

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
 Data File : VL038452.D
 Acq On : 1 Mar 2022 15:49
 Operator : SY/AP
 Sample : N1702-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/02/2022
 Supervised By : Mahesh Dadoda 03/02/2022

Quant Time: Mar 02 03:50:38 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222A

Quant Title : AIR ANALYSIS BY METHOD T0-15 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	856410	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	2130664	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	1916124	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1529376	9.65	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

Target Compounds

						Qvalue
4) Chloromethane	3.15	50	10566m	0.20	ppbv	
8) Dichlorotetrafluoroethane	3.20	85	13542	0.11	ppbv	98
9) Propene	3.03	41	128294	2.57	ppbv #	80
10) Heptane	8.12	43	43222	0.36	ppbv	97
11) Trichlorofluoromethane	3.96	101	15911	0.12	ppbv	97
13) Ethanol	3.62	45	65574	13.16	ppbv	100
15) Acetone	3.85	43	792925	10.89	ppbv	99
17) tert-Butyl alcohol	4.31	59	15918	0.22	ppbv #	91
19) Isopropyl Alcohol	3.98	45	31935m	0.76	ppbv	
20) Methylene Chloride	4.35	84	45875	1.27	ppbv	91
26) Hexane	5.69	57	1281340	14.46	ppbv #	42
27) Carbon Disulfide	4.56	76	9676	0.10	ppbv #	88
29) Chloroform	5.75	83	407562	2.82	ppbv	97
30) Cyclohexane	7.13	84	14353	0.20	ppbv #	8
34) 2-Butanone	5.26	43	40255	0.60	ppbv #	83
36) Benzene	6.89	78	33140	0.18	ppbv #	82
38) Trichloroethene	7.83	130	20981	0.31	ppbv	91
42) Bromodichloromethane	7.79	83	57887	0.37	ppbv #	95
52) Tetrachloroethene	11.22	164	1057808	16.99	ppbv	96
53) Toluene	9.80	91	1783048	8.76	ppbv	99
58) Ethyl Benzene	12.71	91	29338m	0.11	ppbv	
59) m/p-Xylene	12.96	91	67515m	0.30	ppbv	
60) o-Xylene	13.69	91	38778m	0.18	ppbv	

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

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Instrument :
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ClientSampleId :
SVP-1

Manual Integrations
APPROVED

Quant Time: Mar 02 03:50:38 2022

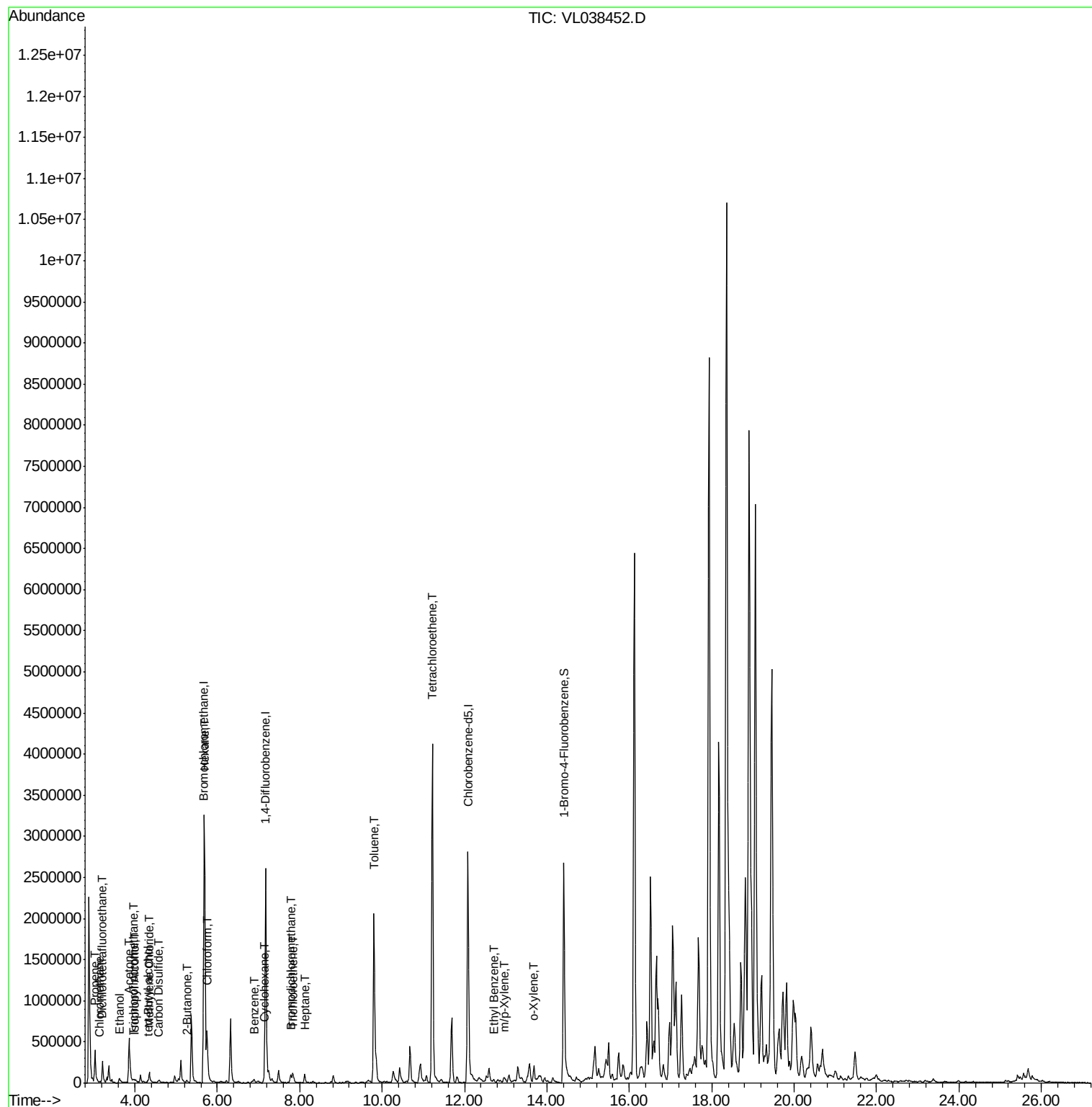
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222

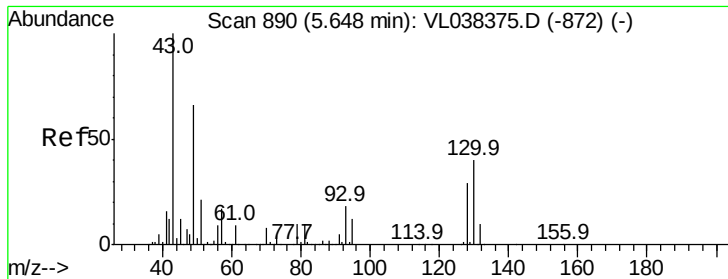
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

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

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Mar 2022 15:49 SVP-1

Tgt Ion:

Ion Ratio

49 100

128 47.

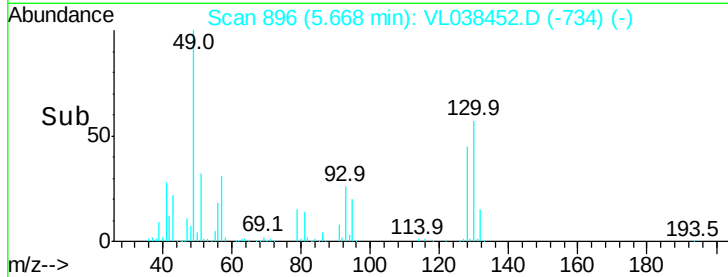
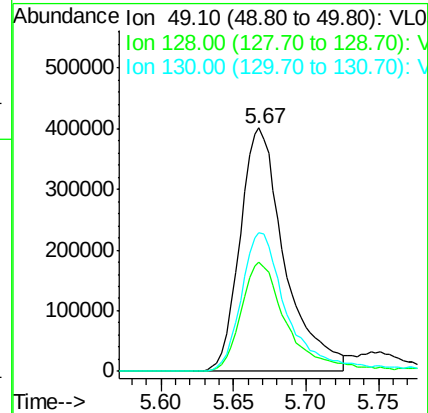
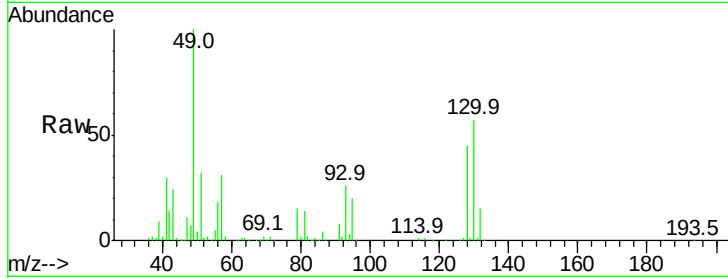
130 60.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/02/2022

Supervised By :Mahesh Dadoda 03/02/2022



#4

Chloromethane

Concen: 0.20 ppbv m

RT: 3.15 min Scan# 113

Delta R.T. 0.02 min

Lab File: VL038452.D

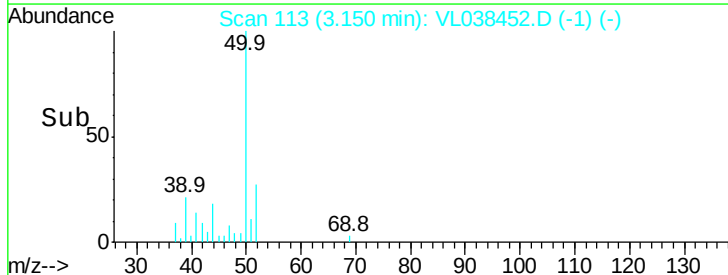
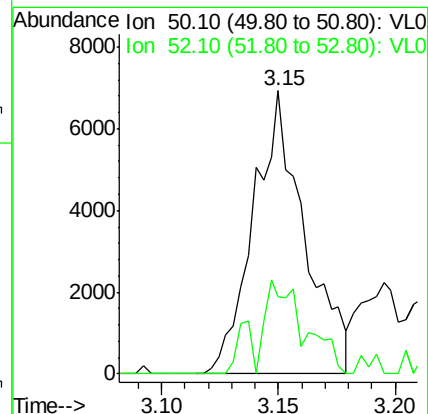
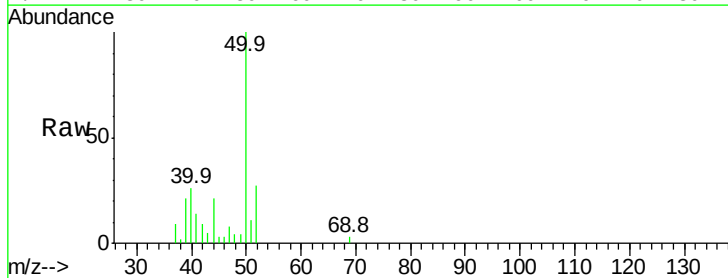
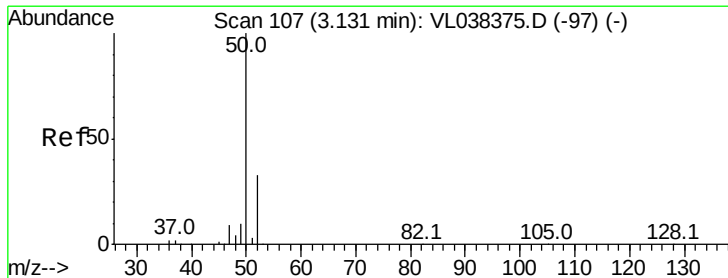
Acq: 1 Mar 2022 15:49

