

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030222\
 Data File : VL038486.D
 Acq On : 2 Mar 2022 17:51
 Operator : SY/AP
 Sample : N1724-02 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV-1

Manual Integrations
 APPROVED

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

Quant Time: Mar 02 23:36:42 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	977559	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2395682	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	2161677	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	4867092	27.21	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	272.10%#

Target Compounds

					Ovalue
5) Vinyl Chloride	3.27	62	74243	1.184	ppbv 97
9) Propene	3.03	41	6018753m	105.602	ppbv
10) Heptane	8.13	43	1559416	11.240	ppbv 100
13) Ethanol	3.60	45	147553	25.941	ppbv 97
15) Acetone	3.85	43	1022674	12.302	ppbv # 24
17) tert-Butyl alcohol	4.31	59	20032m	0.242	ppbv
19) Isopropyl Alcohol	3.97	45	119612	2.485	ppbv # 1
20) Methylene Chloride	4.35	84	41664	1.012	ppbv 90
26) Hexane	5.69	57	1961522	19.394	ppbv # 45
27) Carbon Disulfide	4.56	76	260410	2.315	ppbv 99
30) Cyclohexane	7.14	84	1485935	17.964	ppbv 93
31) cis-1,2-Dichloroethene	5.55	61	113892	1.162	ppbv 99
34) 2-Butanone	5.25	43	434406	5.765	ppbv 98
36) Benzene	6.89	78	643211	3.050	ppbv 94
37) 1,2-Dichloroethane	6.32	62	15336m	0.126	ppbv
50) 4-Methyl-2-Pentanone	8.77	43	438682	3.293	ppbv 94
52) Tetrachloroethene	11.23	164	24479m	0.350	ppbv
53) Toluene	9.81	91	212278	0.927	ppbv 98
58) Ethyl Benzene	12.73	91	169272	0.573	ppbv # 89
59) m/p-Xylene	12.98	91	295311m	1.163	ppbv
62) Isopropylbenzene	14.68	105	201561	0.626	ppbv 98
65) tert-Butylbenzene	16.74	119	35190m	0.126	ppbv
67) sec-Butylbenzene	17.30	105	72435	0.183	ppbv 99

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

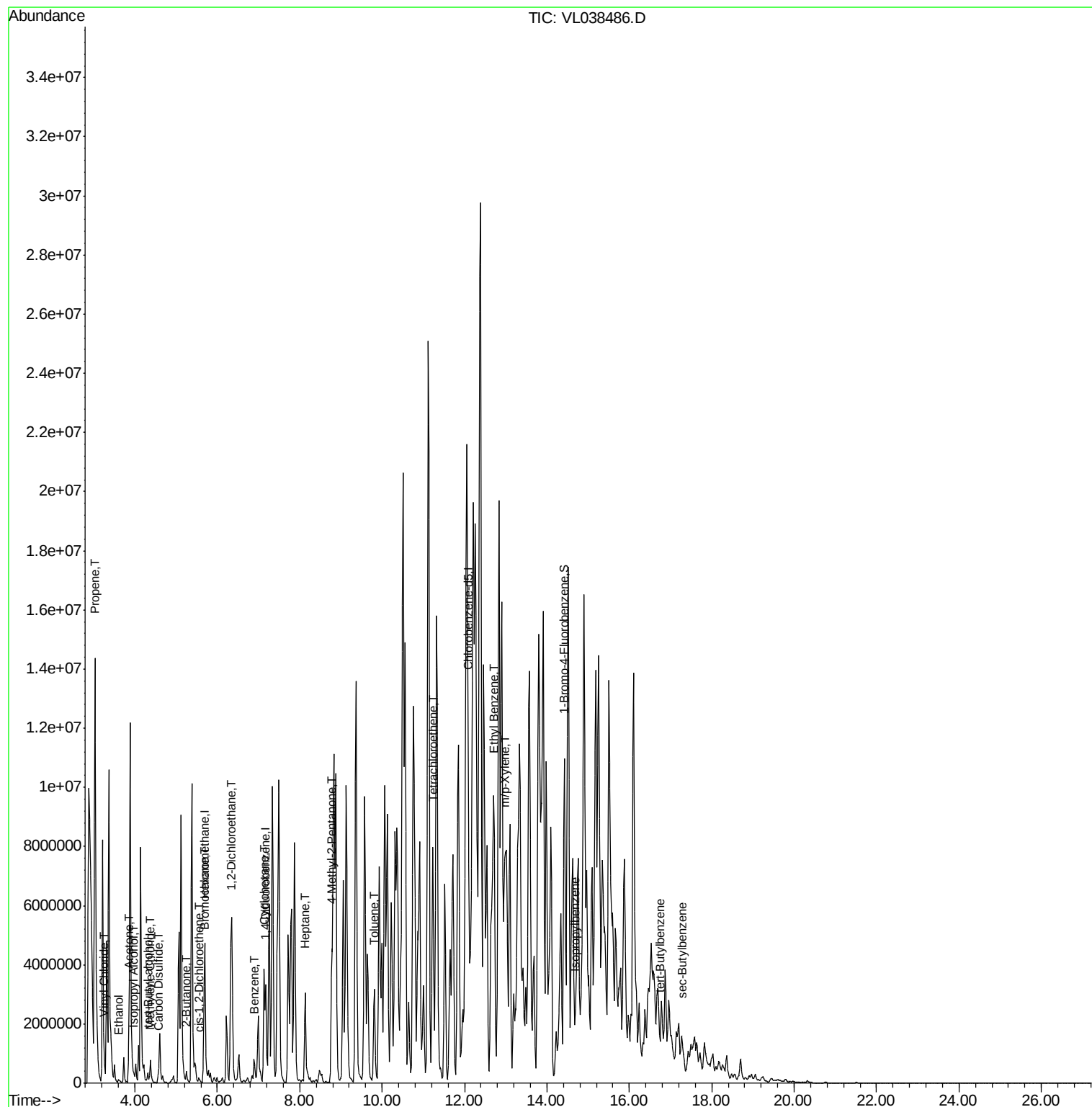
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030222\
Data File : VL038486.D
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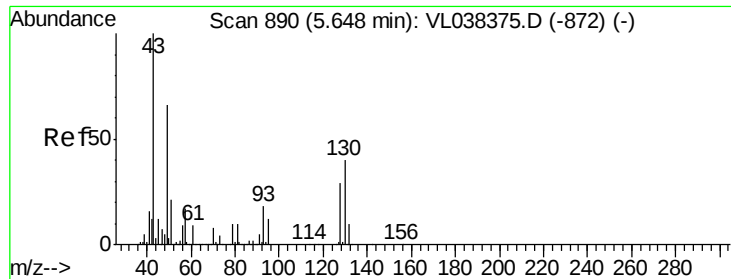
Instrument :
MSVOA_L
ClientSampleId :
SV-1

Quant Time: Mar 02 23:36:42 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022222
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Supervised By :Mahesh Dadoda 03/07/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 17:51

Tot Ion:

Ion Ratio

49 100

128 46.

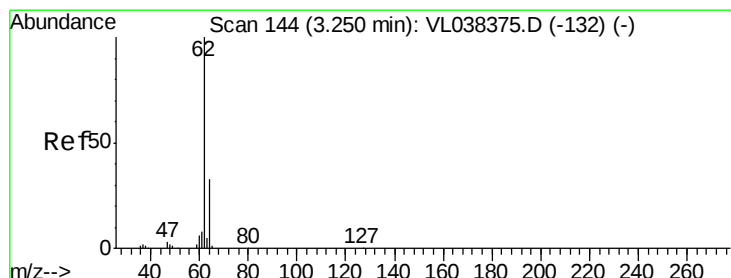
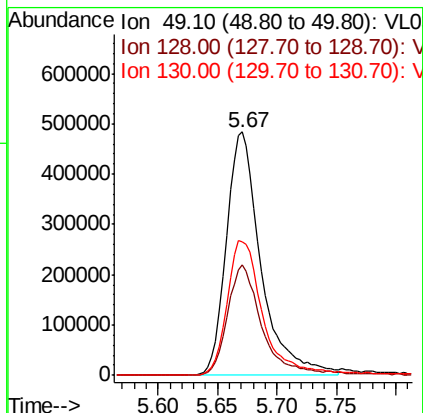
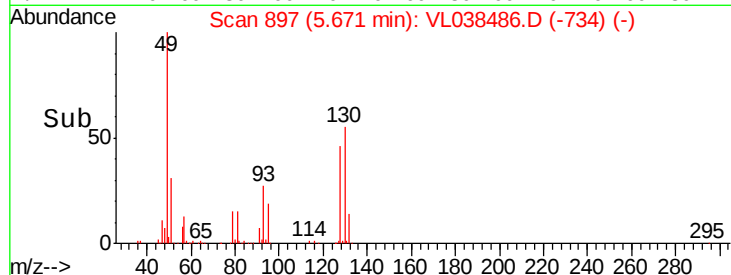
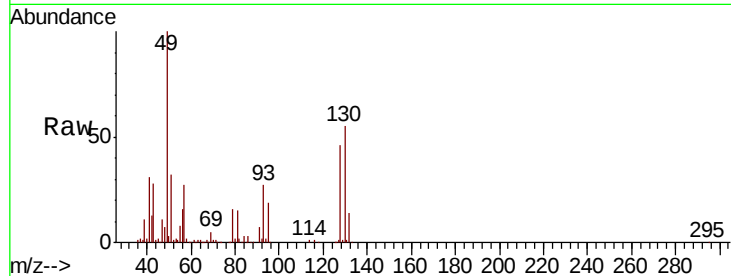
130 58.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#5

