

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030222\
 Data File : VL038499.D
 Acq On : 3 Mar 2022 2:00
 Operator : SY/AP
 Sample : N1754-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

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

Quant Time: Mar 03 04:24:11 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	5.68	49	896247	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	1970219	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	1763553	10.00	ppbv	0.04

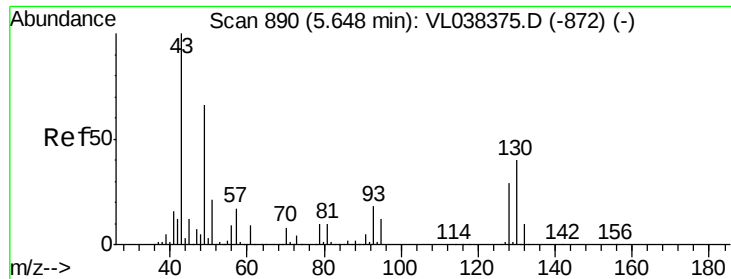
System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1496274	10.25	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.06	85	27029	0.190	ppbv	92
3) Chlorodifluoromethane	3.00	51	719940	4.549	ppbv	96
4) Chloromethane	3.15	50	26610	0.484	ppbv	89
9) Propene	3.03	41	80317	1.537	ppbv #	76
11) Trichlorofluoromethane	3.96	101	27437	0.202	ppbv	92
13) Ethanol	3.63	45	12579390	2412.221	ppbv	91
15) Acetone	3.86	43	1234380	16.196	ppbv	100
17) tert-Butyl alcohol	4.33	59	50292m	0.661	ppbv	
19) Isopropyl Alcohol	3.99	45	2783626	63.070	ppbv	99
20) Methylene Chloride	4.36	84	42415	1.123	ppbv	92
22) trans-1,2-Dichloroethene	4.90	96	15788m	0.358	ppbv	
25) Ethyl Acetate	5.68	43	247087	1.207	ppbv #	92
34) 2-Butanone	5.25	43	59897	0.967	ppbv	94
35) Carbon Tetrachloride	7.03	117	14037	0.101	ppbv	93
36) Benzene	6.90	78	37179	0.214	ppbv #	90
52) Tetrachloroethene	11.23	164	60449	1.050	ppbv	94
53) Toluene	9.81	91	152503	0.810	ppbv	98
59) m/p-Xylene	12.99	91	23775m	0.115	ppbv	
61) Styrene	13.54	104	11928m	0.132	ppbv	
69) p-Isopropyltoluene	17.66	119	69261m	0.273	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 2:00

Tot Ion:

Ion Ratio

49 100

128 43.

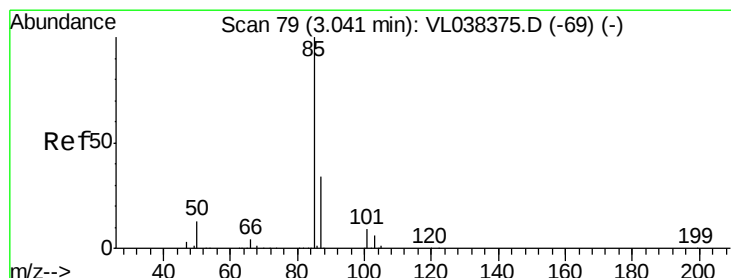
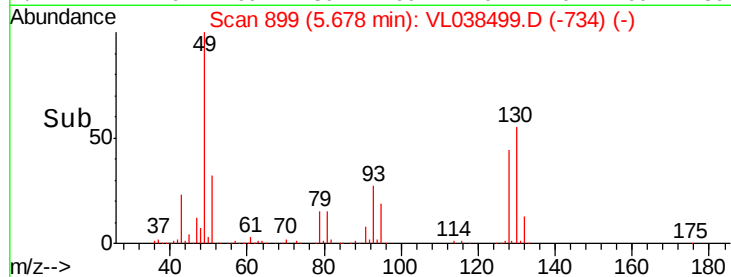
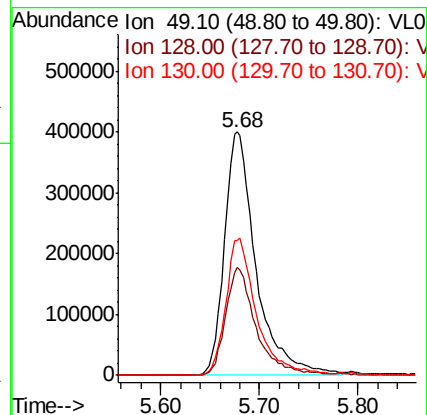
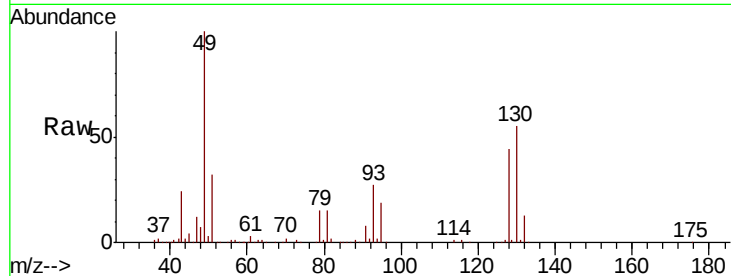
130 55.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#2

Dichlorodifluoromethane

Concen: 0.190 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.02 min

Lab File: VL038499.D

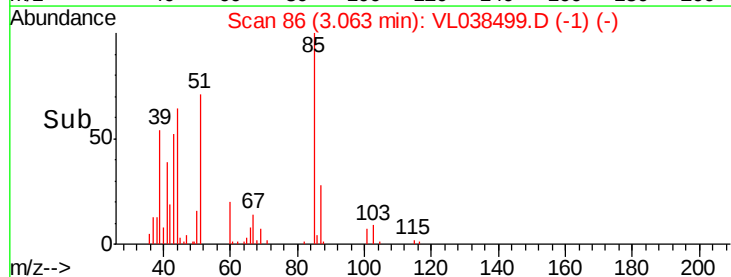
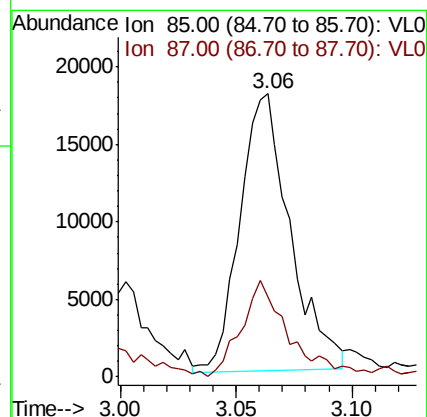
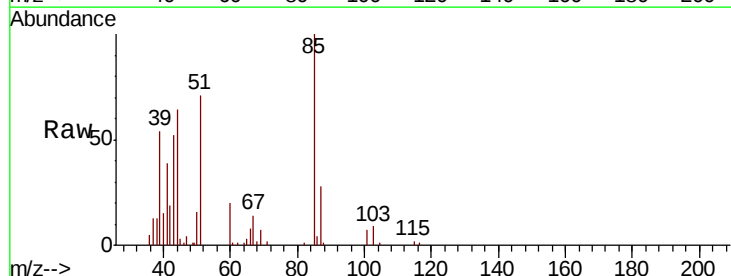
Acq: 3 Mar 2022 2:00

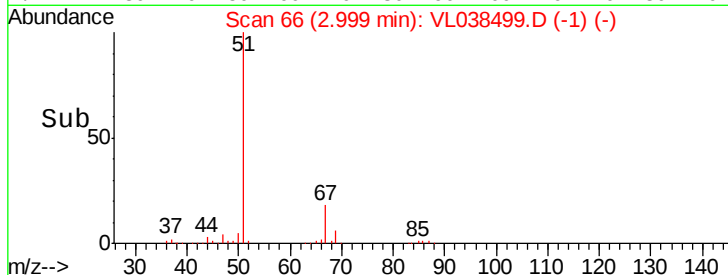
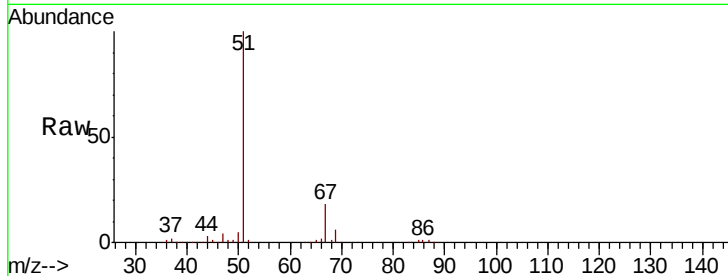
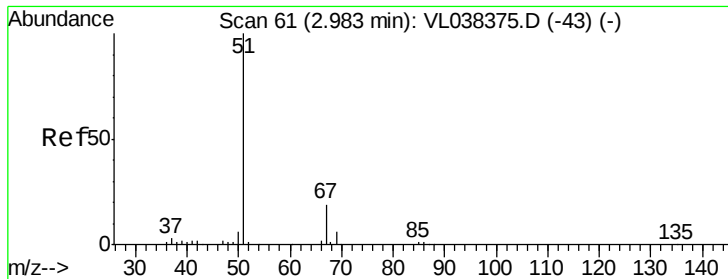
Tgt Ion: 85 Resp: 27029

