

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112321\
 Data File : VL038116.D
 Acq On : 24 Nov 2021 1:43
 Operator : SY/AP
 Sample : M4805-08 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-EDIBLE-ARRANGEMENTSDL

Quant Time: Nov 26 04:17:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 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	5.66	49	854086	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2387157	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	2020831	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1652056	11.33	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	113.30%

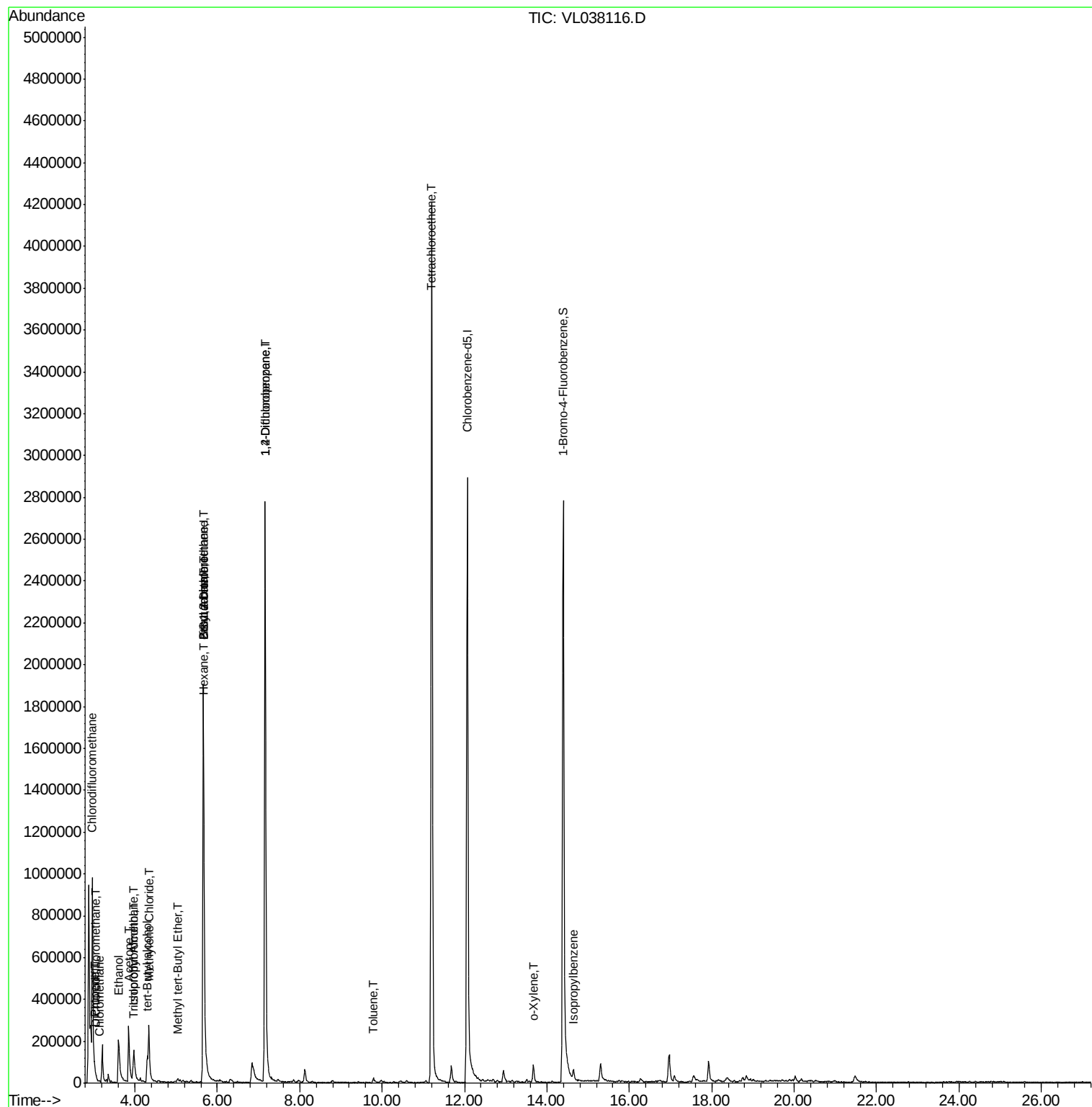
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	9025	0.064	ppbv	95
3) Chlorodifluoromethane	2.96	51	800830	4.465	ppbv #	61
4) Chloromethane	3.14	50	2036	0.033	ppbv #	87
9) Propene	3.02	41	11329	0.172	ppbv	85
11) Trichlorofluoromethane	3.94	101	28590	0.213	ppbv	90
13) Ethanol	3.60	45	325153	50.937	ppbv	93
15) Acetone	3.85	43	327447	4.422	ppbv	98
17) tert-Butyl alcohol	4.30	59	148776	1.656	ppbv	95
19) Isopropyl Alcohol	3.97	45	200771	3.752	ppbv #	92
20) Methylene Chloride	4.34	84	95749	2.308	ppbv	96
25) Ethyl Acetate	5.66	43	772605	3.139	ppbv #	90
26) Hexane	5.68	57	58956	0.497	ppbv #	1
28) Methyl tert-Butyl Ether	5.03	73	5131	0.051	ppbv #	52
31) cis-1,2-Dichloroethene	5.67	61	88570	0.785	ppbv #	23
34) 2-Butanone	5.66	43	751457	7.807	ppbv #	52
39) 1,2-Dichloropropane	7.16	63	609913	6.677	ppbv #	27
52) Tetrachloroethene	11.21	164	1120376	12.716	ppbv	97
53) Toluene	9.79	91	14109	0.051	ppbv	95
60) o-Xylene	13.67	91	64967	0.249	ppbv	100
62) Isopropylbenzene	14.64	105	36577	0.099	ppbv	97