Vinyl Chloride

Concen: 1.184 ppbv

RT: 3.27 min Scan# 150

Delta R.T. 0.02 min

Lab File: VL038486.D

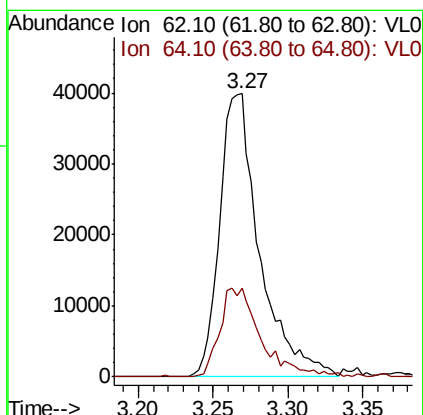
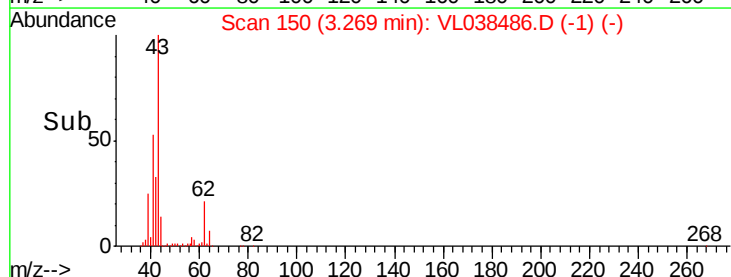
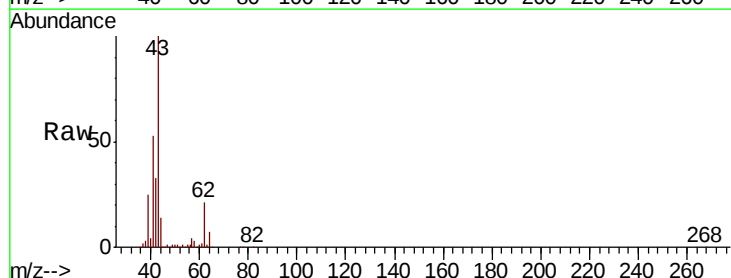
Acq: 2 Mar 2022 17:51

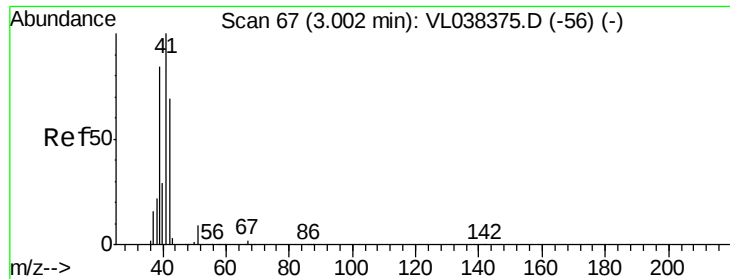
Tgt Ion: 62 Resp: 74243

Ion Ratio Lower Upper

62 100

64 31.3 26.2 39.2





#9

Propene

Concen: 105.602 ppbv m

RT: 3.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 17:51

Tot Ion:

Ion Ratio

41 100

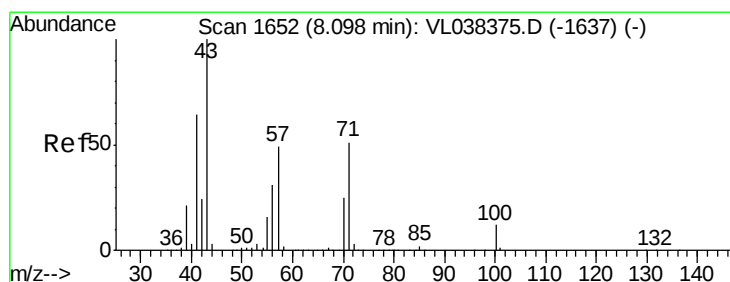
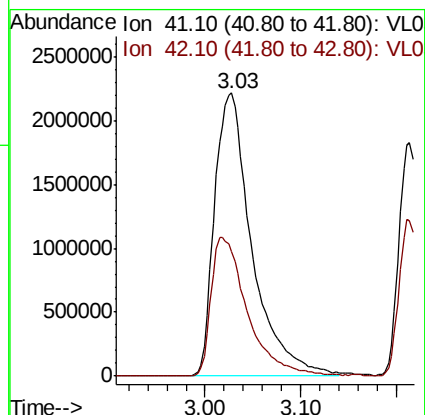
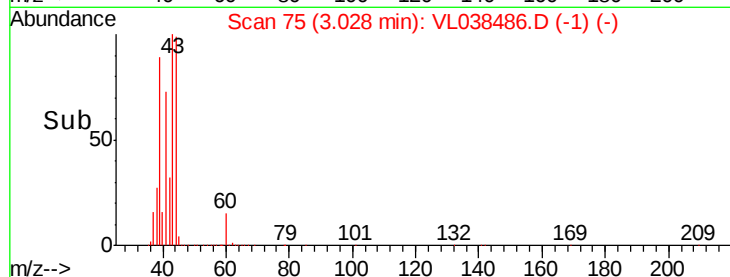
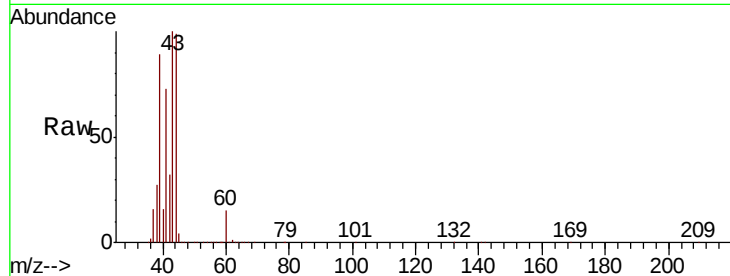
42 36.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#10

Heptane

Concen: 11.240 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.03 min

Lab File: VL038486.D

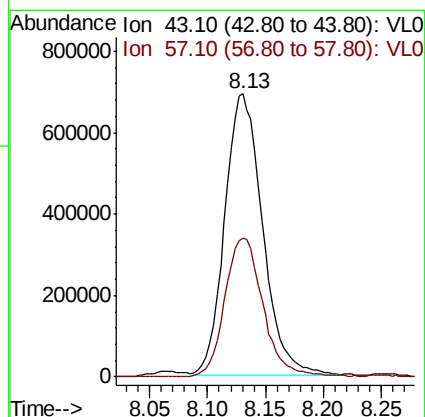
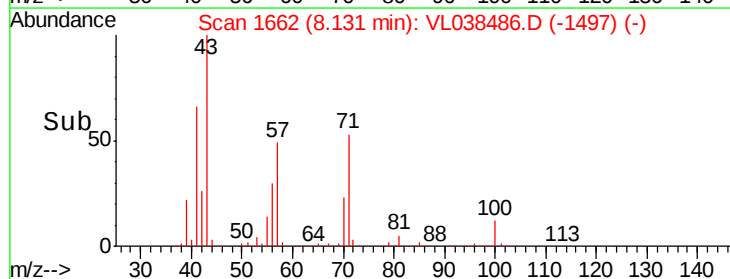
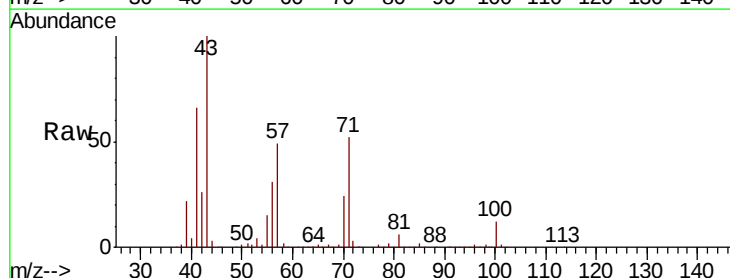
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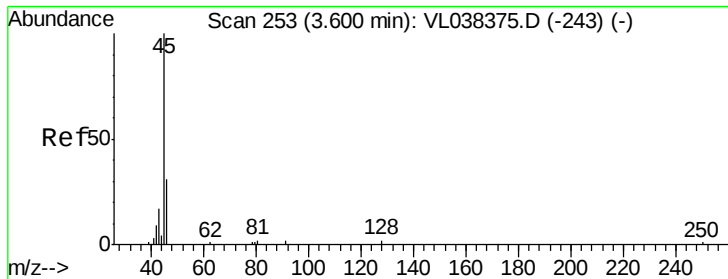
Tgt Ion: 43 Resp: 1559416

Ion Ratio Lower Upper

43 100

57 49.7 39.8 59.8



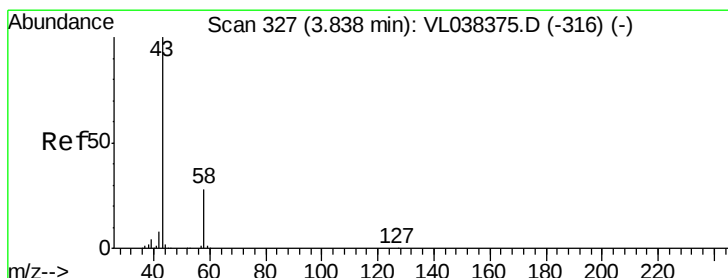
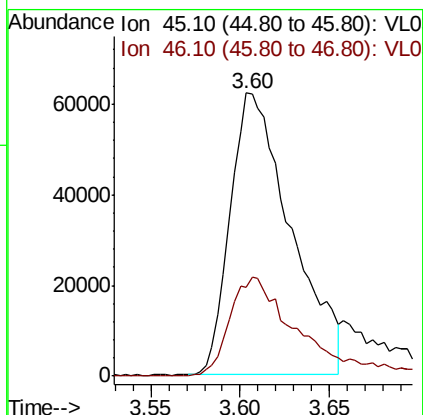
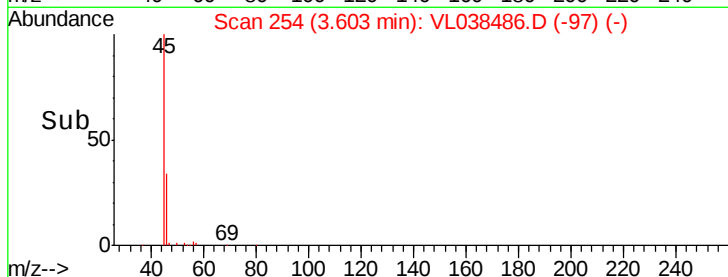
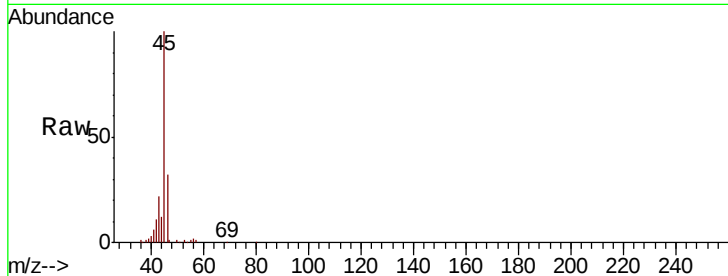


#13
Ethanol
Concen: 25.941 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 17:51

Tot Ion:
Ion Ratio
45 100
46 43.