Ion Ratio Lower Upper

85 100

87 29.5 27.4 41.0



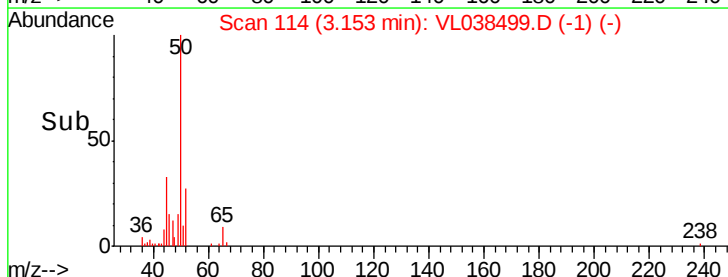
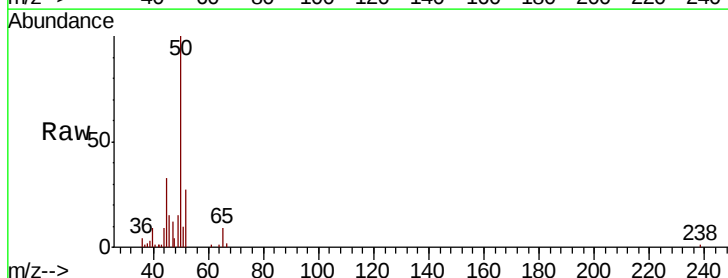
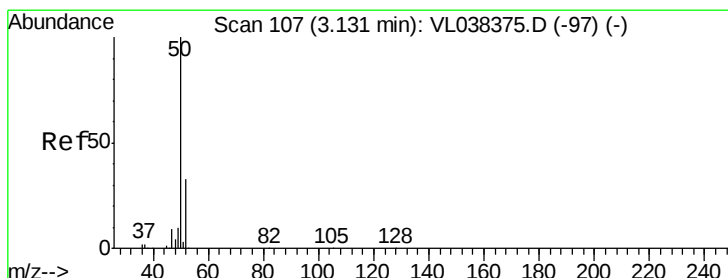
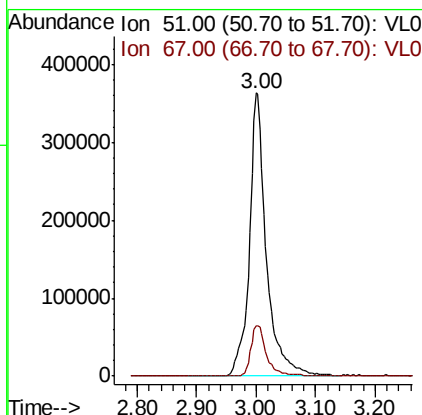


#3
Chlorodifluoromethane
Concen: 4.549 ppbv
RT: 3.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 2:00

Tot Ion:
Ion Ratio
51 100
67 16.

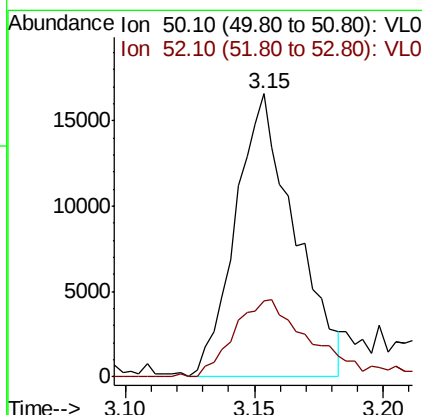
Manual Integrations
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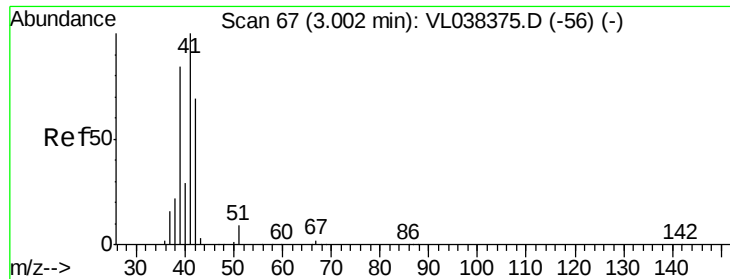
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#4
Chloromethane
Concen: 0.484 ppbv
RT: 3.15 min Scan# 114
Delta R.T. 0.02 min
Lab File: VL038499.D
Acq: 3 Mar 2022 2:00

Tgt Ion: 50 Resp: 26610
Ion Ratio Lower Upper
50 100
52 26.9 26.5 39.7





#9

Propene

Concen: 1.537 ppbv

RT: 3.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 2:00

Tot Ion:

Ion Ratio

41 100

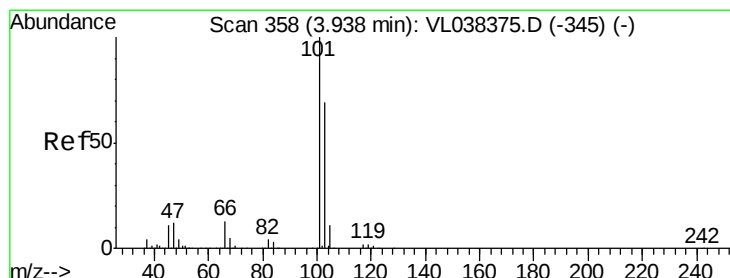
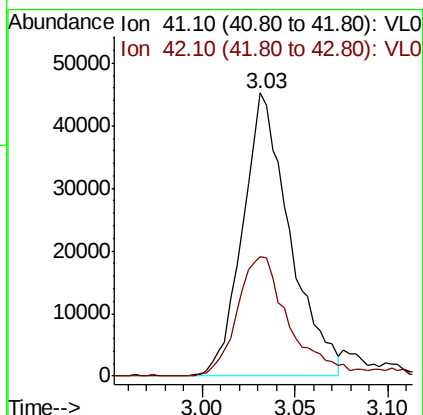
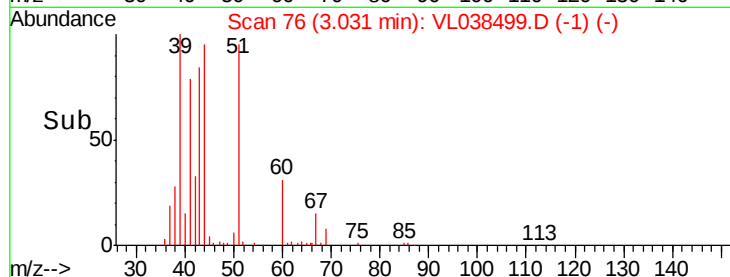
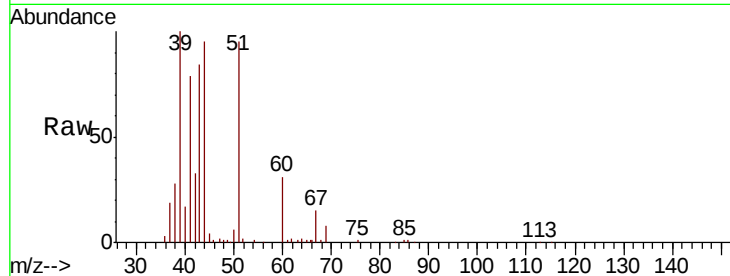
42 48.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#11

