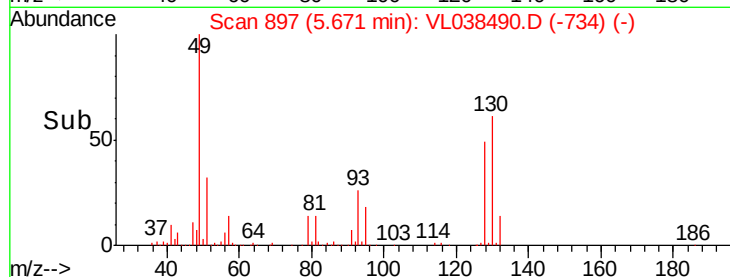
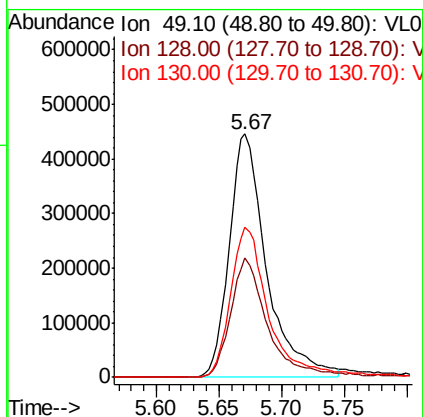
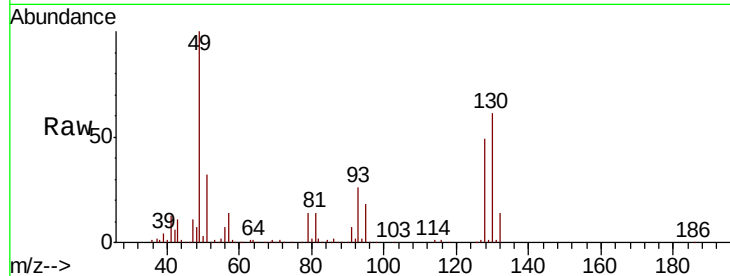


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 SV-3DL
 Acq: 2 Mar 2022 20:24

Tot Ion:
 Ion Ratio
 49 100
 128 48.
 130 65.

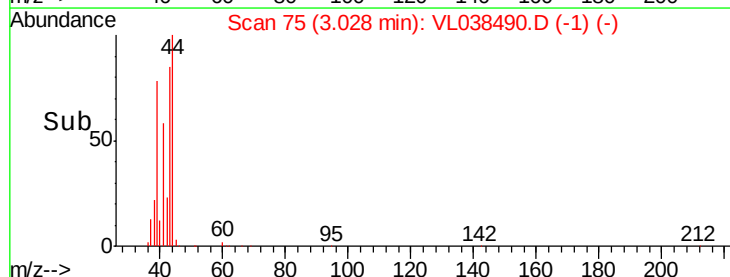
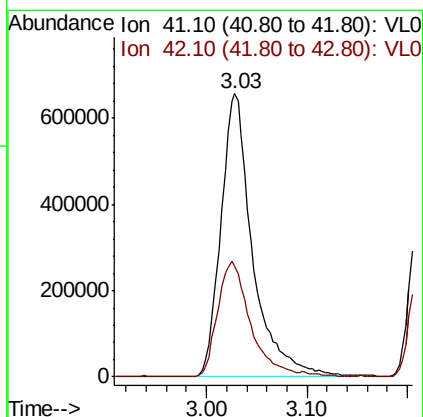
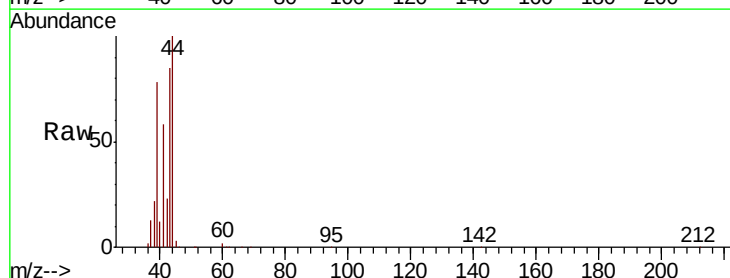
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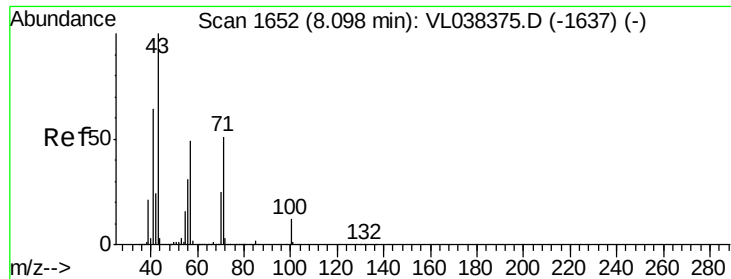
Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#9
 Propene
 Concen: 26.884 ppbv m
 RT: 3.03 min Scan# 75
 Delta R.T. 0.03 min
 Lab File: VL038490.D
 Acq: 2 Mar 2022 20:24

Tgt Ion: 41 Resp: 1443360
 Ion Ratio Lower Upper
 41 100
 42 30.7 54.6 82.0#



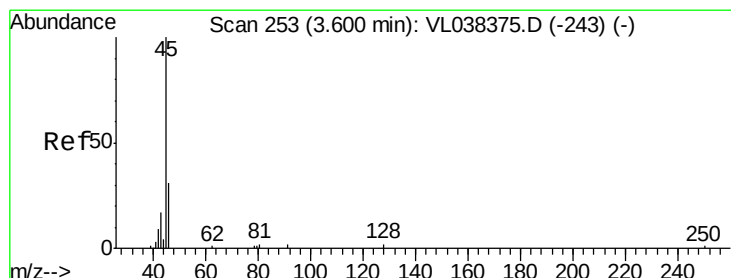
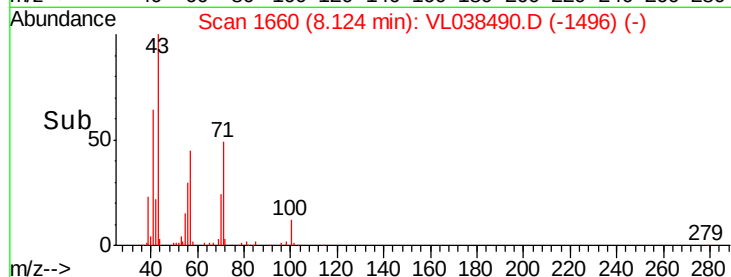
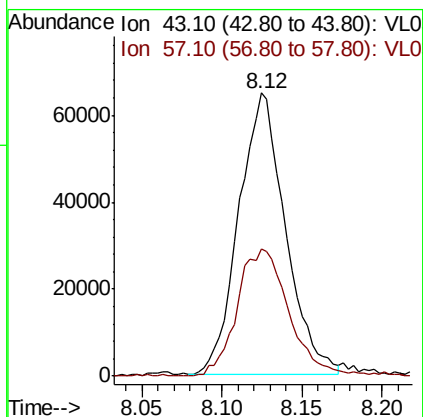
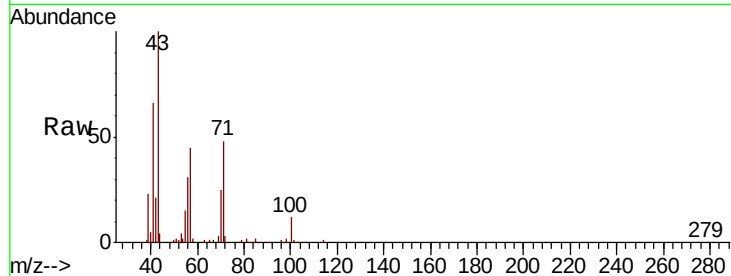


#10
 Heptane
 Concen: 0.989 ppbv
 RT: 8.12
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 20:24

Tot Ion:
 Ion Ratio
 43 100
 57 50.