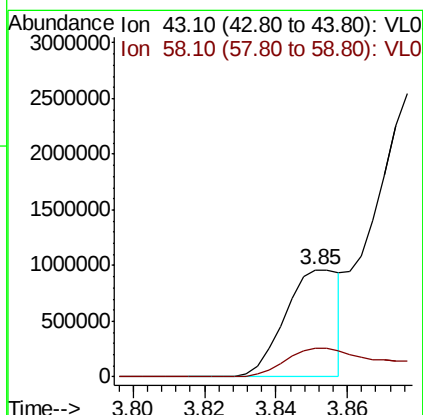
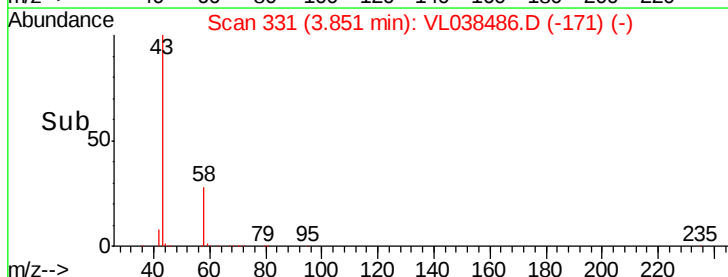
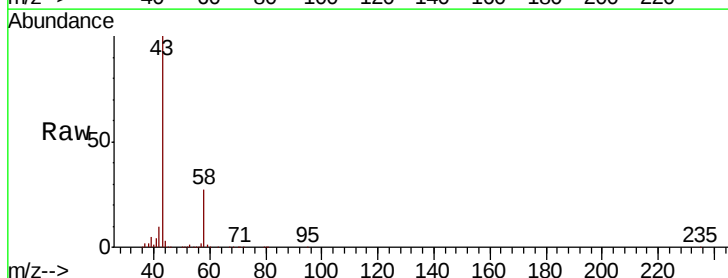
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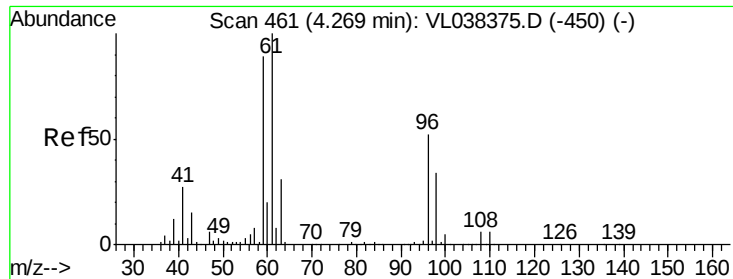
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#15
Acetone
Concen: 12.302 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL038486.D
Acq: 2 Mar 2022 17:51

Tgt Ion: 43 Resp: 1022674
Ion Ratio Lower Upper
43 100
58 66.6 21.7 32.5#





#17

tert-Butyl alcohol

Concen: 0.242 ppbv m

RT: 4.31 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 17:51

Tot Ion:

Ion Ratio

59 100

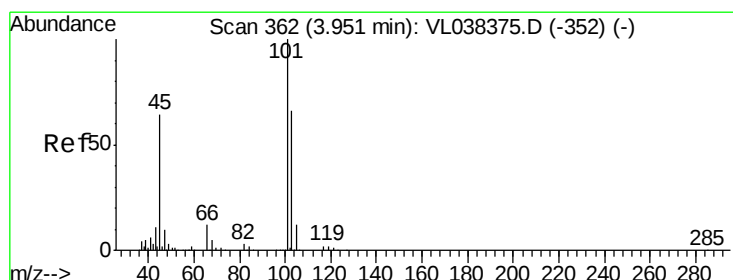
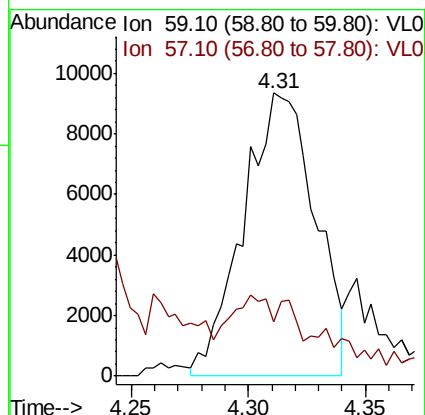
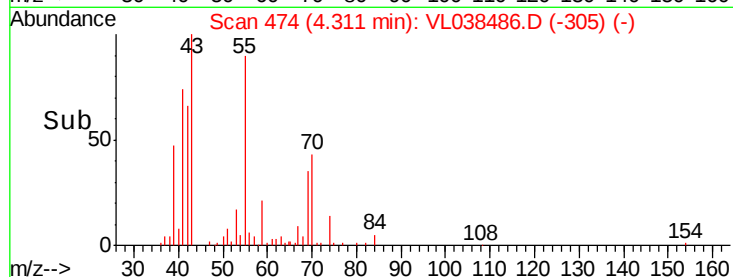
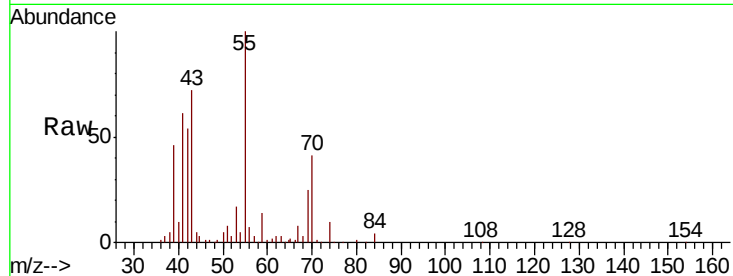
57 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#19

Isopropyl Alcohol

Concen: 2.485 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL038486.D

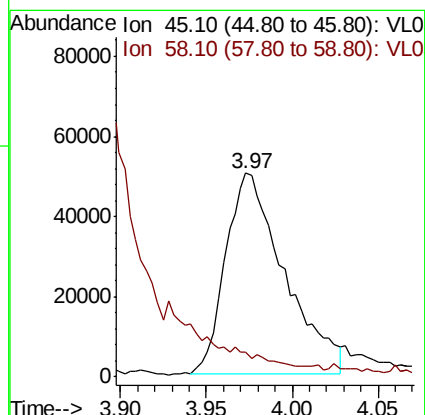
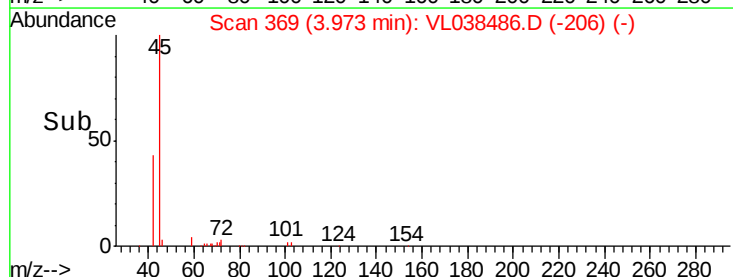
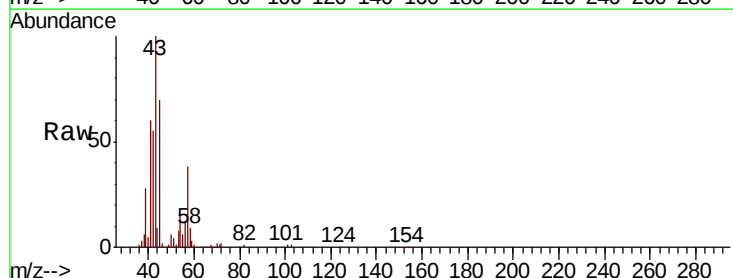
Acq: 2 Mar 2022 17:51