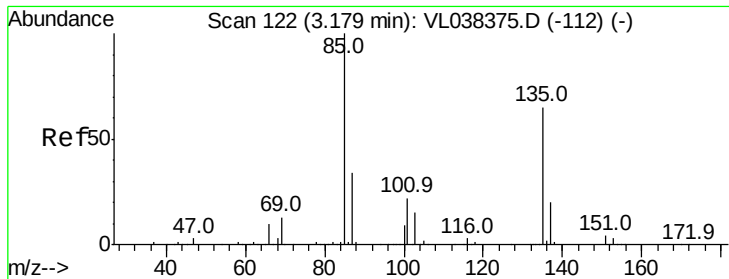
Tgt Ion: 50 Resp: 10566

Ion Ratio Lower Upper

50 100

52 27.2 26.5 39.7





#8

Dichlorotetrafluoroethane

Concen: 0.11 ppbv

RT: 3.20 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Mar 2022 15:49 SVP-1

Tgt Ion:

Ion Ratio

85 100

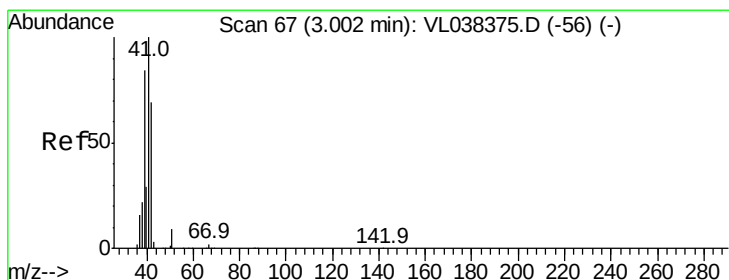
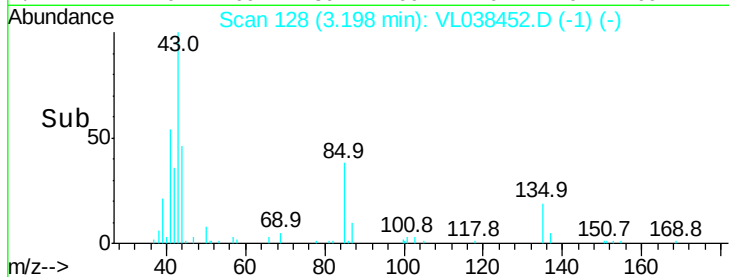
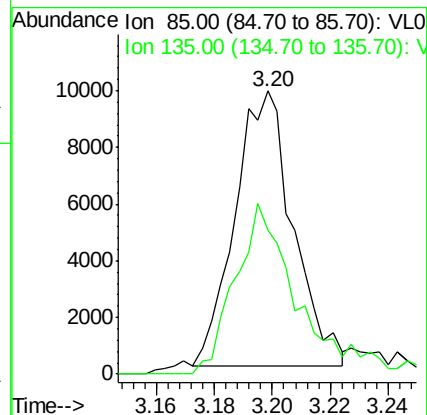
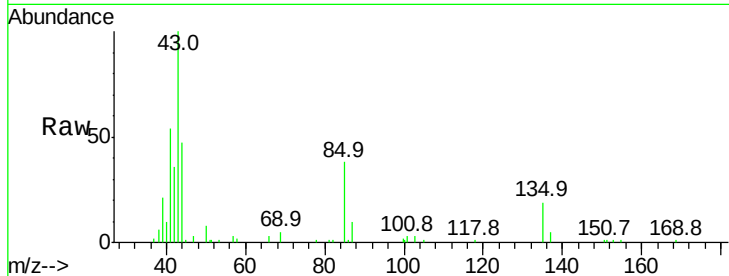
135 69.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/02/2022

Supervised By :Mahesh Dadoda 03/02/2022



#9

Propene

Concen: 2.57 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.03 min

Lab File: VL038452.D

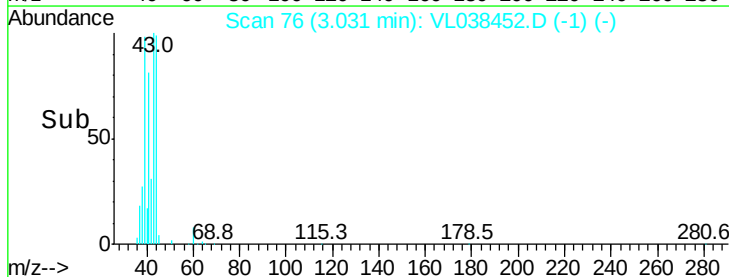
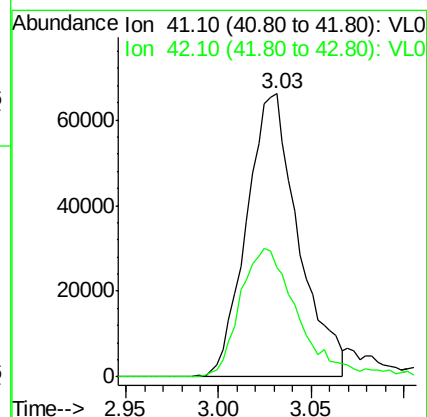
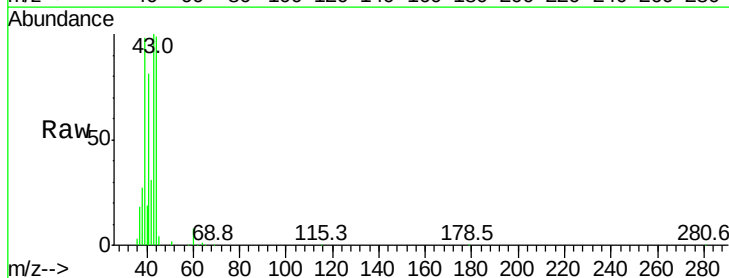
Acq: 1 Mar 2022 15:49

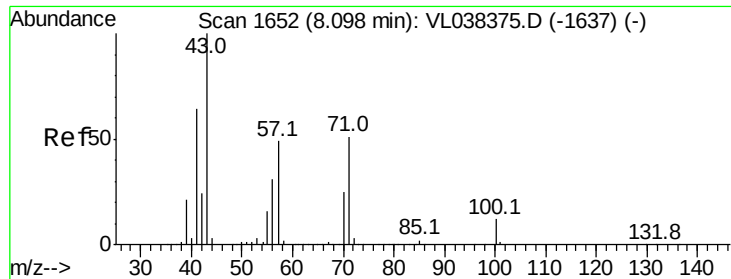
Tgt Ion: 41 Resp: 128294

Ion Ratio Lower Upper

41 100

42 51.9 54.6 82.0#



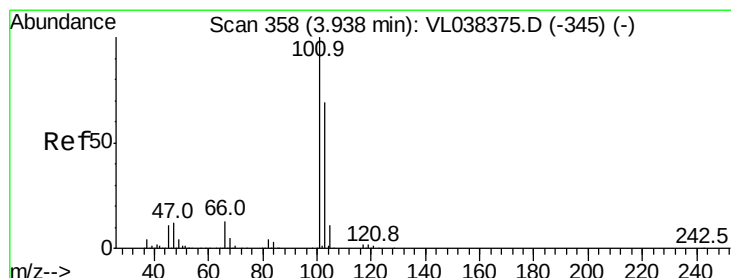
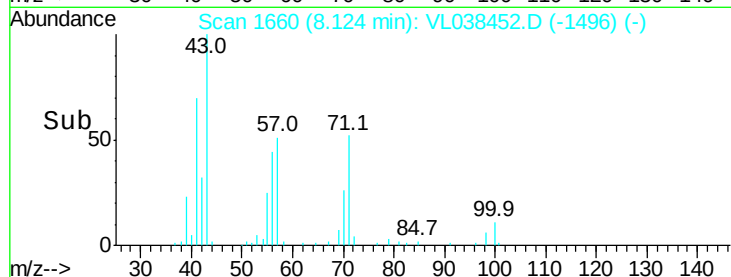
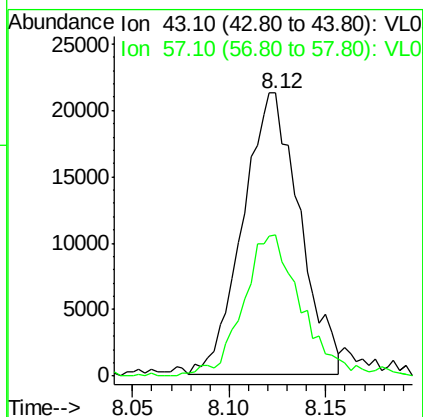
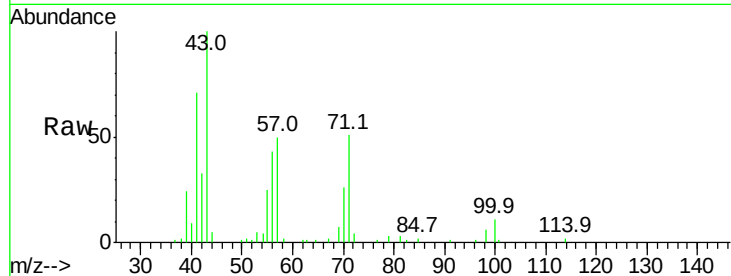


#10
Heptane
Concen: 0.36 ppbv
RT: 8.12
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SVP-1
Acq: 1 Mar 2022 15:49

Tgt Ion:
Ion Ratio
43 100
57 52.