Trichlorofluoromethane

Concen: 0.202 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.03 min

Lab File: VL038499.D

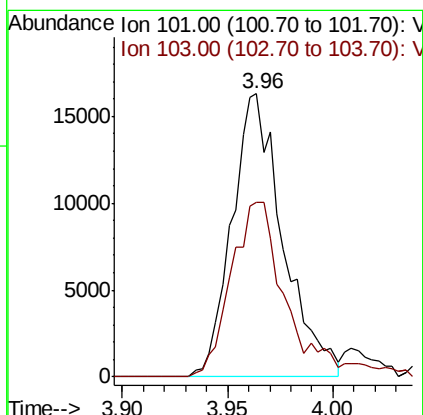
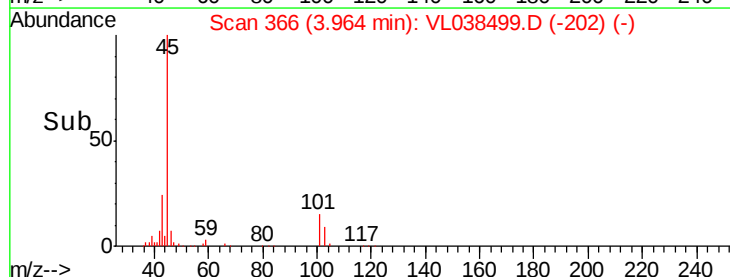
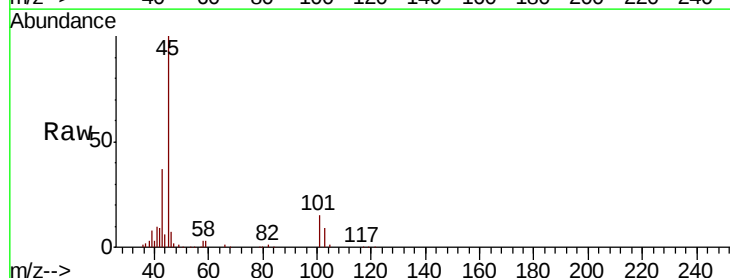
Acq: 3 Mar 2022 2:00

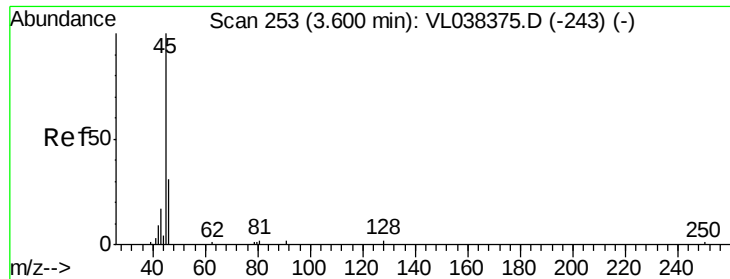
Tgt Ion:101 Resp: 27437

Ion Ratio Lower Upper

101 100

103 61.9 55.0 82.4



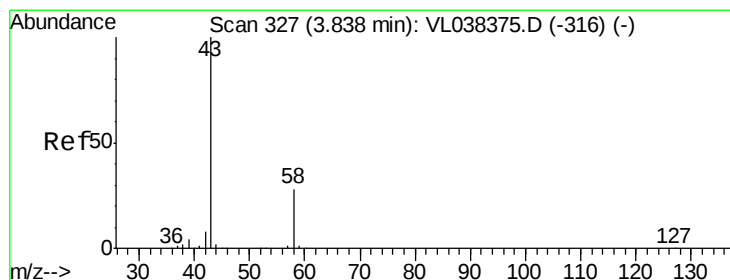
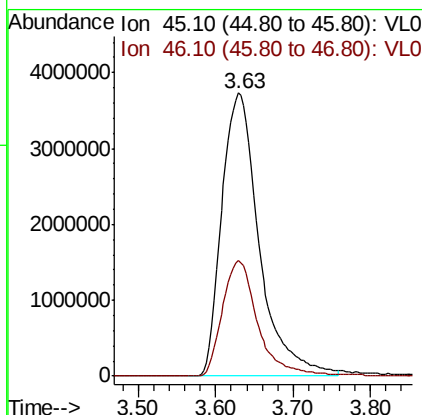
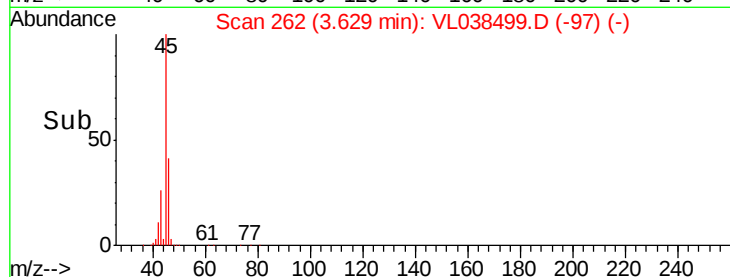
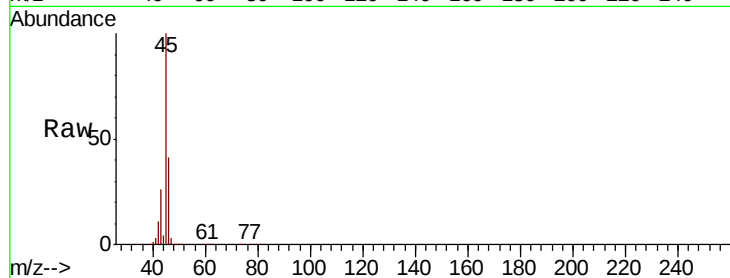


#13
Ethanol
Concen: 2412.221 ppbv
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 2:00

Tot Ion:
Ion Ratio
45 100
46 39.

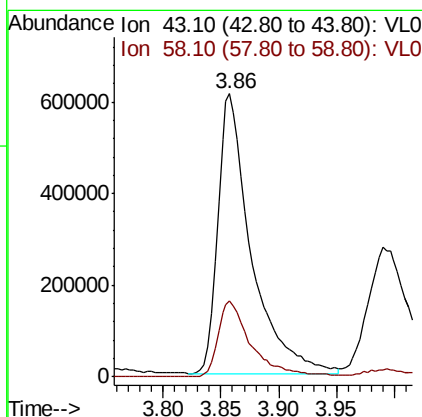
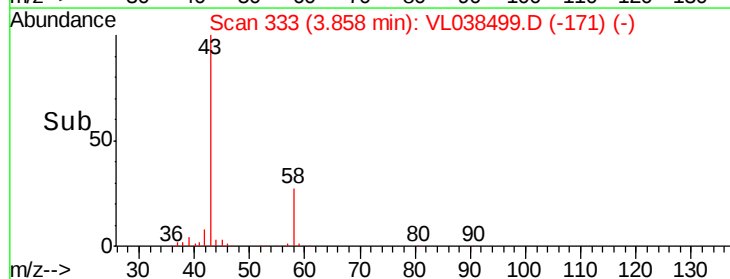
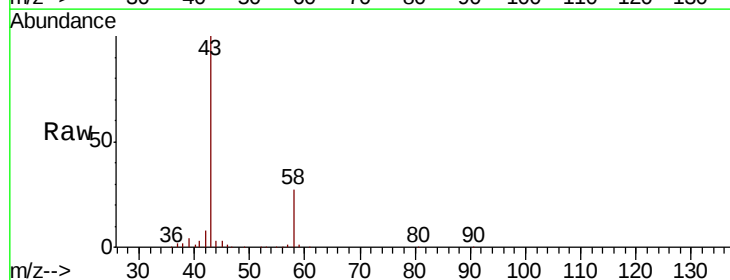
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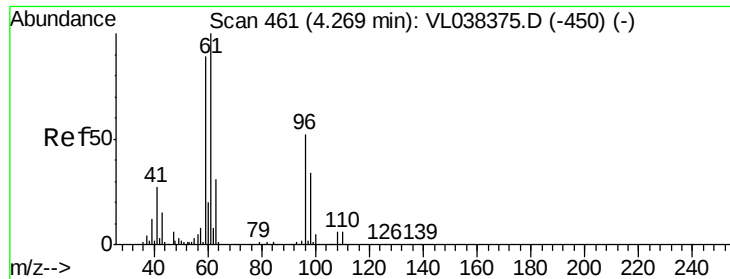
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#15
Acetone
Concen: 16.196 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL038499.D
Acq: 3 Mar 2022 2:00