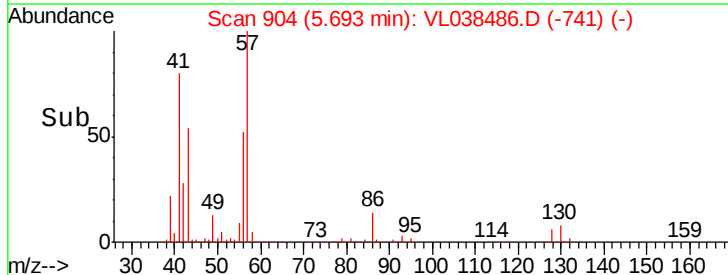
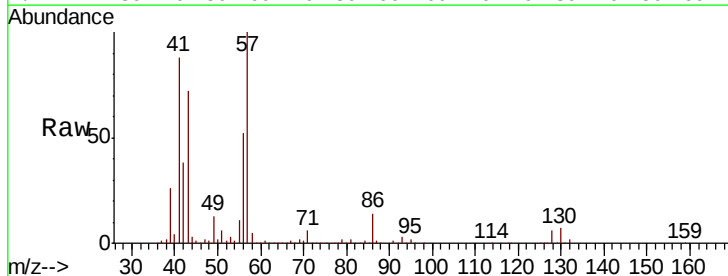
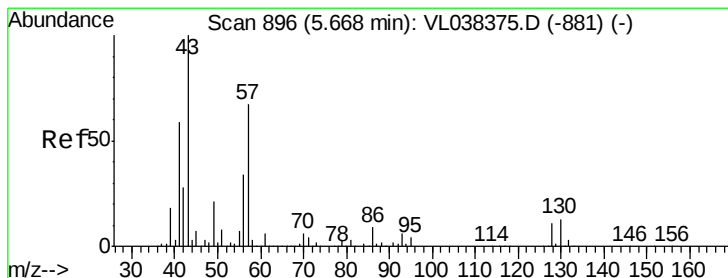
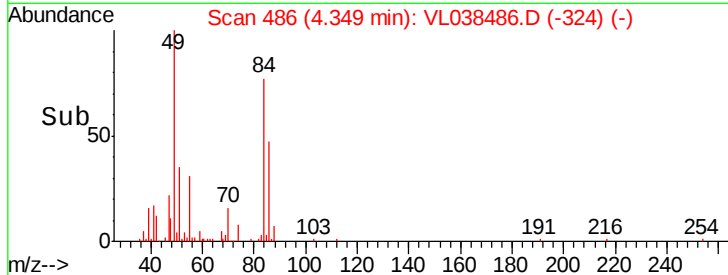
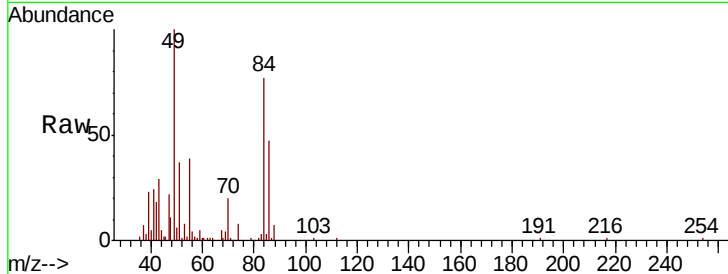
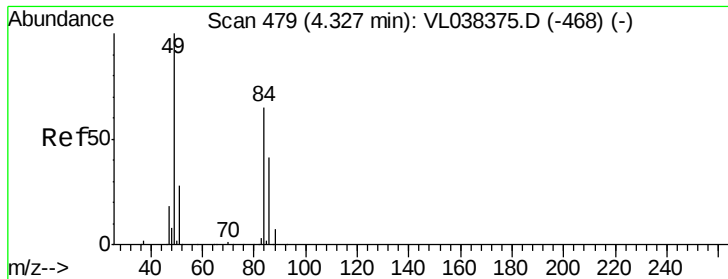
Tgt Ion: 45 Resp: 119612

Ion Ratio Lower Upper

45 100

58 572.0 1.8 2.8#





#20

Methvlene Chloride

Concen: 1.012 ppbv

RT: 4.35

Instrument: MSVOA_1

Delta R.T. 0.03

Lab File: ClientSampleId : SV-1

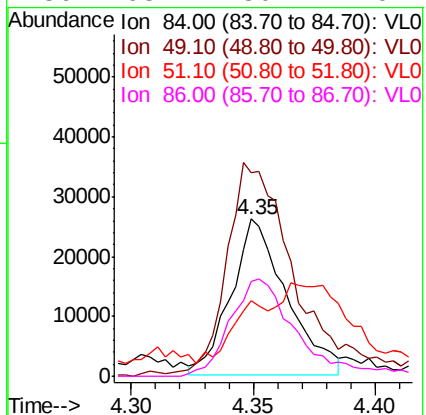
Acq: 2 Mar 2022 17:51

Tot Ion: 84.00 (83.70 to 84.70): VL0

Ion Ratio: 84 100, 49 134., 51 36., 86 63.1, 50.7, 76.1

Manual Integrations
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Supervised By :Mahesh Dadoda 03/07/2022



#26

Hexane

Concen: 19.394 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.03 min

Lab File: VL038486.D

Acq: 2 Mar 2022 17:51

Tgt Ion: 57 Resp: 1961522

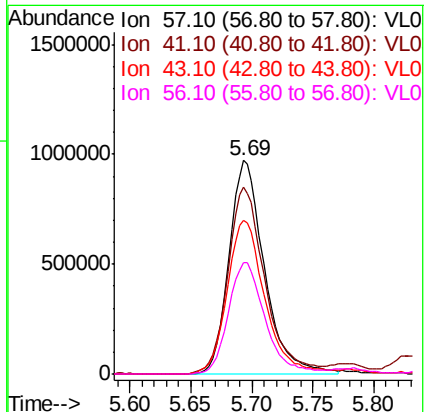
Ion Ratio Lower Upper

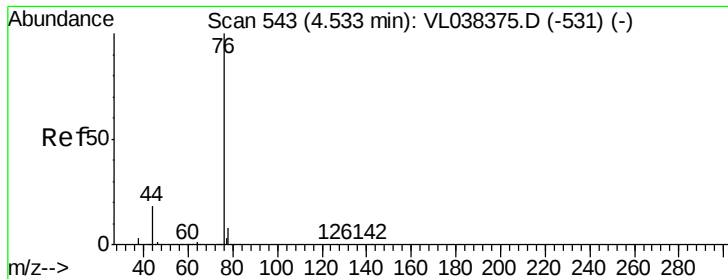
57 100

41 91.7 73.1 109.7

43 79.3 181.0 271.4#

56 54.2 43.4 65.0



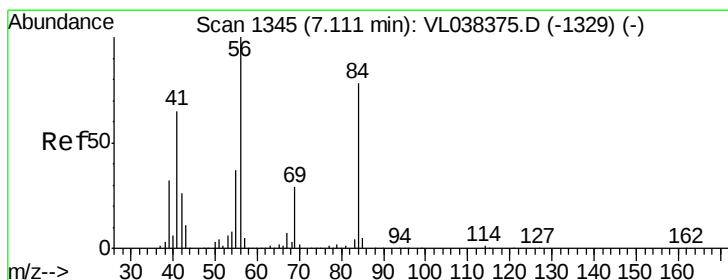
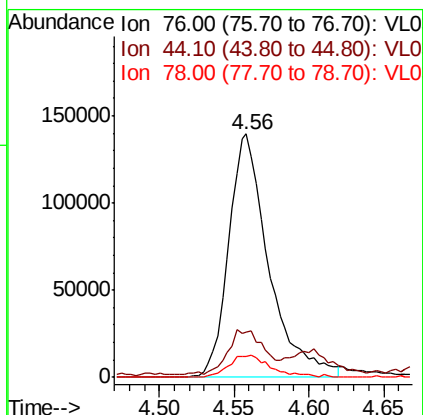
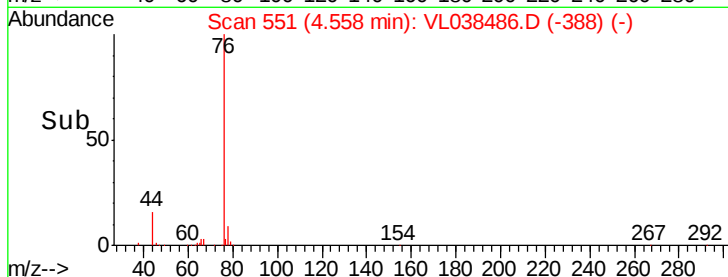
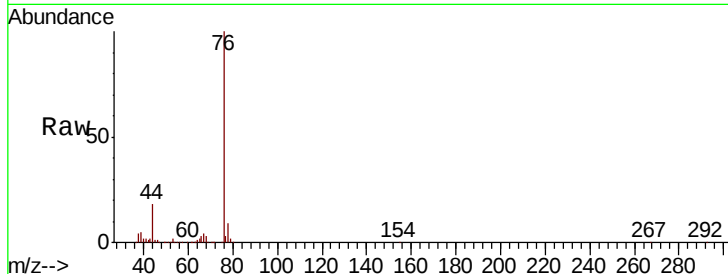


#27
Carbon Disulfide
Concen: 2.315 ppbv
RT: 4.56
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 17:51

Tot Ion:
Ion Ratio
76 100
44 18.
78 9.

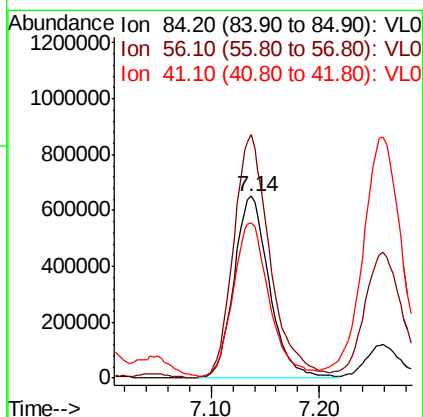
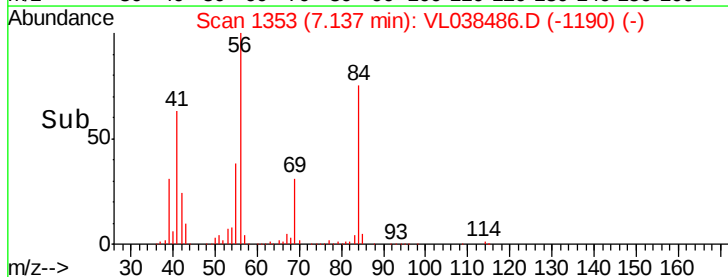
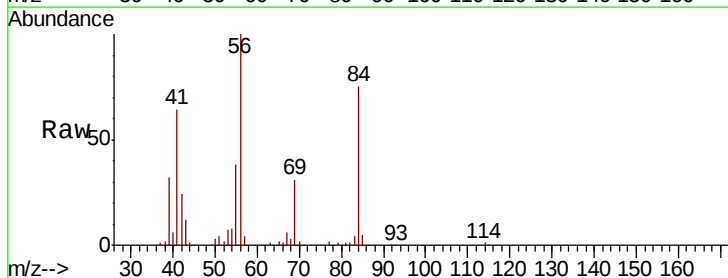
Manual Integrations
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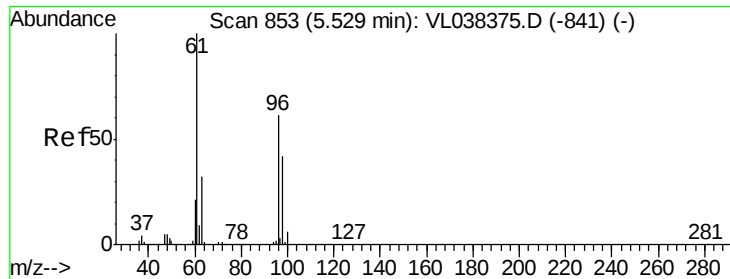
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#30
Cyclohexane
Concen: 17.964 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.03 min
Lab File: VL038486.D
Acq: 2 Mar 2022 17:51