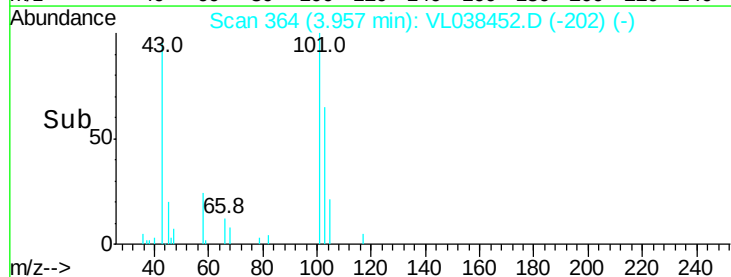
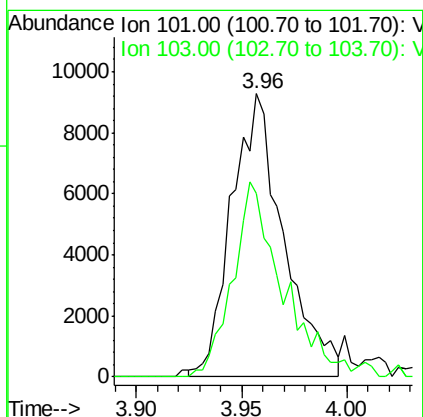
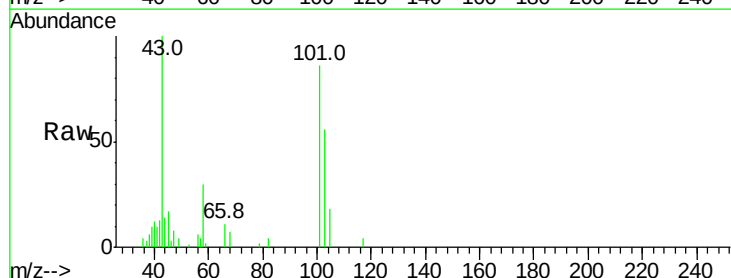
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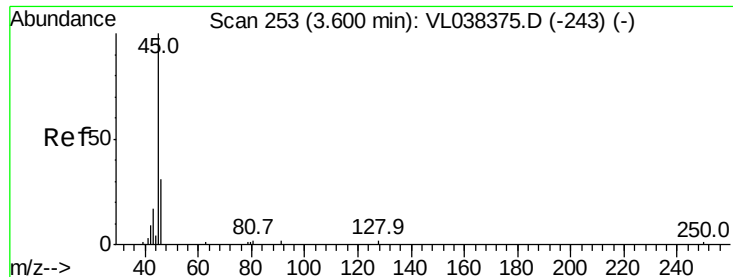
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#11
Trichlorofluoromethane
Concen: 0.12 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.02 min
Lab File: VL038452.D
Acq: 1 Mar 2022 15:49

Tgt Ion:101 Resp: 15911
Ion Ratio Lower Upper
101 100
103 66.6 55.0 82.4



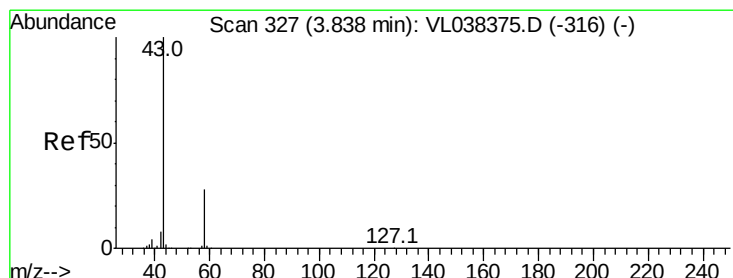
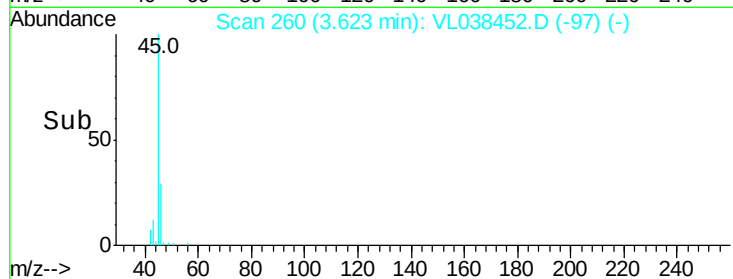
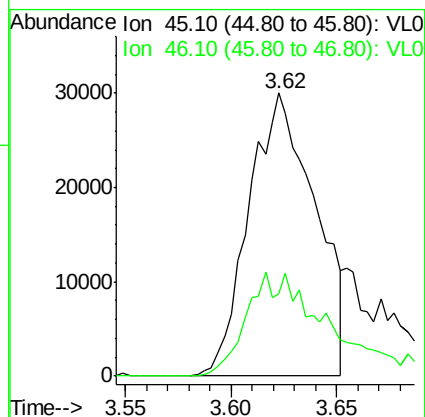
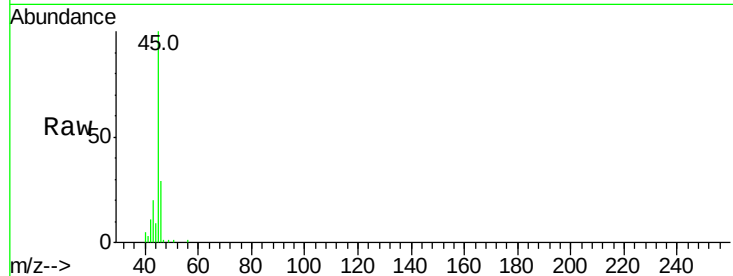


#13
Ethanol
Concen: 13.16 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 1 Mar 2022 15:49

Tgt Ion:
Ion Ratio
45 100
46 45.

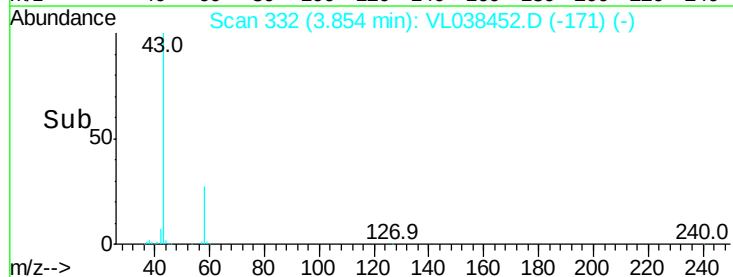
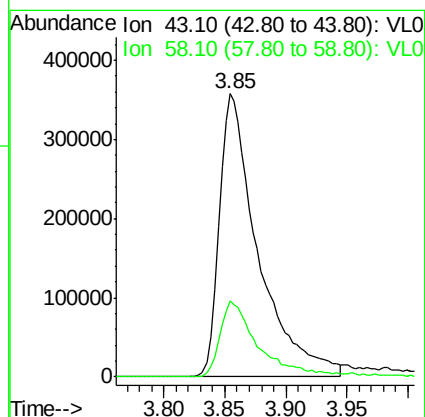
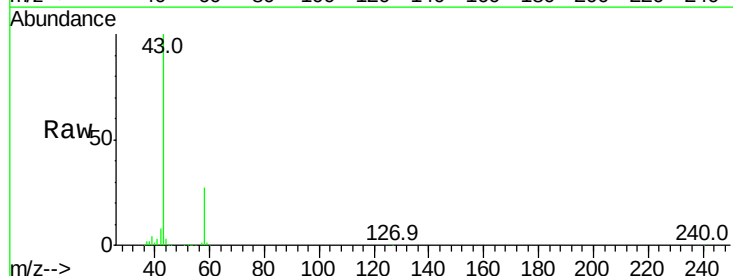
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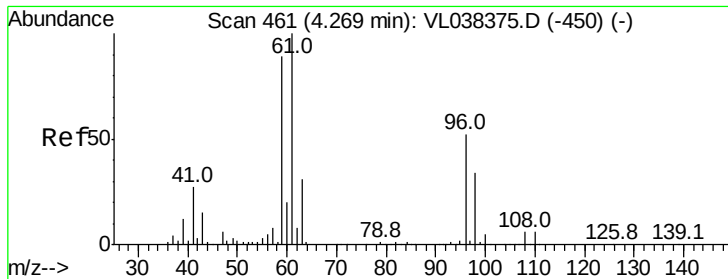
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#15
Acetone
Concen: 10.89 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL038452.D
Acq: 1 Mar 2022 15:49

Tgt Ion: 43 Resp: 792925
Ion Ratio Lower Upper
43 100
58 27.5 21.7 32.5



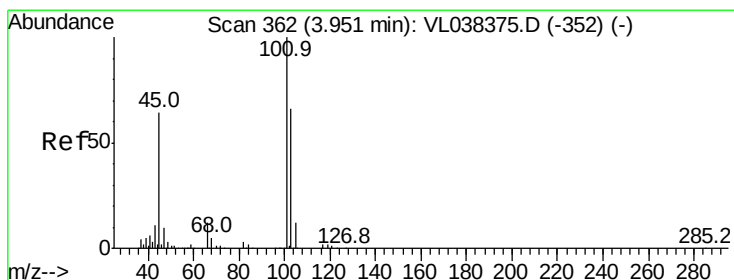
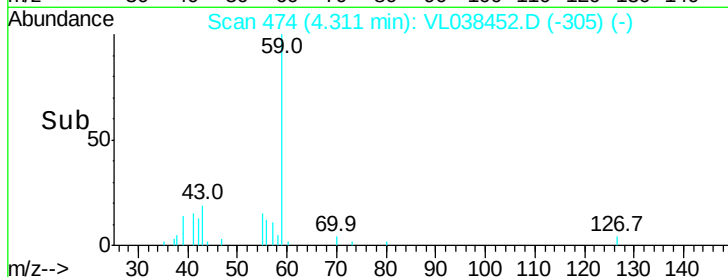
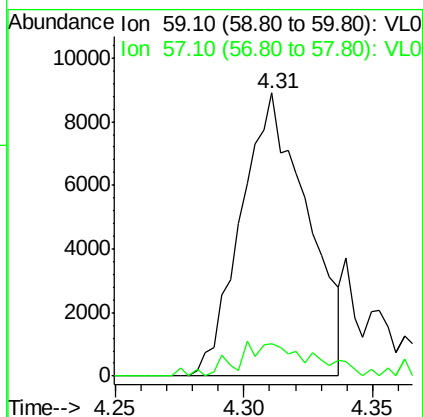
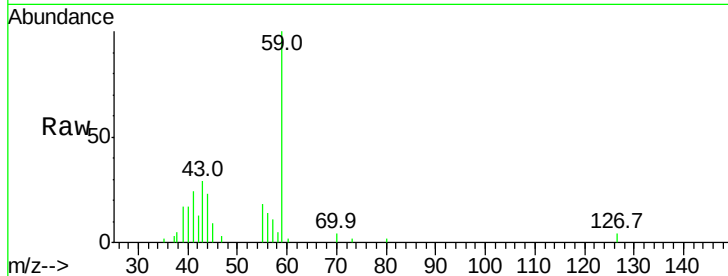


#17
 tert-Butyl alcohol
 Concen: 0.22 ppbv
 RT: 4.31
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 SVP-1
 Acq: 1 Mar 2022 15:49

Tgt Ion:
 Ion Ratio
 59 100
 57 13.