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T.:

Lab File: ClientSampleId:

Acq: 24 Nov 2021 1:43 SG-EDIBLE-ARRANGEMENTS.DL

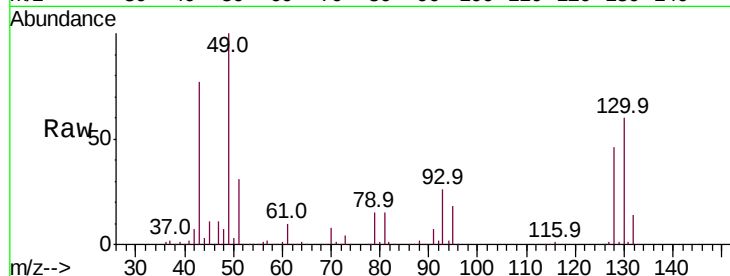
Tot Ion: 49 Resp: 854086

Ion Ratio Lower Upper

49 100

128 47.7 26.5 79.5

130 62.2 32.5 97.4



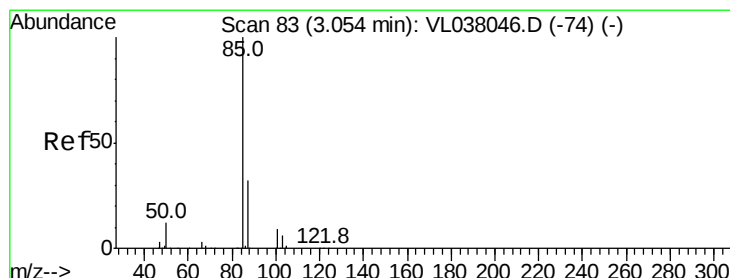
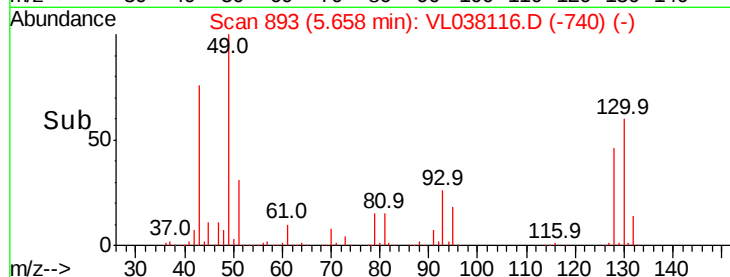
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.66