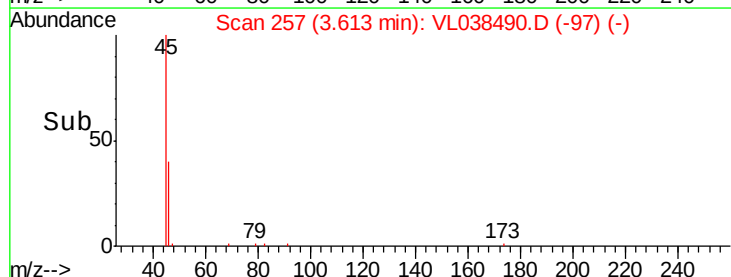
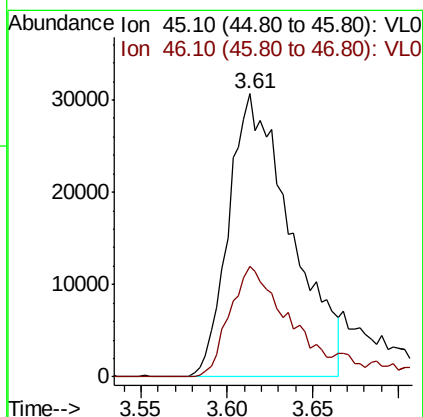
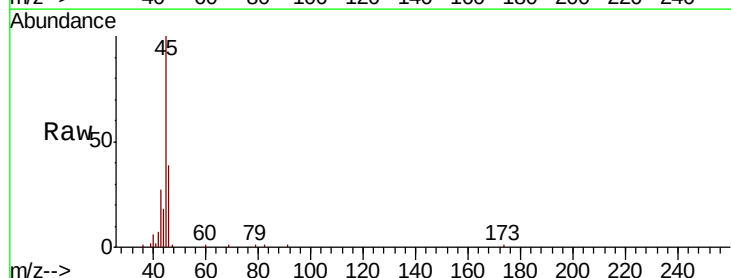
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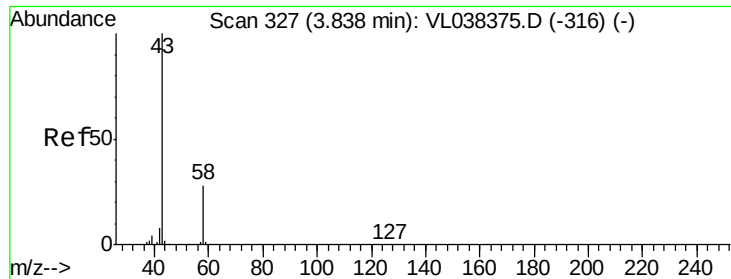
Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#13
 Ethanol
 Concen: 14.479 ppbv
 RT: 3.61 min Scan# 257
 Delta R.T. 0.01 min
 Lab File: VL038490.D
 Acq: 2 Mar 2022 20:24

Tgt Ion: 45 Resp: 77580
 Ion Ratio Lower Upper
 45 100
 46 45.0 18.2 72.8





#15

Acetone

Concen: 2.550 ppbv m

RT: 3.86

Delta R.T.

Lab File:

Acq: 2 Mar 2022 20:24

Instrument:

MSVOA_L

ClientSampleId:

SV-3DL

Tot Ion:

Ion Ratio

43 100

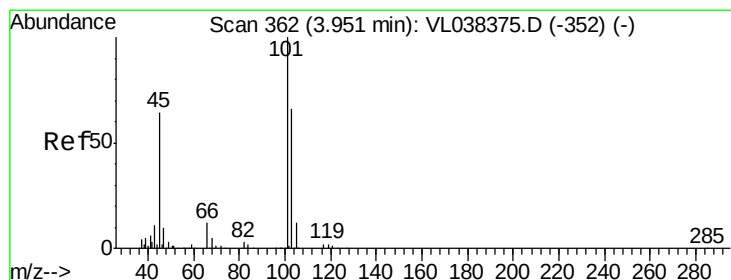
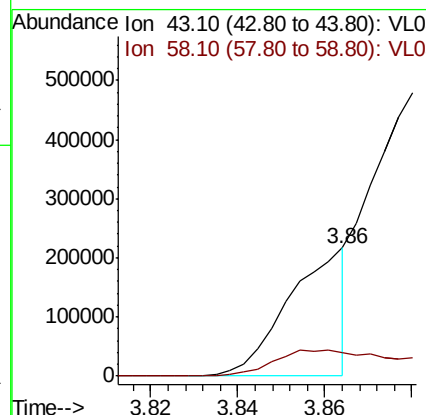
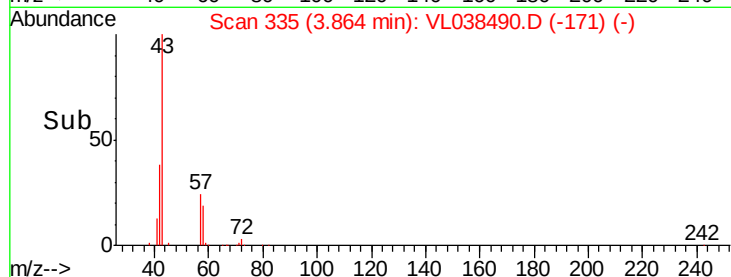
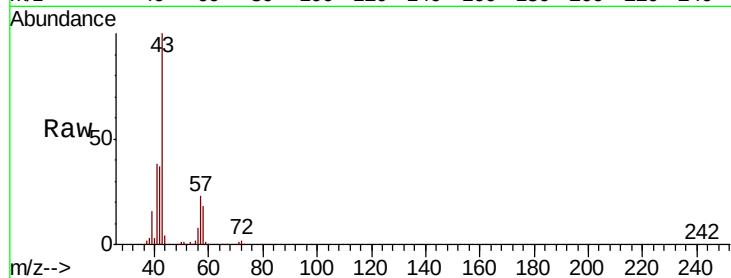
58 59.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#19