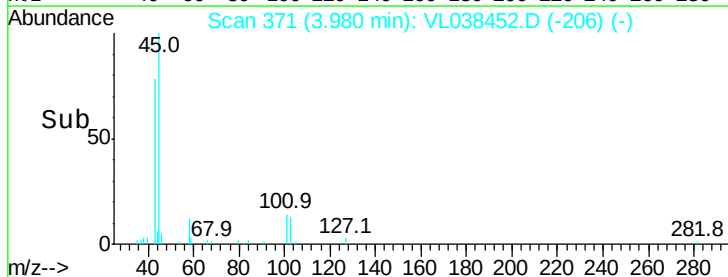
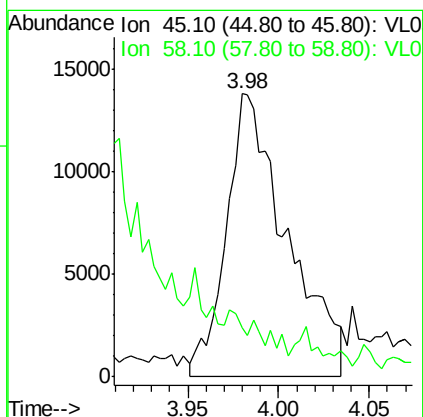
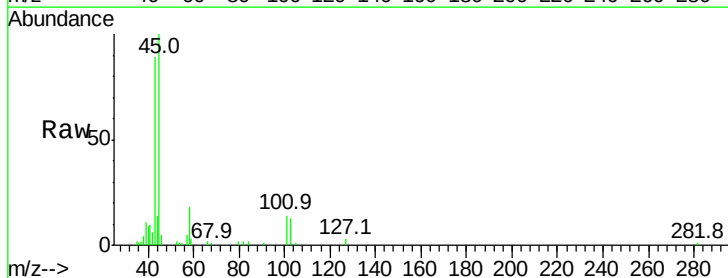
Manual Integrations
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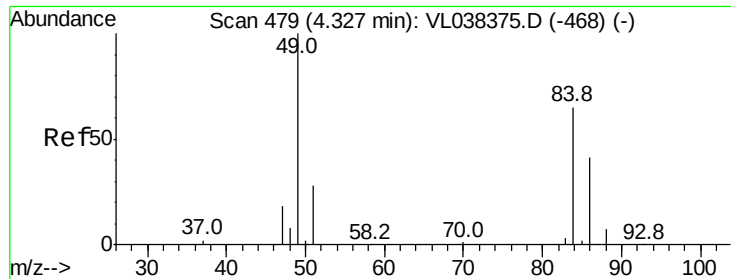
Reviewed By :Semsettin Yesilyurt 03/02/2022
 Supervised By :Mahesh Dadoda 03/02/2022



#19
 Isopropyl Alcohol
 Concen: 0.76 ppbv m
 RT: 3.98 min Scan# 371
 Delta R.T. 0.03 min
 Lab File: VL038452.D
 Acq: 1 Mar 2022 15:49

Tgt Ion: 45 Resp: 31935
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.8 2.8#



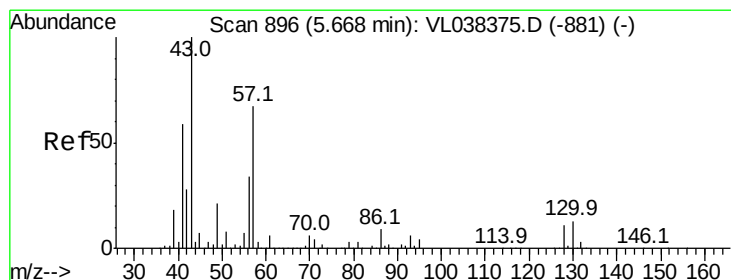
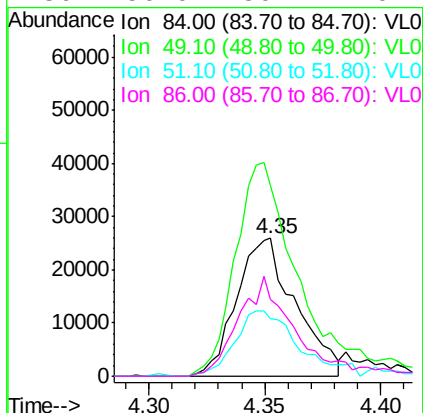
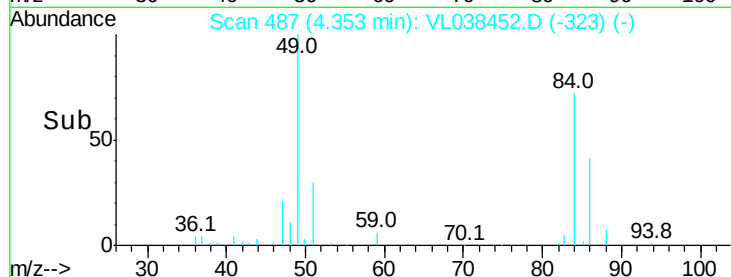
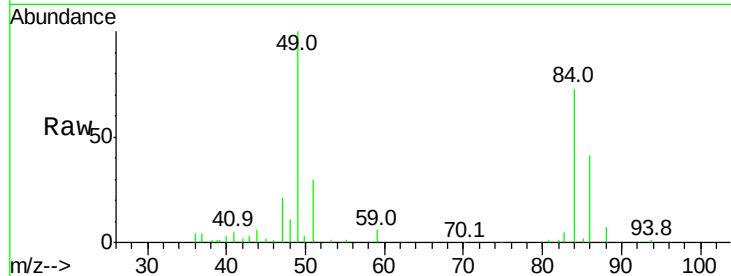


#20
Methylene Chloride
Concen: 1.27 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 1 Mar 2022 15:49

Tgt Ion: 84.00 (83.70 to 84.70): VL0
Ion Ratio
84 100
49 137.
51 41.
86 56.0 50.7 76.1

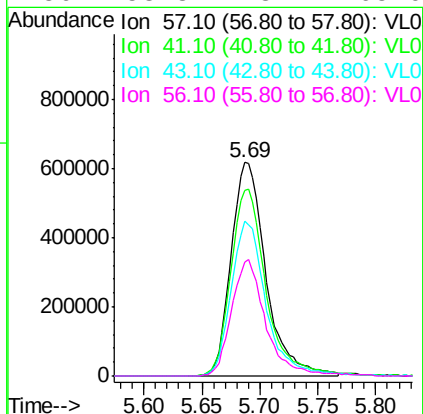
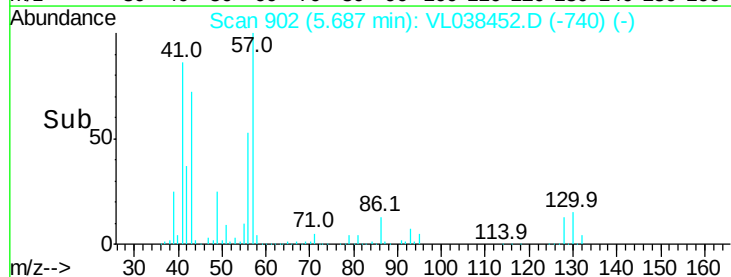
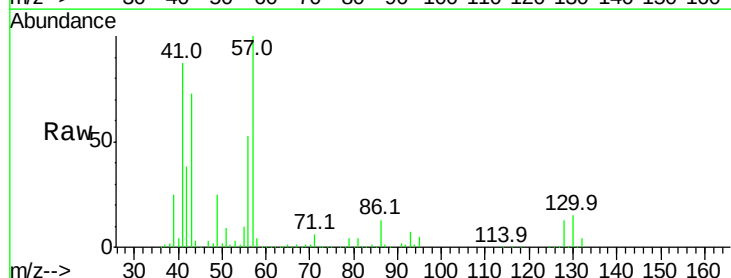
Manual Integrations
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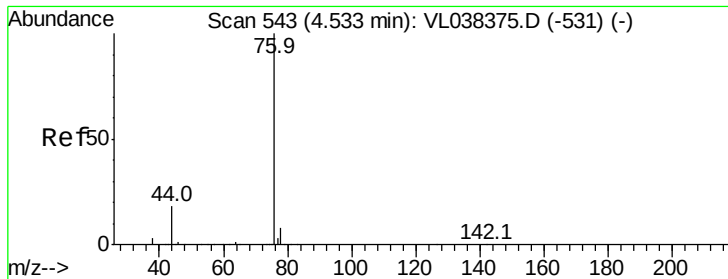
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#26
Hexane
Concen: 14.46 ppbv
RT: 5.69 min Scan# 902
Delta R.T.: 0.02 min
Lab File: VL038452.D
Acq: 1 Mar 2022 15:49

Tgt Ion: 57 Resp: 1281340
Ion Ratio Lower Upper
57 100
41 89.6 73.1 109.7
43 73.0 181.0 271.4#
56 53.8 43.4 65.0





#27

Carbon Disulfide

Concen: 0.10 ppbv

RT: 4.56 Instrument: MSVOA_1

Delta R.T. 0.02 min

Lab File: ClientSampleId: SVP-1

Acq: 1 Mar 2022 15:49

Tgt Ion:

Ion Ratio

76 100

44 24.

