

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
 Data File : VL038858.D
 Acq On : 8 Apr 2022 2:05
 Operator : SY/AP
 Sample : N2274-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 1161-8-01-SG-1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/09/2022
 Supervised By : Mahesh Dadoda 04/11/2022

Quant Time: Apr 08 09:51:35 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1076799	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	2873177	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.12	117	2546472	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1928408	9.98	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.08	85	46038	0.301	ppbv	100
3) Chlorodifluoromethane	3.01	51	65613m	0.499	ppbv	
4) Chloromethane	3.17	50	30569	0.449	ppbv	96
9) Propene	3.04	41	128769m	1.852	ppbv	
10) Heptane	8.15	43	88054	0.503	ppbv	99
11) Trichlorofluoromethane	3.98	101	33123	0.270	ppbv	90
13) Ethanol	3.64	45	196709	46.554	ppbv #	100
15) Acetone	3.90	43	914688m	8.532	ppbv	
19) Isopropyl Alcohol	4.00	45	76070m	1.388	ppbv	
20) Methylene Chloride	4.37	84	33304	0.857	ppbv #	86
26) Hexane	5.72	57	192642	1.556	ppbv #	48
30) Cyclohexane	7.16	84	47742	0.437	ppbv	86
34) 2-Butanone	5.28	43	57711	0.508	ppbv #	84
35) Carbon Tetrachloride	7.05	117	10709m	0.062	ppbv	
36) Benzene	6.92	78	347728	1.330	ppbv	95
44) 2,2,4-Trimethylpentane	7.90	57	135833	0.307	ppbv #	73
52) Tetrachloroethene	11.25	164	3186m	0.035	ppbv	
53) Toluene	9.84	91	495595	1.643	ppbv	99
58) Ethyl Benzene	12.74	91	100015m	0.263	ppbv	
59) m/p-Xylene	13.00	91	263960	0.826	ppbv	98
60) o-Xylene	13.72	91	97085	0.325	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	70895	0.209	ppbv #	71

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

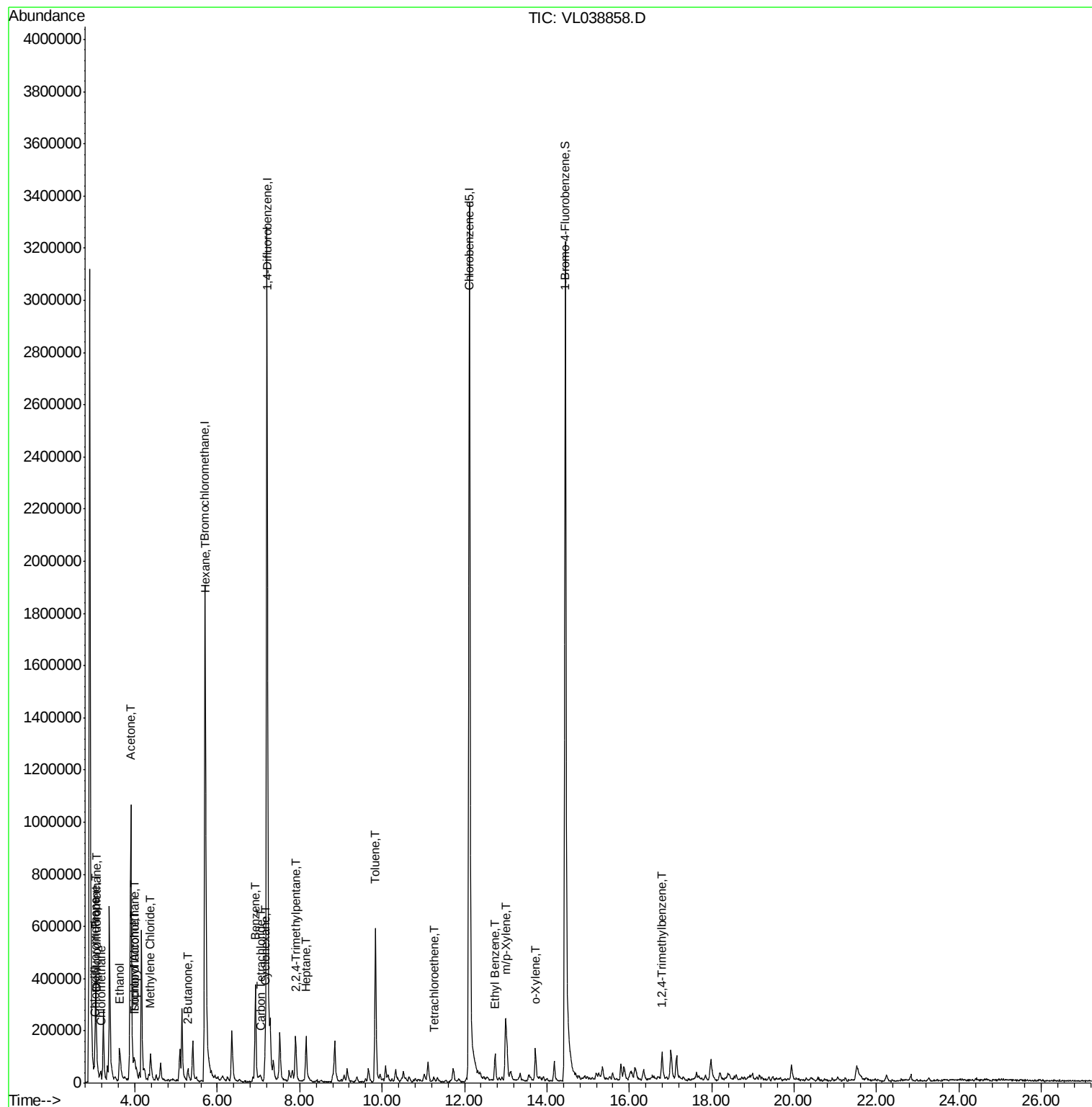
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040722\
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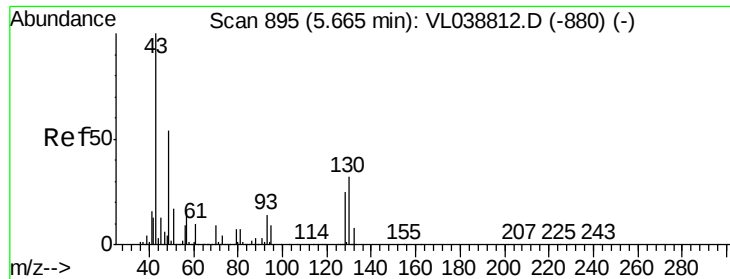
Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-1

Quant Time: Apr 08 09:51:35 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL040522
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 Instrument: MSVOA_1

Delta R.T. 0.03

Lab File: ClientSampleId: 1161-8-01-SG-1

Acq: 8 Apr 2022 2:05

Tot Ion:

Ion Ratio

49 100

128 48.

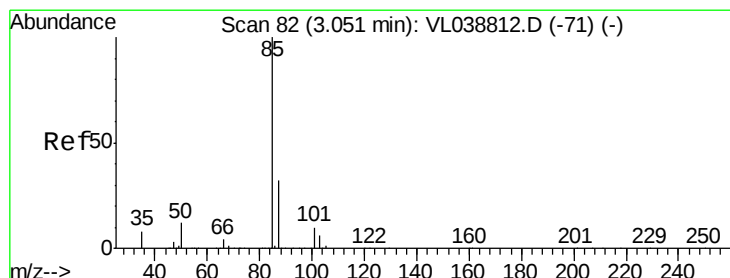
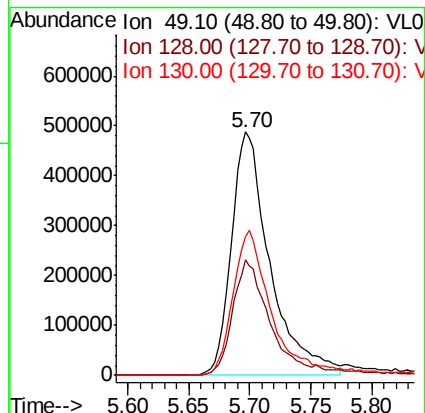
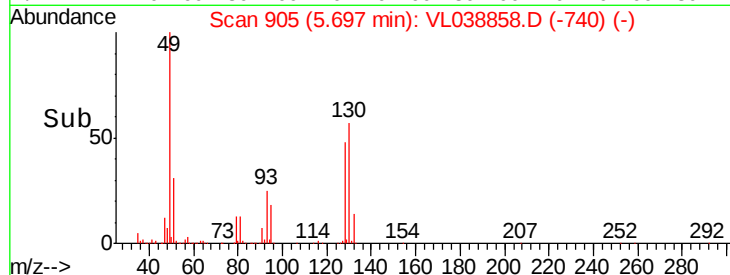
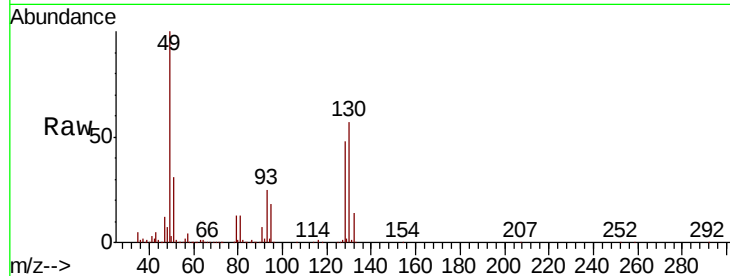
130 61.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/09/2022