Isopropyl Alcohol

Concen: 0.705 ppbv

RT: 3.99 min Scan# 373

Delta R.T. 0.04 min

Lab File: VL038490.D

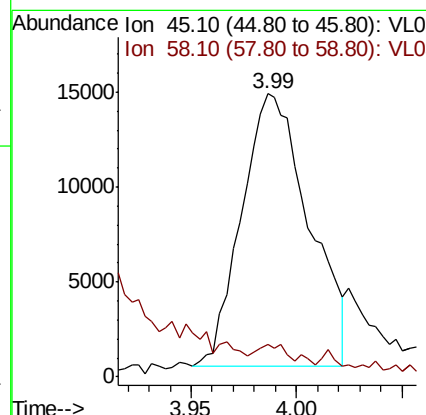
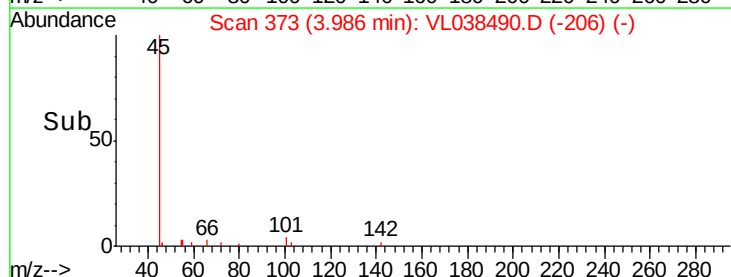
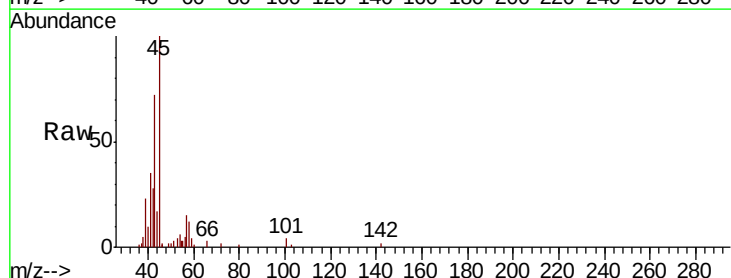
Acq: 2 Mar 2022 20:24

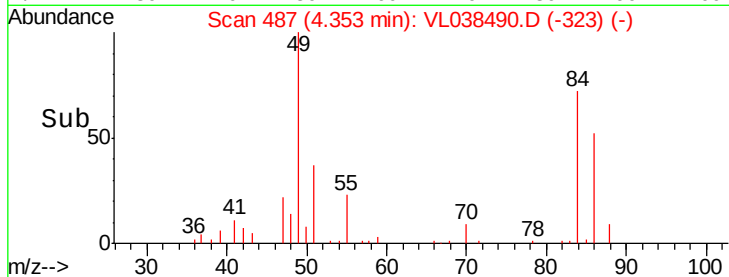
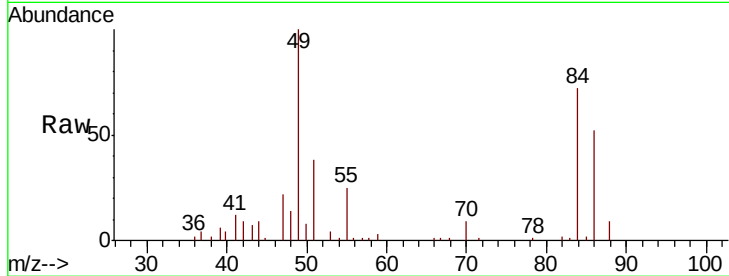
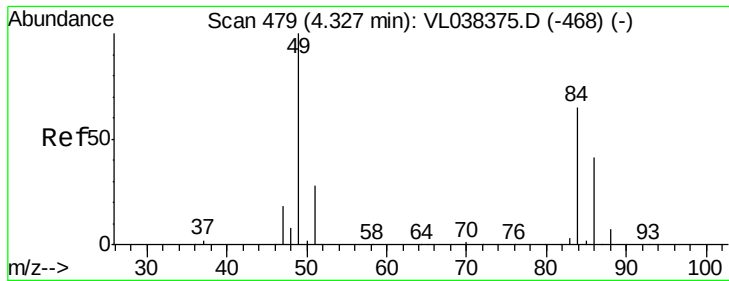
Tgt Ion: 45 Resp: 31959

Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.8#



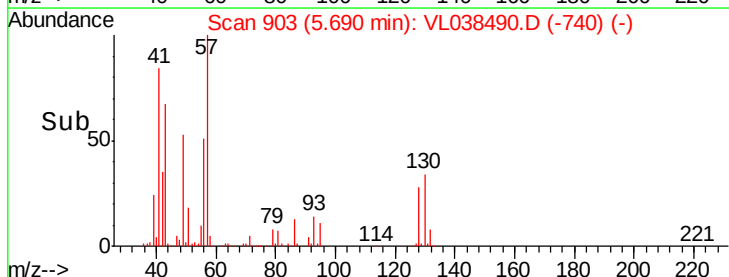
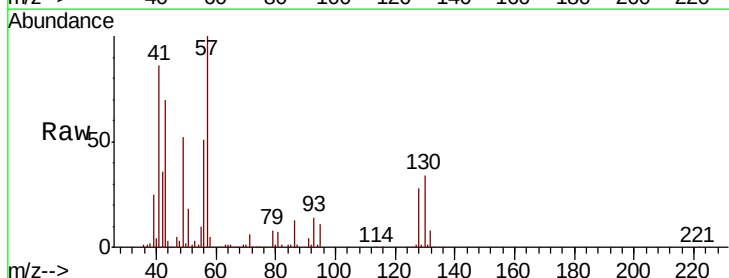
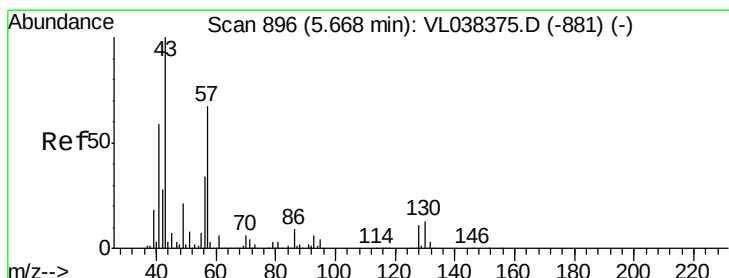
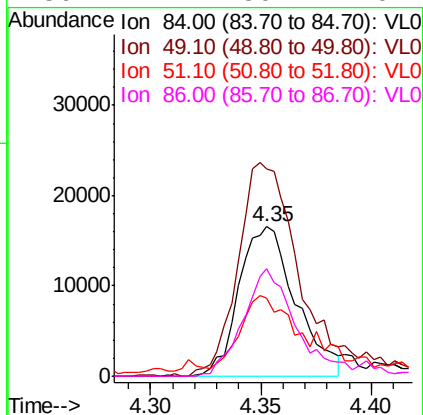


#20
Methvlene Chloride
Concen: 0.765 ppbv
RT: 4.35
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 20:24

Tot Ion:
Ion Ratio
84 100
49 138.
51 40.
86 71.7 50.7 76.1

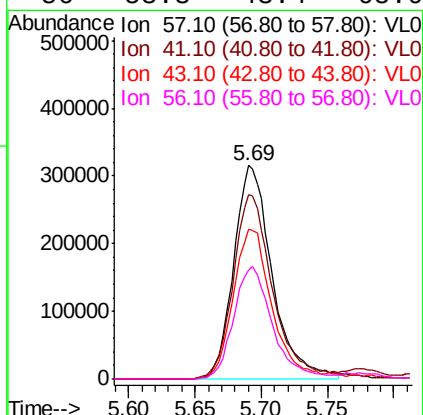
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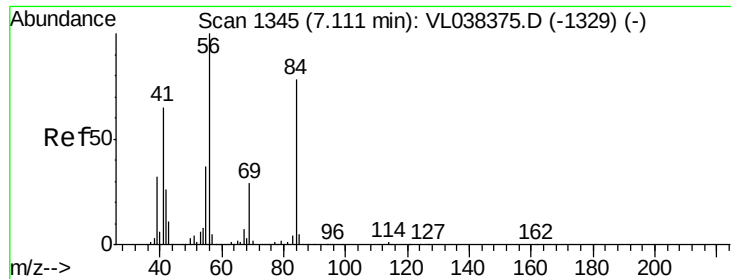
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#26
Hexane
Concen: 6.670 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL038490.D
Acq: 2 Mar 2022 20:24