Tgt Ion: 43 Resp: 1234380
Ion Ratio Lower Upper
43 100
58 27.2 21.7 32.5



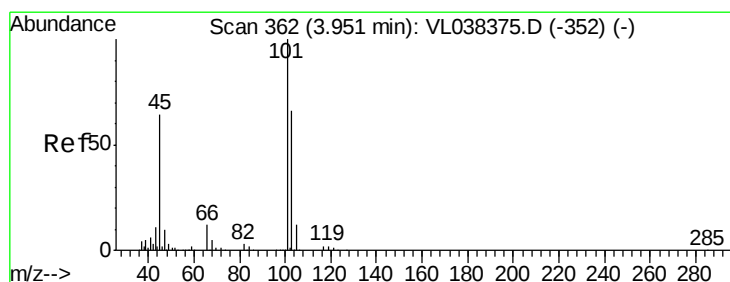
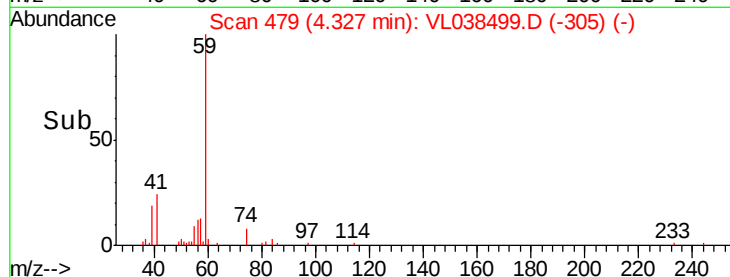
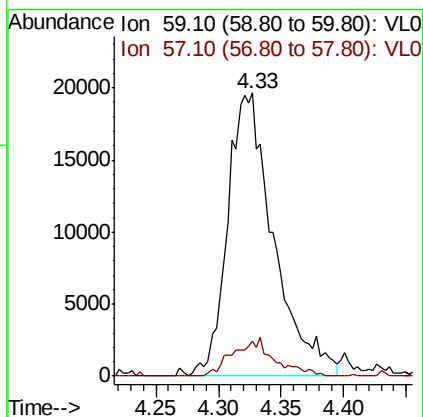
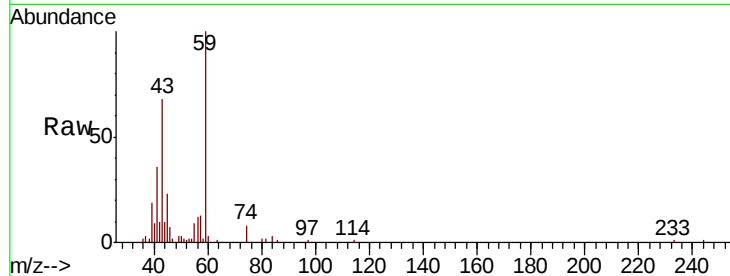


#17
tert-Butyl alcohol
Concen: 0.661 ppbv m
RT: 4.33
Instrument : MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 3 Mar 2022 2:00

Tot Ion:
Ion Ratio
59 100
57 22.

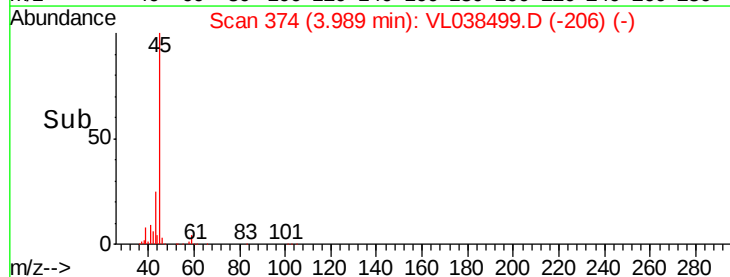
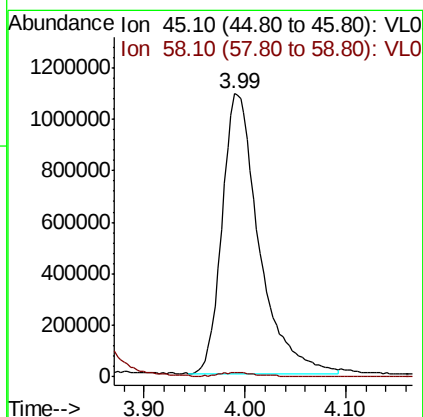
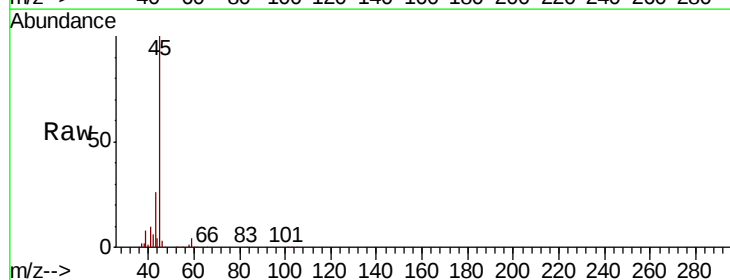
Manual Integrations
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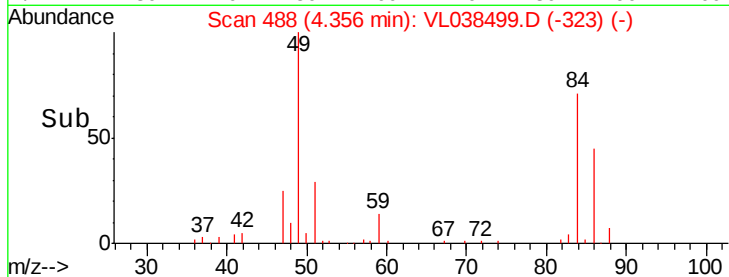
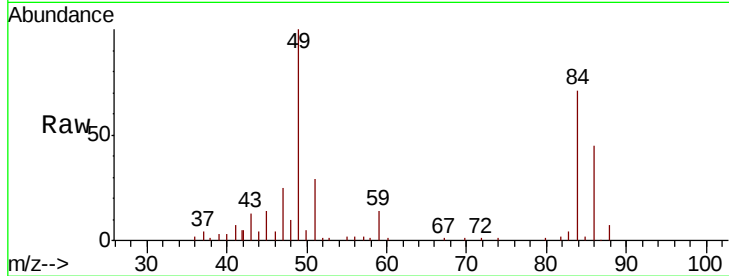
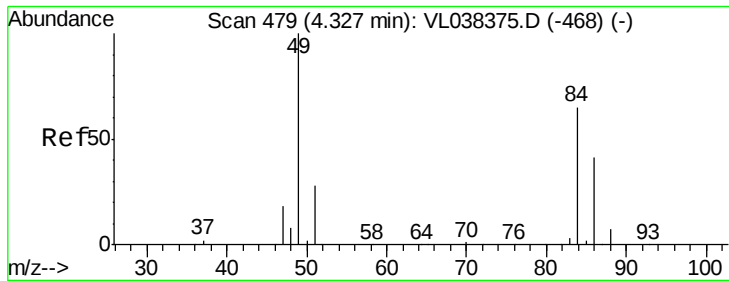
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#19
Isopropyl Alcohol
Concen: 63.070 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.04 min
Lab File: VL038499.D
Acq: 3 Mar 2022 2:00

Tgt Ion: 45 Resp: 2783626
Ion Ratio Lower Upper
45 100
58 1.9 1.8 2.8



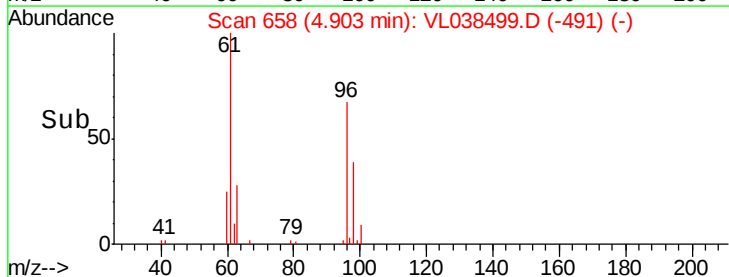
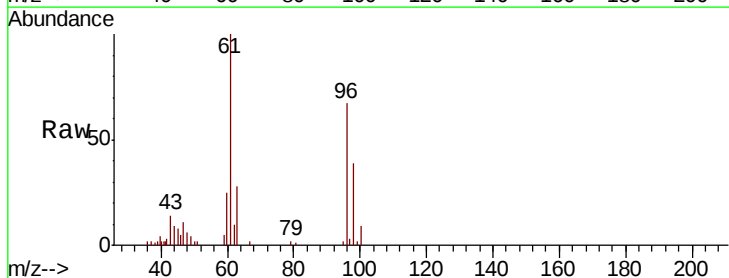
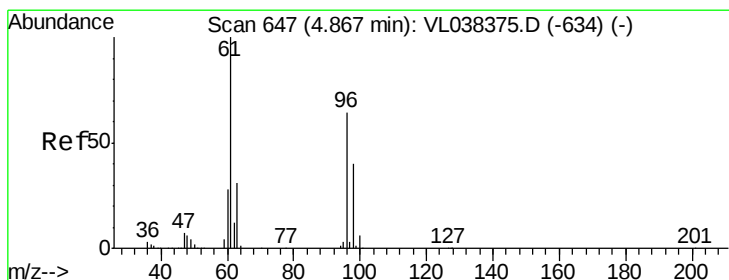
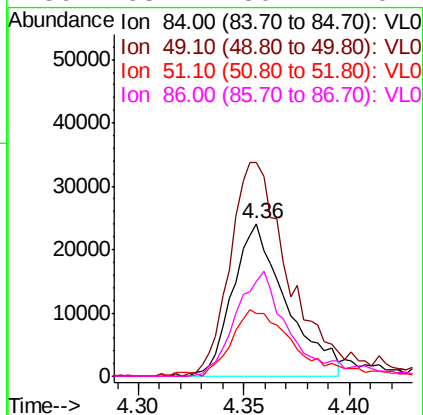