Tgt Ion: 84 Resp: 1485935
Ion Ratio Lower Upper
84 100
56 137.1 116.2 174.4
41 86.1 74.3 111.5



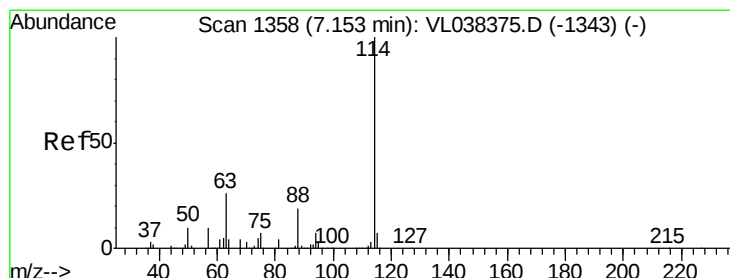
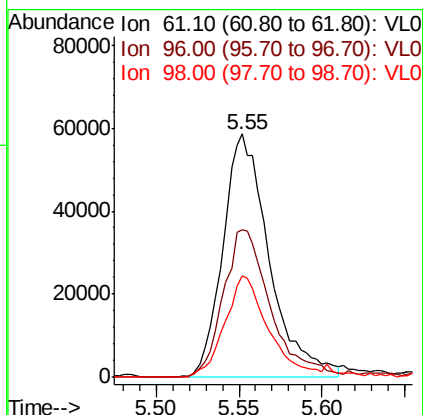
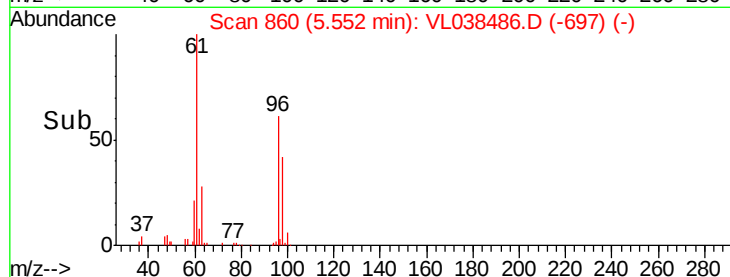
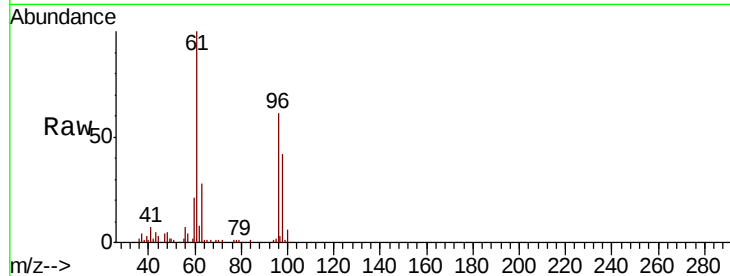


#31
 cis-1,2-Dichloroethene
 Concen: 1.162 ppbv
 RT: 5.55
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 17:51

Tot Ion:
 Ion Ratio
 61 100
 96 59.
 98 41.

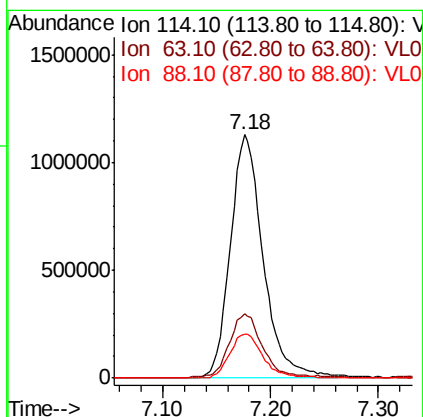
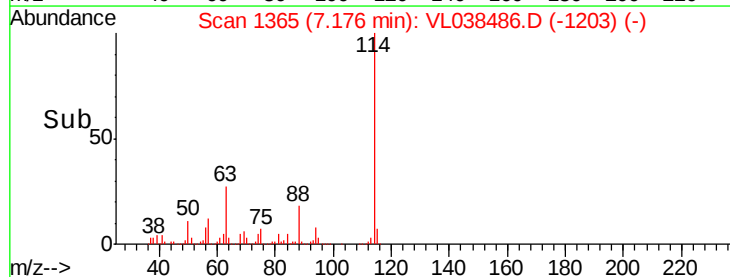
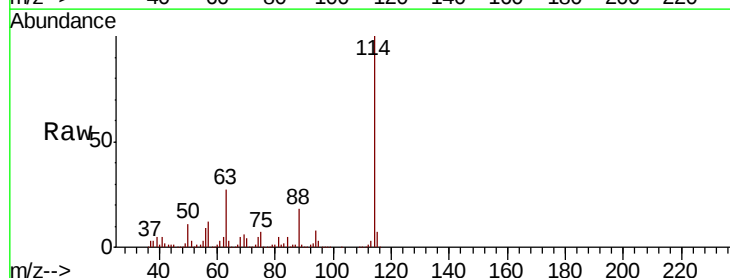
Manual Integrations
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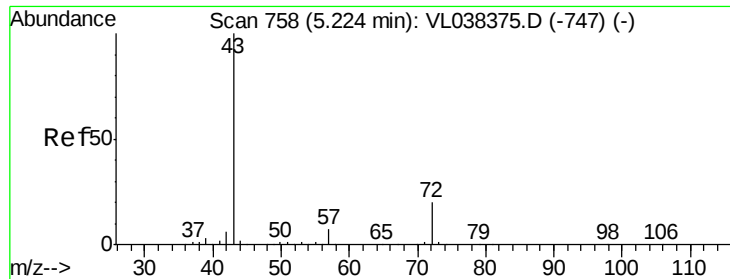
Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.02 min
 Lab File: VL038486.D
 Acq: 2 Mar 2022 17:51

Tgt Ion:114 Resp: 2395682
 Ion Ratio Lower Upper
 114 100
 63 27.7 22.2 33.2
 88 18.6 15.2 22.8



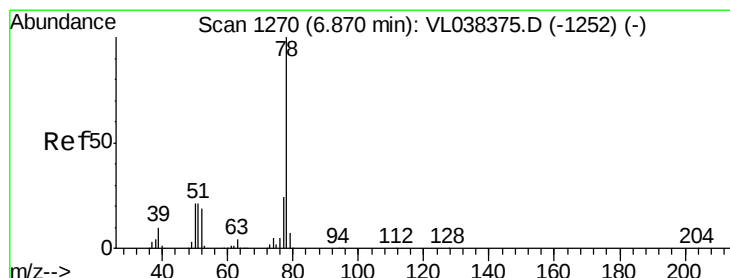
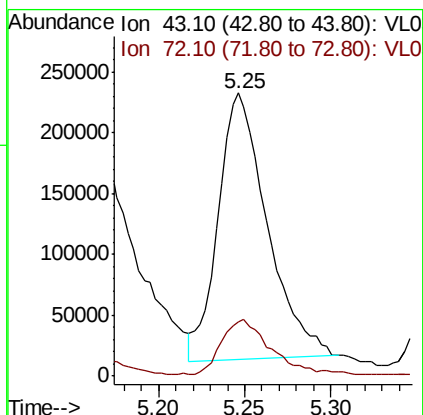
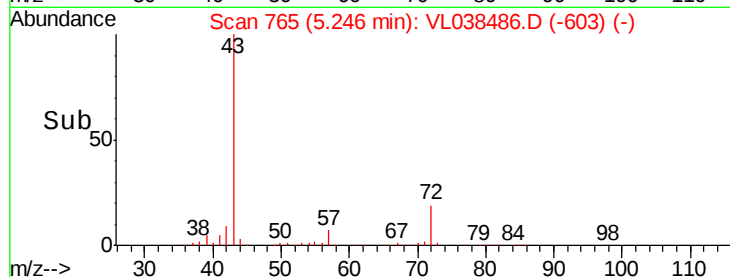
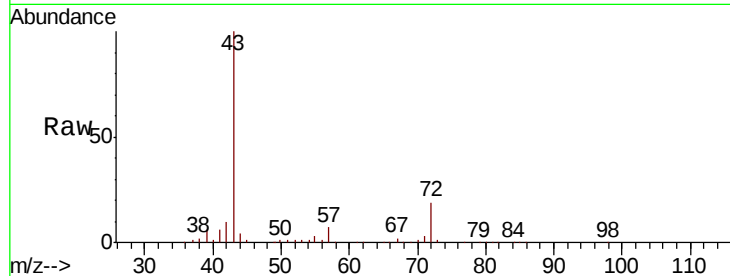


#34
2-Butanone
Concen: 5.765 ppbv
RT: 5.25
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 17:51

Tot Ion:
Ion Ratio
43 100
72 22.