Tgt Ion: 57 Resp: 635463
Ion Ratio Lower Upper
57 100
41 89.0 73.1 109.7
43 73.9 181.0 271.4#
56 53.3 43.4 65.0



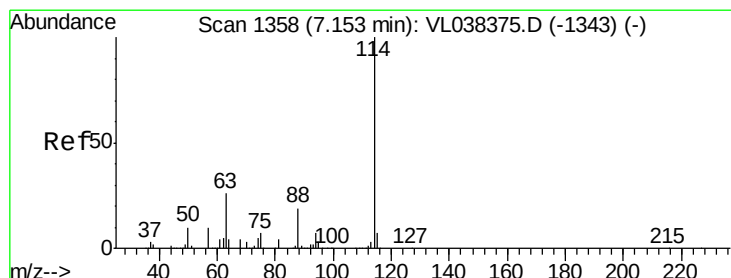
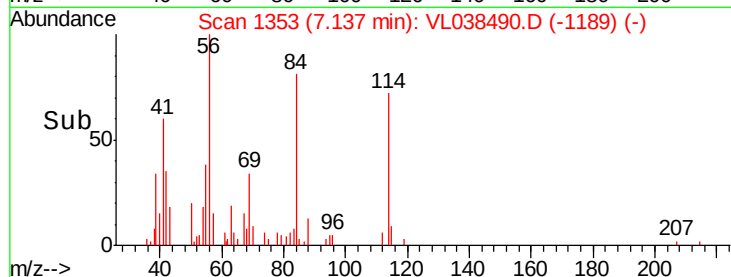
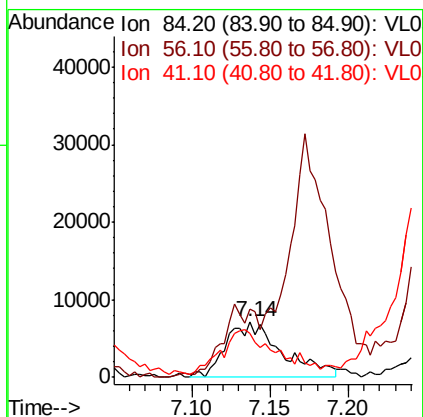
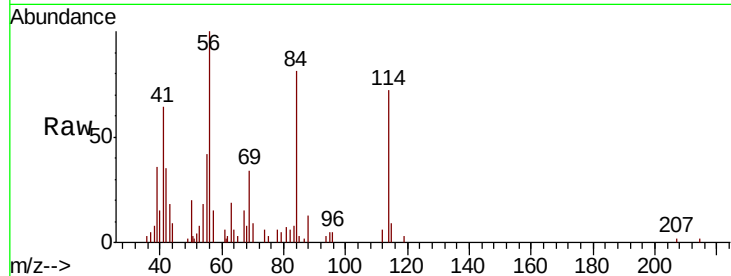


#30
Cvclohexane
Concen: 0.228 ppbv m
RT: 7.14
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 2 Mar 2022 20:24

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

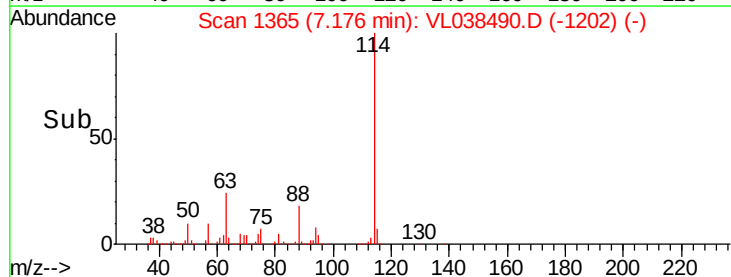
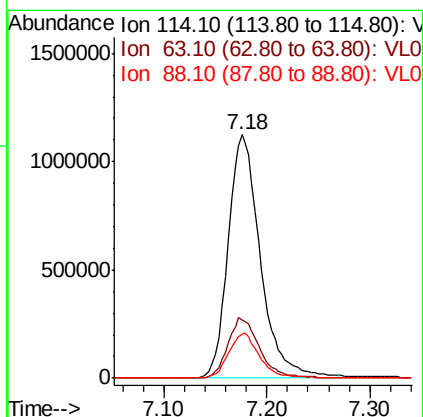
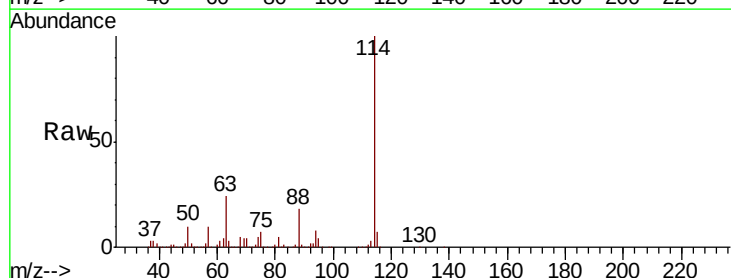
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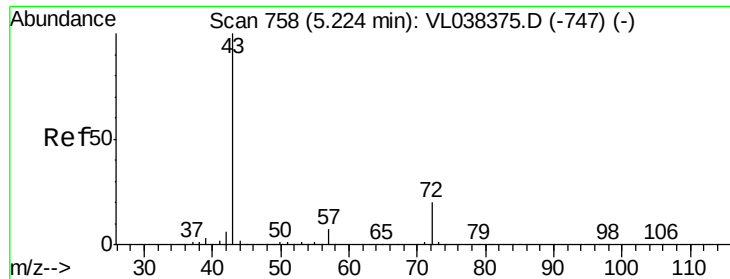
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.02 min
Lab File: VL038490.D
Acq: 2 Mar 2022 20:24

Tgt Ion:114 Resp: 2445213
Ion Ratio Lower Upper
114 100
63 24.9 22.2 33.2
88 18.1 15.2 22.8