Supervised By :Mahesh Dadoda 04/11/2022



#2

Dichlorodifluoromethane

Concen: 0.301 ppbv

RT: 3.08 min Scan# 90

Delta R.T. 0.03 min

Lab File: VL038858.D

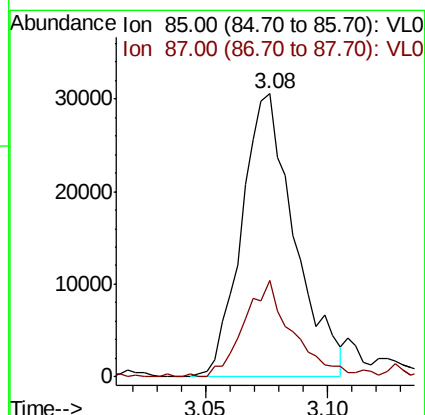
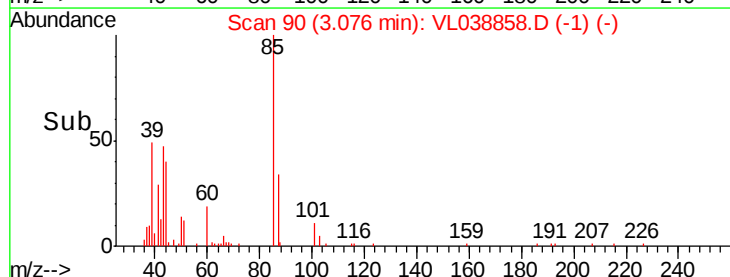
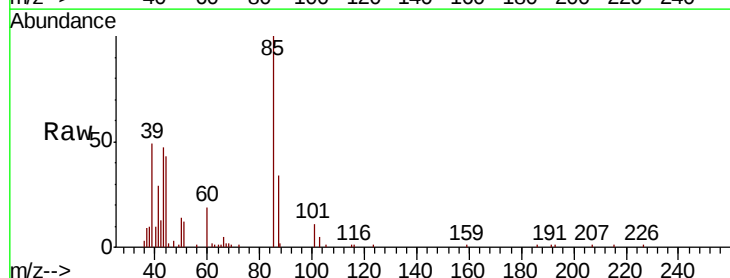
Acq: 8 Apr 2022 2:05

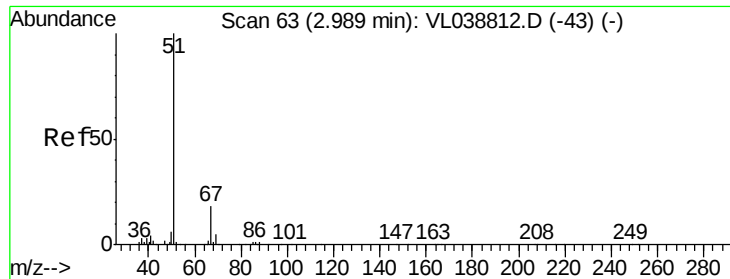
Tgt Ion: 85 Resp: 46038

Ion Ratio Lower Upper

85 100

87 32.6 25.9 38.9





#3

Chlorodifluoromethane

Concen: 0.499 ppbv m

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Apr 2022 2:05

Tot Ion:

Ion Ratio

51 100

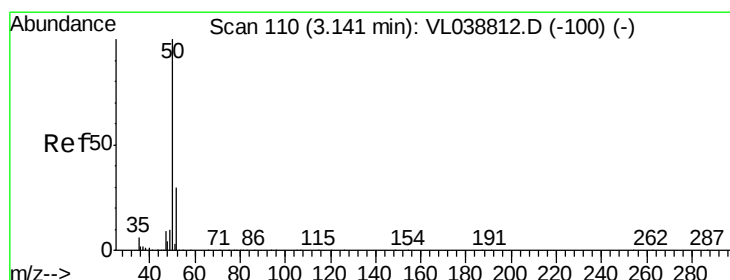
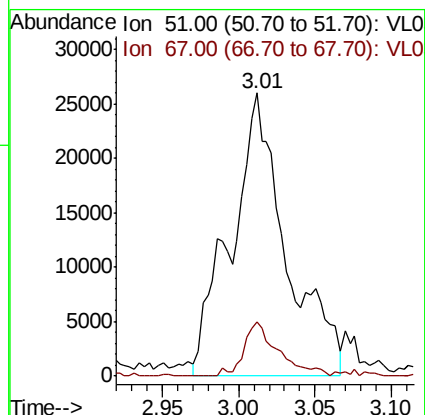
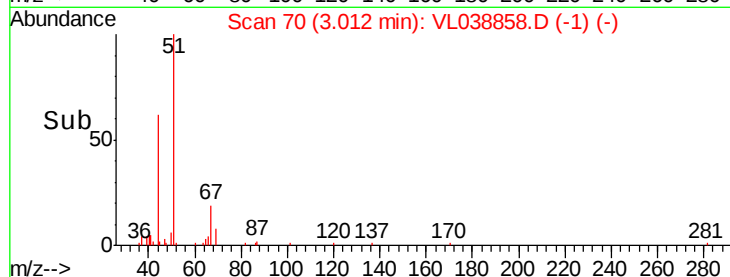
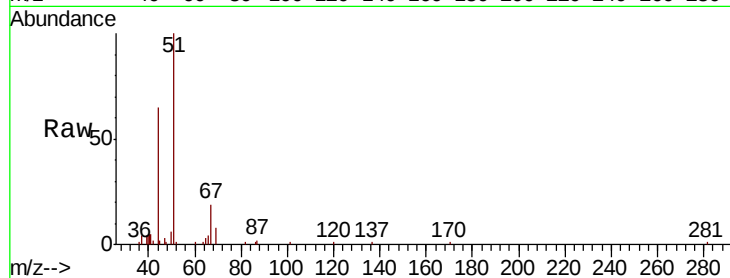
67 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/09/2022

Supervised By :Mahesh Dadoda 04/11/2022



#4

Chloromethane

Concen: 0.449 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.03 min

Lab File: VL038858.D

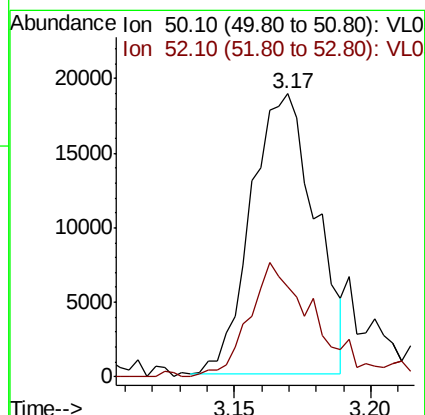
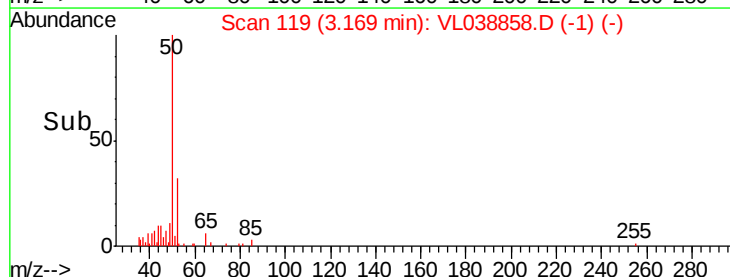
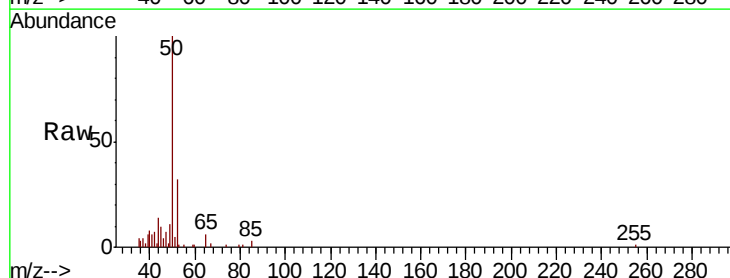
Acq: 8 Apr 2022 2:05

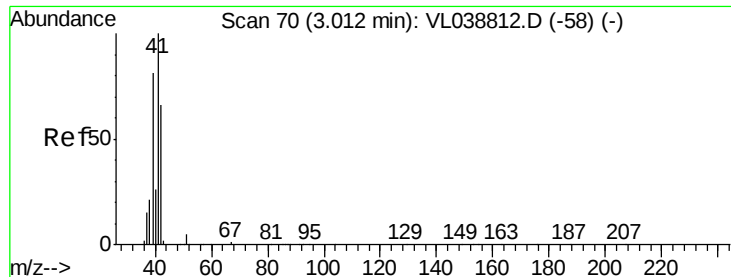
Tgt Ion: 50 Resp: 30569

Ion Ratio Lower Upper

50 100

52 32.4 24.3 36.5





#9

Propene

Concen: 1.852 ppbv m

RT: 3.04 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Apr 2022 2:05

Tot Ion:

Ion Ratio

41 100

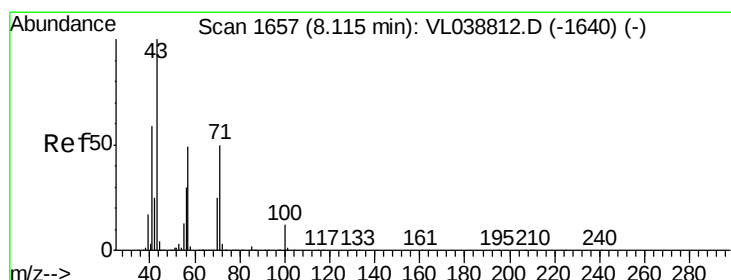
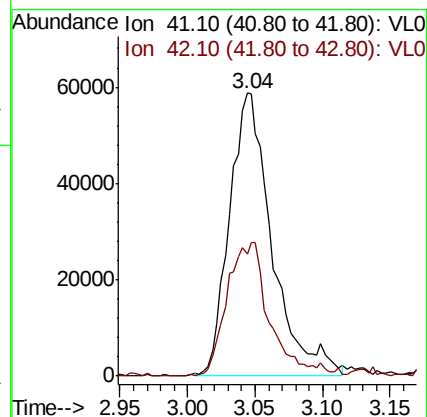
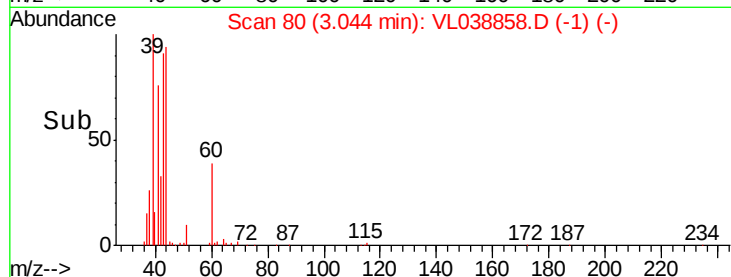
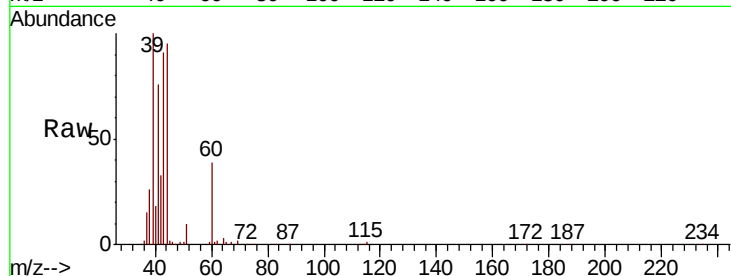
42 53.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022