Time--> 5.55 5.60 5.65 5.70 5.75



#2

Dichlorodifluoromethane

Concen: 0.064 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038116.D

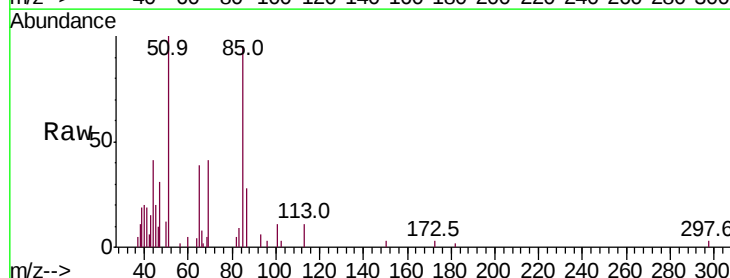
Acq: 24 Nov 2021 1:43

Tgt Ion: 85 Resp: 9025

Ion Ratio Lower Upper

85 100

87 29.2 25.8 38.6

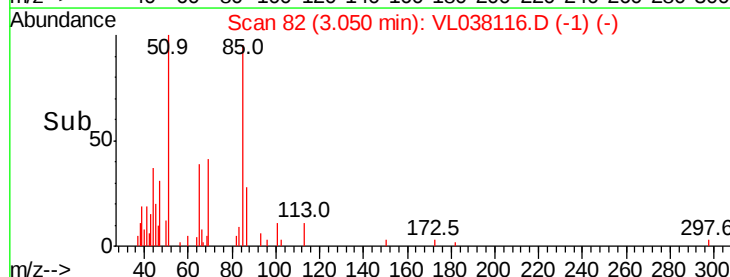


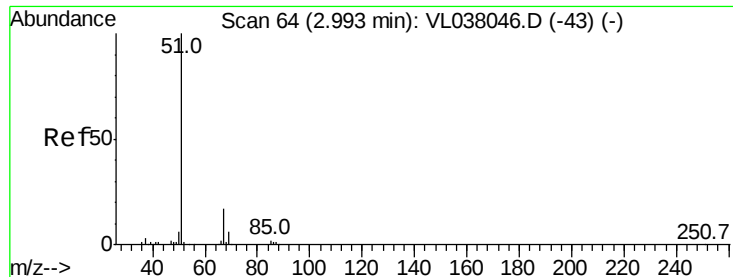
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

Time--> 3.00 3.05





#3

Chlorodifluoromethane

Concen: 4.465 ppbv

RT: 2.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

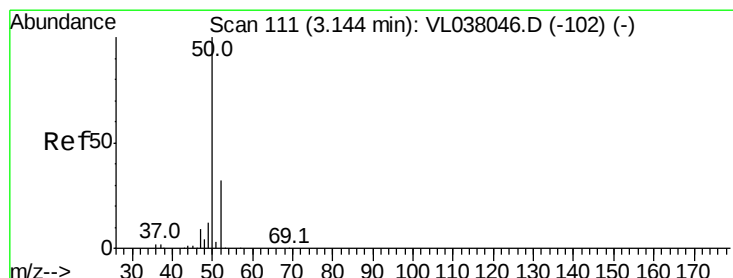
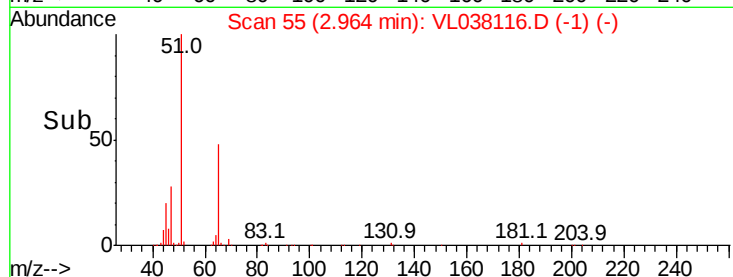
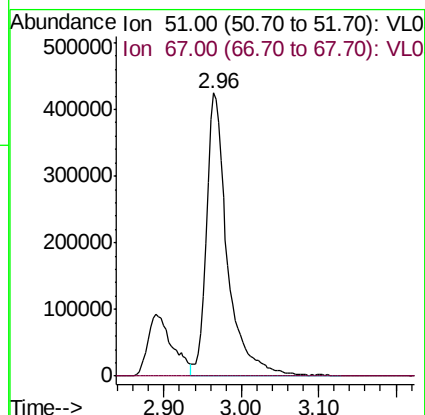
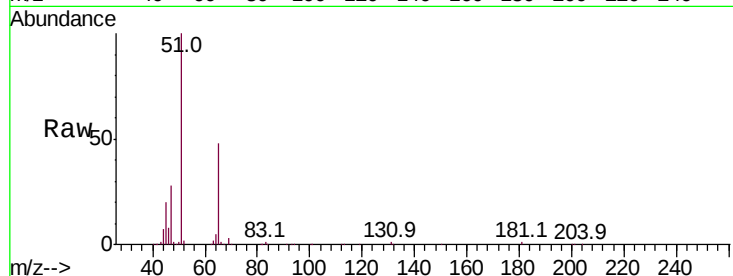
Acq: 24 Nov 2021 1:43

