

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121621\
 Data File : VL038209.D
 Acq On : 17 Dec 2021 4:17
 Operator : SY/AP
 Sample : M5117-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 AA-1

Manual Integrations
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Reviewed By :Amit Patel 12/20/2021
 Supervised By :Mahesh Dadoda 12/20/2021

Quant Time: Dec 18 04:49:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

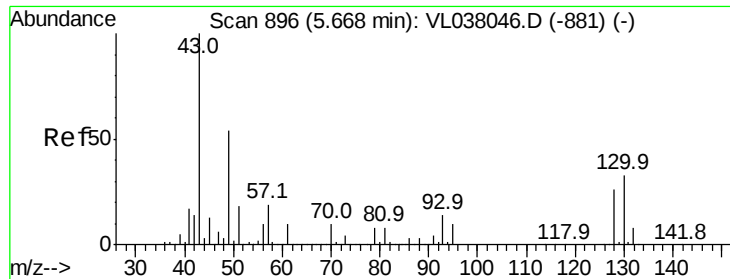
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	769545	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2316345	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2014241	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1379393	9.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	26895	0.212	ppbv	93
3) Chlorodifluoromethane	3.00	51	30902m	0.191	ppbv	
4) Chloromethane	3.15	50	24438	0.444	ppbv	98
9) Propene	3.03	41	36457	0.613	ppbv	83
10) Heptane	8.12	43	19337m	0.131	ppbv	
11) Trichlorofluoromethane	3.96	101	23490m	0.194	ppbv	
13) Ethanol	3.61	45	71013m	12.347	ppbv	
15) Acetone	3.86	43	386014	5.786	ppbv	97
19) Isopropyl Alcohol	3.98	45	66270m	1.375	ppbv	
20) Methylene Chloride	4.35	84	377139	10.092	ppbv	95
26) Hexane	5.69	57	350708	3.281	ppbv #	44
34) 2-Butanone	5.26	43	93311m	0.999	ppbv	
35) Carbon Tetrachloride	7.02	117	5760m	0.035	ppbv	
36) Benzene	6.90	78	41415	0.179	ppbv #	92
41) Tetrahydrofuran	6.07	42	44155m	0.762	ppbv	
53) Toluene	9.81	91	179043	0.673	ppbv	100
59) m/p-Xylene	12.97	91	60321m	0.215	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Dec 2021 4:17

Tot Ion:

Ion Ratio

49 100

128 51.

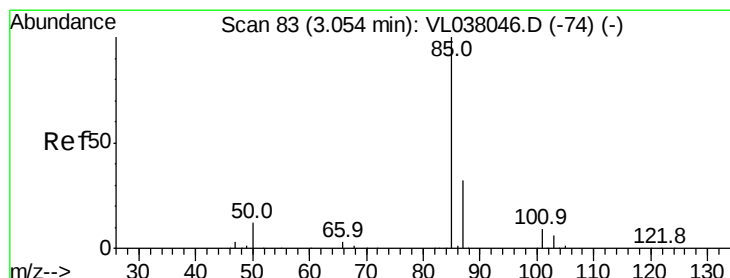
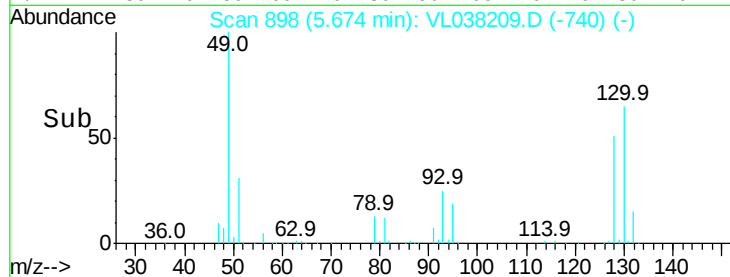
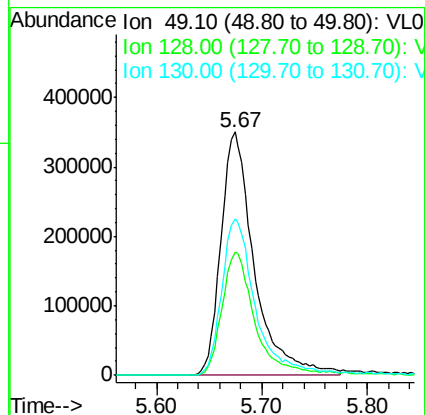
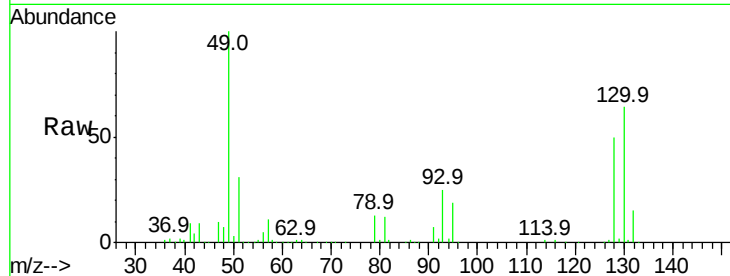
130 67.

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 0.212 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.00 min

Lab File: VL038209.D

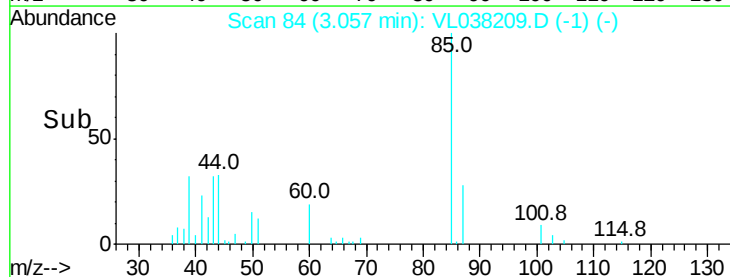
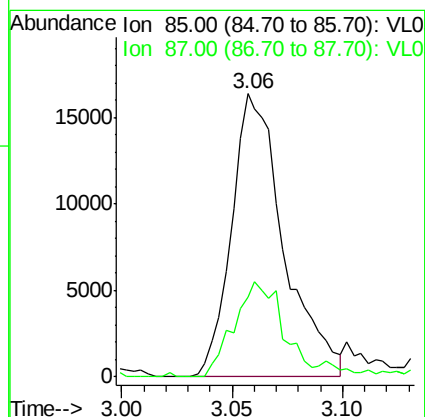
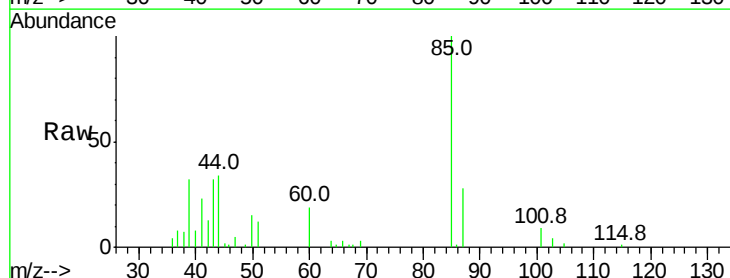
Acq: 17 Dec 2021 4:17

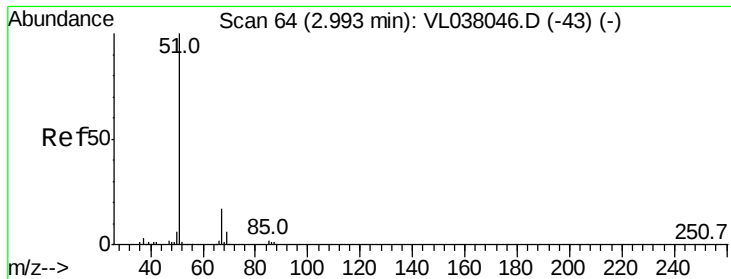
Tgt Ion: 85 Resp: 26895

Ion Ratio Lower Upper

85 100

87 28.3 25.8 38.6





#3

Chlorodifluoromethane

Concen: 0.191 ppbv m

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Dec 2021 4:17

Tot Ion:

Ion Ratio

51 100

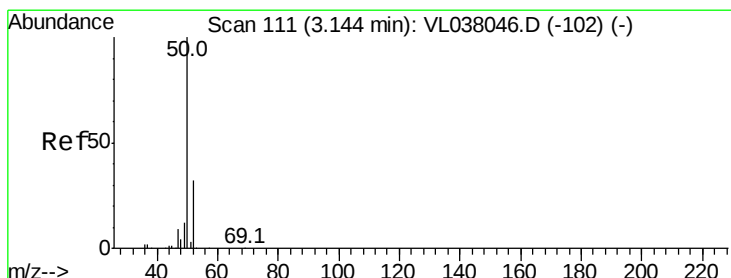
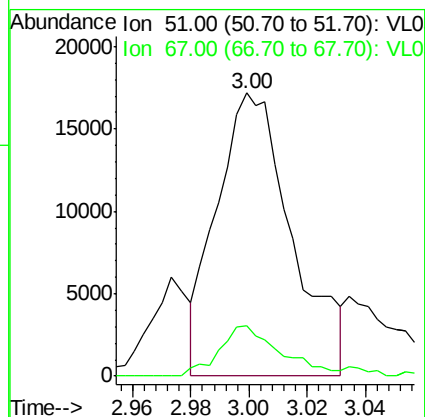
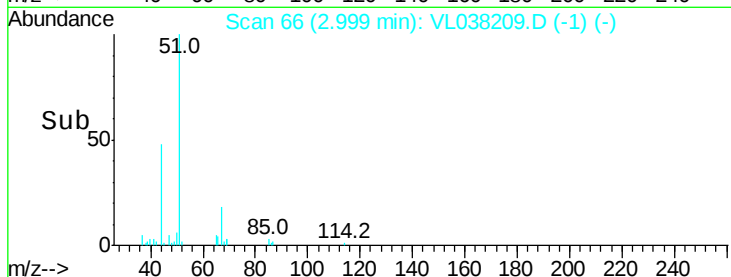
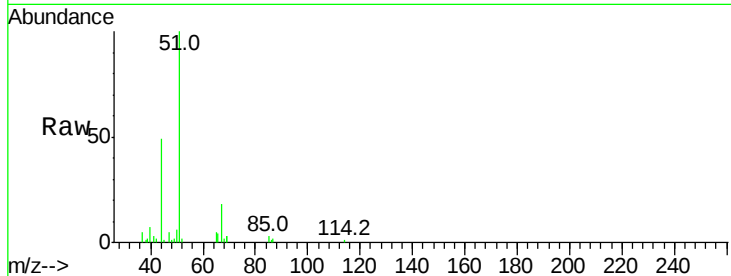
67 16.

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#4

Chloromethane

Concen: 0.444 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL038209.D

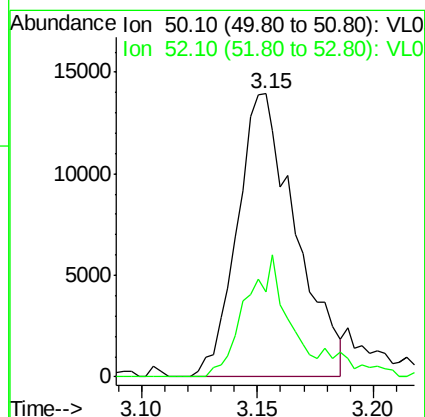
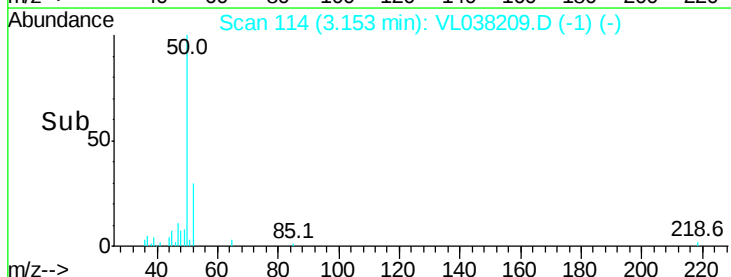
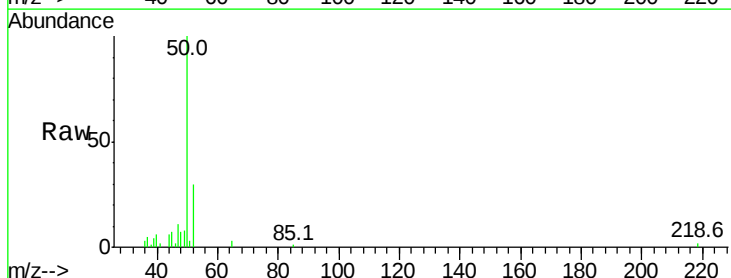
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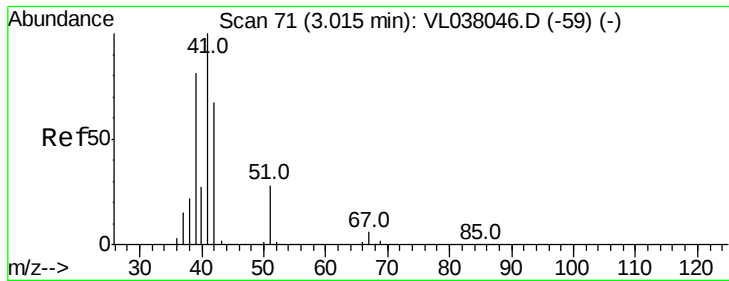
Tgt Ion: 50 Resp: 24438

Ion Ratio Lower Upper

50 100

52 30.5 25.4 38.0





#9

Propene

Concen: 0.613 ppbv

RT: 3.03 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 Dec 2021 4:17

Tot Ion:

Ion Ratio

41 100

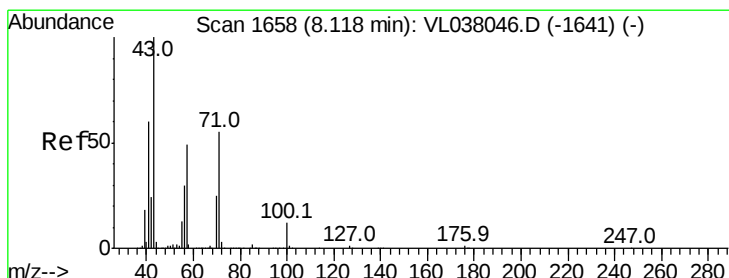
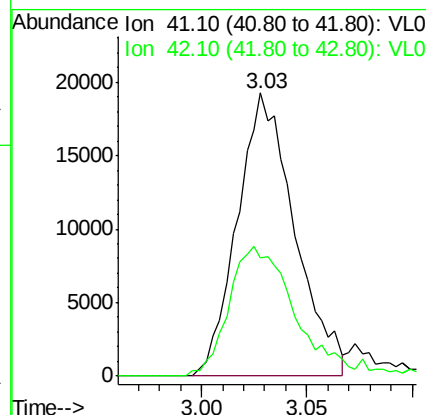
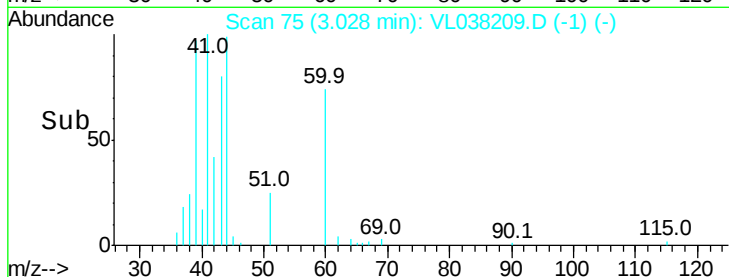
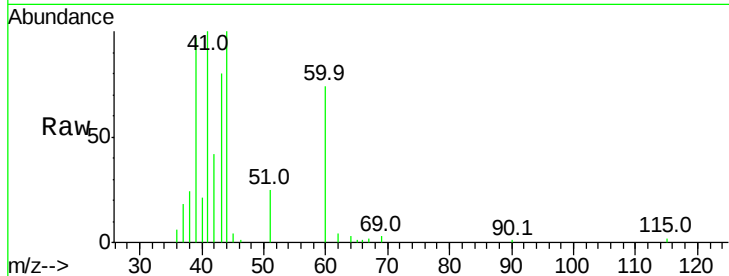
42 53.