Supervised By :Mahesh Dadoda 04/11/2022



#10

Heptane

Concen: 0.503 ppbv

RT: 8.15 min Scan# 1669

Delta R.T. 0.04 min

Lab File: VL038858.D

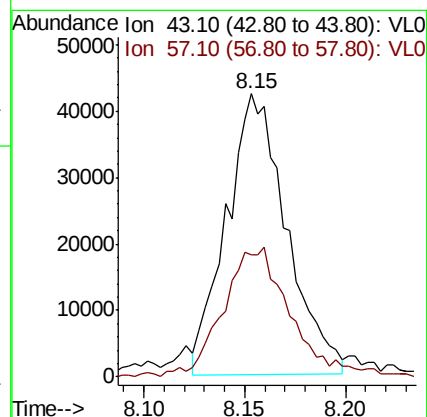
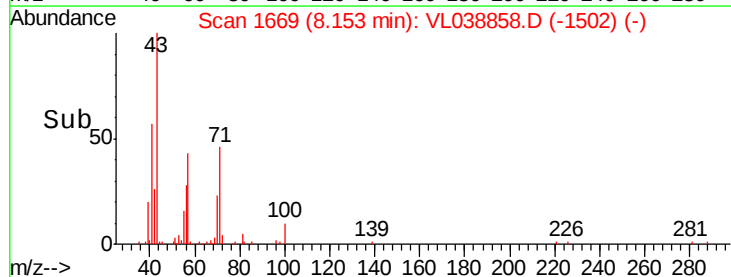
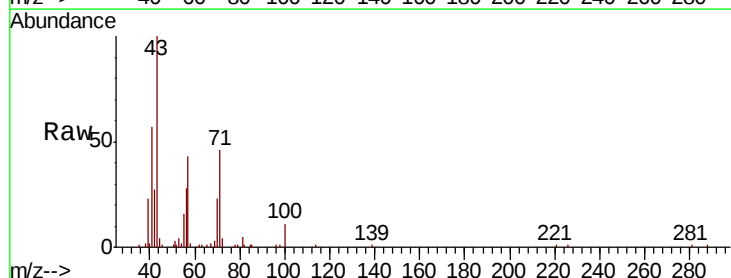
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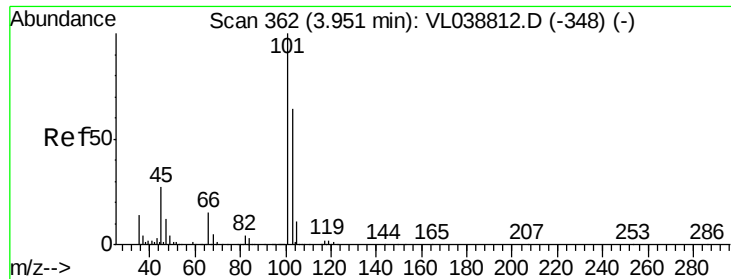
Tgt Ion: 43 Resp: 88054

Ion Ratio Lower Upper

43 100

57 49.6 39.3 58.9



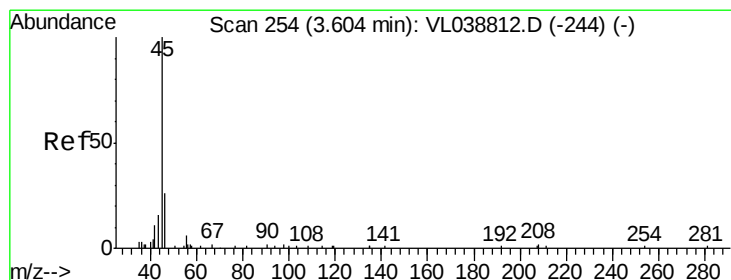
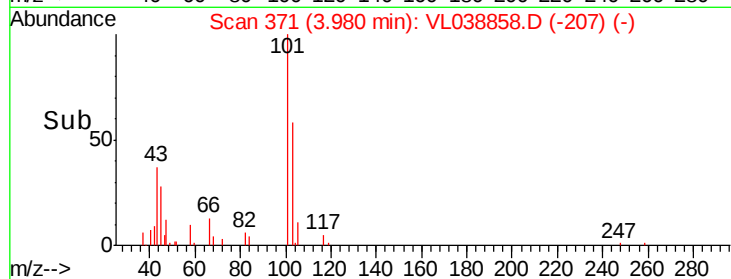
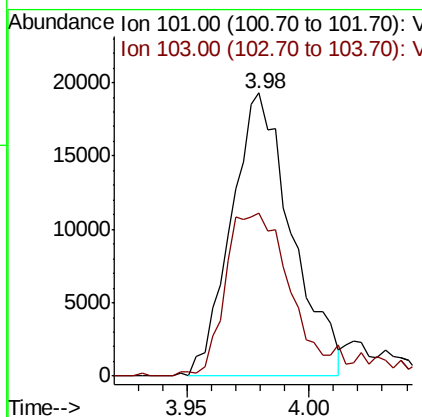
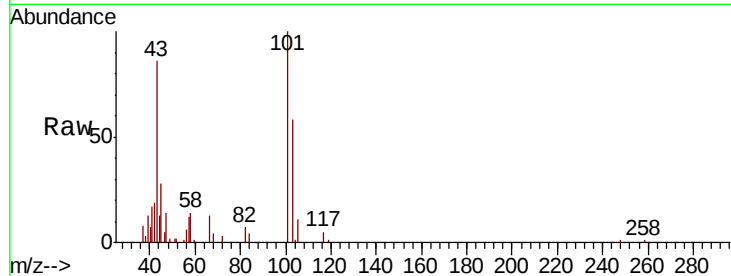


#11
Trichlorofluoromethane
Concen: 0.270 ppbv
RT: 3.98
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Apr 2022 2:05

Tot Ion:1
Ion Rati
101 100
103 56.

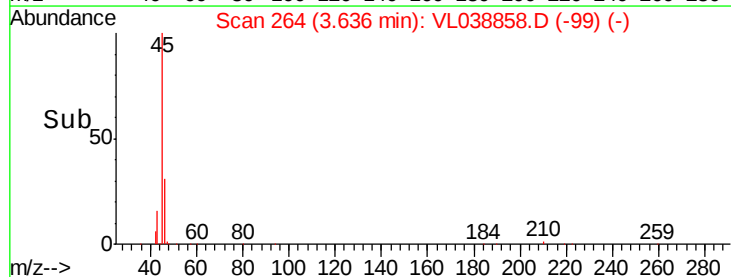
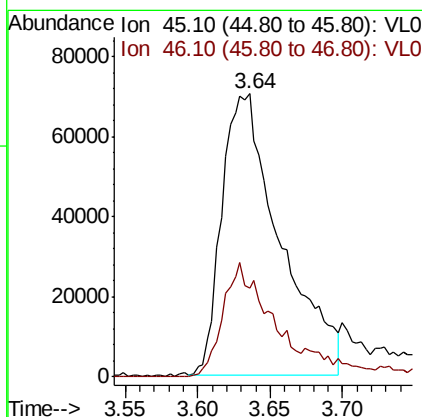
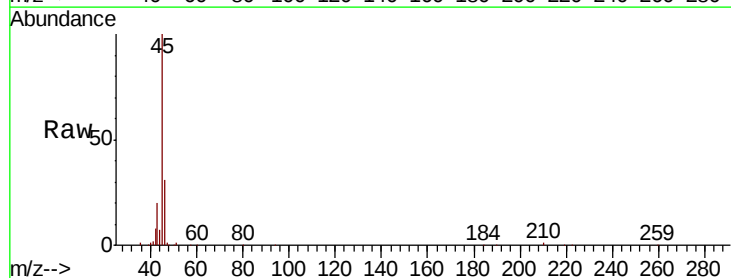
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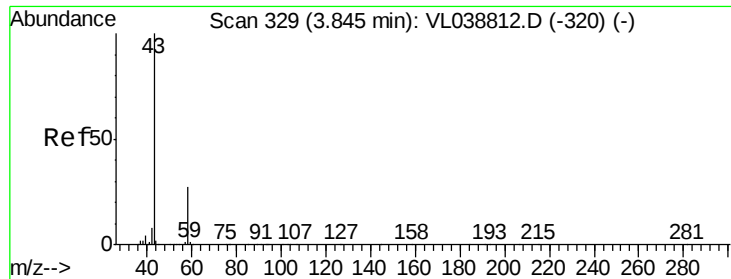
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#13
Ethanol
Concen: 46.554 ppbv
RT: 3.64 min Scan# 264
Delta R.T. 0.03 min
Lab File: VL038858.D
Acq: 8 Apr 2022 2:05