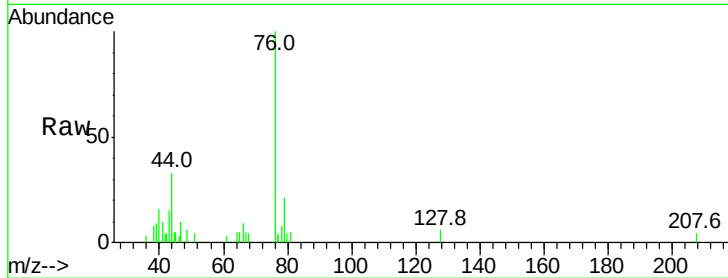
78 12.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/02/2022

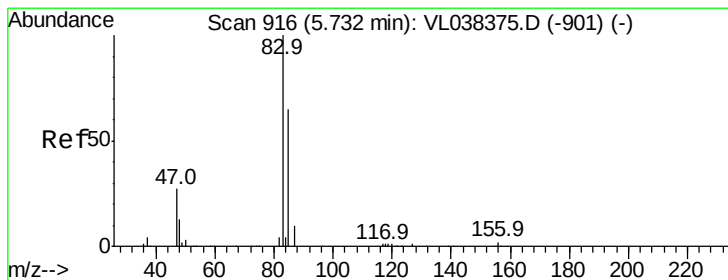
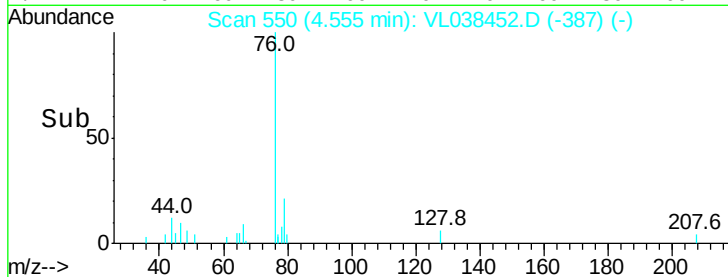
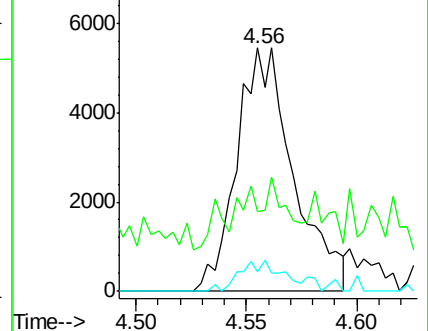
Supervised By :Mahesh Dadoda 03/02/2022



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#29

Chloroform

Concen: 2.82 ppbv

RT: 5.75 min Scan# 922

Delta R.T. 0.02 min

Lab File: VL038452.D

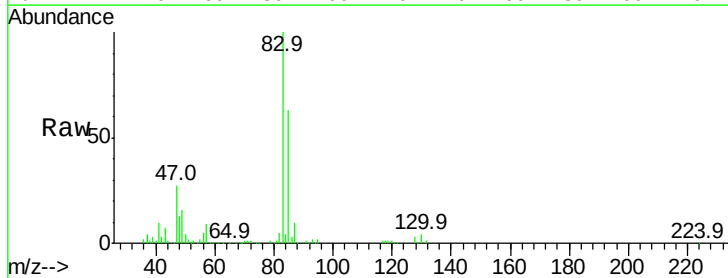
Acq: 1 Mar 2022 15:49

Tgt Ion: 83 Resp: 407562

Ion Ratio Lower Upper

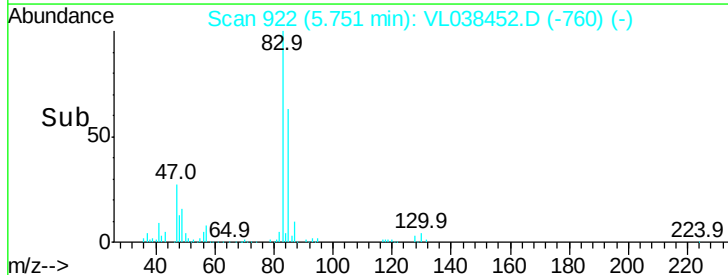
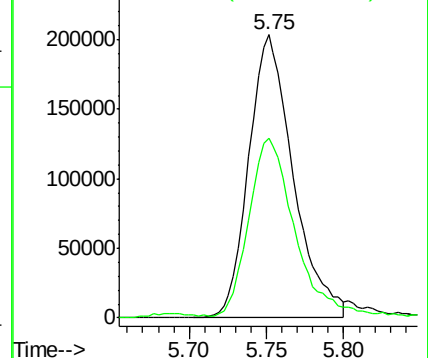
83 100

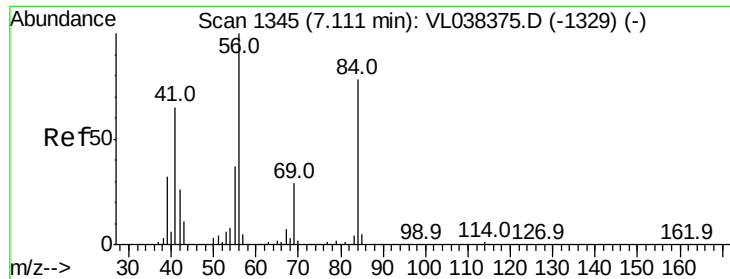
85 62.1 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



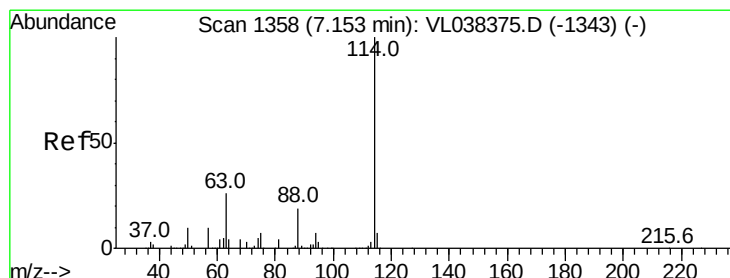
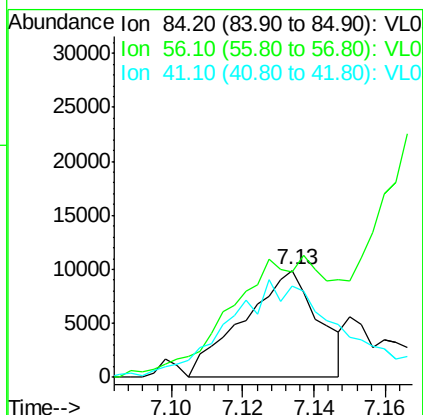
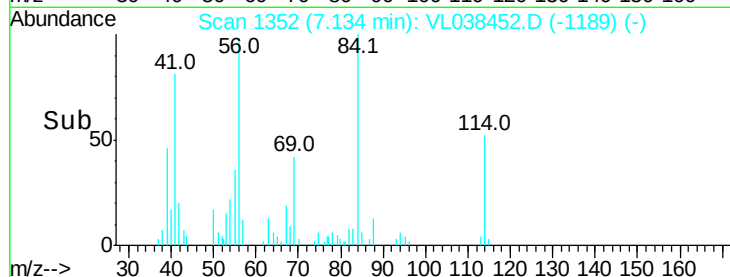
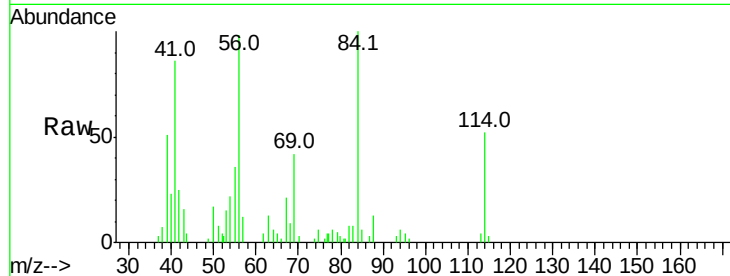


#30
Cyclohexane
Concen: 0.20 ppbv
RT: 7.13
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 1 Mar 2022 15:49

Tgt Ion:
Ion Ratio
84 100
56 0.
41 144.

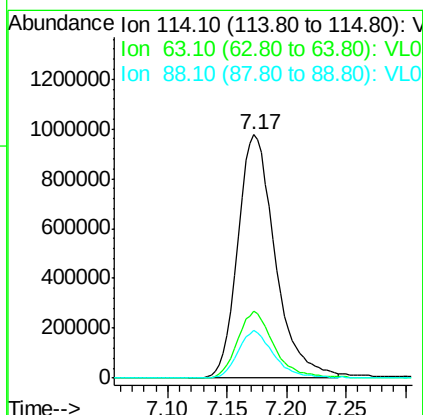
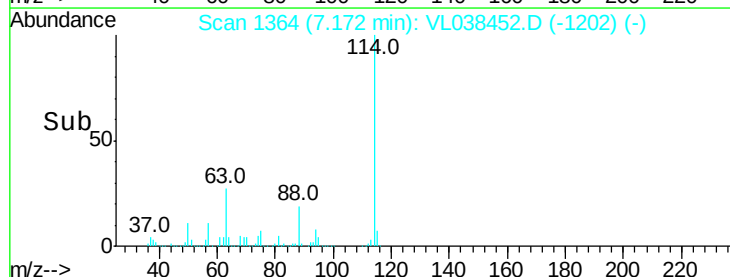
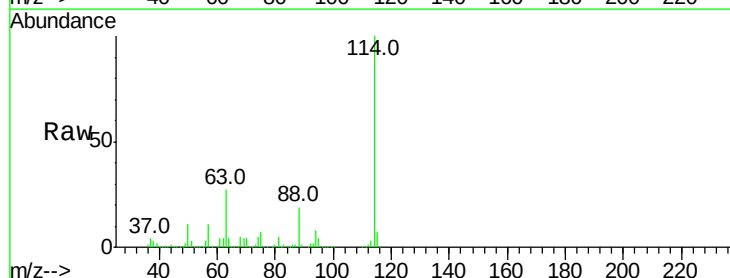
Manual Integrations
APPROVED

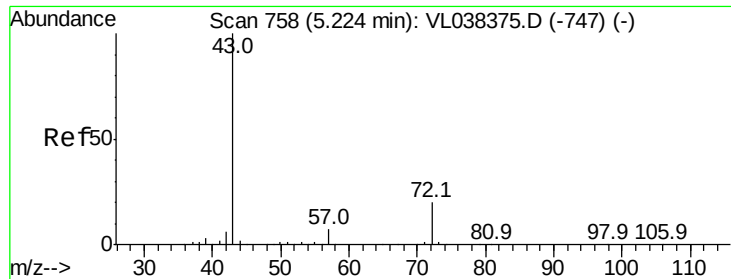
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.02 min
Lab File: VL038452.D
Acq: 1 Mar 2022 15:49