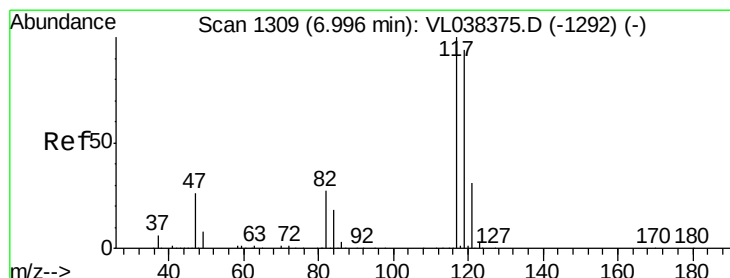
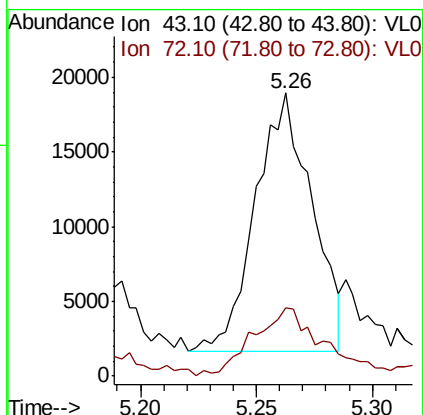
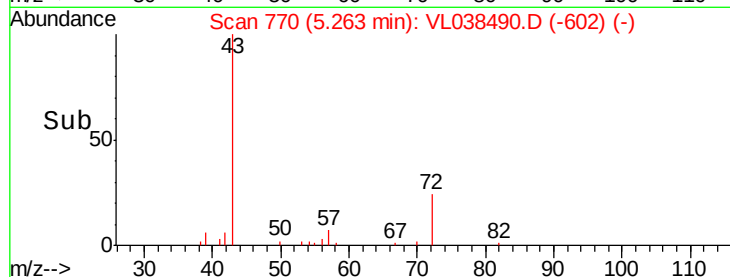
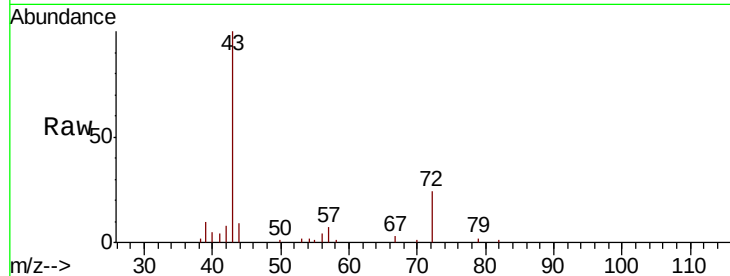


#34
2-Butanone
Concen: 0.380 ppbv
RT: 5.26
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV-3DL
Acq: 2 Mar 2022 20:24

Tot Ion:
Ion Ratio
43 100
72 34.

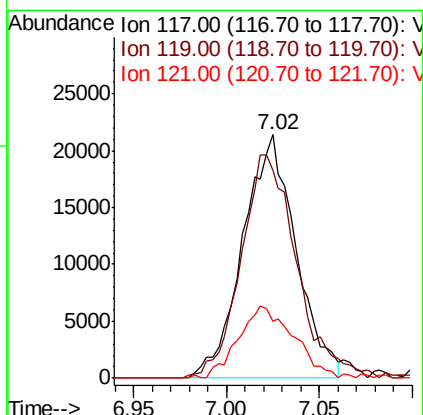
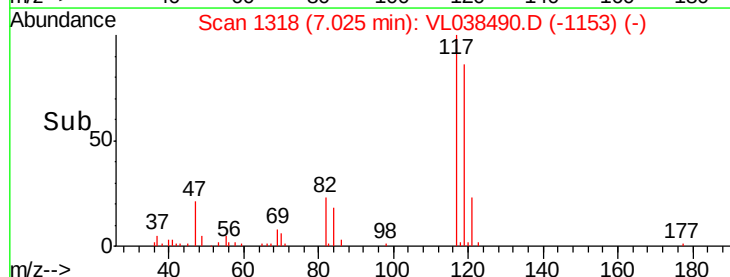
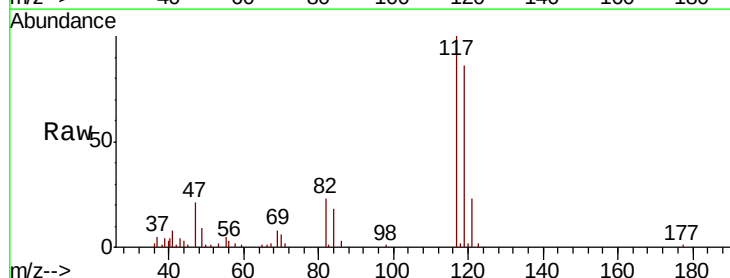
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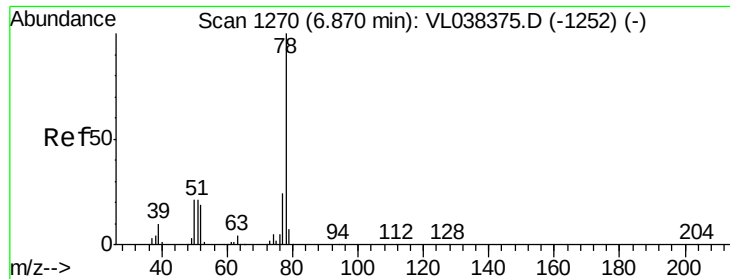
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#35
Carbon Tetrachloride
Concen: 0.247 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. 0.03 min
Lab File: VL038490.D
Acq: 2 Mar 2022 20:24

Tgt Ion:117 Resp: 42548
Ion Ratio Lower Upper
117 100
119 84.5 74.9 112.3
121 23.3 24.8 37.2#





#36

Benzene

Concen: 0.178 ppbv m

RT: 6.90 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 20:24 SV-3DL

Tot Ion:

Ion Ratio

78 100

77 19.

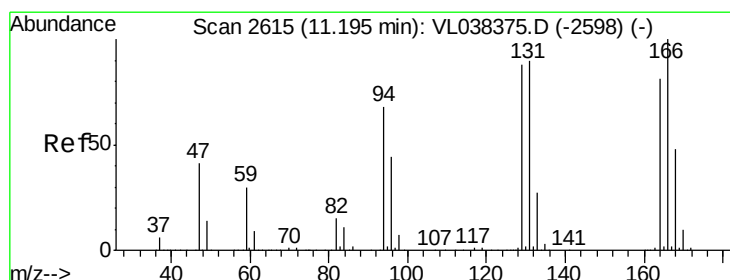
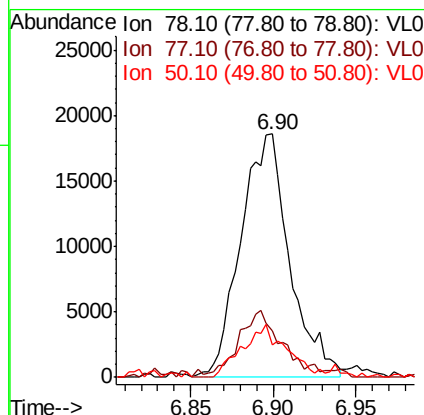
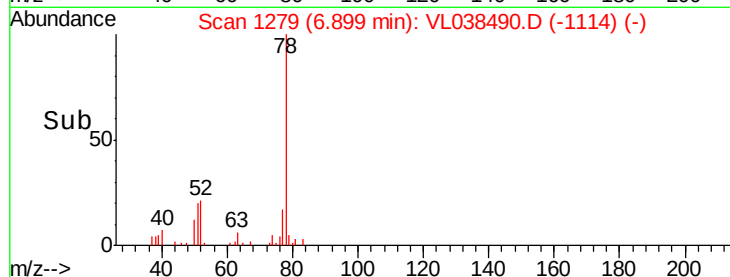
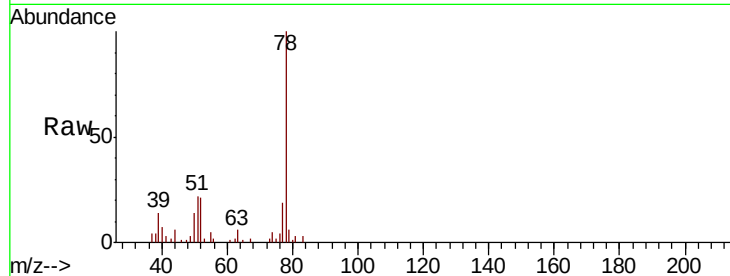
50 13.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#52