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#10

Heptane

Concen: 0.131 ppbv m

RT: 8.12 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VL038209.D

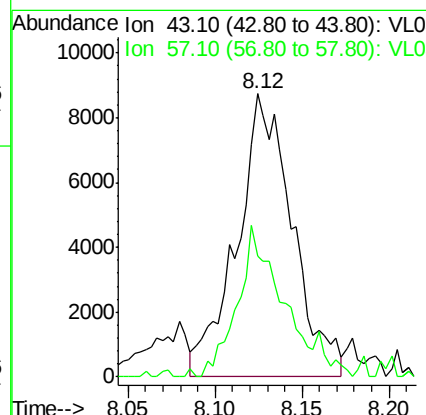
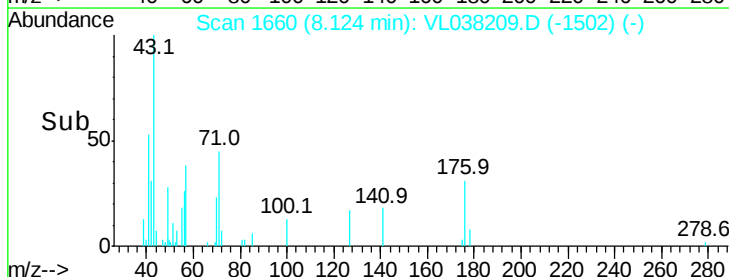
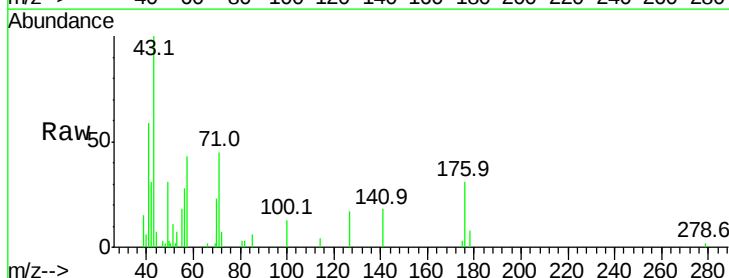
Acq: 17 Dec 2021 4:17

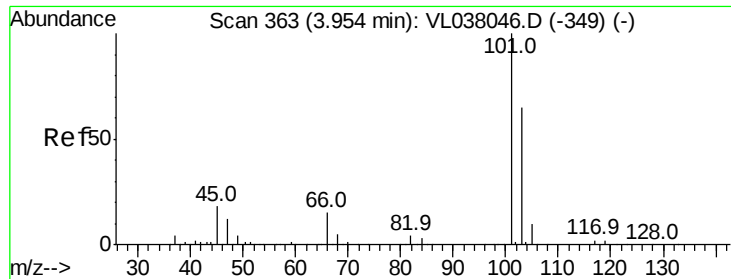
Tgt Ion: 43 Resp: 19337

Ion Ratio Lower Upper

43 100

57 45.0 40.4 60.6



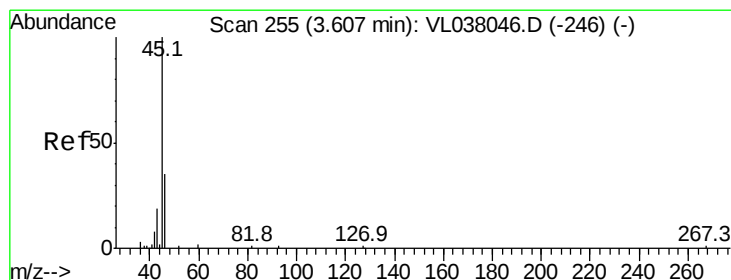
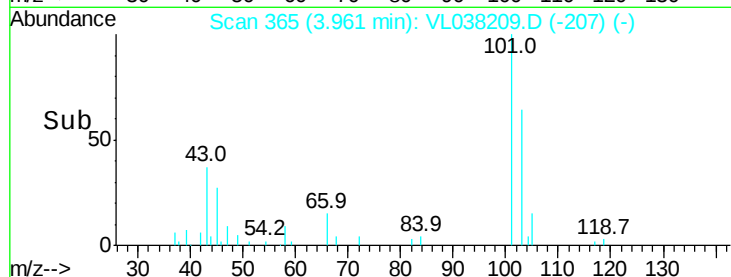
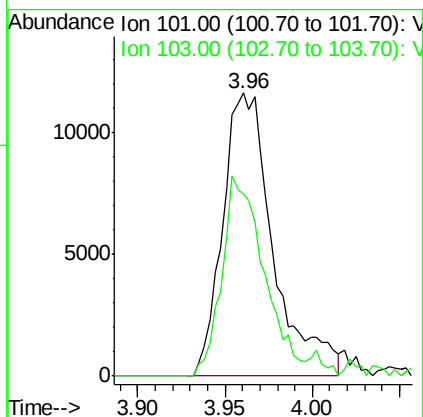
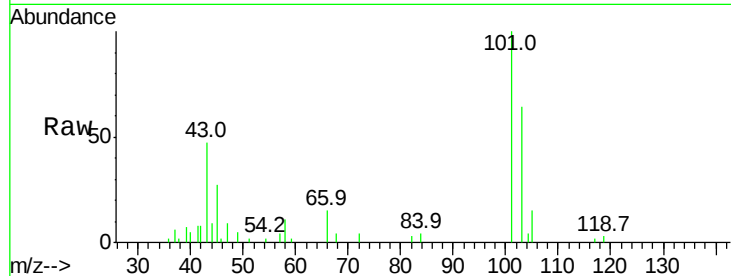


#11
 Trichlorofluoromethane
 Concen: 0.194 ppbv m
 RT: 3.96 Instrument : MSVOA_1
 Delta R.T. ClientSampleId :
 Lab File: AA-1
 Acq: 17 Dec 2021 4:17

Tot Ion:1
 Ion Rati
 101 100
 103 64.