Tgt Ion:114 Resp: 2130664
Ion Ratio Lower Upper
114 100
63 27.2 22.2 33.2
88 19.0 15.2 22.8



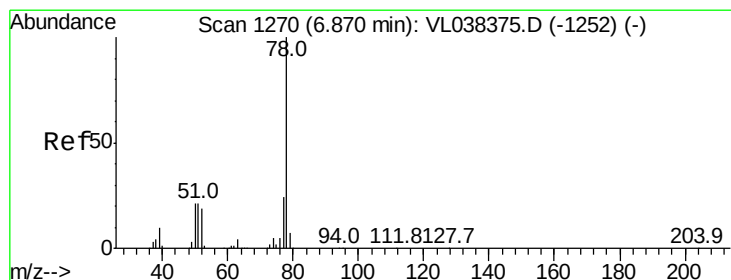
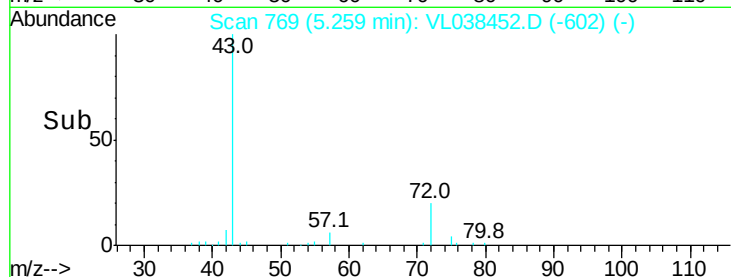
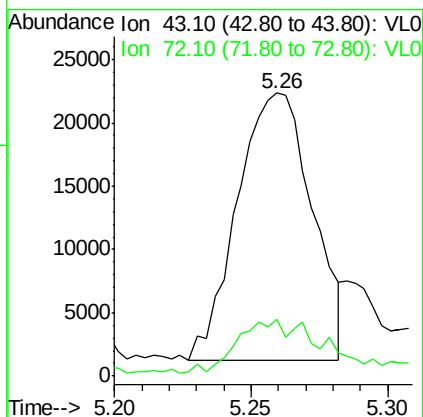
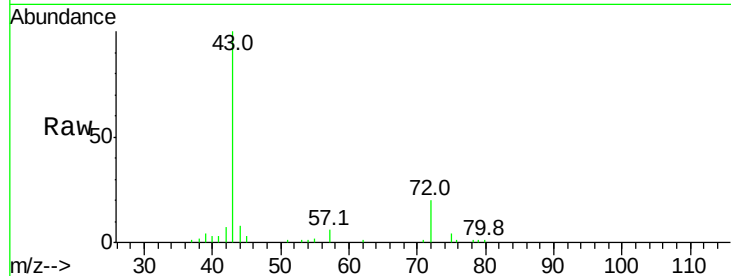


#34
2-Butanone
Concen: 0.60 ppbv
RT: 5.26
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 1 Mar 2022 15:49

Tgt Ion:
Ion Ratio
43 100
72 29.

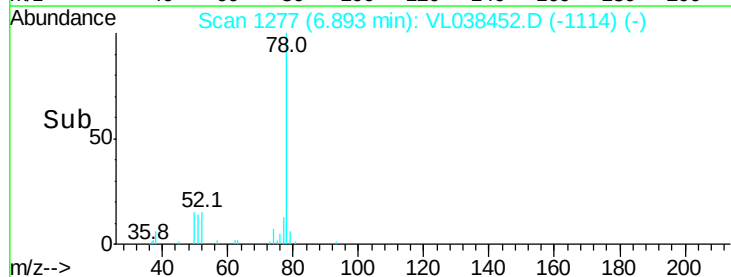
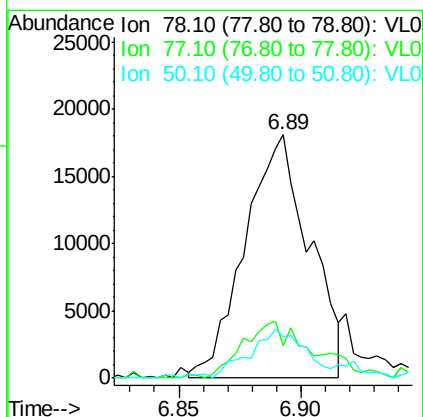
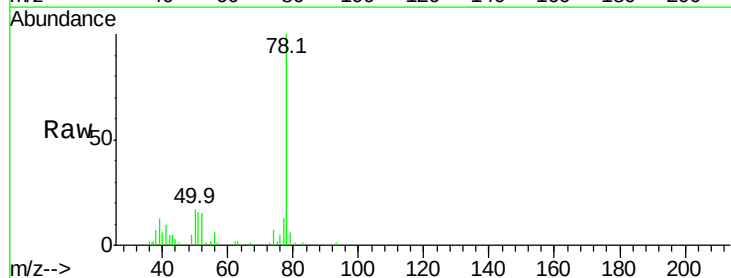
Manual Integrations
APPROVED

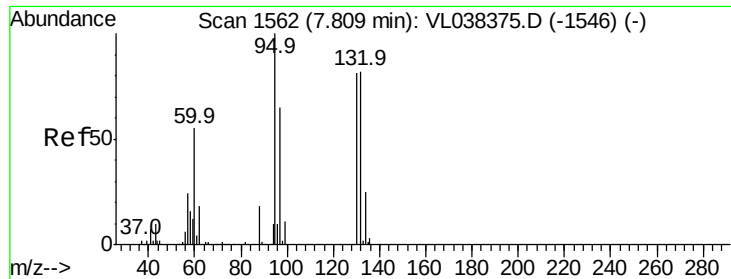
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#36
Benzene
Concen: 0.18 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.02 min
Lab File: VL038452.D
Acq: 1 Mar 2022 15:49

Tgt Ion: 78 Resp: 33140
Ion Ratio Lower Upper
78 100
77 12.2 19.0 28.6#
50 15.5 16.6 24.8#



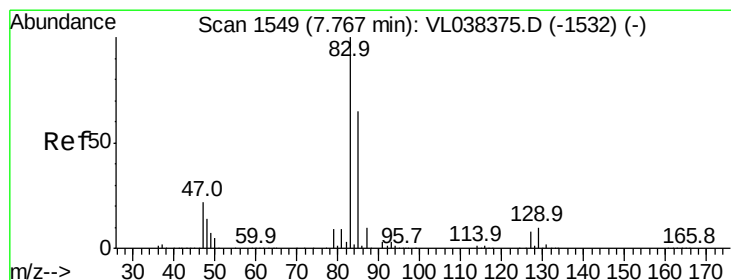
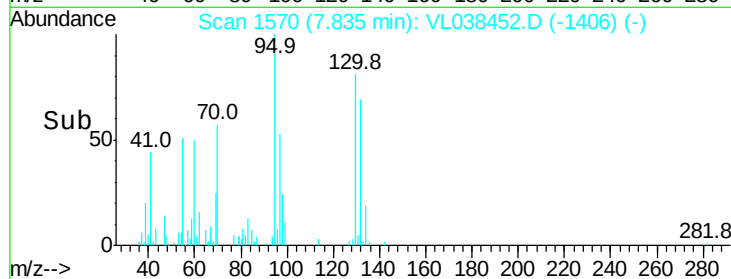
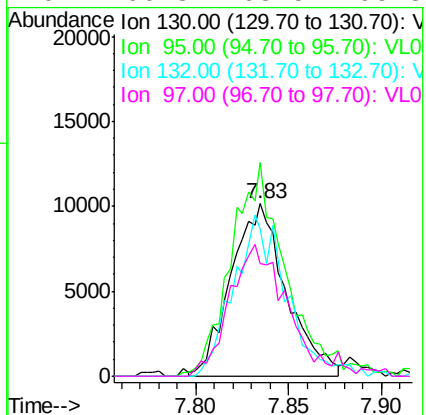
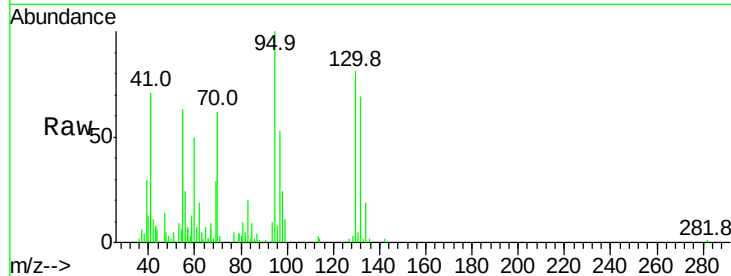


#38
 Trichloroethene
 Concen: 0.31 ppbv
 RT: 7.83
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 1 Mar 2022 15:49

Tgt Ion: 130.00 (129.70 to 130.70): V
 Ion Ratio
 130 100
 95 123.
 132 86.
 97 66.8 63.5 95.3

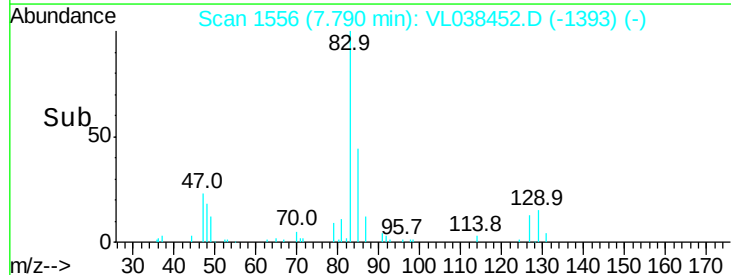
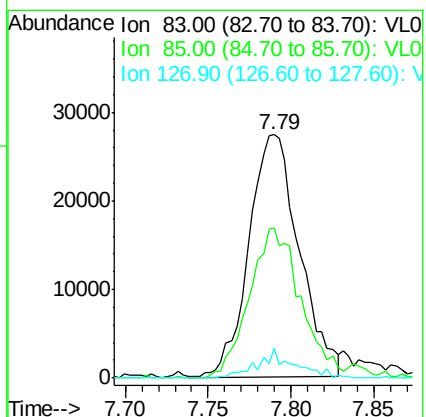
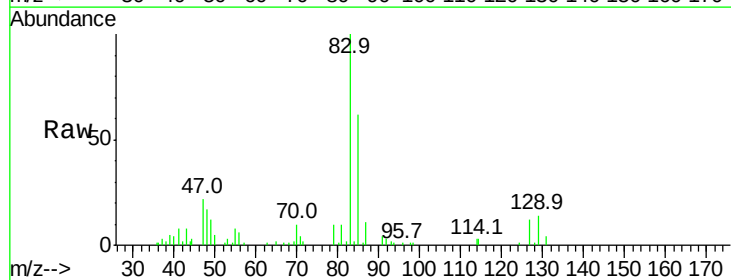
Manual Integrations
 APPROVED