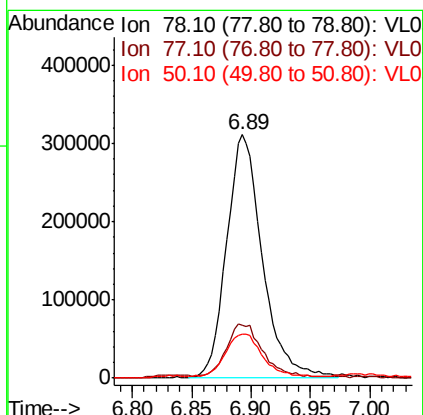
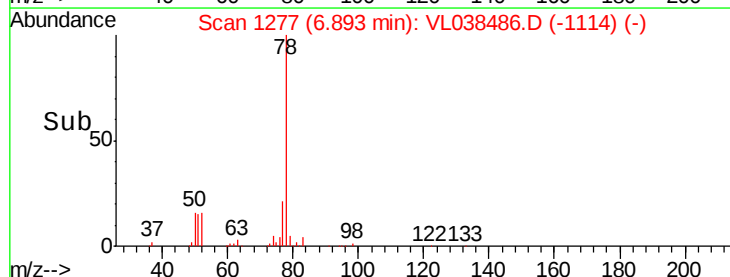
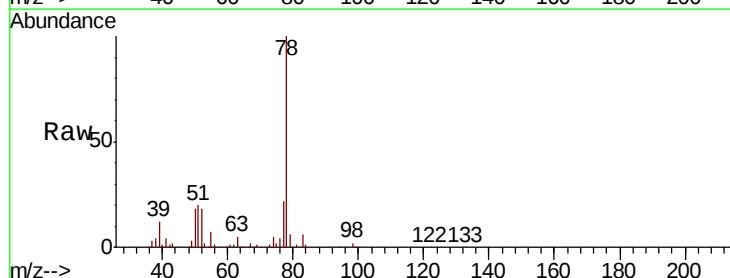
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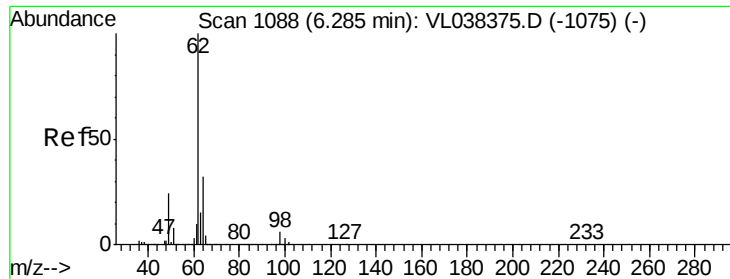
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#36
Benzene
Concen: 3.050 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.02 min
Lab File: VL038486.D
Acq: 2 Mar 2022 17:51

Tgt Ion: 78 Resp: 643211
Ion Ratio Lower Upper
78 100
77 21.0 19.0 28.6
50 17.4 16.6 24.8



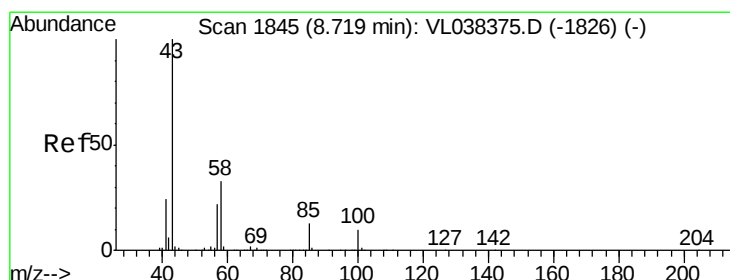
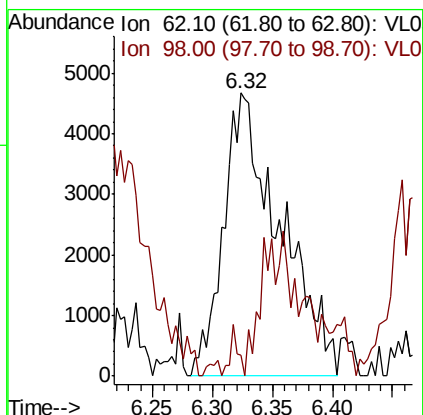
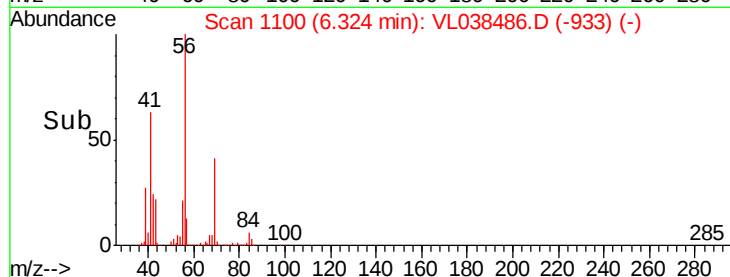
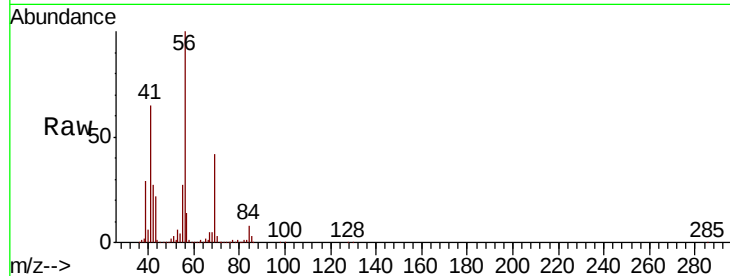


#37
 1,2-Dichloroethane
 Concen: 0.126 ppbv m
 RT: 6.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 17:51

Tot Ion:
 Ion Ratio
 62 100
 98 0.

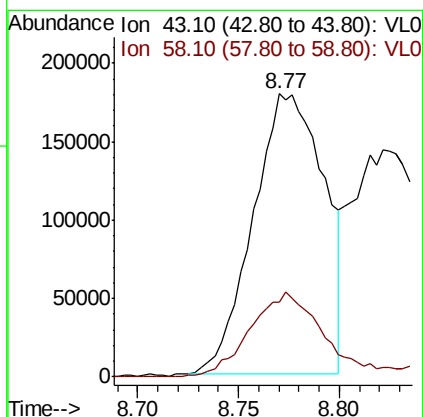
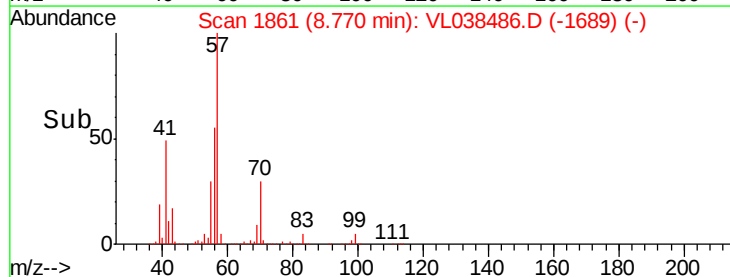
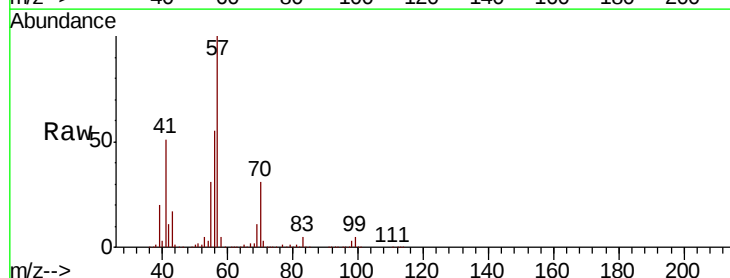
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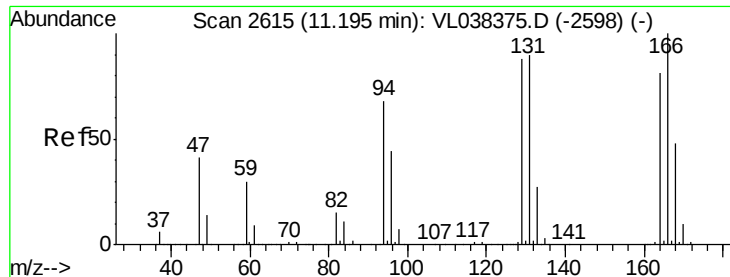
Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#50
 4-Methyl-2-Pentanone
 Concen: 3.293 ppbv
 RT: 8.77 min Scan# 1861
 Delta R.T. 0.05 min
 Lab File: VL038486.D
 Acq: 2 Mar 2022 17:51

Tgt Ion: 43 Resp: 438682
 Ion Ratio Lower Upper
 43 100
 58 30.9 27.7 41.5





#52

Tetrachloroethene

Concen: 0.350 ppbv m

RT: 11.23

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 17:51

Tot Ion:1

Ion Rati

164 100

166 120.

129 103.

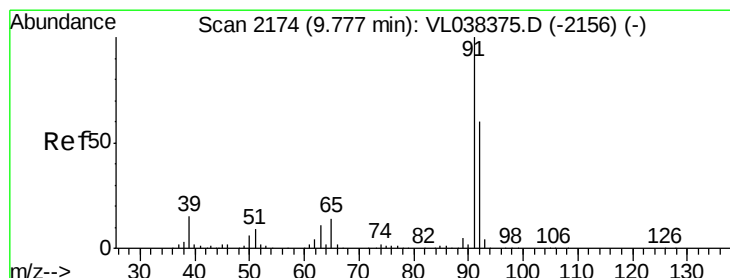
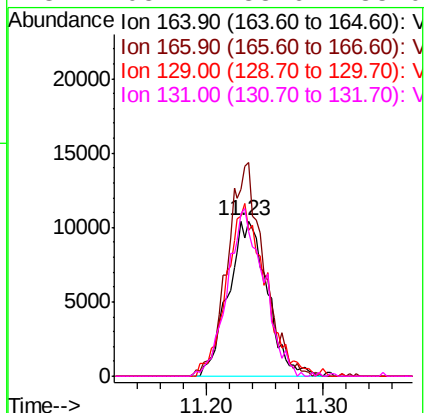
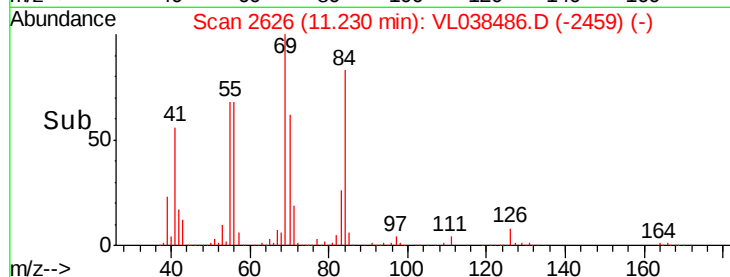
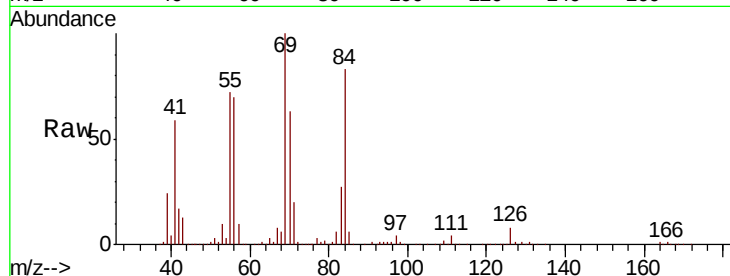
131 105.1 88.6 133.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#53