#20
Methvlene Chloride
Concen: 1.123 ppbv
RT: 4.36
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 2:00

Tot Ion:
Ion Ratio
84 100
49 138.
51 38.
86 63.1 50.7 76.1

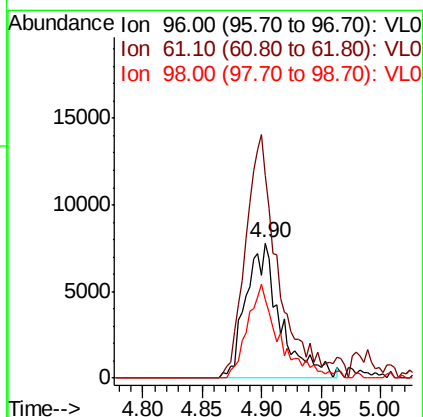
Manual Integrations
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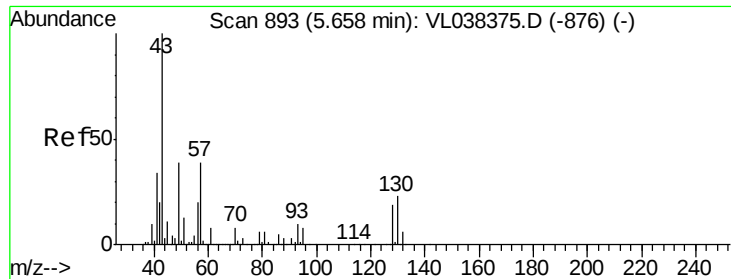
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#22
trans-1,2-Dichloroethene
Concen: 0.358 ppbv
RT: 4.90 min Scan# 658
Delta R.T. 0.04 min
Lab File: VL038499.D
Acq: 3 Mar 2022 2:00

Tgt Ion: 96 Resp: 15788
Ion Ratio Lower Upper
96 100
61 149.2 124.2 186.4
98 57.5 49.1 73.7



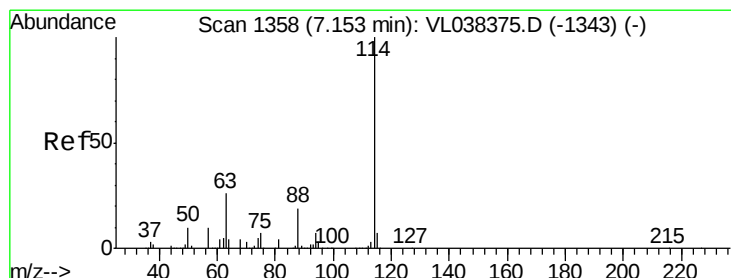
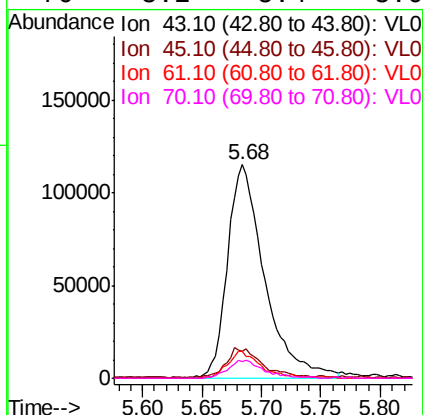
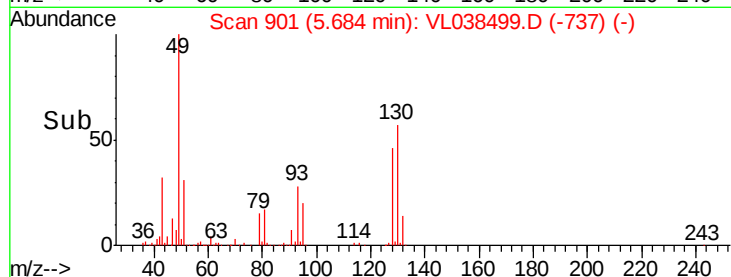
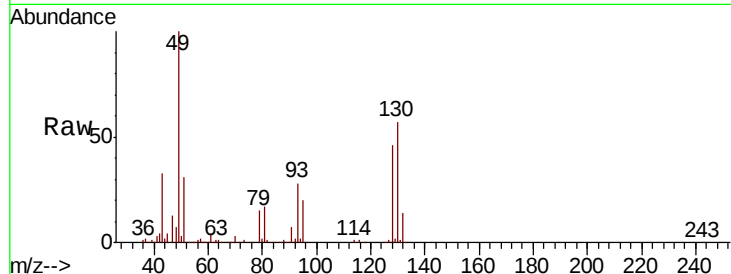


#25
Ethyl Acetate
Concen: 1.207 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Mar 2022 2:00

Tot Ion:
Ion Ratio
43 100
45 13.
61 11.
70 8.2 5.4 8.0#

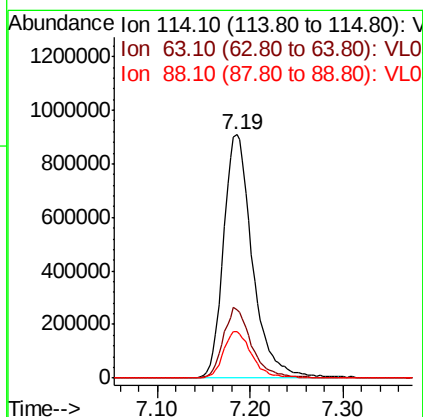
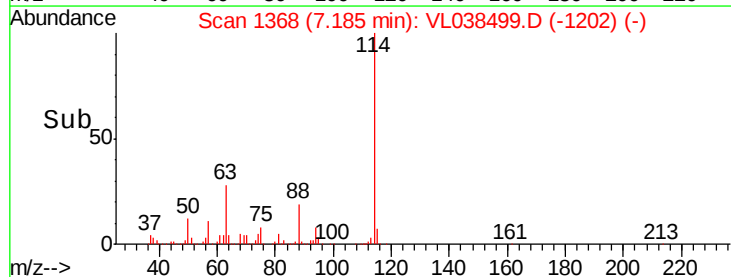
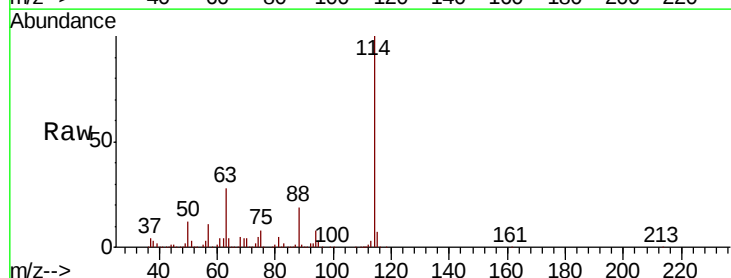
Manual Integrations
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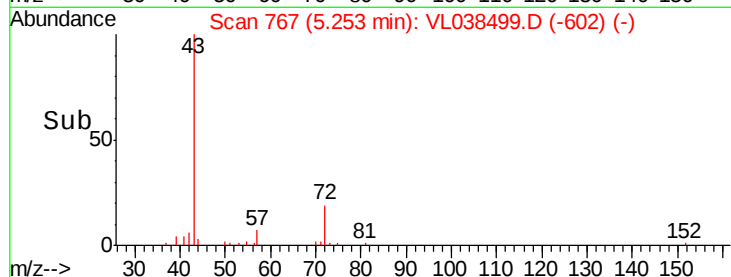
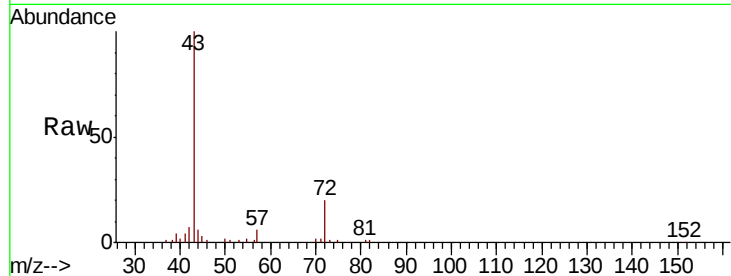
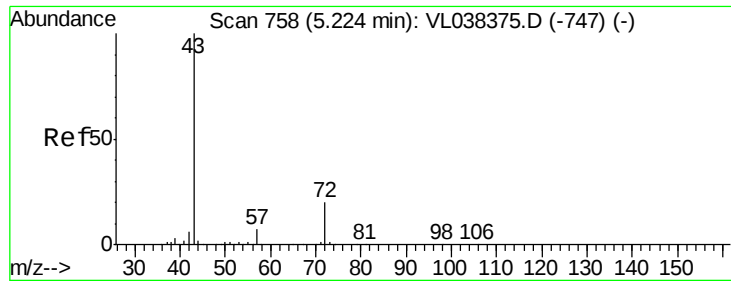
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.03 min
Lab File: VL038499.D
Acq: 3 Mar 2022 2:00