Tgt Ion: 45 Resp: 196709
Ion Ratio Lower Upper
45 100
46 41.0 0.0 0.0#



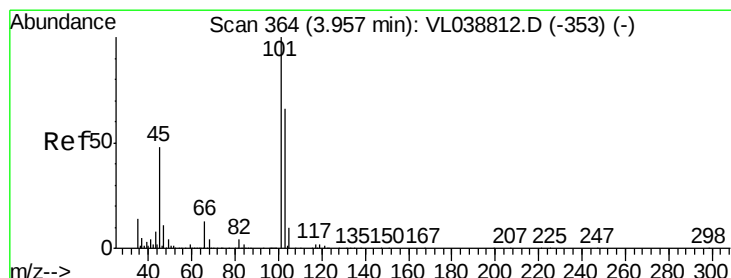
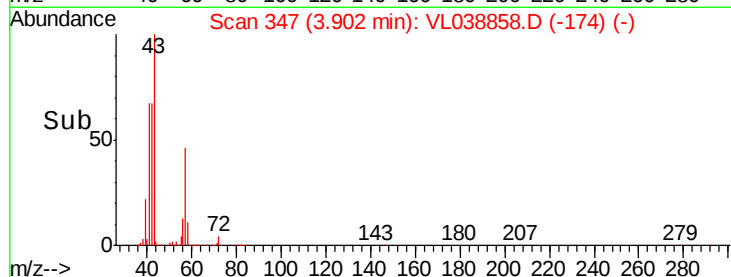
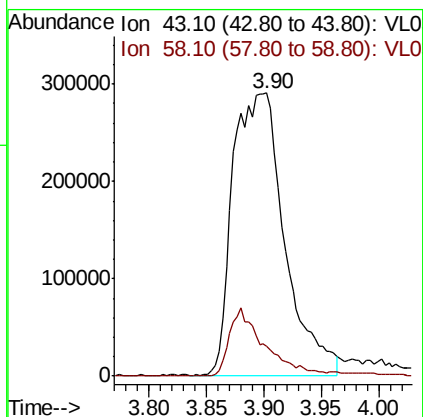
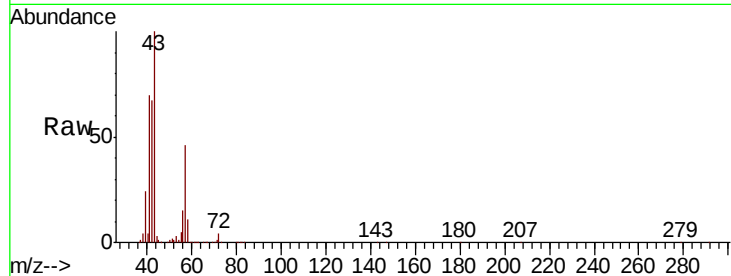


#15
Acetone
Concen: 8.532 ppbv m
RT: 3.90
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 2:05

Tot Ion:
Ion Ratio
43 100
58 17.

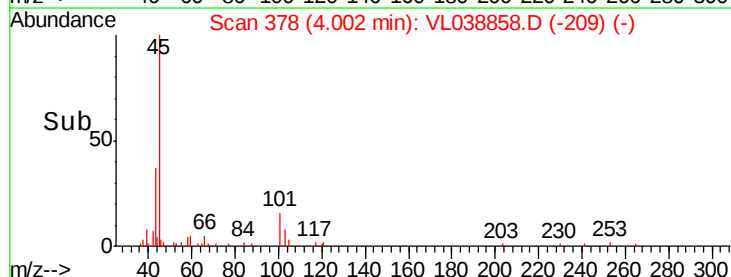
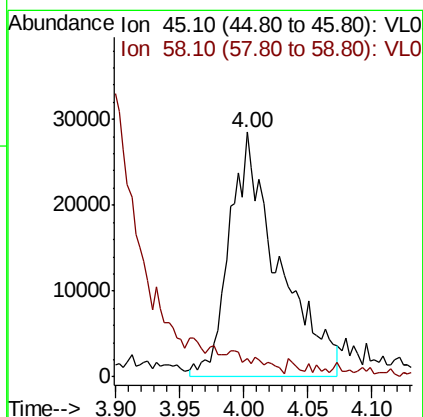
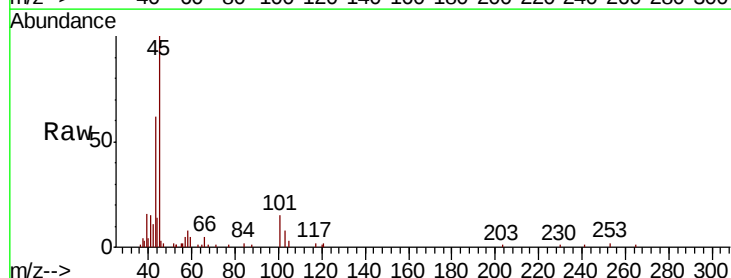
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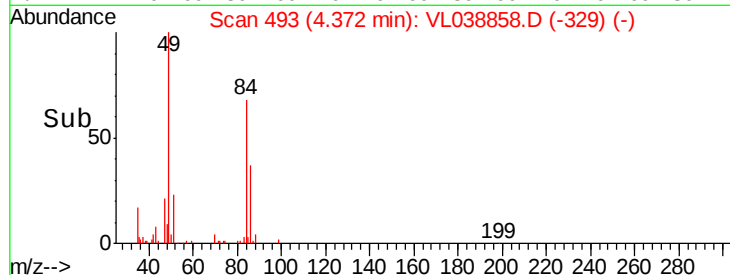
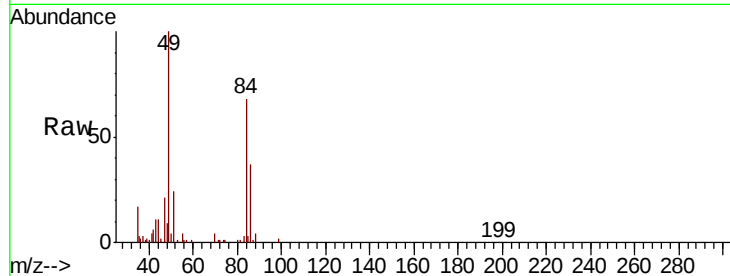
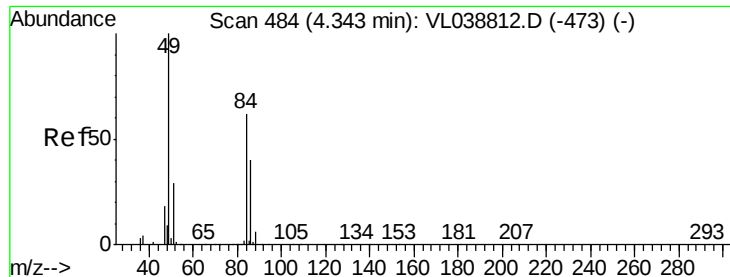
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#19
Isopropyl Alcohol
Concen: 1.388 ppbv m
RT: 4.00 min Scan# 378
Delta R.T. 0.04 min
Lab File: VL038858.D
Acq: 8 Apr 2022 2:05

Tgt Ion: 45 Resp: 76070
Ion Ratio Lower Upper
45 100
58 0.0 0.0 0.0



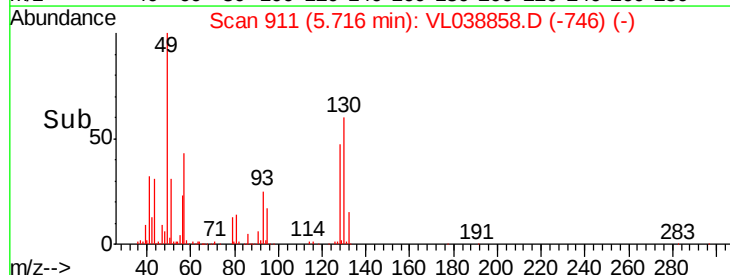
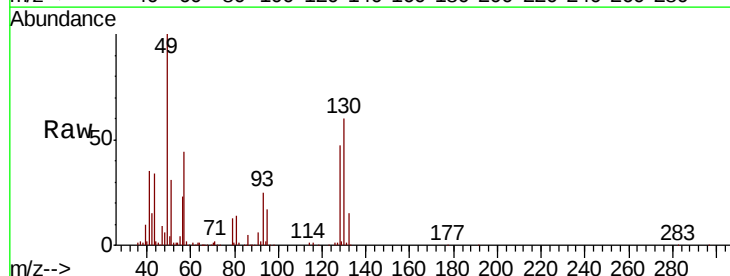
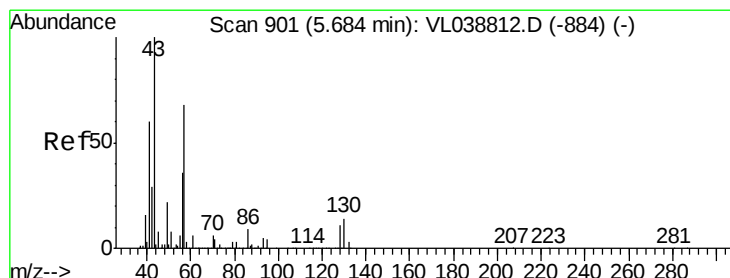
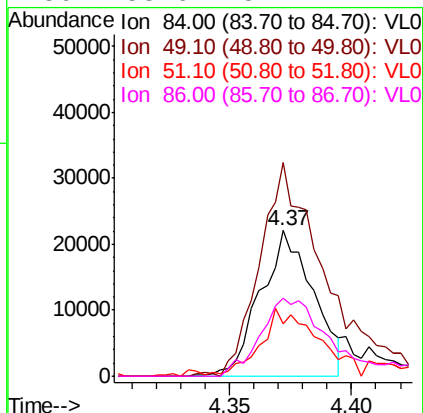


#20
Methvlene Chloride
Concen: 0.857 ppbv
RT: 4.37
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Apr 2022 2:05