Tetrachloroethene

Concen: 0.462 ppbv

RT: 11.22 min Scan# 2624

Delta R.T. 0.03 min

Lab File: VL038490.D

Acq: 2 Mar 2022 20:24

Tgt Ion:164 Resp: 33000

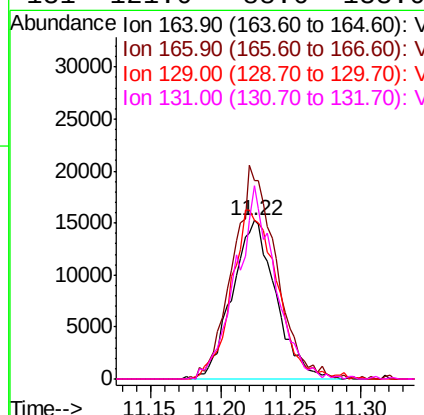
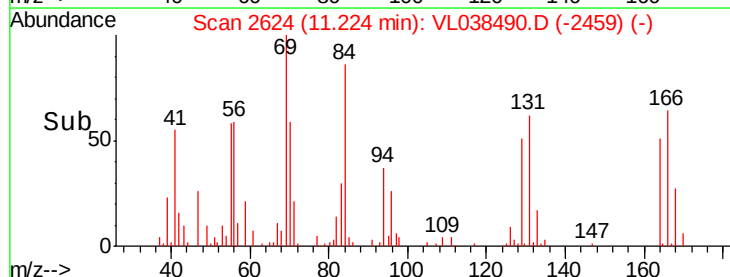
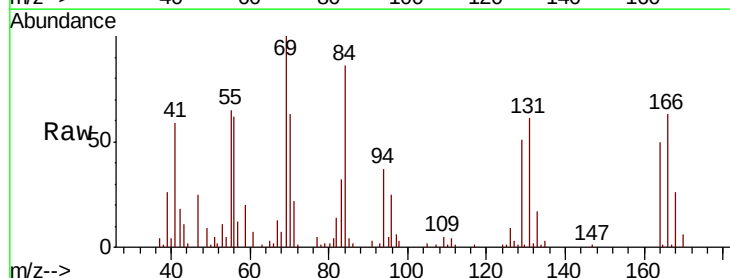
Ion Ratio Lower Upper

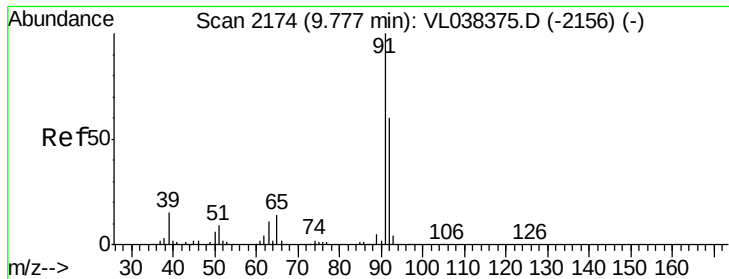
164 100

166 123.7 98.6 148.0

129 102.0 86.9 130.3

131 121.0 88.6 133.0





#53

Toluene

Concen: 0.168 ppbv m

RT: 9.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 20:24

Tot Ion:

Ion Ratio

91 100

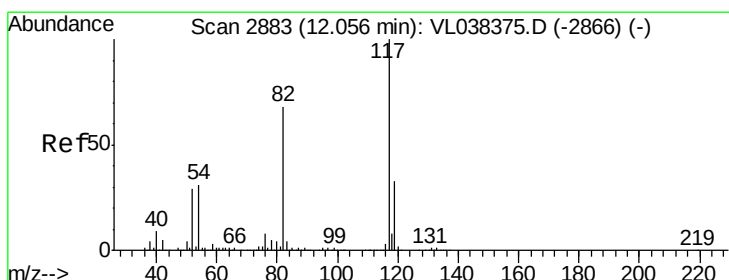
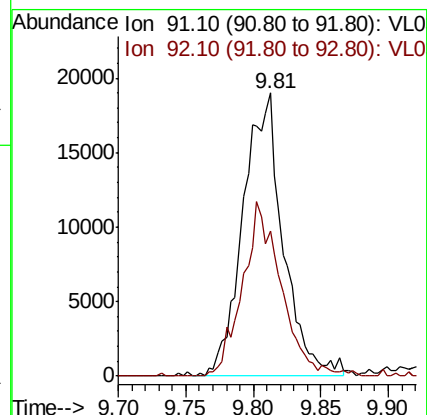
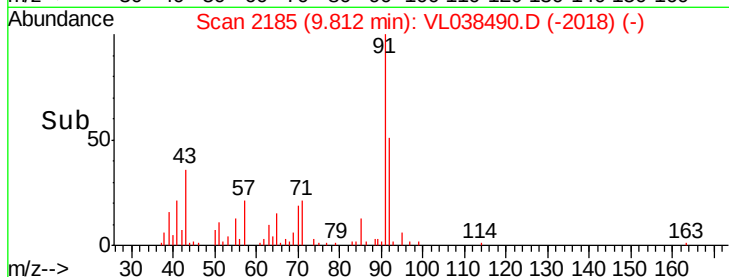
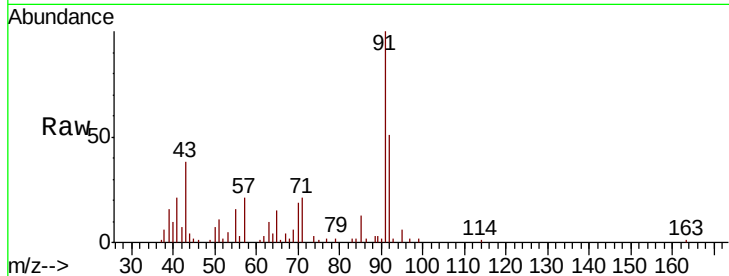
92 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.03 min

Lab File: VL038490.D

Acq: 2 Mar 2022 20:24

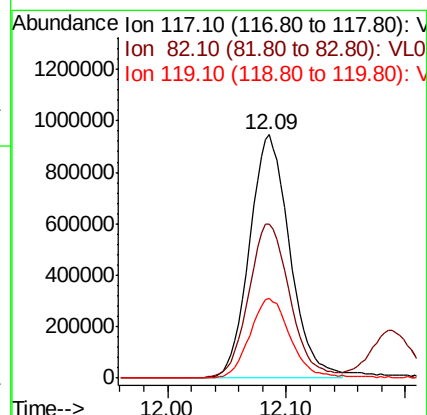
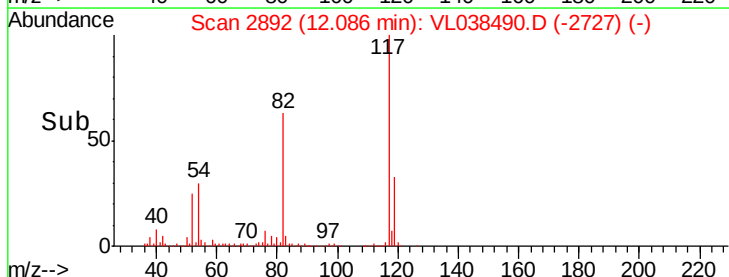
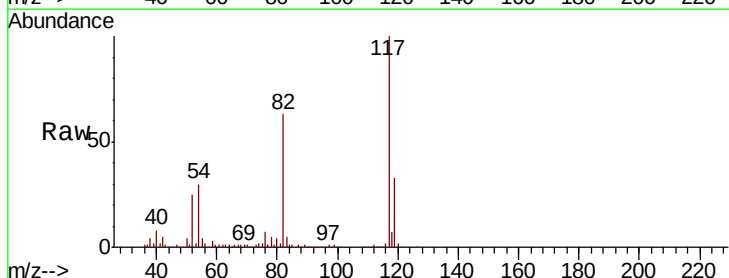
Tgt Ion:117 Resp: 2211801