Toluene

Concen: 0.927 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.04 min

Lab File: VL038486.D

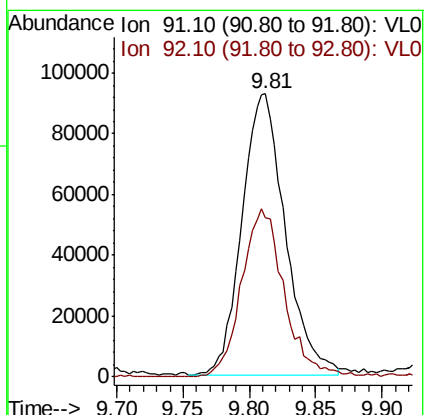
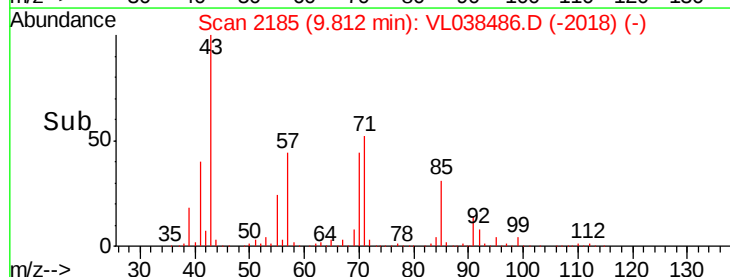
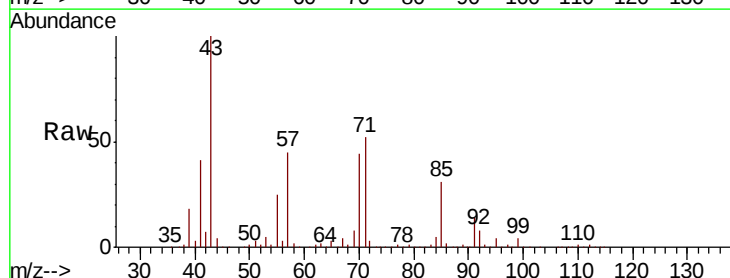
Acq: 2 Mar 2022 17:51

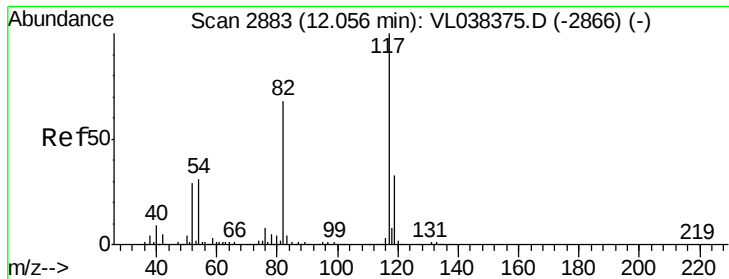
Tgt Ion: 91 Resp: 212278

Ion Ratio Lower Upper

91 100

92 58.9 48.2 72.4



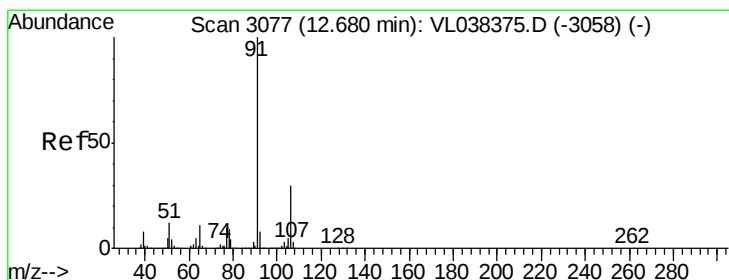
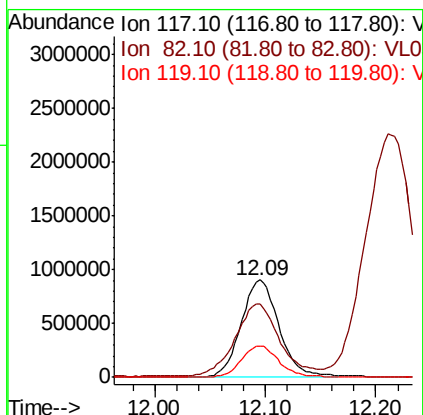
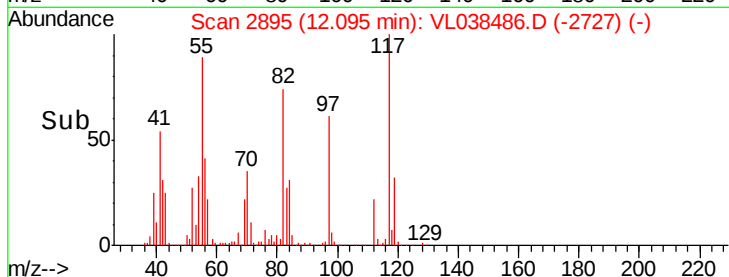
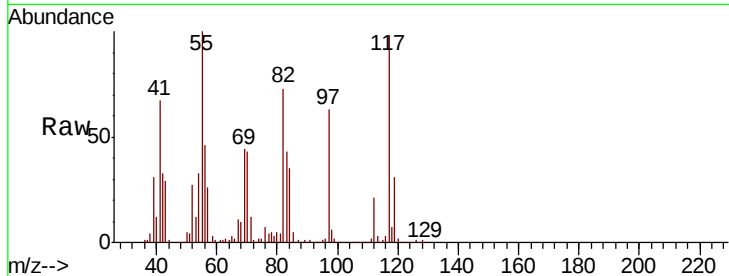


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 2 Mar 2022 17:51

Tot Ion: 1
Ion Ratio
117 100
82 88.
119 33.

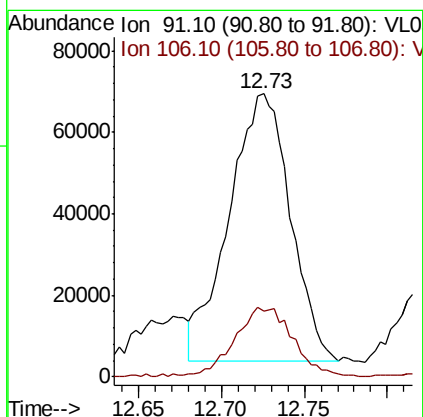
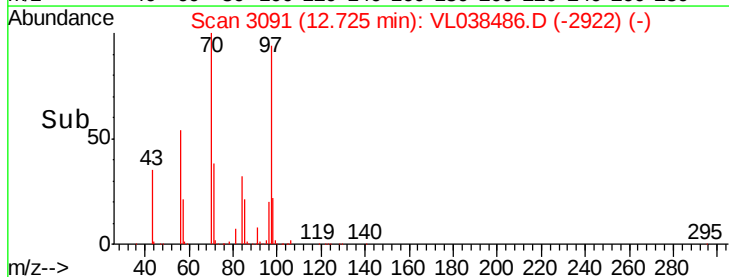
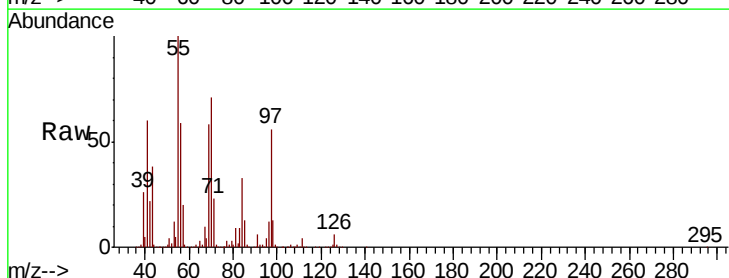
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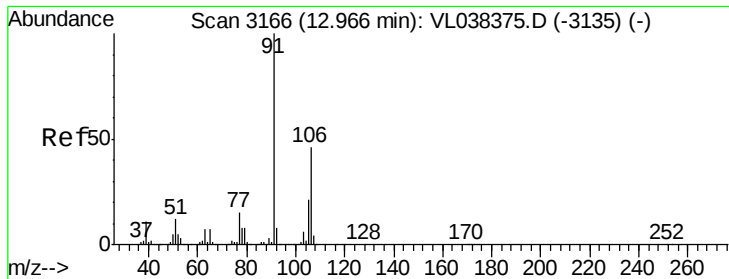
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#58
Ethyl Benzene
Concen: 0.573 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. 0.04 min
Lab File: VL038486.D
Acq: 2 Mar 2022 17:51

Tgt Ion: 91 Resp: 169272
Ion Ratio Lower Upper
91 100
106 23.9 24.0 36.0#



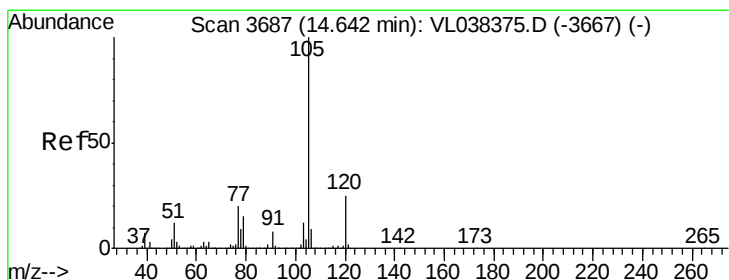
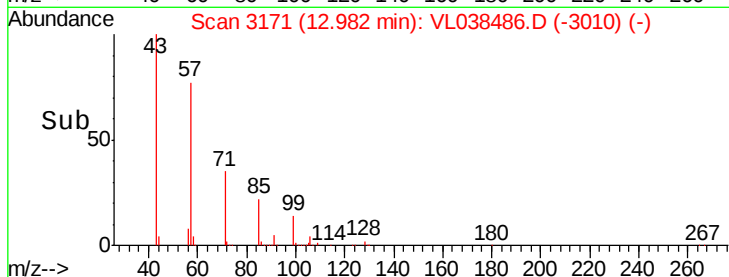
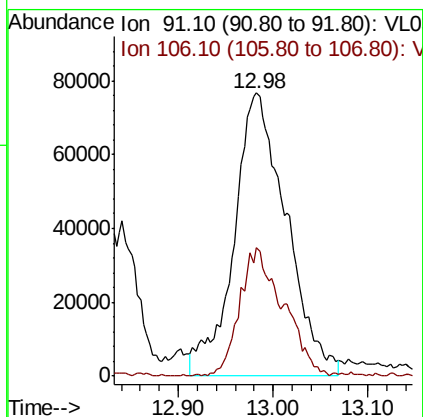
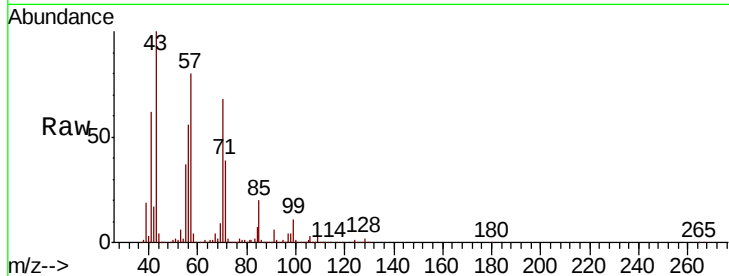


#59
m/p-Xylene
Concen: 1.163 ppbv m
RT: 12.98
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SV-1
Acq: 2 Mar 2022 17:51

Tot Ion:
Ion Ratio
91 100
106 0.