Tot Ion:
Ion Ratio
84 100
49 146.
51 31.
86 53.6 51.4 77.2

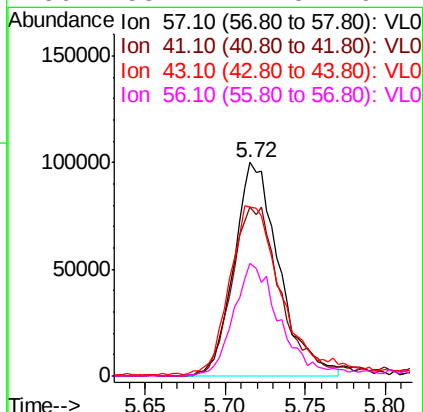
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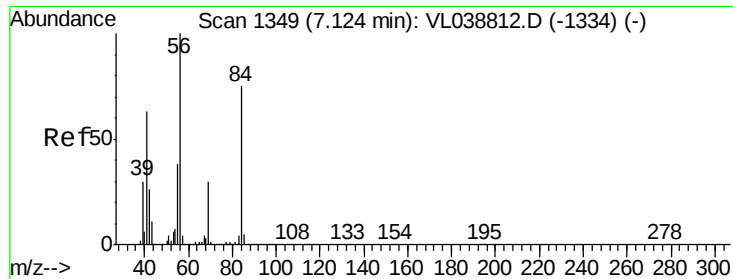
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#26
Hexane
Concen: 1.556 ppbv
RT: 5.72 min Scan# 911
Delta R.T. 0.03 min
Lab File: VL038858.D
Acq: 8 Apr 2022 2:05

Tgt Ion: 57 Resp: 192642
Ion Ratio Lower Upper
57 100
41 90.6 72.0 108.0
43 95.0 186.6 280.0#
56 55.2 42.8 64.2



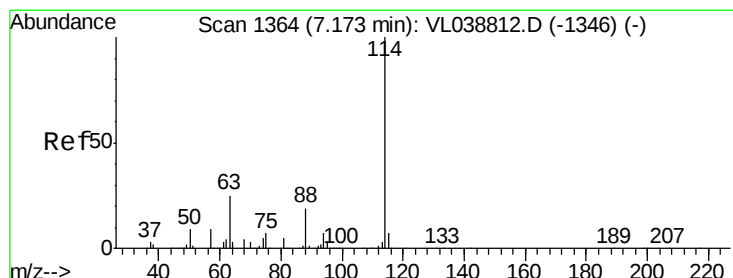
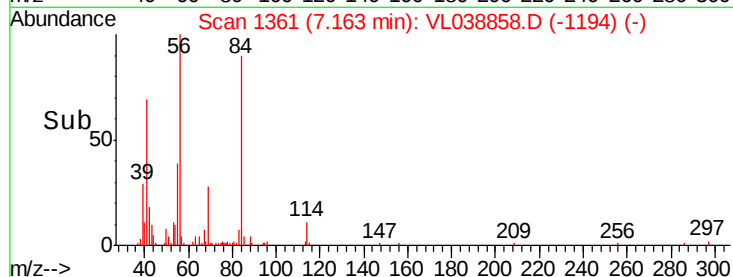
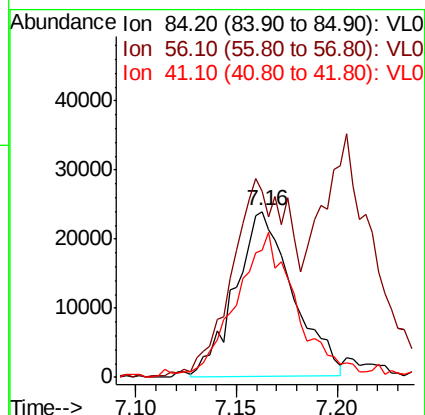
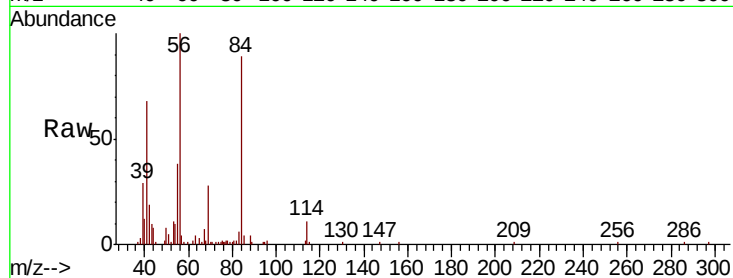


#30
Cvclohexane
Concen: 0.437 ppbv
RT: 7.16
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 2:05

Tot Ion:
Ion Ratio
84 100
56 121.
41 94.

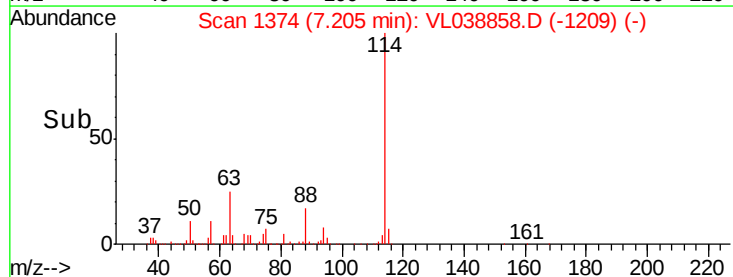
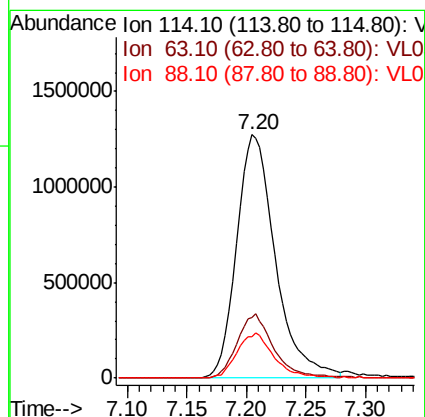
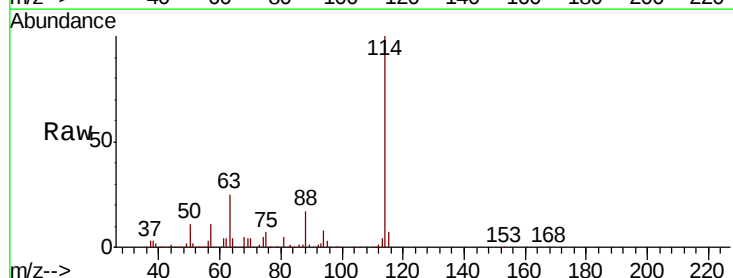
Manual Integrations
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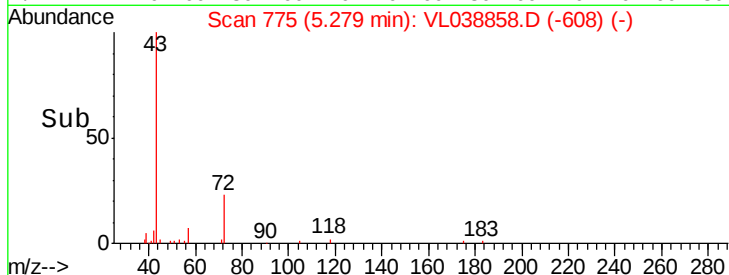
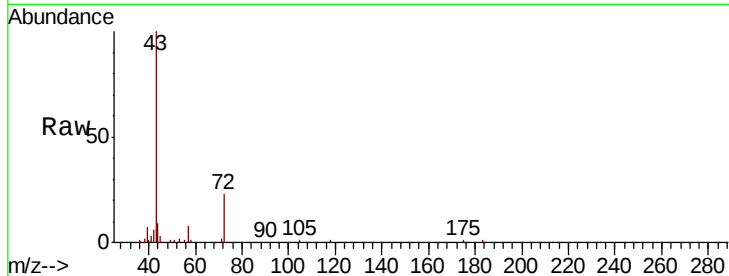
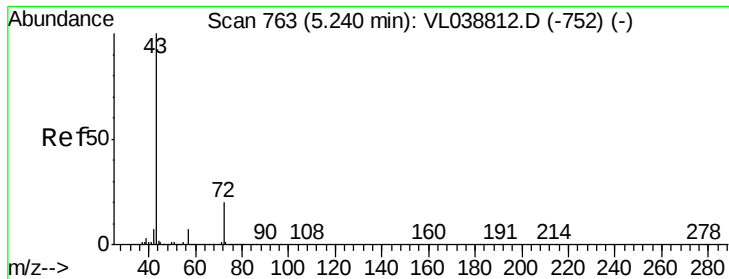
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1374
Delta R.T. 0.03 min
Lab File: VL038858.D
Acq: 8 Apr 2022 2:05

Tgt Ion:114 Resp: 2873177
Ion Ratio Lower Upper
114 100
63 25.5 19.8 29.8
88 18.3 14.2 21.4