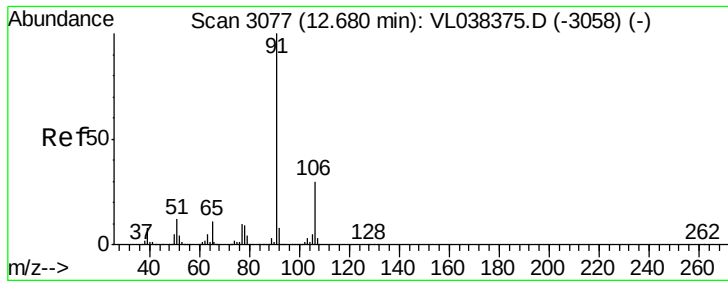
Ion Ratio Lower Upper

117 100

82 65.2 54.9 82.3

119 34.3 46.1 69.1#



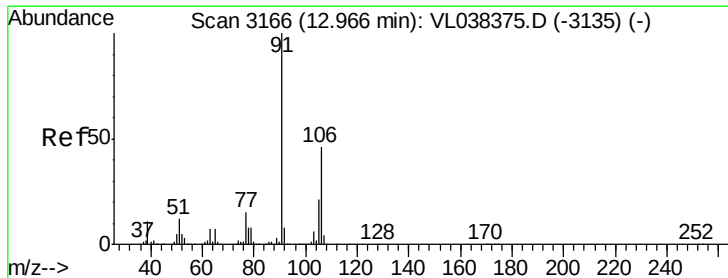
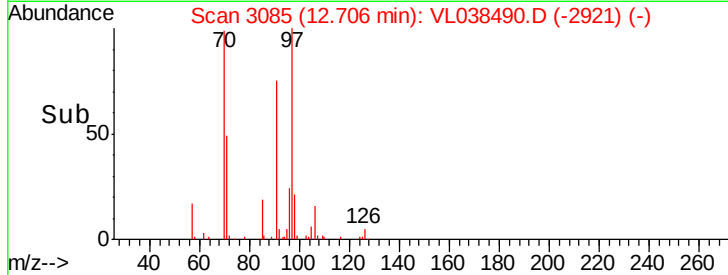
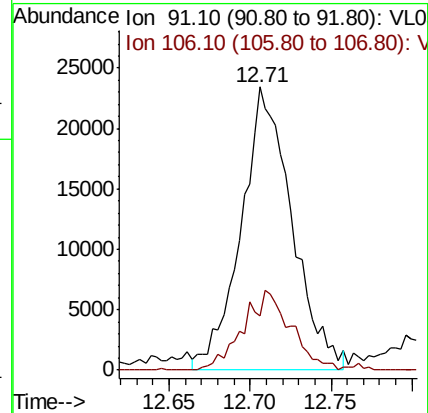
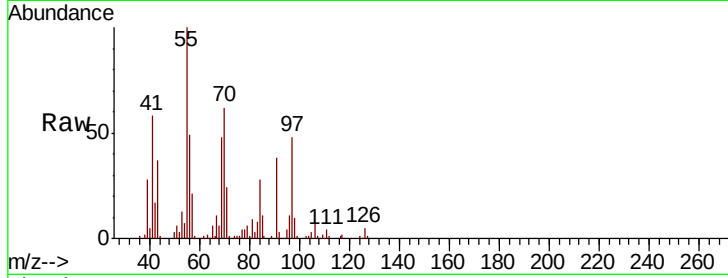


#58
Ethyl Benzene
Concen: 0.170 ppbv m
RT: 12.71
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SV-3DL
Acq: 2 Mar 2022 20:24

Tot Ion:
Ion Ratio
91 100
106 19.

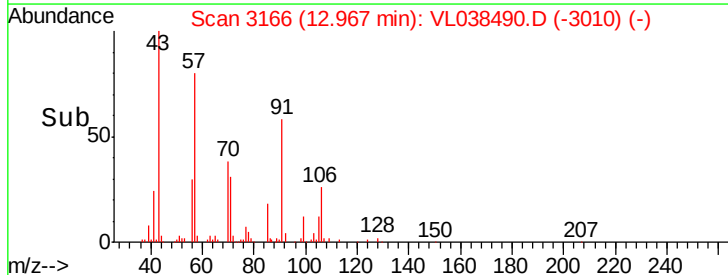
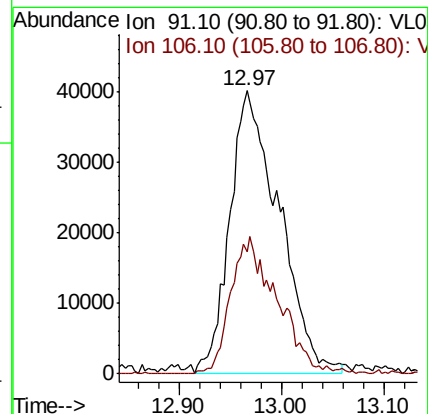
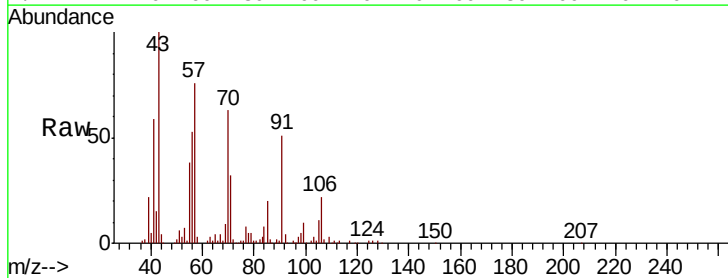
Manual Integrations
APPROVED

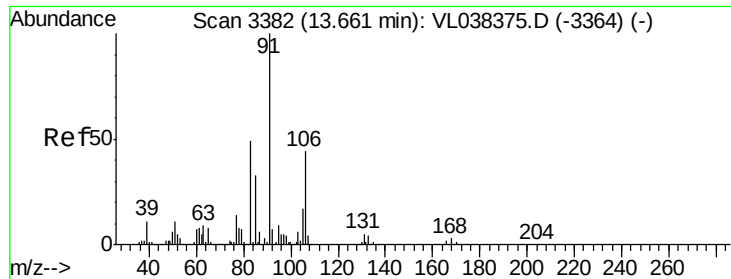
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#59
m/p-Xylene
Concen: 0.519 ppbv m
RT: 12.97 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VL038490.D
Acq: 2 Mar 2022 20:24