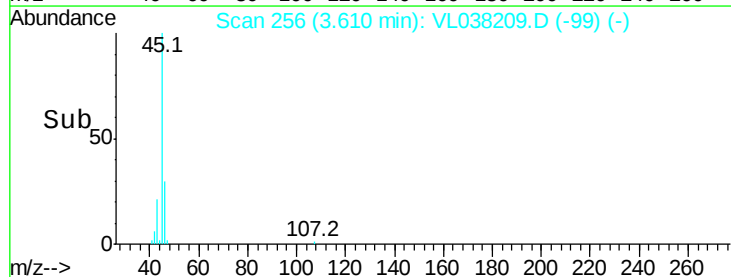
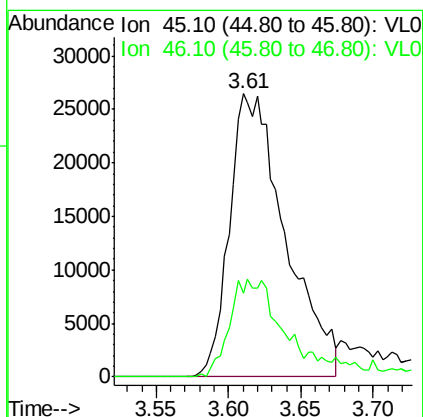
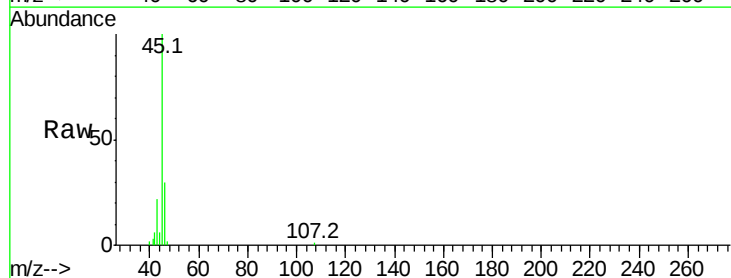
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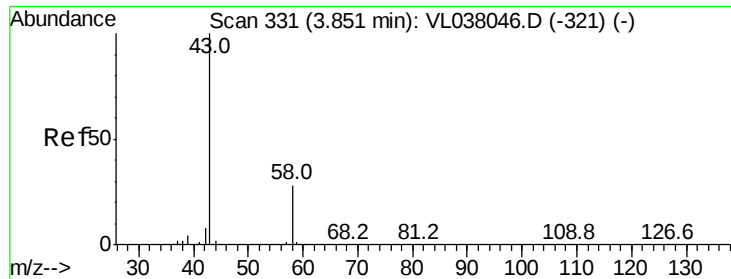
Reviewed By :Amit Patel 12/20/2021
 Supervised By :Mahesh Dadoda 12/20/2021



#13
 Ethanol
 Concen: 12.347 ppbv m
 RT: 3.61 min Scan# 256
 Delta R.T. 0.00 min
 Lab File: VL038209.D
 Acq: 17 Dec 2021 4:17

Tgt Ion: 45 Resp: 71013
 Ion Ratio Lower Upper
 45 100
 46 38.7 17.6 70.2



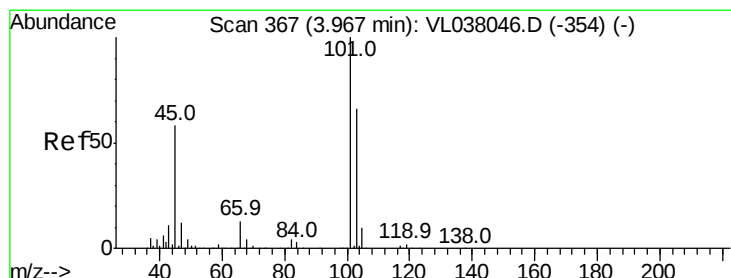
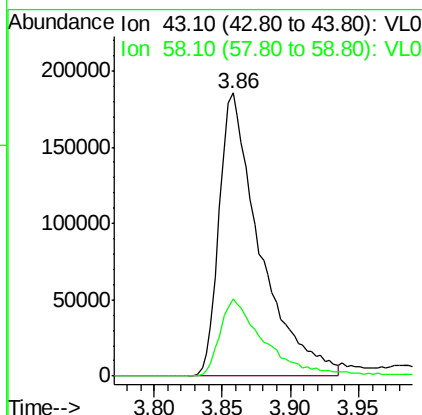
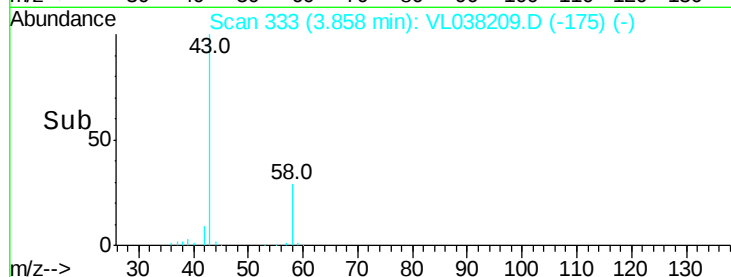
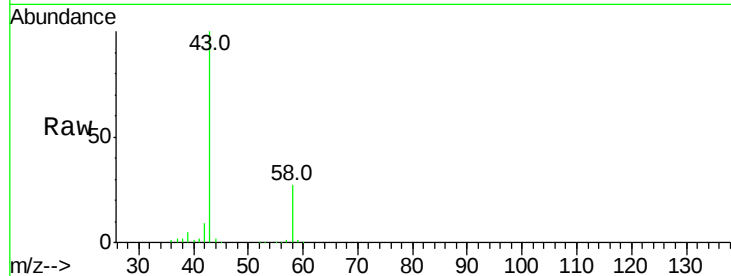


#15
Acetone
Concen: 5.786 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Dec 2021 4:17

Tot Ion:
Ion Ratio
43 100
58 29.

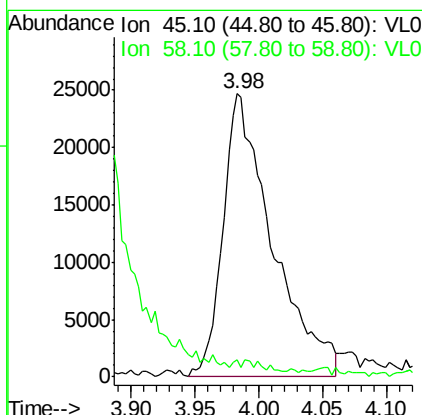
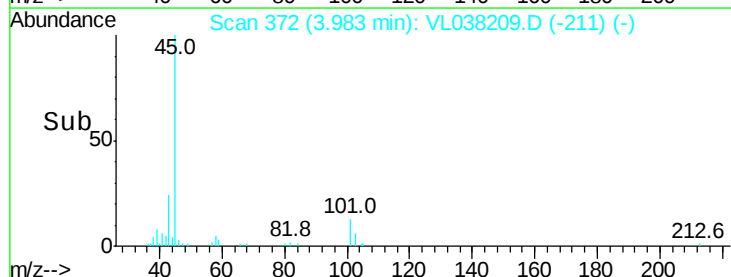
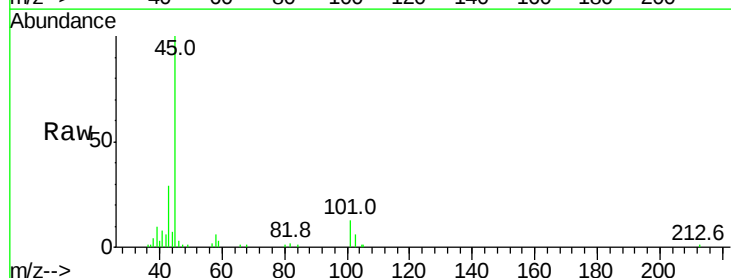
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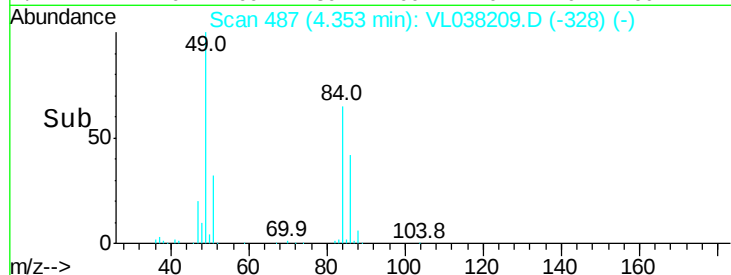
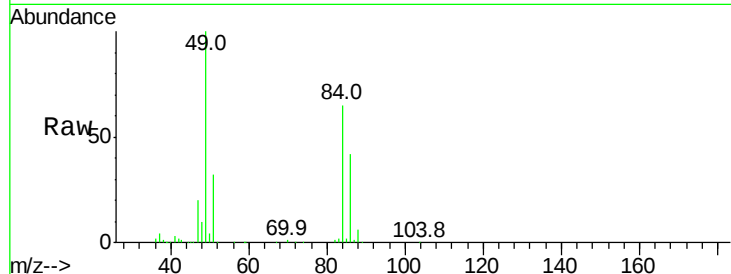
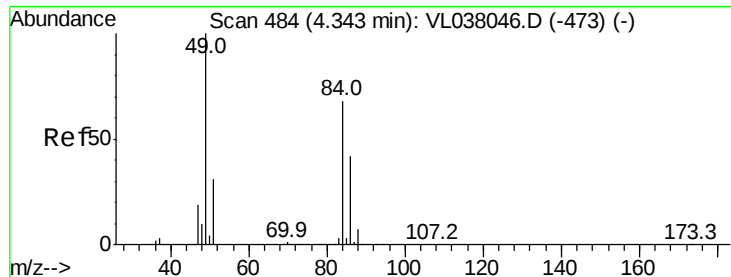
Reviewed By :Amit Patel 12/20/2021
Supervised By :Mahesh Dadoda 12/20/2021