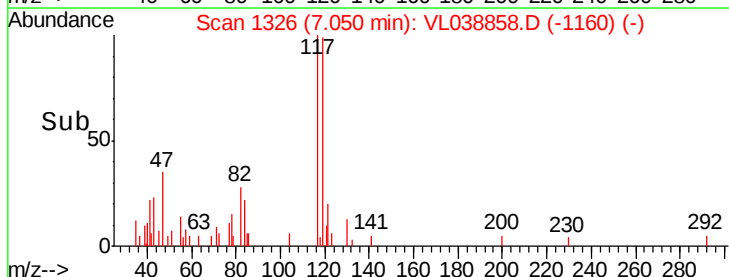
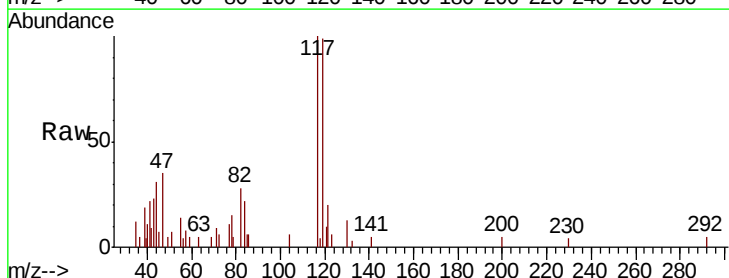
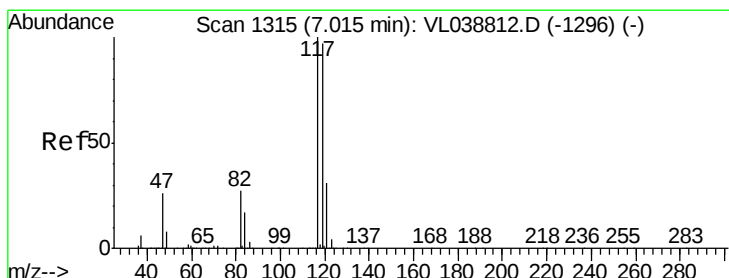
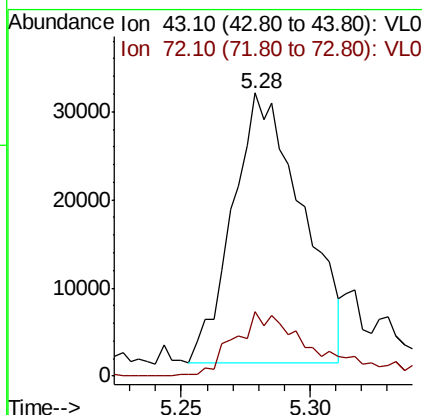


#34
2-Butanone
Concen: 0.508 ppbv
RT: 5.28
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 2:05

Tot Ion:
Ion Ratio
43 100
72 28.

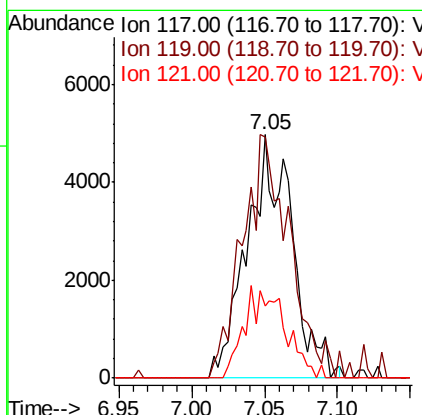
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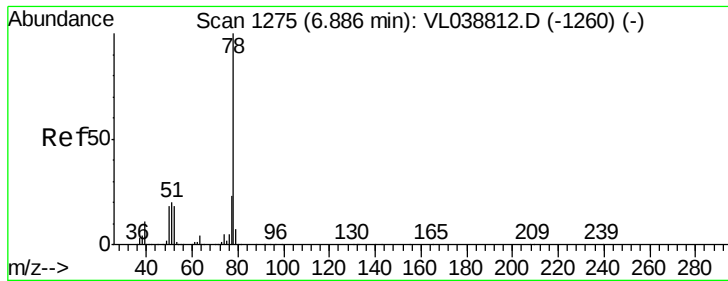
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#35
Carbon Tetrachloride
Concen: 0.062 ppbv m
RT: 7.05 min Scan# 1326
Delta R.T. 0.04 min
Lab File: VL038858.D
Acq: 8 Apr 2022 2:05

Tgt Ion:117 Resp: 10709
Ion Ratio Lower Upper
117 100
119 99.1 77.7 116.5
121 20.0 24.5 36.7#



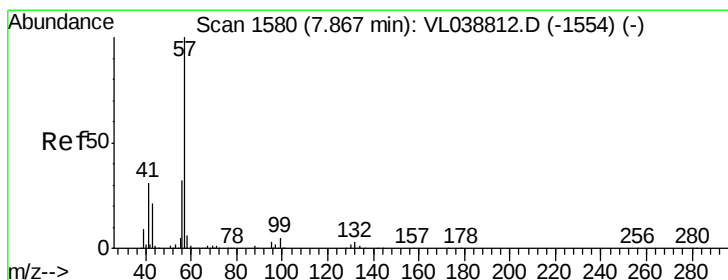
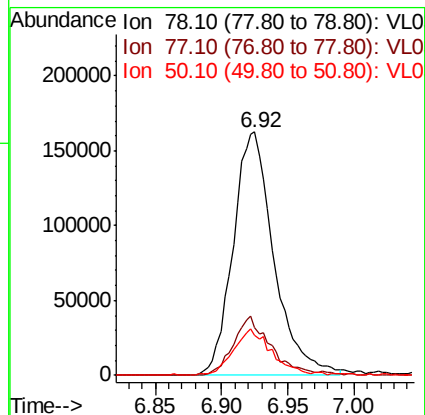
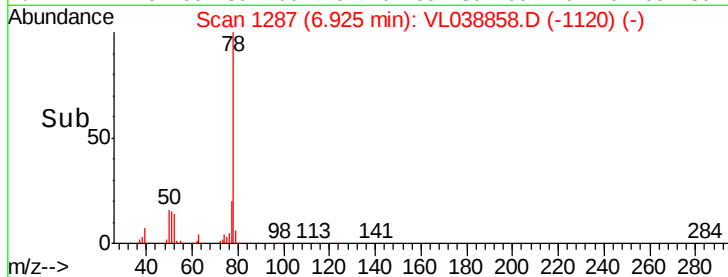
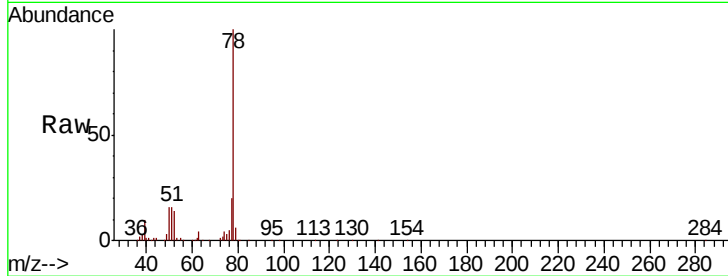


#36
Benzene
Concen: 1.330 ppbv
RT: 6.92
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 2:05

Tot Ion:
Ion Ratio
78 100
77 19.
50 16.

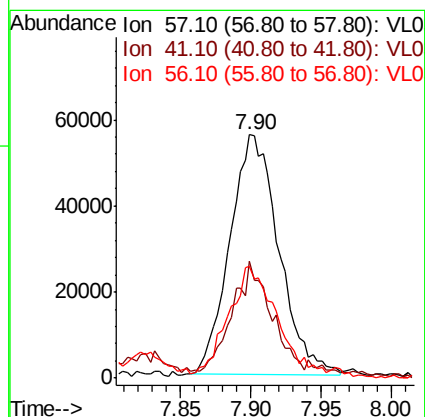
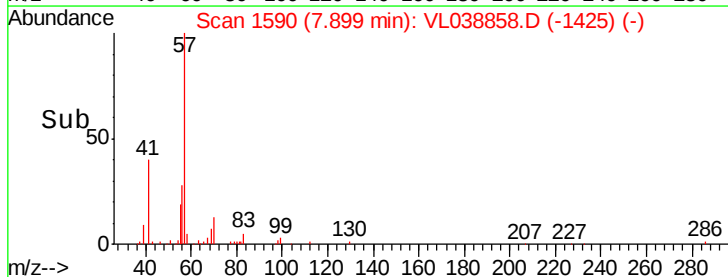
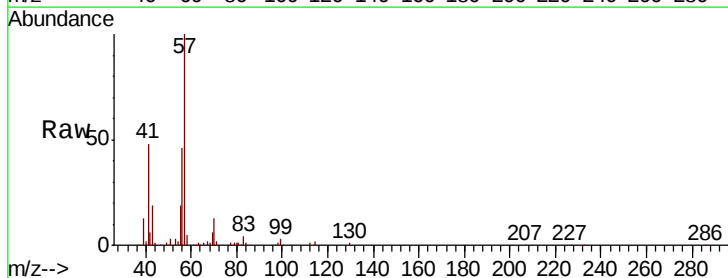
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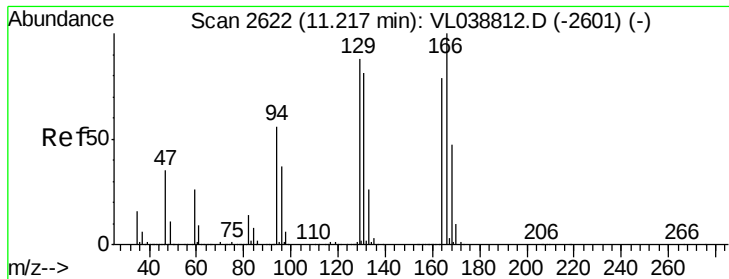
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#44
2,2,4-Trimethylpentane
Concen: 0.307 ppbv
RT: 7.90 min Scan# 1590
Delta R.T. 0.03 min
Lab File: VL038858.D
Acq: 8 Apr 2022 2:05

Tgt Ion: 57 Resp: 135833
Ion Ratio Lower Upper
57 100
41 43.2 25.0 37.4#
56 49.0 25.3 37.9#