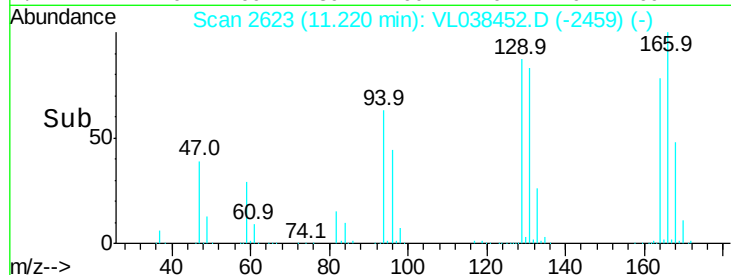
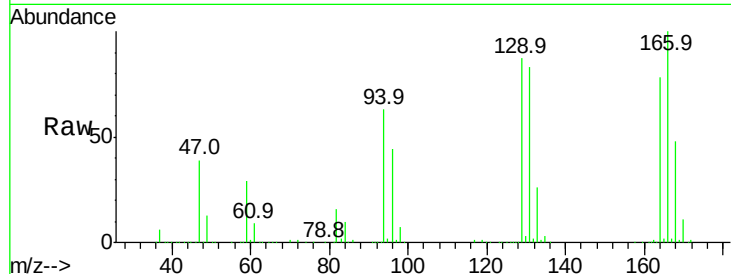
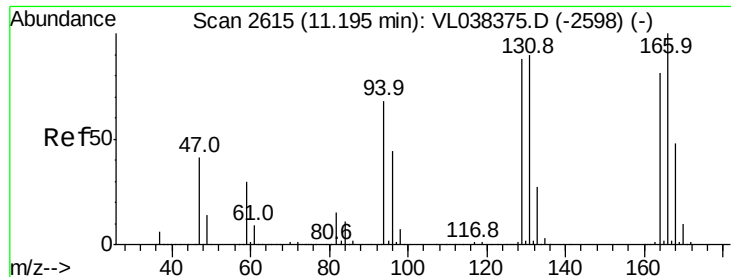
Reviewed By :Semsettin Yesilyurt 03/02/2022
 Supervised By :Mahesh Dadoda 03/02/2022



#42
 Bromodichloromethane
 Concen: 0.37 ppbv
 RT: 7.79 min Scan# 1556
 Delta R.T. 0.02 min
 Lab File: VL038452.D
 Acq: 1 Mar 2022 15:49

Tgt Ion: 83 Resp: 57887
 Ion Ratio Lower Upper
 83 100
 85 62.1 52.2 78.4
 127 12.1 6.2 9.4#



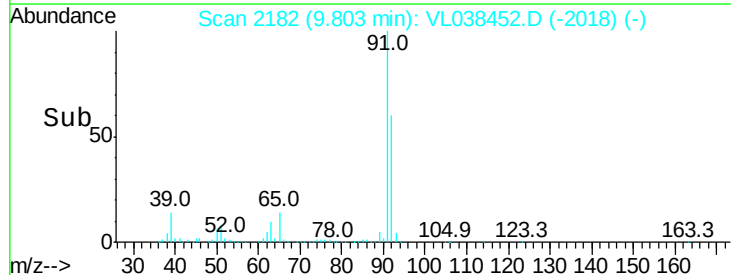
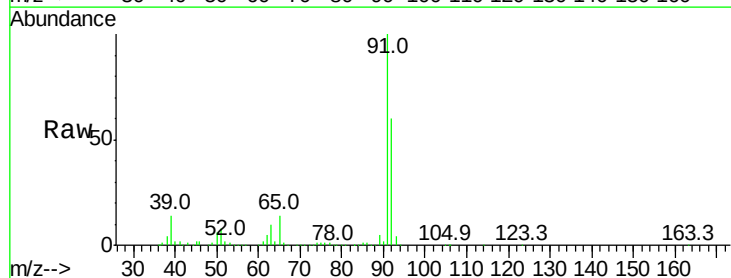
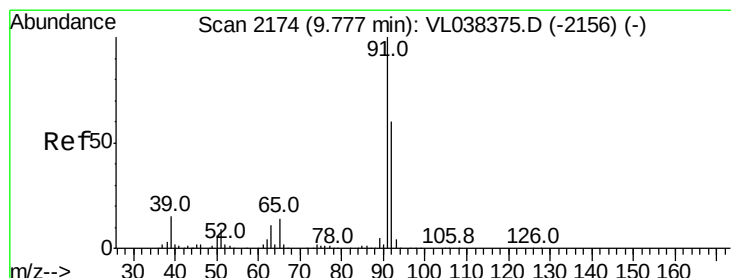
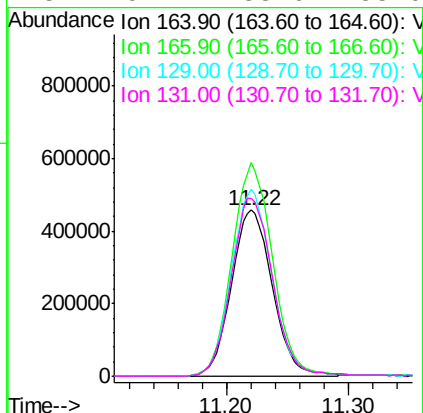


#52
Tetrachloroethene
Concen: 16.99 ppbv
RT: 11.22
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 1 Mar 2022 15:49

Tgt Ion: 1
Ion Ratio
164 100
166 128.
129 112.
131 107.1 88.6 133.0

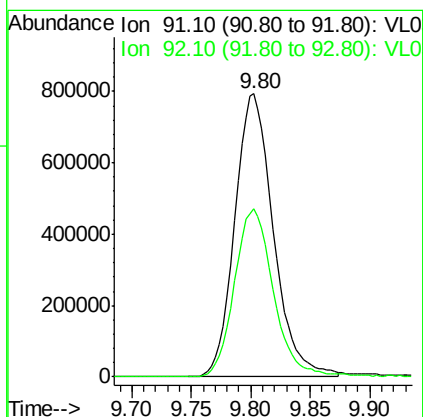
Manual Integrations
APPROVED

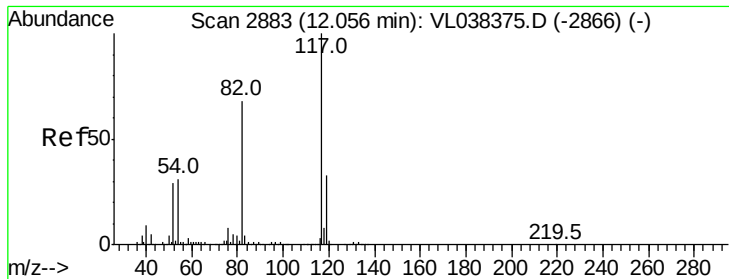
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#53
Toluene
Concen: 8.76 ppbv
RT: 9.80 min Scan# 2182
Delta R.T. 0.03 min
Lab File: VL038452.D
Acq: 1 Mar 2022 15:49

Tgt Ion: 91 Resp: 1783048
Ion Ratio Lower Upper
91 100
92 61.0 48.2 72.4



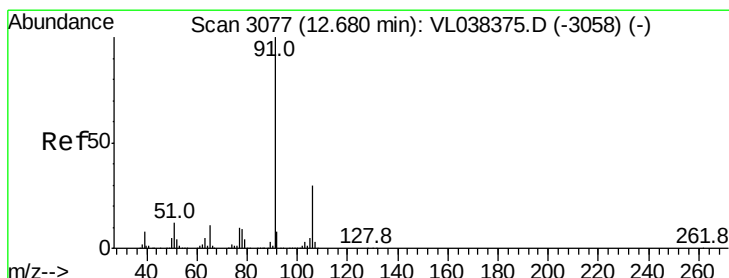
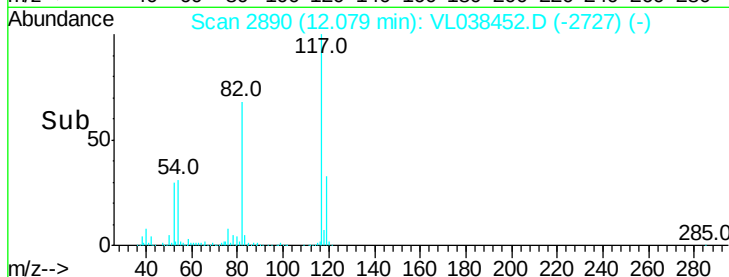
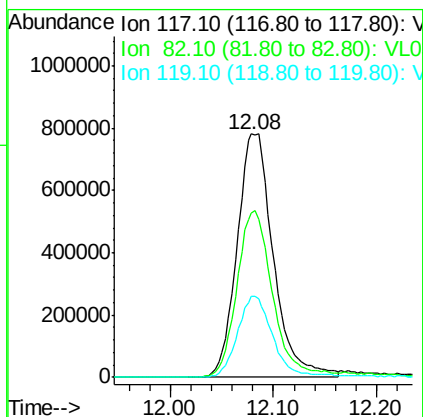
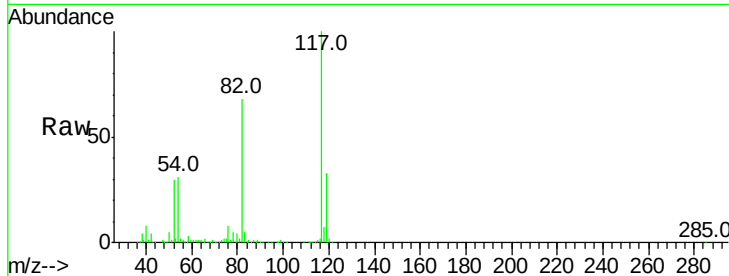


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.08
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 1 Mar 2022 15:49

Tgt Ion: 1
Ion Ratio
117 100
82 70.
119 32.