#19
Isopropyl Alcohol
Concen: 1.375 ppbv m
RT: 3.98 min Scan# 372
Delta R.T. 0.02 min
Lab File: VL038209.D
Acq: 17 Dec 2021 4:17

Tgt Ion: 45 Resp: 66270
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.0#



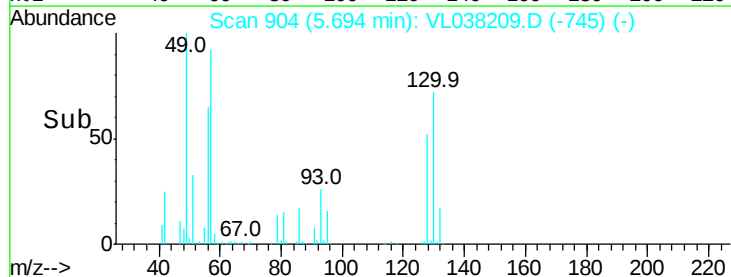
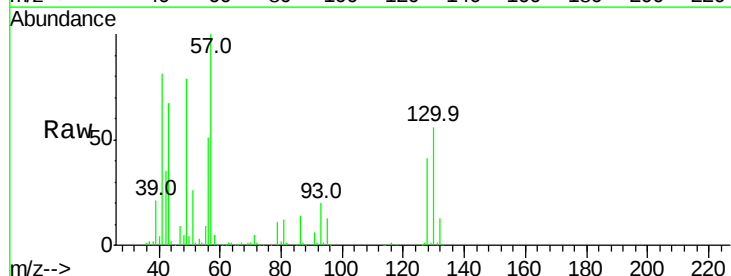
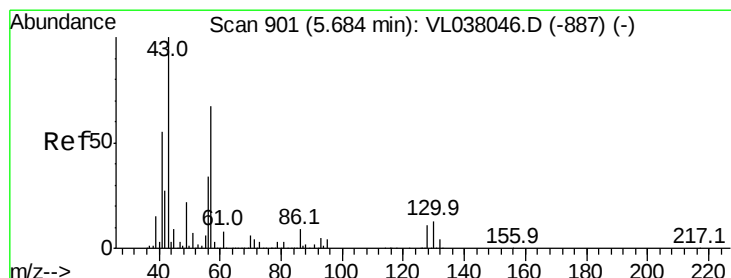
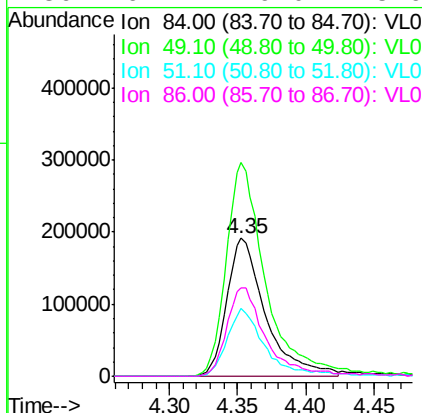


#20
Methvlene Chloride
Concen: 10.092 ppbv
RT: 4.35
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 17 Dec 2021 4:17

Tot Ion:
Ion Ratio
84 100
49 154.
51 48.
86 64.4 49.0 73.6

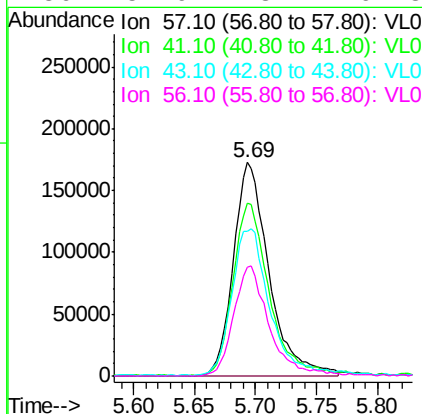
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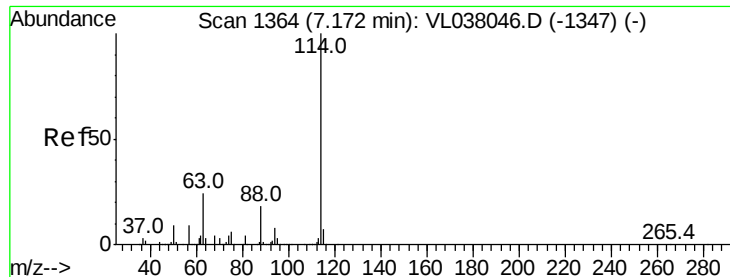
Reviewed By :Amit Patel 12/20/2021
Supervised By :Mahesh Dadoda 12/20/2021



#26
Hexane
Concen: 3.281 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL038209.D
Acq: 17 Dec 2021 4:17

Tgt Ion: 57 Resp: 350708
Ion Ratio Lower Upper
57 100
41 83.9 71.4 107.2
43 74.0 174.6 261.8#
56 51.9 43.2 64.8



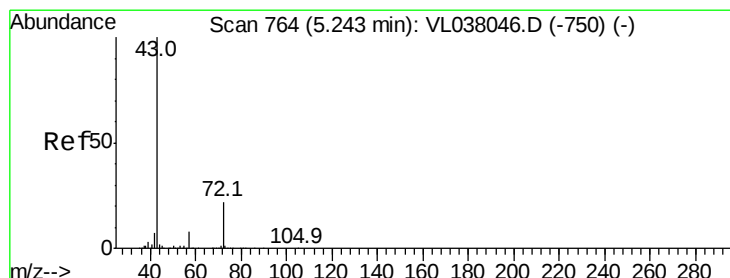
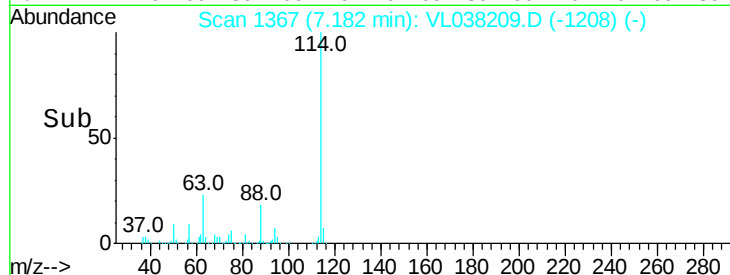
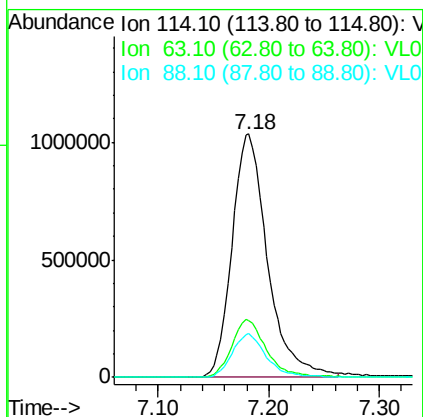
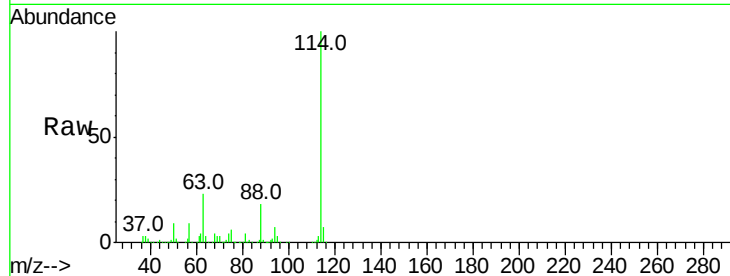