Tot Ion: 51 Resp: 800830

Ion Ratio Lower Upper

51 100

67 0.3 13.8 20.8#



#4

Chloromethane

Concen: 0.033 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL038116.D

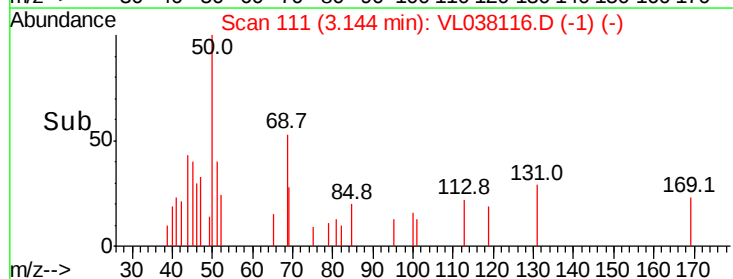
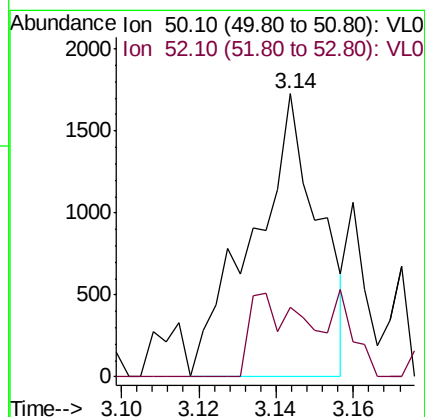
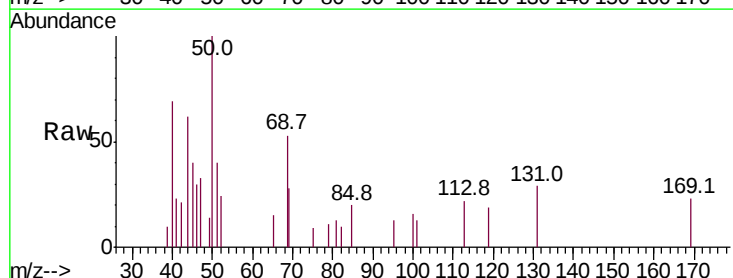
Acq: 24 Nov 2021 1:43