Tgt Ion:114 Resp: 1970219
Ion Ratio Lower Upper
114 100
63 28.4 22.2 33.2
88 19.0 15.2 22.8



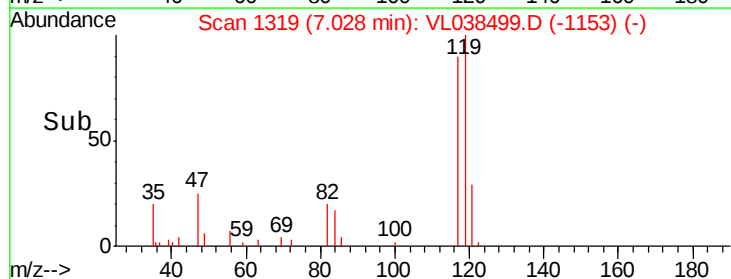
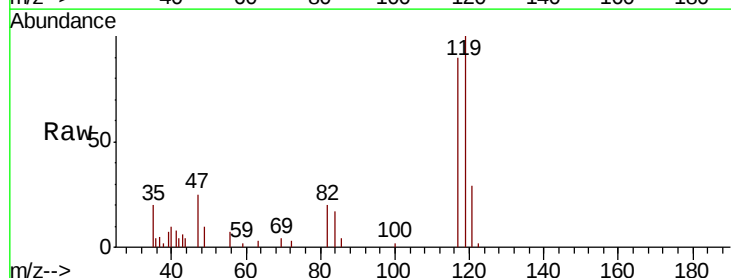
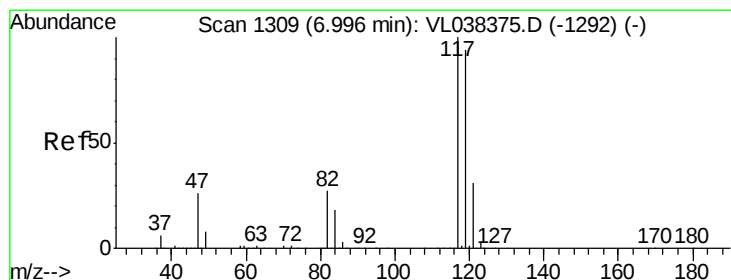
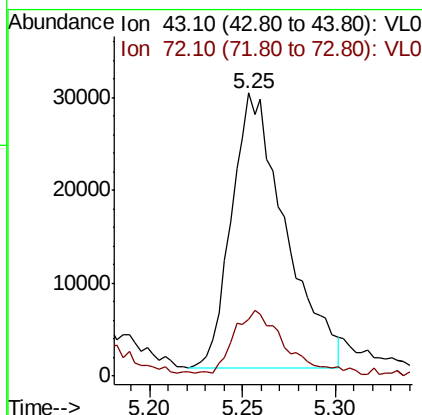


#34
2-Butanone
Concen: 0.967 ppbv
RT: 5.25
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 2:00

Tot Ion:
Ion Ratio
43 100
72 24.

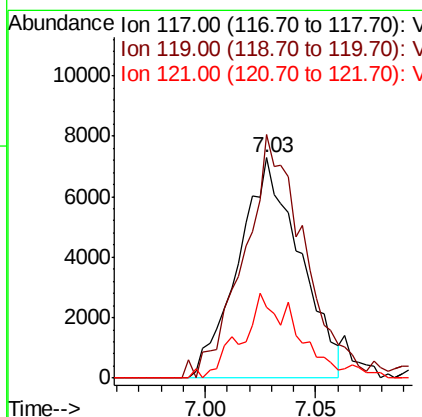
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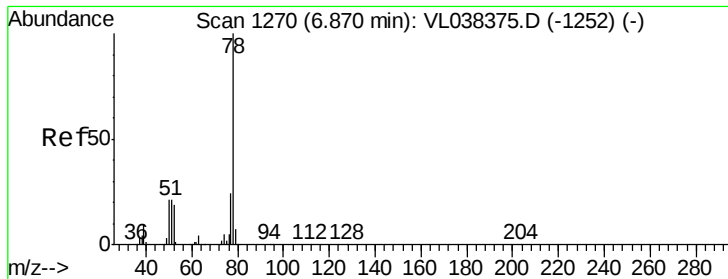
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#35
Carbon Tetrachloride
Concen: 0.101 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.03 min
Lab File: VL038499.D
Acq: 3 Mar 2022 2:00

Tgt Ion:117 Resp: 14037
Ion Ratio Lower Upper
117 100
119 102.3 74.9 112.3
121 32.1 24.8 37.2





#36

Benzene

Concen: 0.214 ppbv

RT: 6.90 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 2:00

Tot Ion:

Ion Ratio

78 100

77 21.

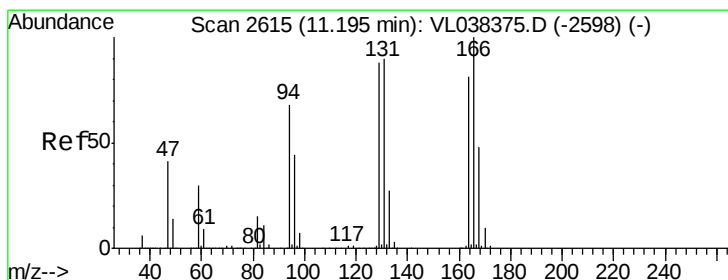
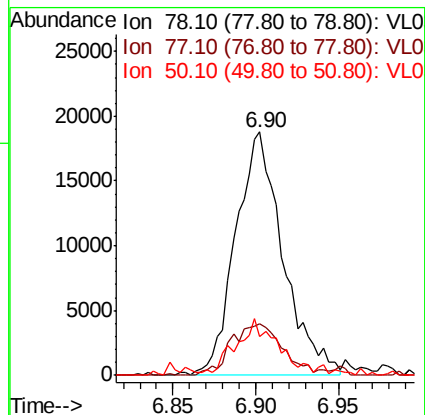
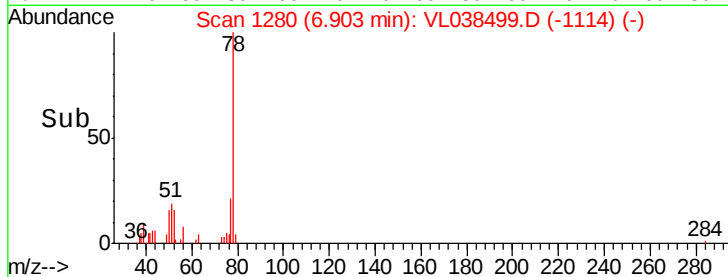
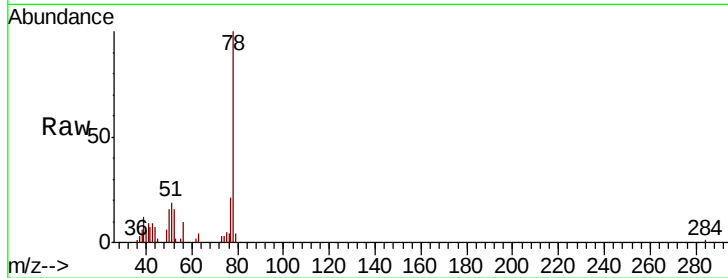
50 13.