Tgt Ion: 91 Resp: 134781
Ion Ratio Lower Upper
91 100
106 0.0 34.4 51.6#



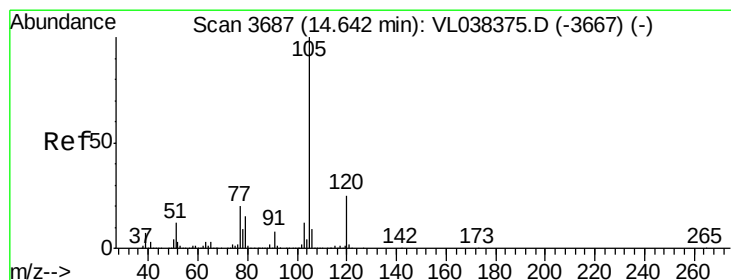
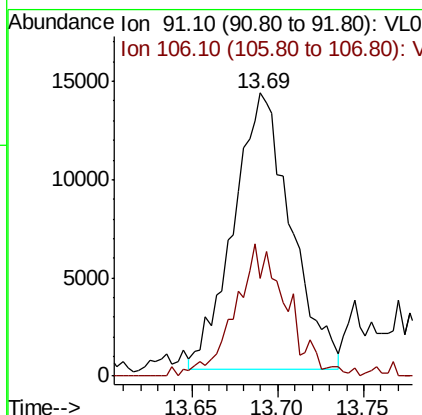
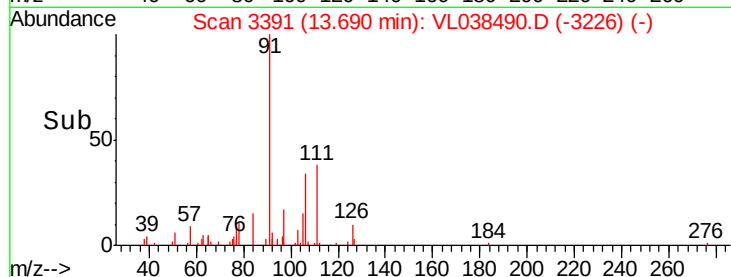
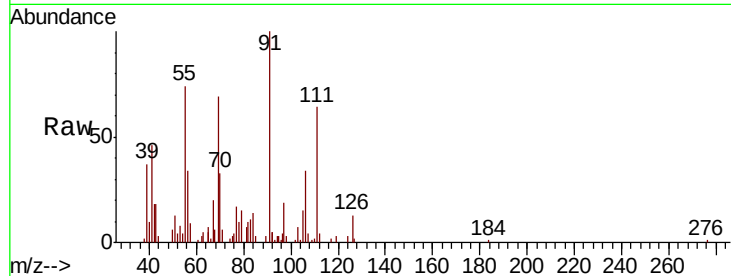


#60
o-Xylene
Concen: 0.133 ppbv
RT: 13.69 min
Delta R.T.: 0.03 min
Lab File: VL038490.D
Acq: 2 Mar 2022 20:24

Manual Integrations
APPROVED

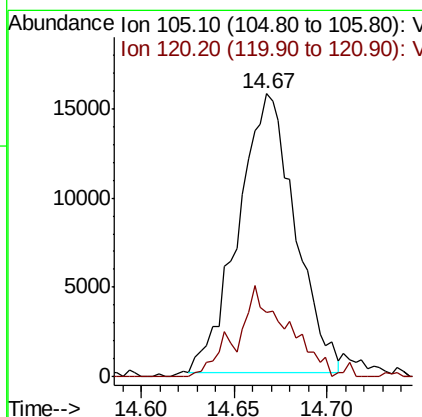
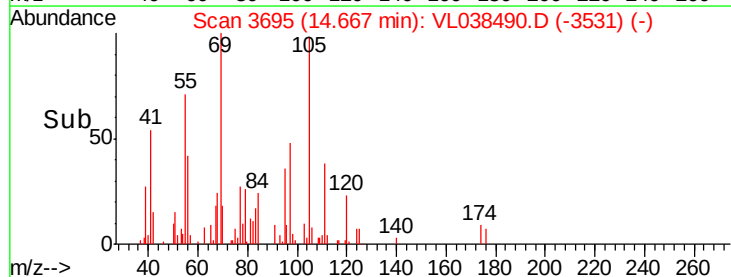
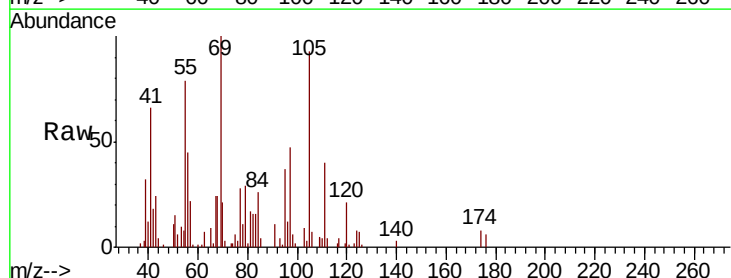
Reviewed By :Semsettin Yesilyurt 03/03/2022
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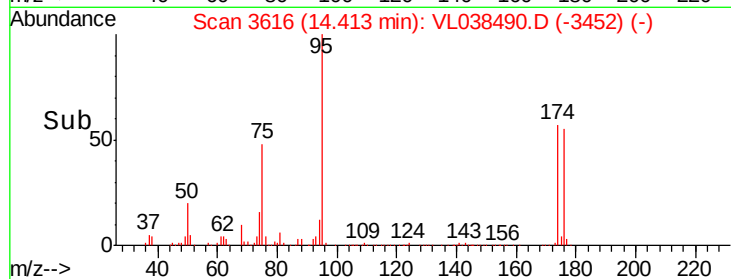
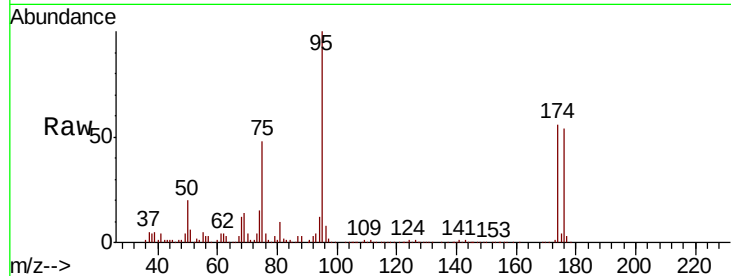
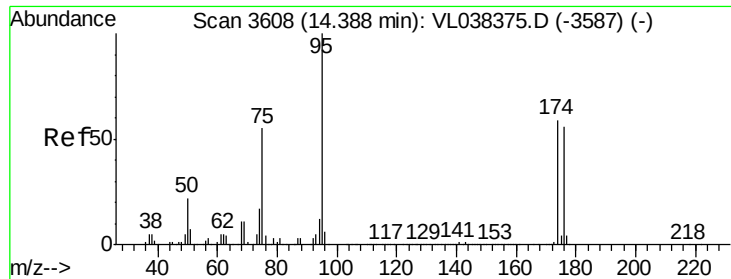
Tot Ion:
Ion Ratio
91 100
106 44.



#62
Isopropylbenzene
Concen: 0.101 ppbv
RT: 14.67 min Scan# 3695
Delta R.T.: 0.03 min
Lab File: VL038490.D
Acq: 2 Mar 2022 20:24

Tgt Ion:105 Resp: 33428
Ion Ratio Lower Upper
105 100
120 29.7 20.6 30.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.874 ppbv
 RT: 14.41
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 20.24

Tot Ion:
 Ion Rati
 95 100
 174 56.
 175 4.

Manual Integrations
 APPROVED

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