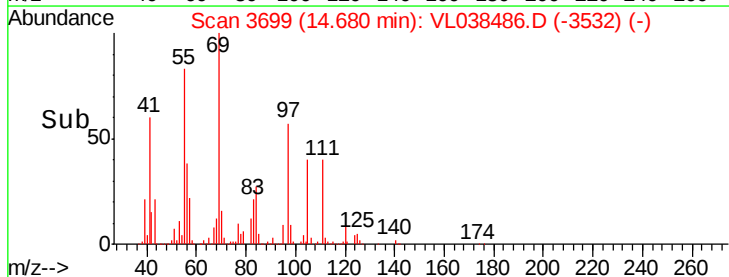
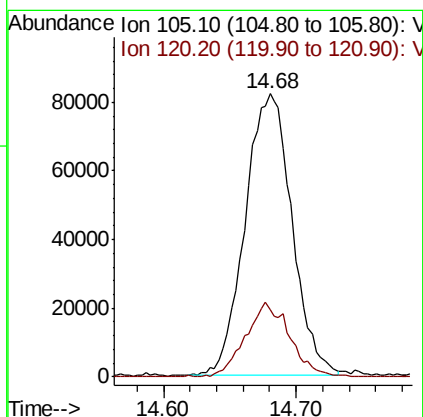
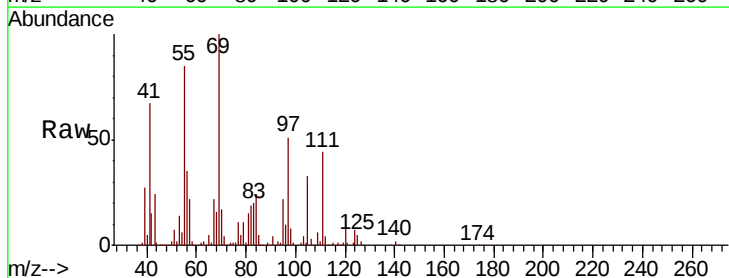
Manual Integrations
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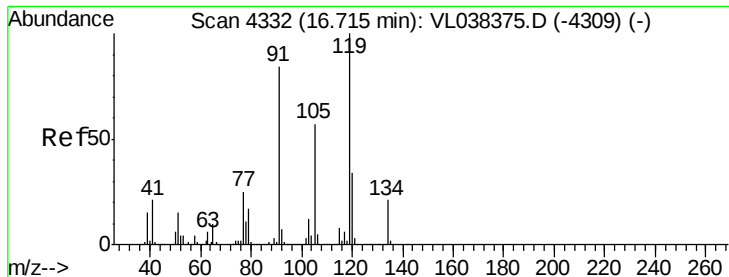
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#62
Isopropylbenzene
Concen: 0.626 ppbv
RT: 14.68 min Scan# 3699
Delta R.T. 0.04 min
Lab File: VL038486.D
Acq: 2 Mar 2022 17:51

Tgt Ion:105 Resp: 201561
Ion Ratio Lower Upper
105 100
120 24.9 20.6 30.8





#65

tert-Butylbenzene

Concen: 0.126 ppbv

RT: 16.74 min

Delta R.T. 0.04 min

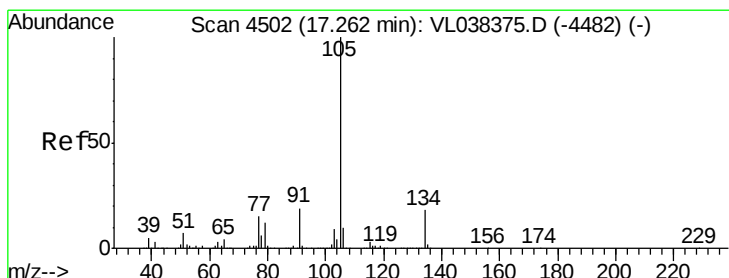
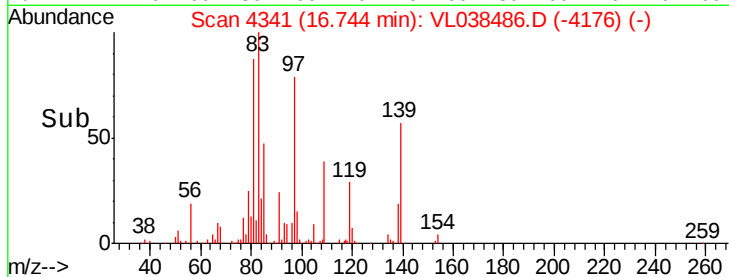
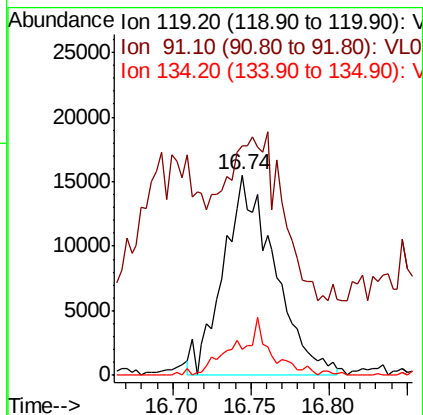
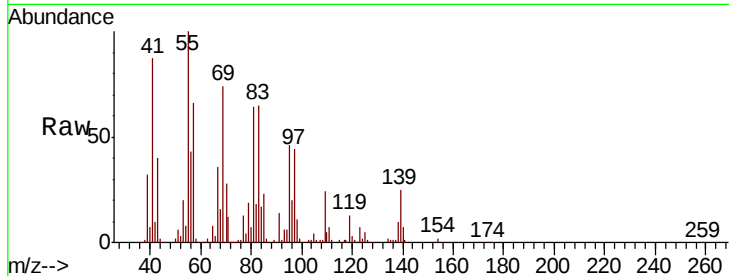
Lab File: VL038486.D

Acq: 2 Mar 2022 17:51

Tot Ion: 1
Ion Ratio
119 100
91 95.1
134 0.0

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



#67

sec-Butylbenzene

Concen: 0.183 ppbv

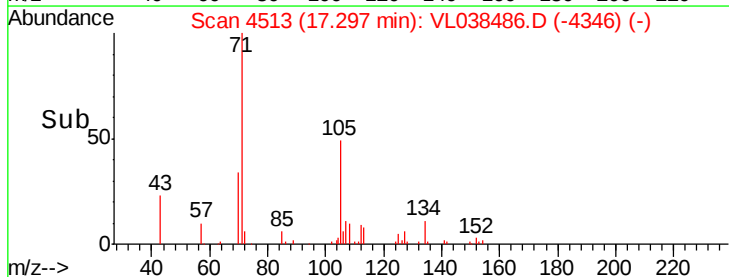
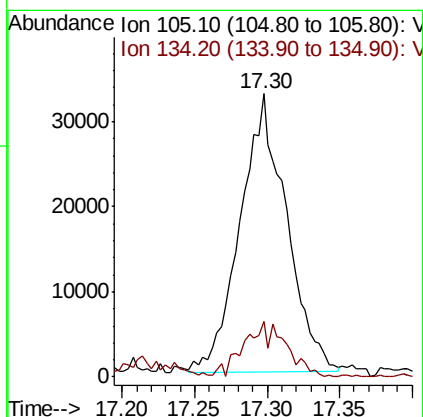
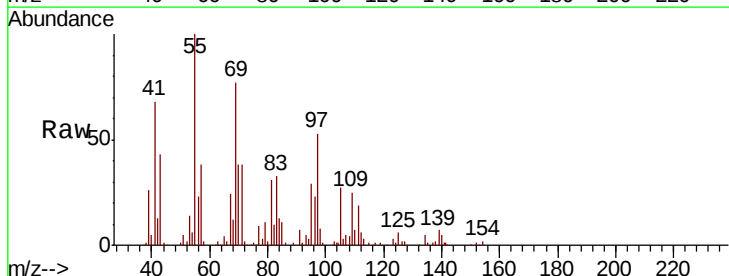
RT: 17.30 min Scan# 4513

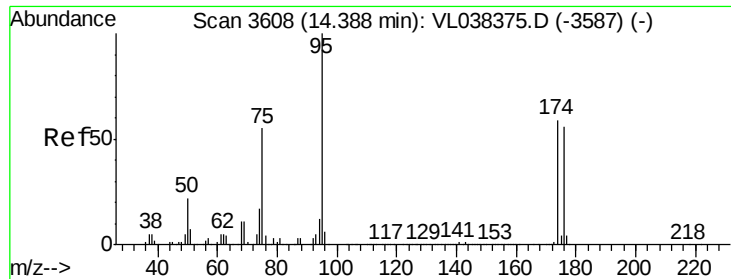
Delta R.T. 0.04 min

Lab File: VL038486.D

Acq: 2 Mar 2022 17:51

Tgt Ion: 105 Resp: 72435
Ion Ratio Lower Upper
105 100
134 18.4 14.6 21.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 27.212 ppbv
 RT: 14.42
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 SV-1
 Acq: 2 Mar 2022 17:51

Tot Ion:
 Ion Rati
 95 100
 174 22.
 175 1.

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