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#52

Tetrachloroethene

Concen: 1.050 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. 0.04 min

Lab File: VL038499.D

Acq: 3 Mar 2022 2:00

Tgt Ion:164 Resp: 60449

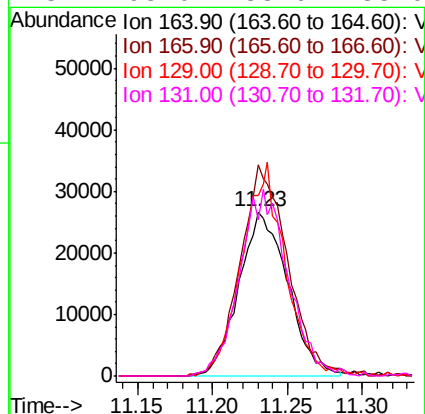
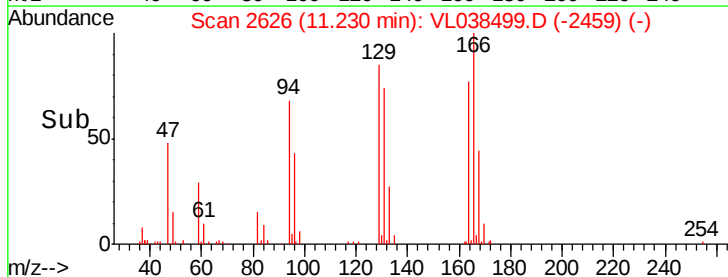
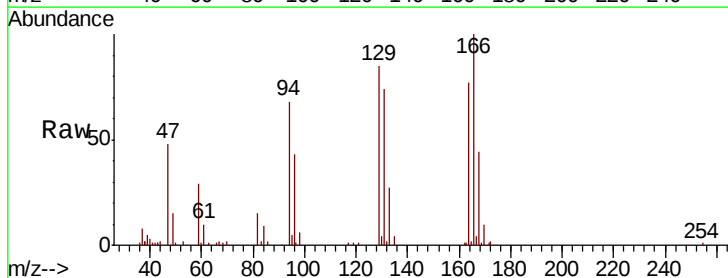
Ion Ratio Lower Upper

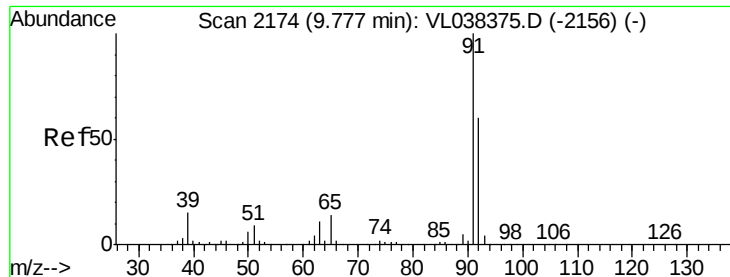
164 100

166 128.5 98.6 148.0

129 108.6 86.9 130.3

131 95.0 88.6 133.0





#53

Toluene

Concen: 0.810 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampled :

Acq: 3 Mar 2022 2:00

Tot Ion:

Ion Ratio

91 100

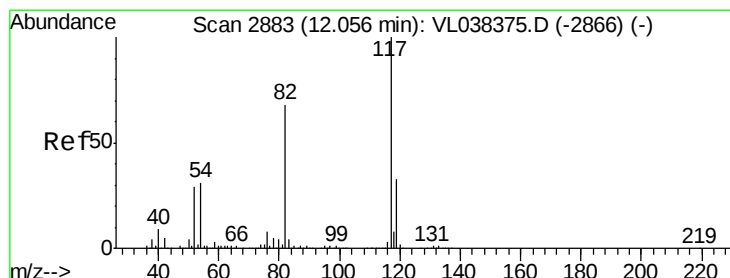
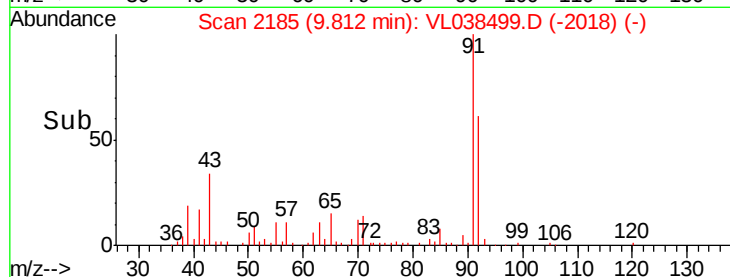
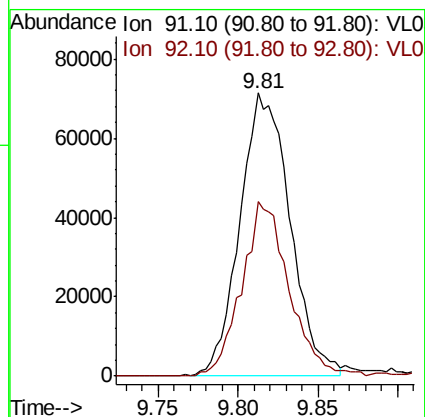
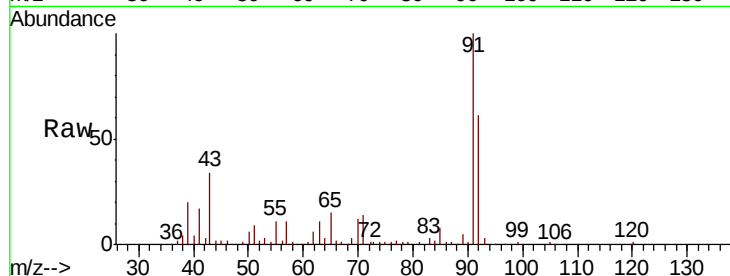
92 59.

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: 12.10 min Scan# 2896

Delta R.T. 0.04 min

Lab File: VL038499.D

Acq: 3 Mar 2022 2:00

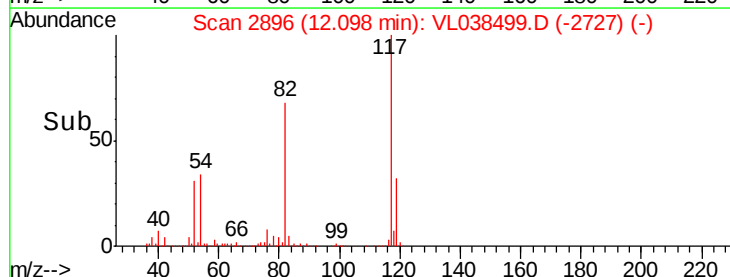
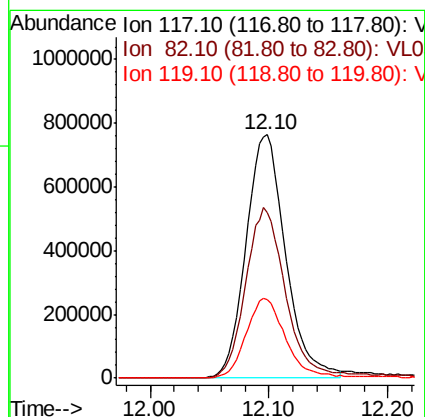
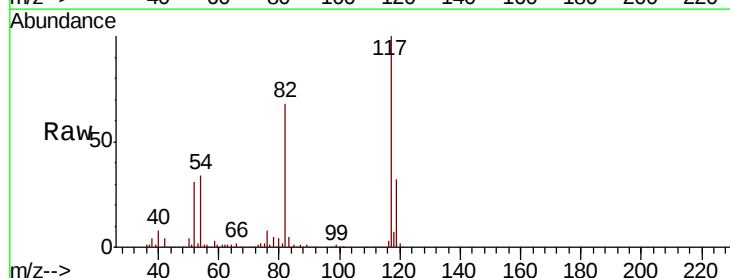
Tgt Ion:117 Resp: 1763553