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 17 Dec 2021 4:17

Tot Ion:1
 Ion Rati
 114 100
 63 23.
 88 17.

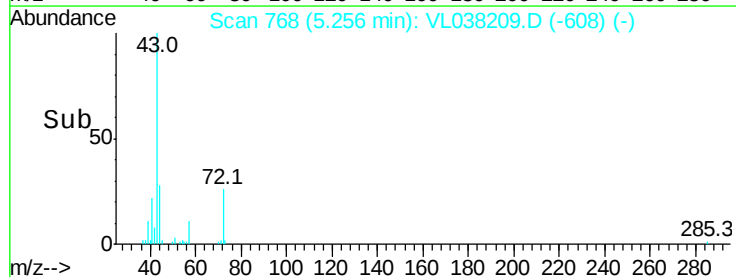
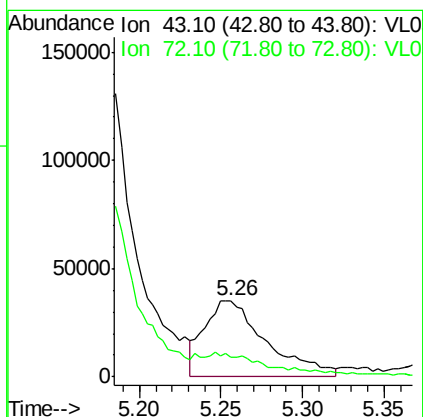
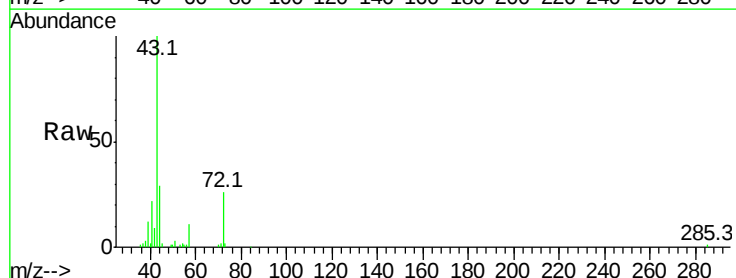
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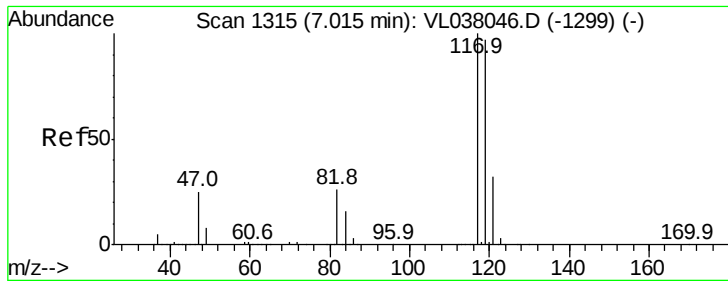
Reviewed By :Amit Patel 12/20/2021
 Supervised By :Mahesh Dadoda 12/20/2021



#34
 2-Butanone
 Concen: 0.999 ppbv m
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL038209.D
 Acq: 17 Dec 2021 4:17

Tgt Ion: 43 Resp: 93311
 Ion Ratio Lower Upper
 43 100
 72 31.0 18.8 28.2#





#35

Carbon Tetrachloride

Concen: 0.035 ppbv m

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Dec 2021 4:17

Tot Ion:1

Ion Rati

117 100

119 118.

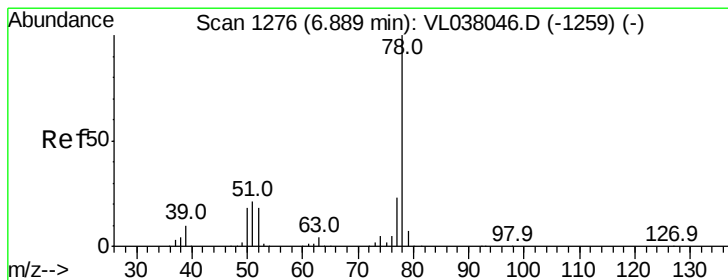
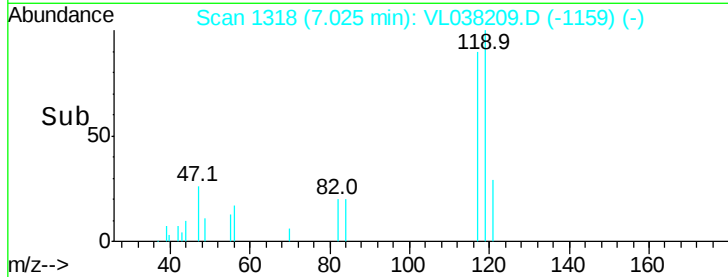
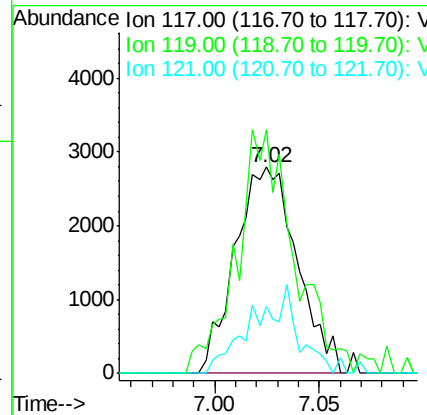
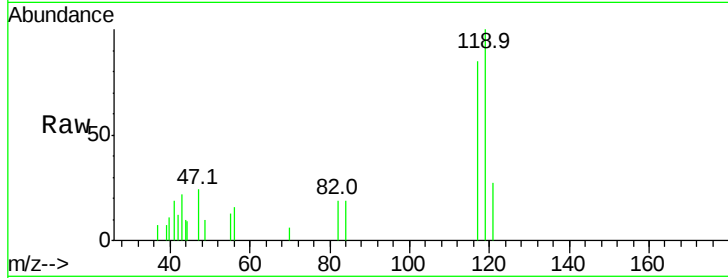
121 32.