#52

Tetrachloroethene

Concen: 0.035 ppbv m

RT: 11.25

Delta R.T. MSVOA_L

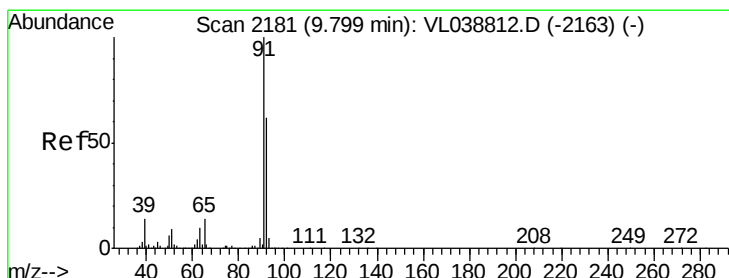
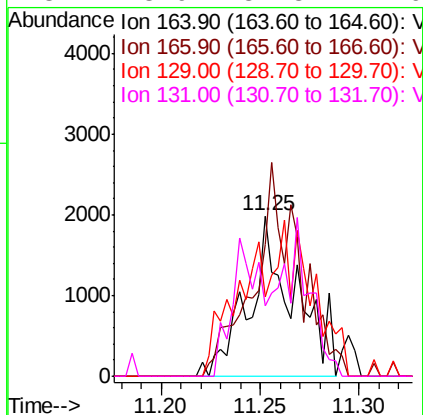
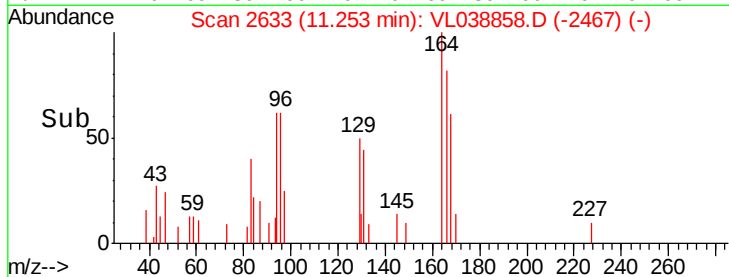
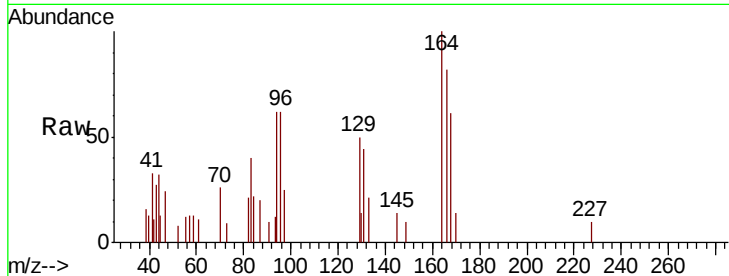
Lab File: ClientSampleId :

Acq: 8 Apr 2022 2:05

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022

Tot Ion:1
Ion Rati
164 100
166 81.
129 49.
131 43.9 81.8 122.6#



#53

Toluene

Concen: 1.643 ppbv

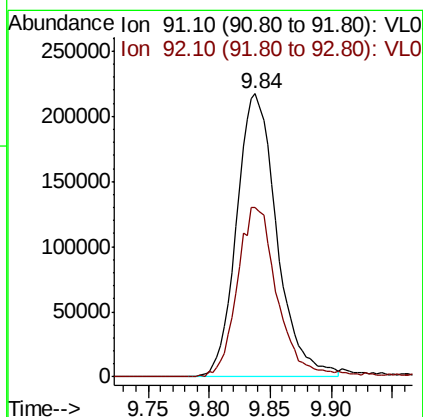
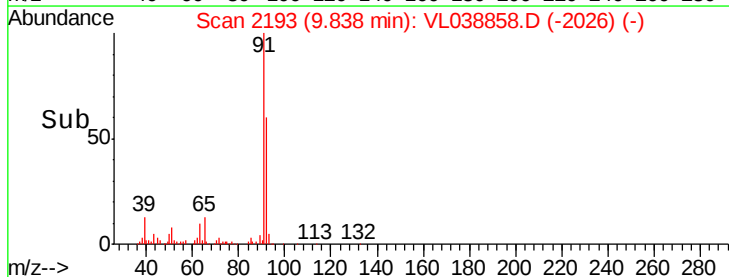
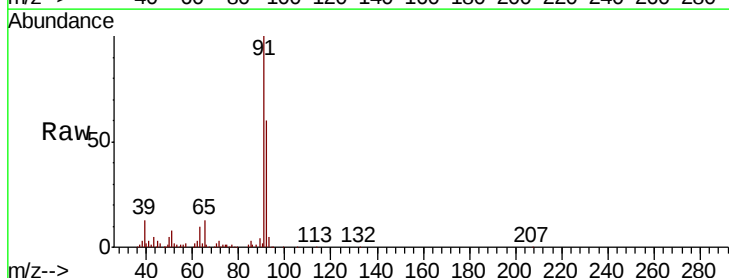
RT: 9.84 min Scan# 2193

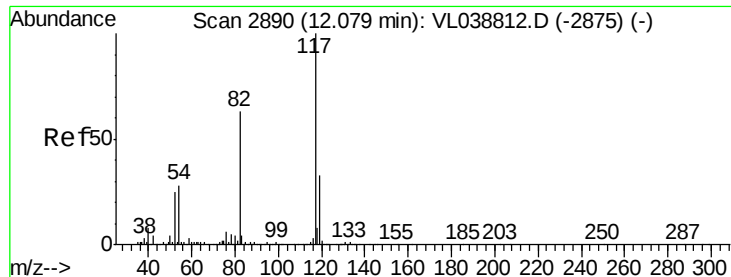
Delta R.T. 0.04 min

Lab File: VL038858.D

Acq: 8 Apr 2022 2:05

Tgt Ion: 91 Resp: 495595
Ion Ratio Lower Upper
91 100
92 60.4 49.2 73.8



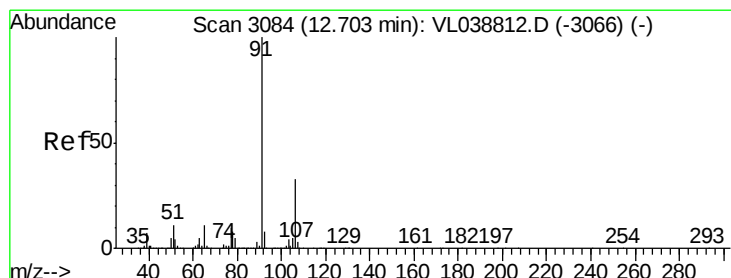
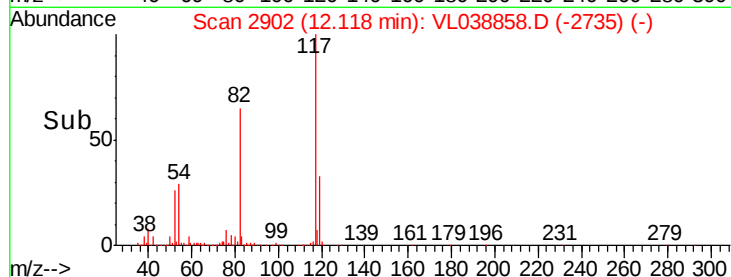
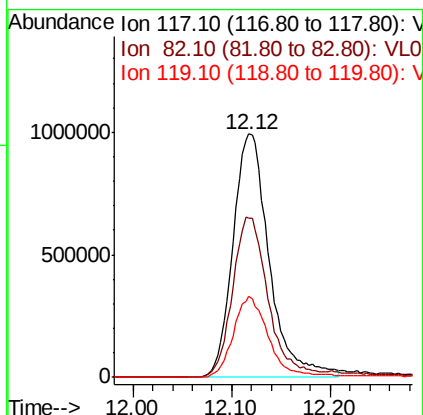
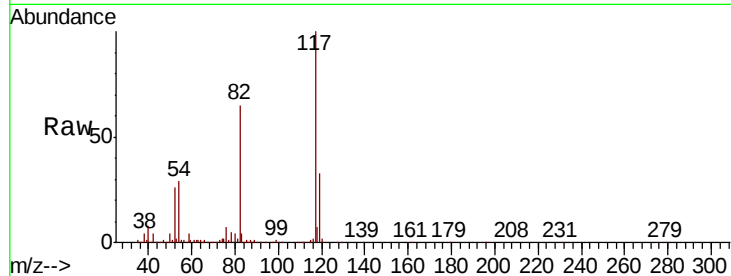


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Apr 2022 2:05

Tot Ion: 1
Ion Ratio
117 100
82 68.
119 32.

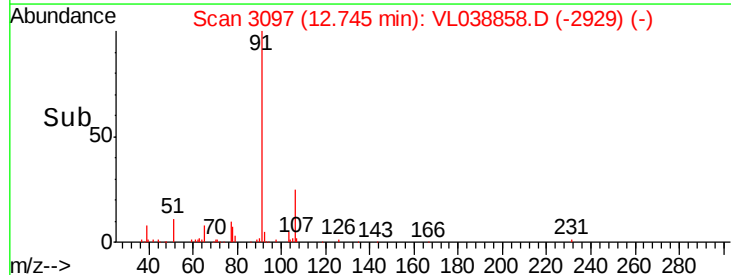
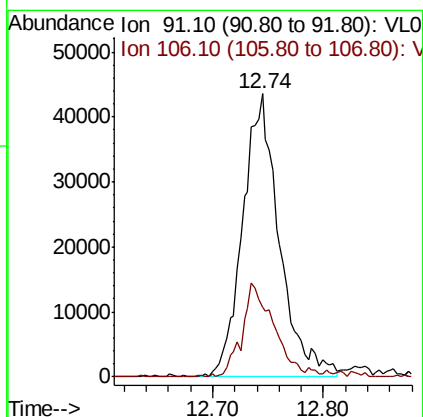
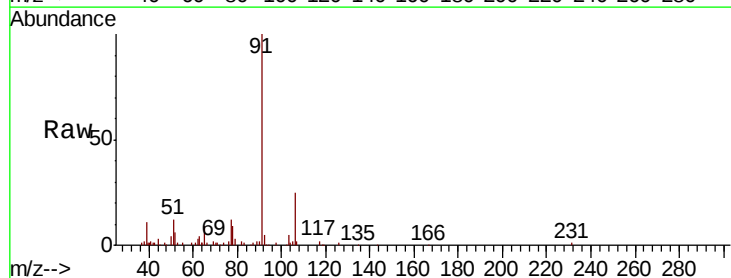
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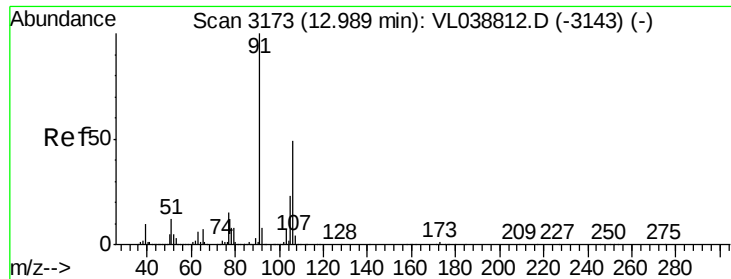
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#58
Ethyl Benzene
Concen: 0.263 ppbv m
RT: 12.74 min Scan# 3097
Delta R.T. 0.04 min
Lab File: VL038858.D
Acq: 8 Apr 2022 2:05