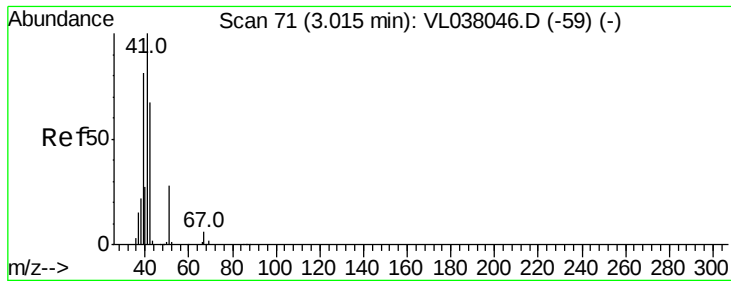
Tgt Ion: 50 Resp: 2036

Ion Ratio Lower Upper

50 100

52 24.4 25.4 38.0#





#9

Propene

Concen: 0.172 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

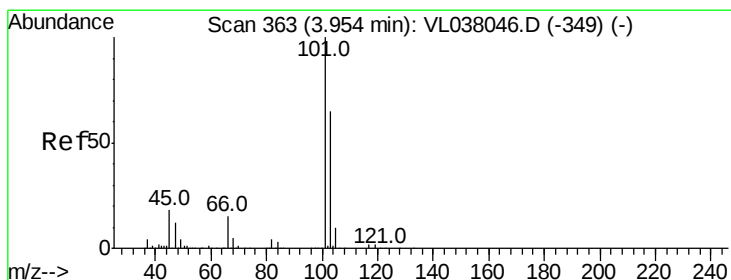
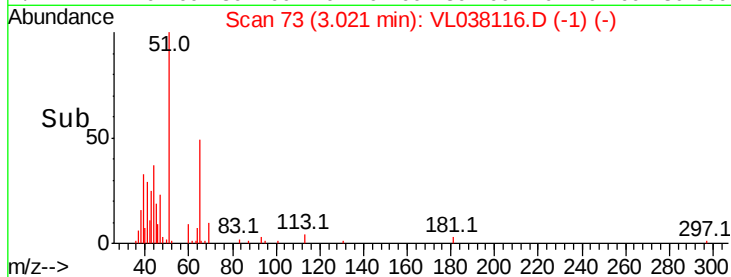
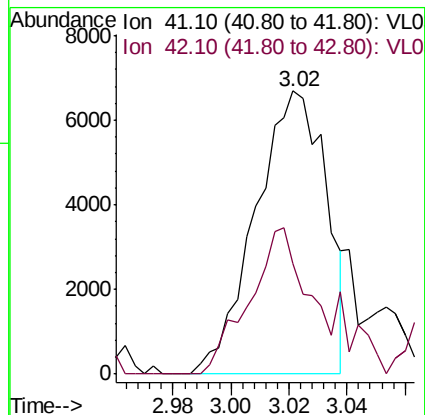
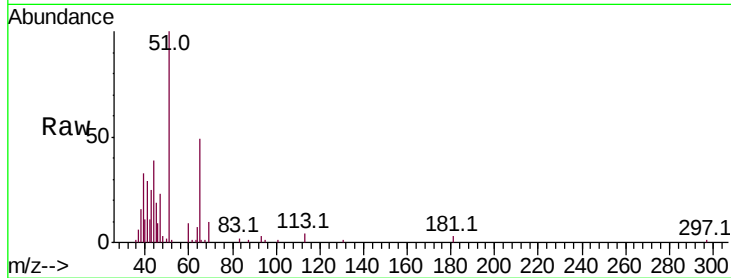
Acq: 24 Nov 2021 1:43 SG-EDIBLE-ARRANGEMENTSDL