Manual Integrations

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Supervised By :Mahesh Dadoda 12/20/2021



#36

Benzene

Concen: 0.179 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VL038209.D

Acq: 17 Dec 2021 4:17

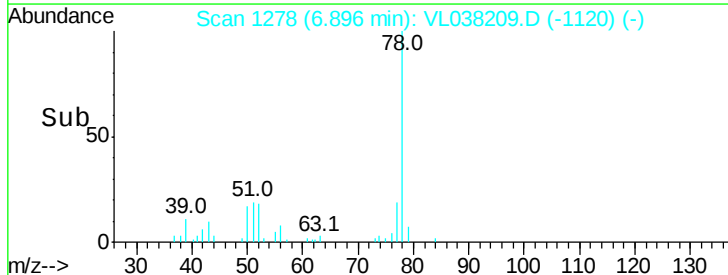
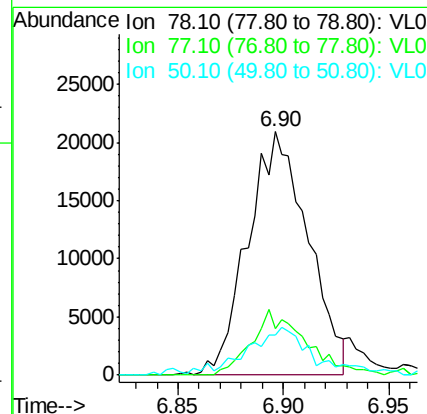
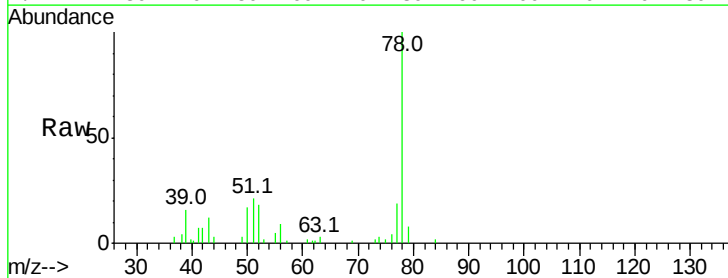
Tgt Ion: 78 Resp: 41415

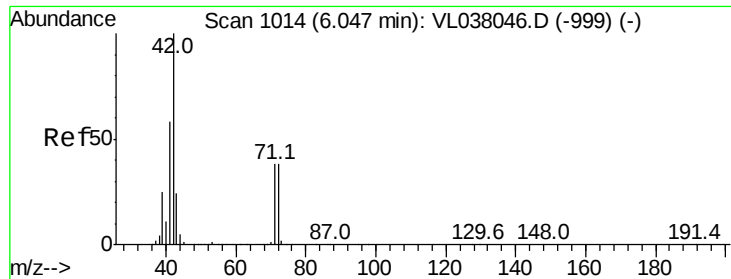
Ion Ratio Lower Upper

78 100

77 19.3 18.2 27.4

50 13.9 14.7 22.1#





#41

Tetrahydrofuran

Concen: 0.762 ppbv m

RT: 6.07

Delta R.T. MSVOA_L

Lab File:

ClientSampleId : AA-1

Acq: 17 Dec 2021 4:17

Tot Ion:

Ion Ratio

42 100

72 38.

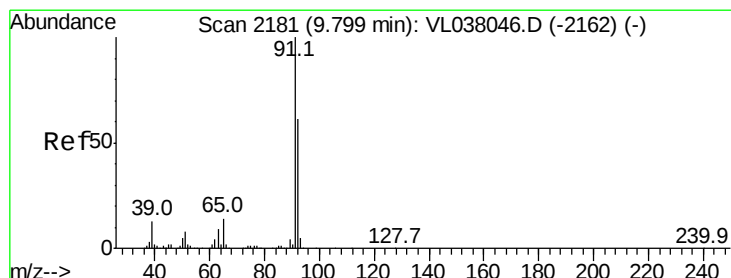
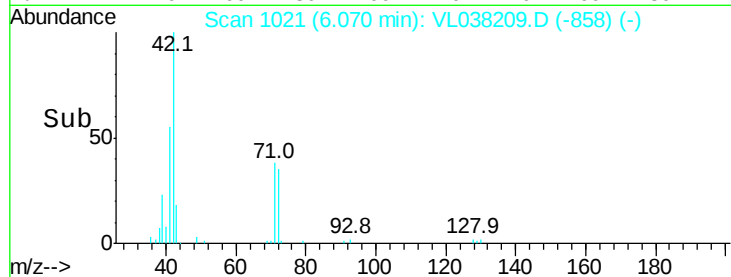
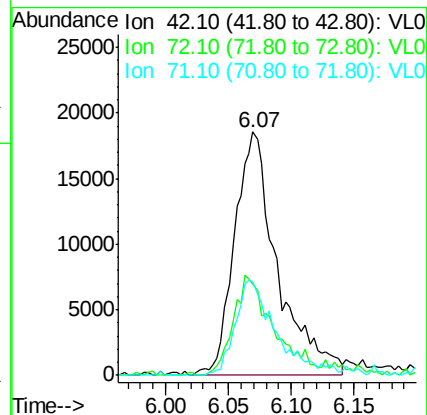
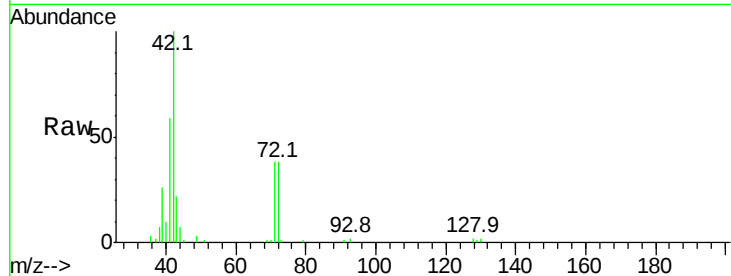
71 39.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/20/2021

Supervised By :Mahesh Dadoda 12/20/2021



#53

Toluene

Concen: 0.673 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.01 min

Lab File: VL038209.D

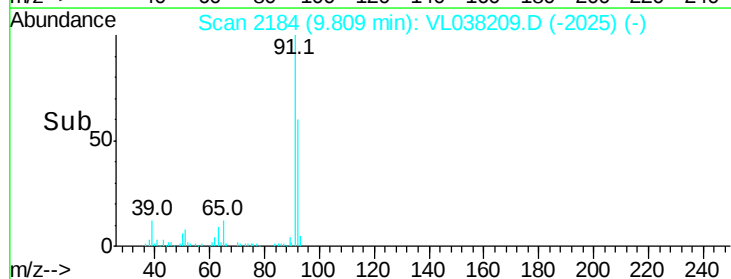
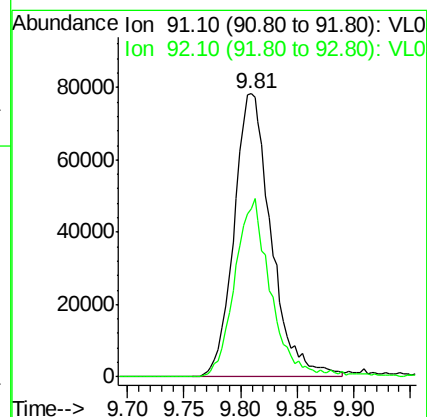
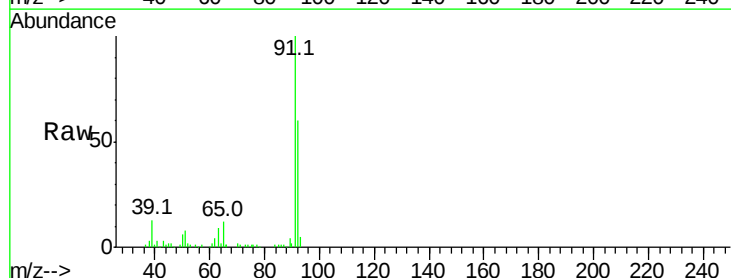
Acq: 17 Dec 2021 4:17