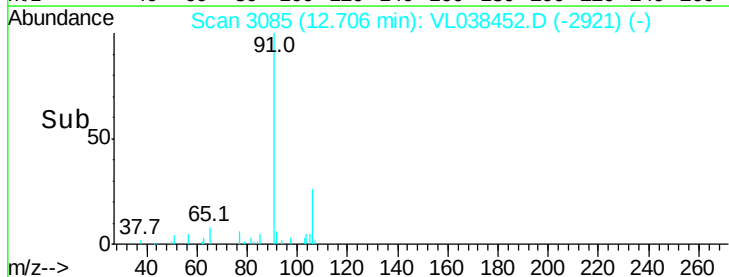
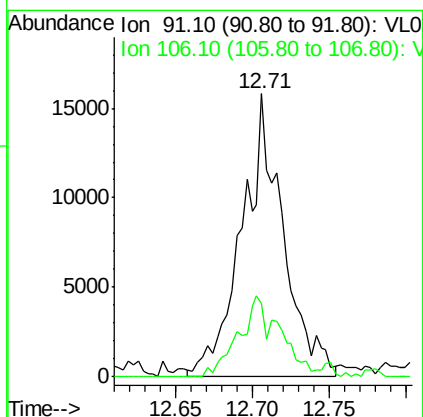
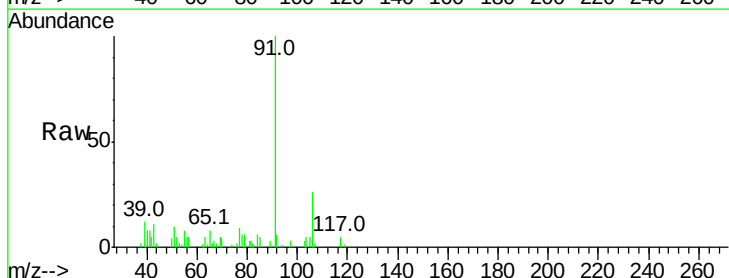
Manual Integrations
APPROVED

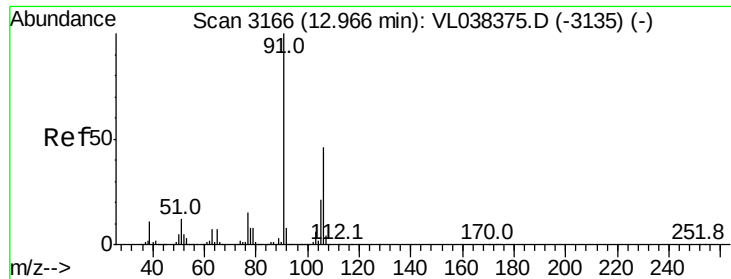
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#58
Ethyl Benzene
Concen: 0.11 ppbv m
RT: 12.71 min Scan# 3085
Delta R.T. 0.03 min
Lab File: VL038452.D
Acq: 1 Mar 2022 15:49

Tgt Ion: 91 Resp: 29338
Ion Ratio Lower Upper
91 100
106 25.8 24.0 36.0



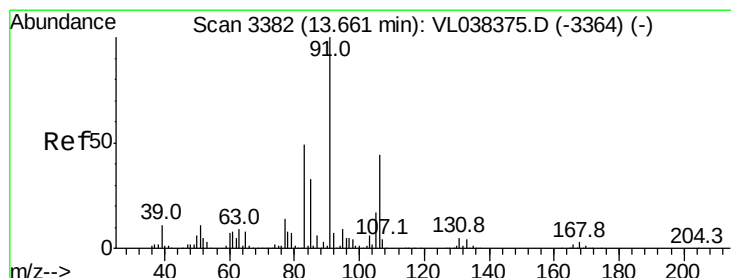
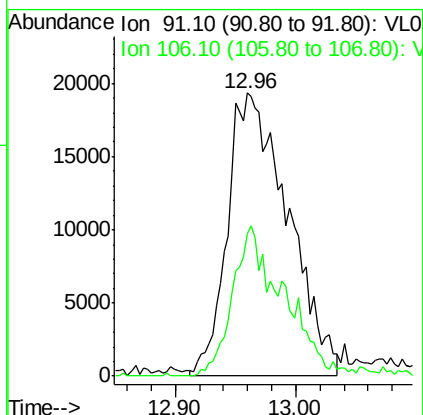
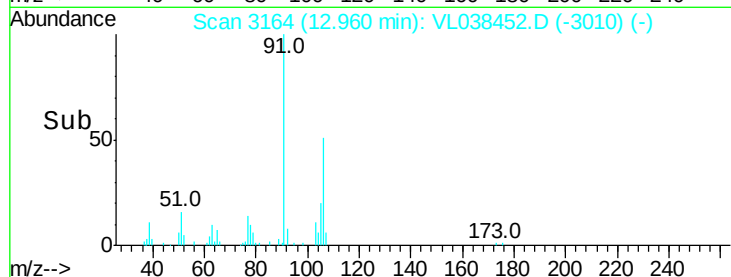
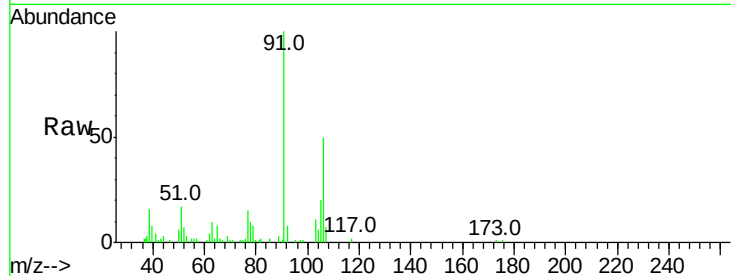


#59
m/p-Xylene
Concen: 0.30 ppbv m
RT: 12.96
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 1 Mar 2022 15:49

Tgt Ion:
Ion Ratio
91 100
106 0.

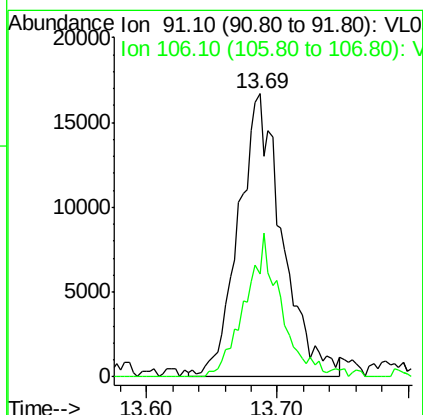
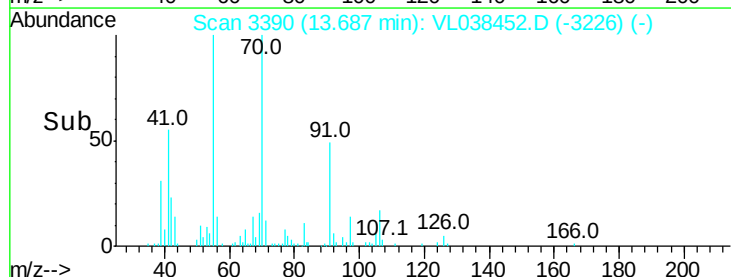
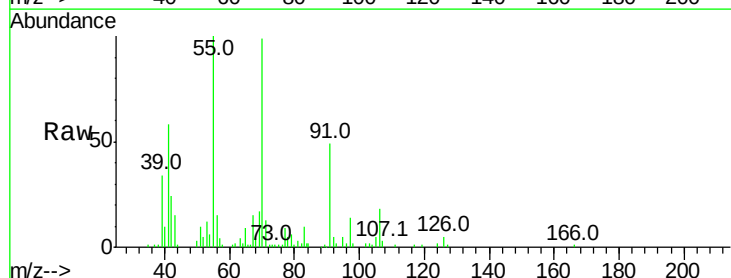
Manual Integrations
APPROVED

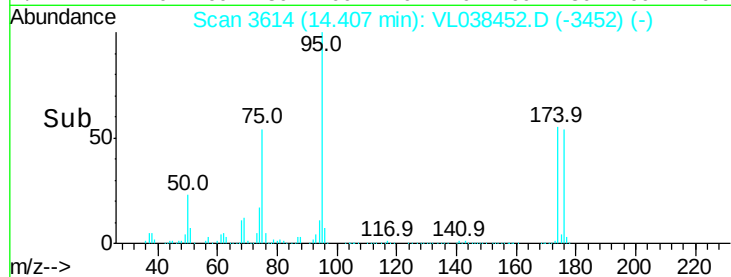
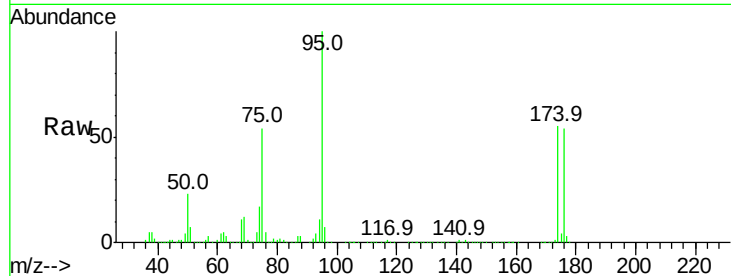
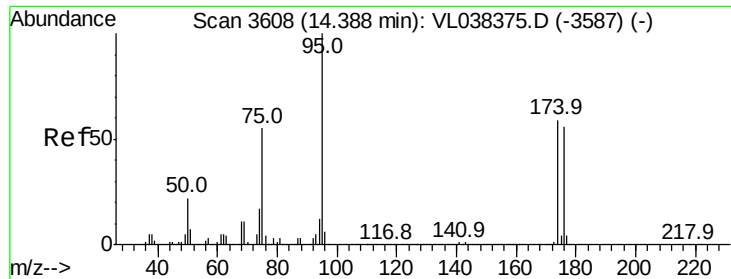
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#60
o-Xylene
Concen: 0.18 ppbv m
RT: 13.69 min Scan# 3390
Delta R.T. 0.03 min
Lab File: VL038452.D
Acq: 1 Mar 2022 15:49

Tgt Ion: 91 Resp: 38778
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.65 ppbv

RT: 14.41

Delta R.T

Lab File: ClientSampleId :

Acq: 1 Mar 2022 15:49

Tgt Ion:

Ion Ratio

95 100

174 61.

175 4.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/02/2022

Supervised By :Mahesh Dadoda 03/02/2022