Tgt Ion: 91 Resp: 100015
Ion Ratio Lower Upper
91 100
106 24.8 26.7 40.1#



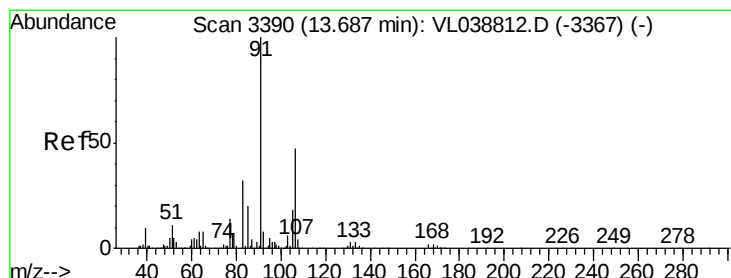
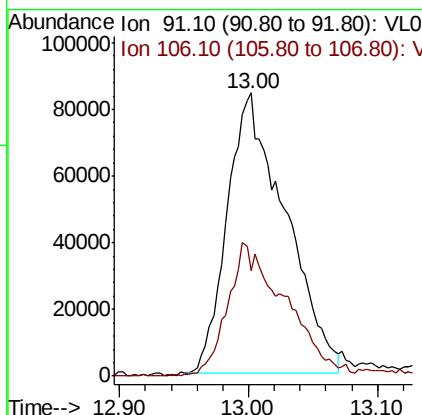
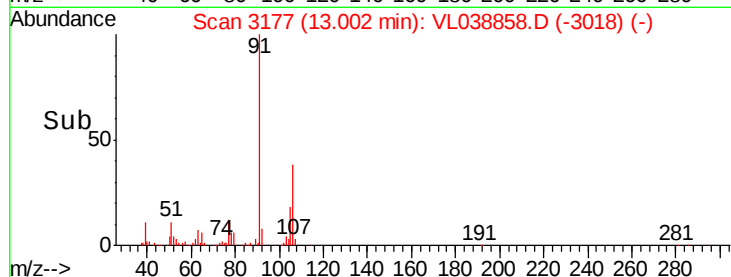
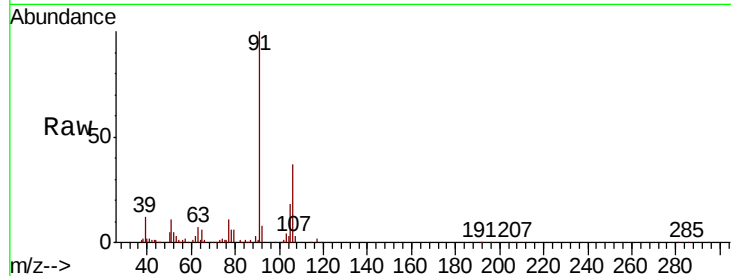


#59
m/p-Xylene
Concen: 0.826 ppbv
RT: 13.00
Delta R.T. MSVOA_1
Lab File: ClientSampled :
Acq: 8 Apr 2022 2:05

Tot Ion:
Ion Ratio
91 100
106 47.

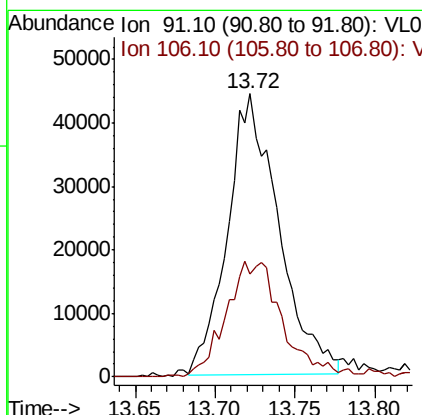
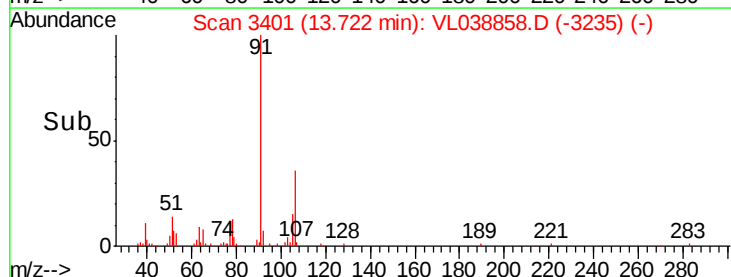
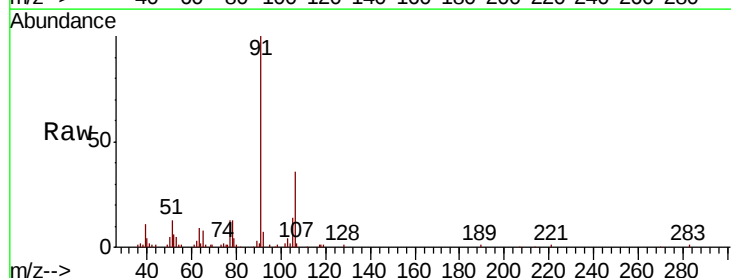
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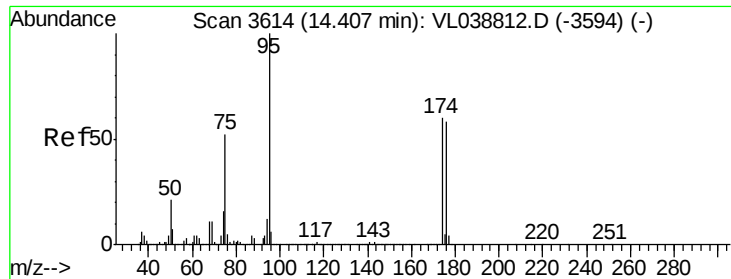
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#60
o-Xylene
Concen: 0.325 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.04 min
Lab File: VL038858.D
Acq: 8 Apr 2022 2:05

Tgt Ion: 91 Resp: 97085
Ion Ratio Lower Upper
91 100
106 47.3 23.8 71.4



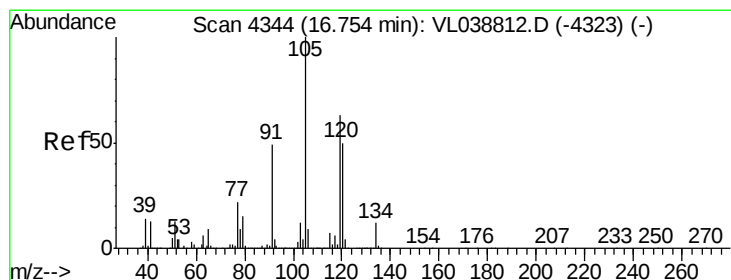
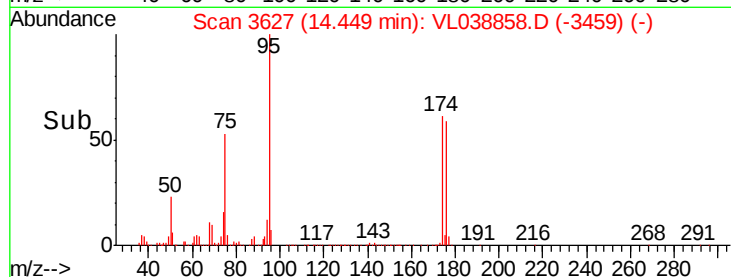
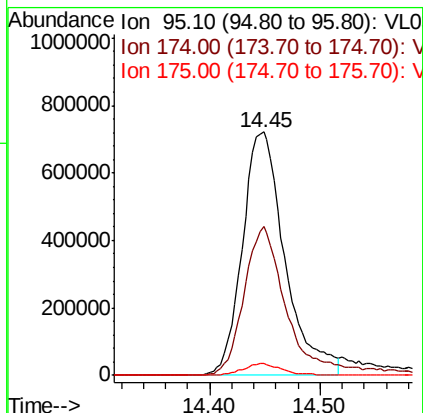
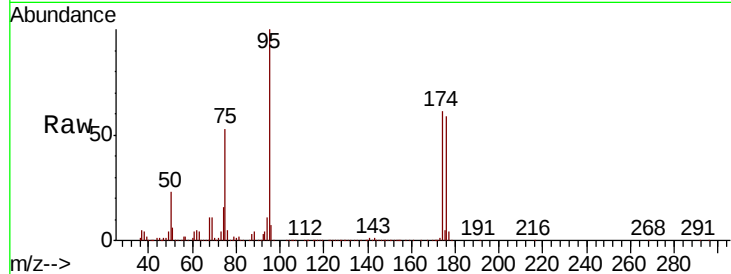


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.984 ppbv
 RT: 14.45 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1161-8-01-SG-1
 Acq: 8 Apr 2022 2:05

Tot Ion:
 Ion Ratio
 95 100
 174 64.
 175 4.

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022
 Supervised By :Mahesh Dadoda 04/11/2022



#74
 1,2,4-Trimethylbenzene
 Concen: 0.209 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. 0.04 min
 Lab File: VL038858.D
 Acq: 8 Apr 2022 2:05

Tgt Ion:105 Resp: 70895
 Ion Ratio Lower Upper
 105 100
 120 47.0 39.8 59.8
 91 9.8 39.4 59.0#
 77 12.8 17.3 25.9#