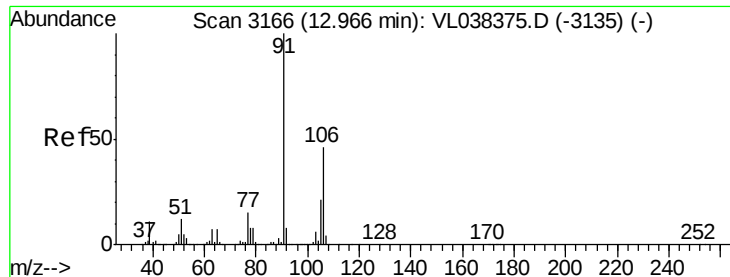
Ion Ratio Lower Upper

117 100

82 73.3 54.9 82.3

119 33.5 46.1 69.1#



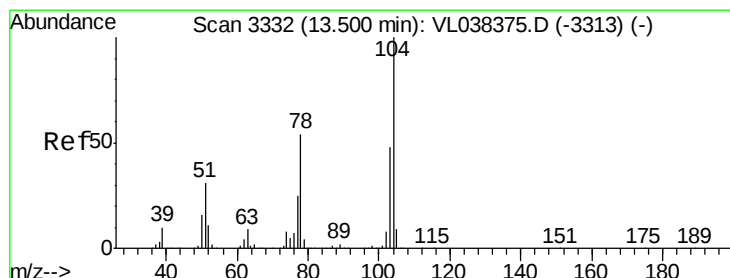
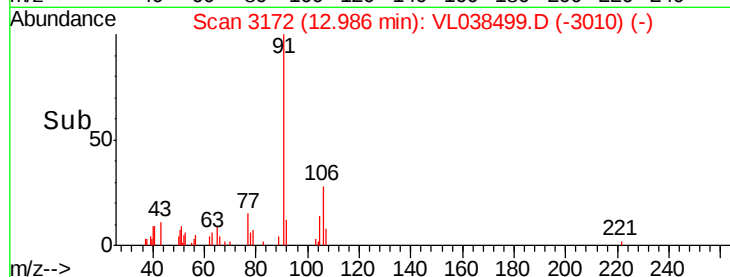
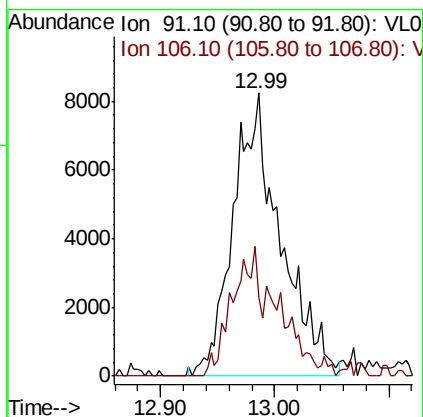
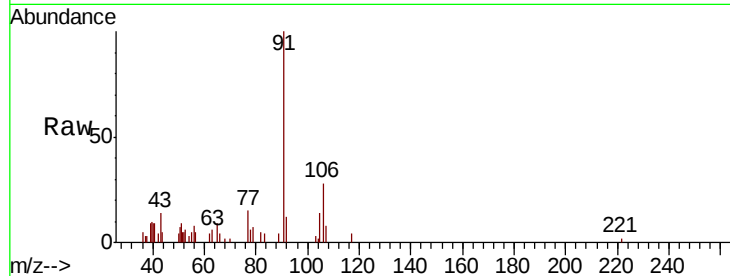


#59
m/p-Xylene
Concen: 0.115 ppbv m
RT: 12.99
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Mar 2022 2:00

Tot Ion:
Ion Ratio
91 100
106 0.

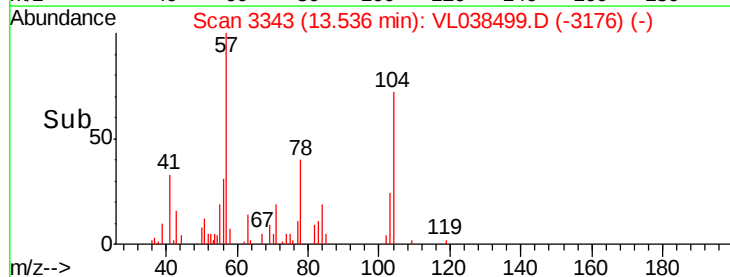
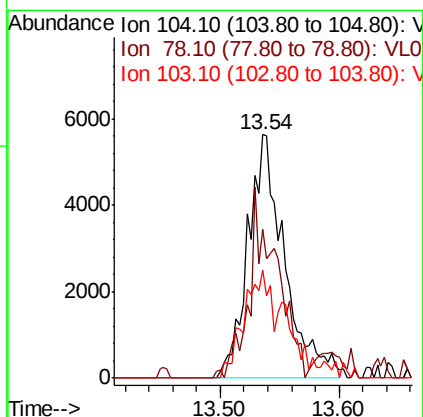
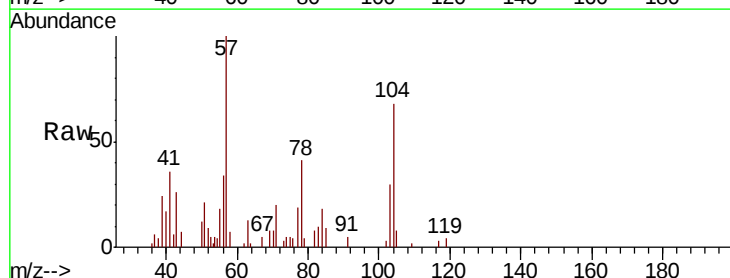
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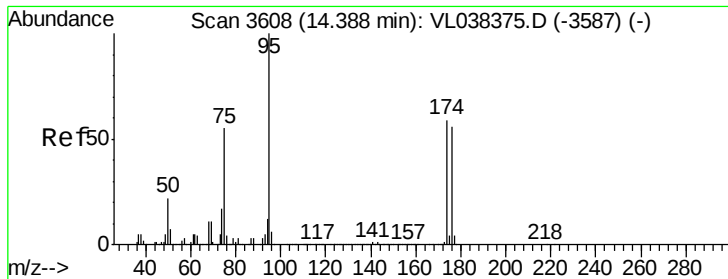
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#61
Styrene
Concen: 0.132 ppbv m
RT: 13.54 min Scan# 3343
Delta R.T. 0.04 min
Lab File: VL038499.D
Acq: 3 Mar 2022 2:00

Tgt Ion:104 Resp: 11928
Ion Ratio Lower Upper
104 100
78 69.6 44.2 66.4#
103 52.7 38.4 57.6



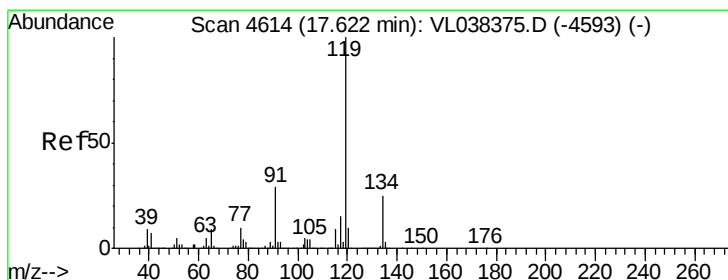
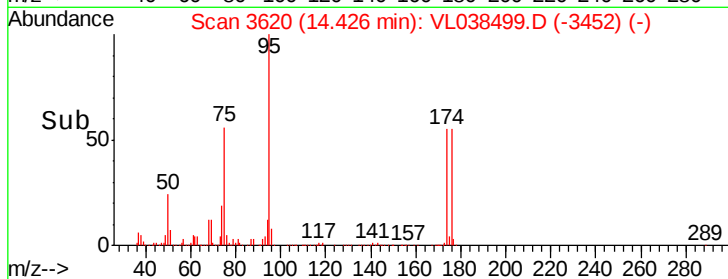
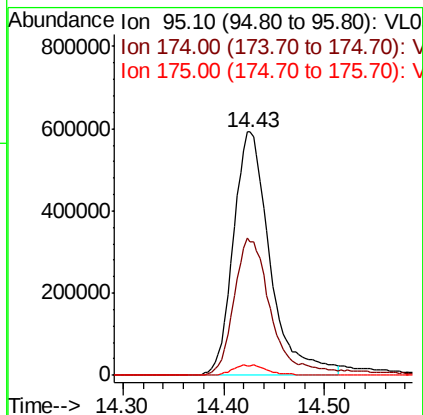
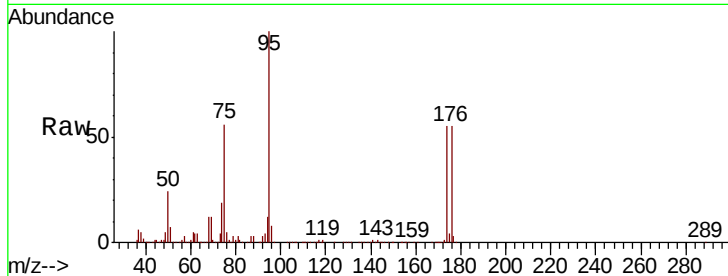


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.254 ppbv
 RT: 14.43 min
 Delta R.T.: 0.04 min
 Lab File: VL038375.D
 Acq: 3 Mar 2022 2:00

Tot Ion:
 Ion Ratio
 95 100
 174 59.1
 175 4.1

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



#69
 p-Isopropyltoluene
 Concen: 0.273 ppbv m
 RT: 17.66 min Scan# 4627
 Delta R.T.: 0.04 min
 Lab File: VL038499.D
 Acq: 3 Mar 2022 2:00

Tgt Ion:119 Resp: 69261
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.4 30.6#
 91 0.0 23.8 35.8#