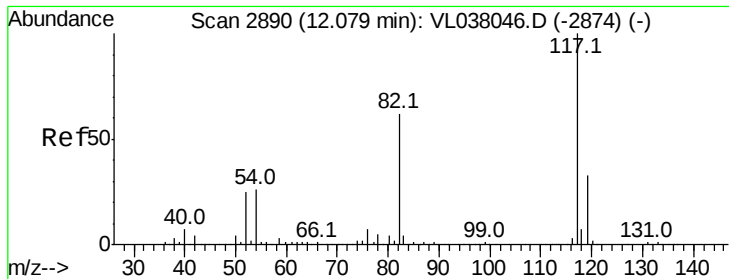
Tgt Ion: 91 Resp: 179043

Ion Ratio Lower Upper

91 100

92 61.7 49.7 74.5



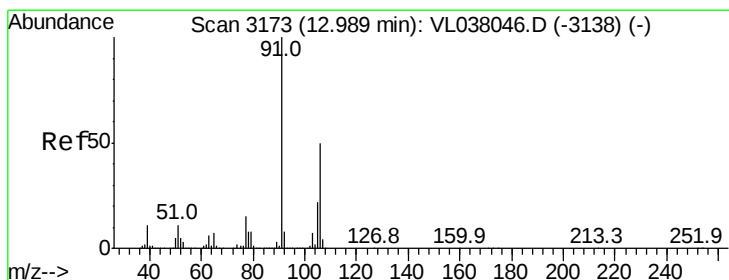
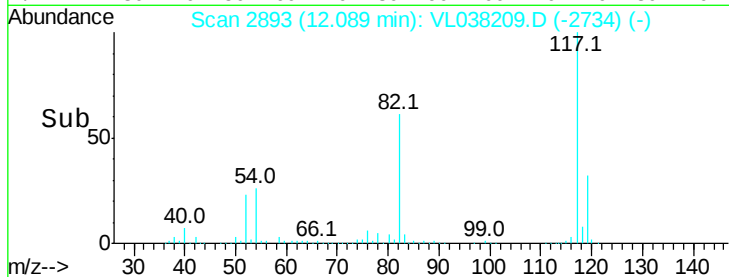
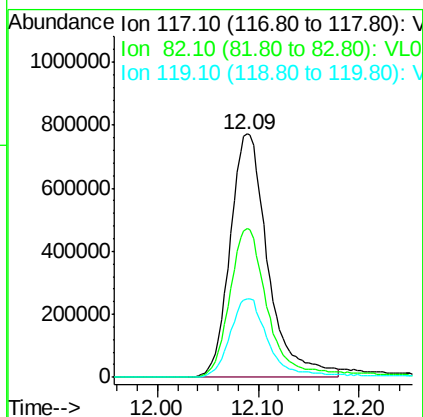
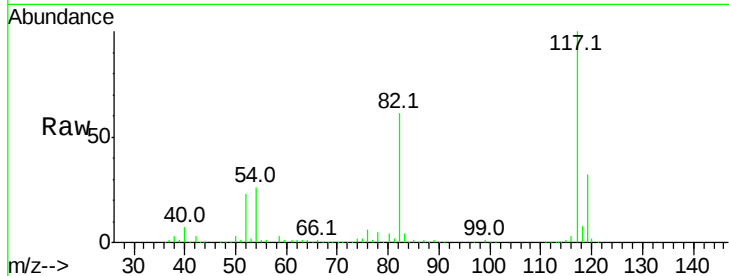


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 17 Dec 2021 4:17

Tot Ion: 1
Ion Ratio
117 100
82 63.
119 34.

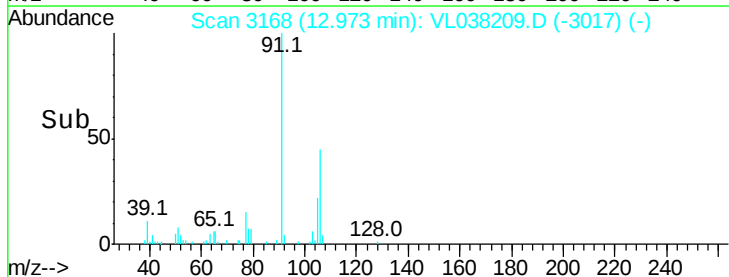
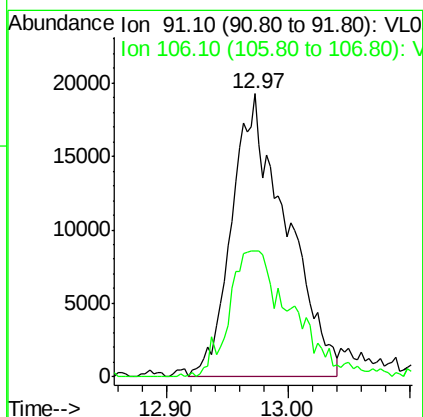
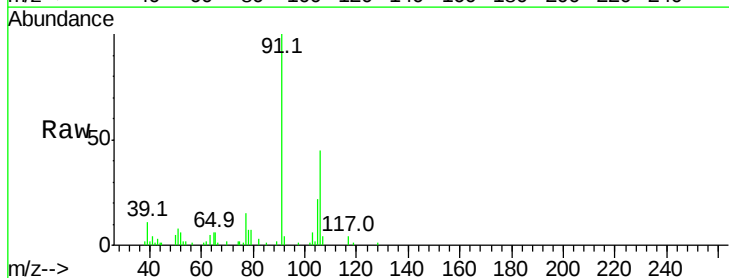
Manual Integrations
APPROVED

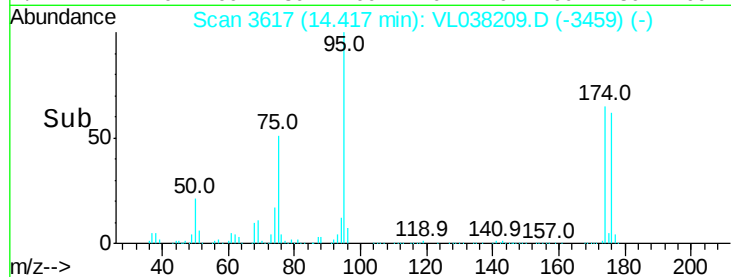
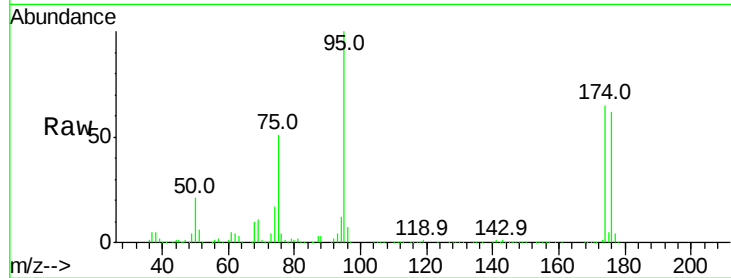
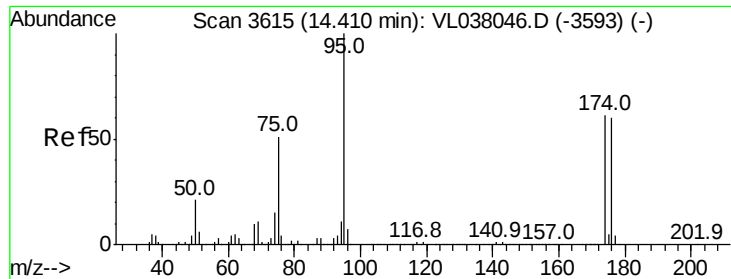
Reviewed By :Amit Patel 12/20/2021
Supervised By :Mahesh Dadoda 12/20/2021



#59
m/p-Xylene
Concen: 0.215 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.02 min
Lab File: VL038209.D
Acq: 17 Dec 2021 4:17

Tgt Ion: 91 Resp: 60321
Ion Ratio Lower Upper
91 100
106 0.0 38.1 57.1#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.494 ppbv

RT: 14.42

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 17 Dec 2021 4.17

Tot Ion:

Ion Ratio

95 100

174 72.

175 4.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/20/2021

Supervised By :Mahesh Dadoda 12/20/2021