Tot Ion: 41 Resp: 11329

Ion Ratio Lower Upper

41 100

42 55.5 53.8 80.8



#11

Trichlorofluoromethane

Concen: 0.213 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.01 min

Lab File: VL038116.D

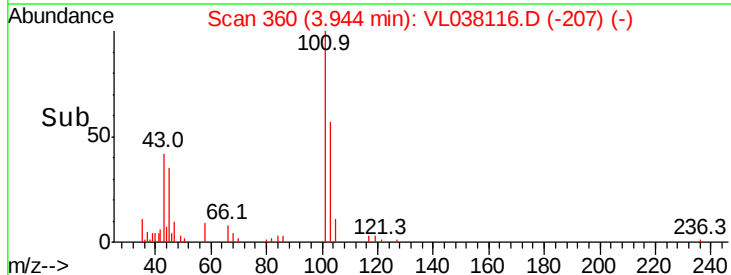
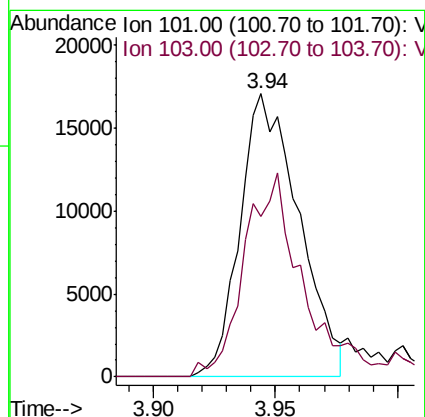
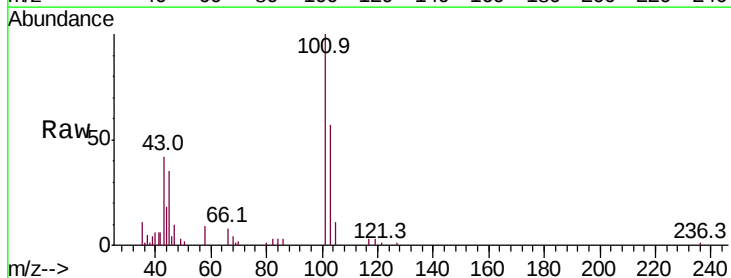
Acq: 24 Nov 2021 1:43

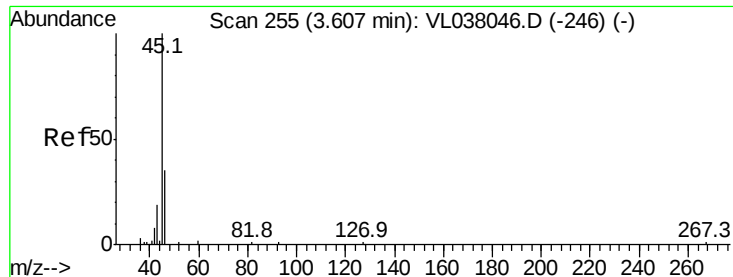
Tgt Ion: 101 Resp: 28590

Ion Ratio Lower Upper

101 100

103 56.7 51.8 77.6





#13

Ethanol

Concen: 50.937 ppbv

RT: 3.60

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

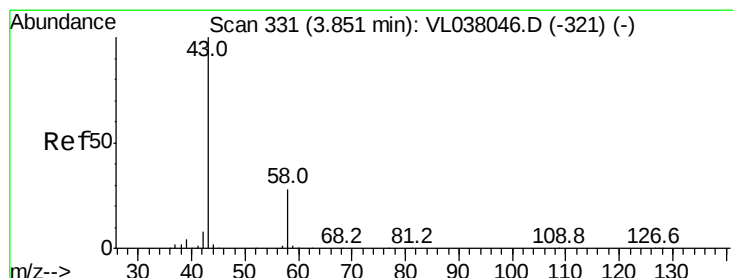
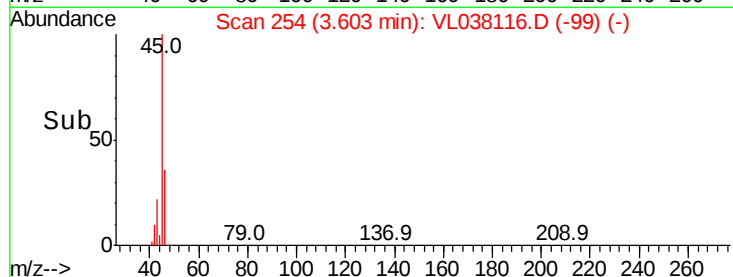
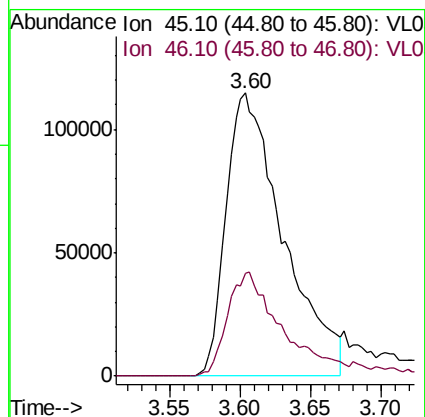
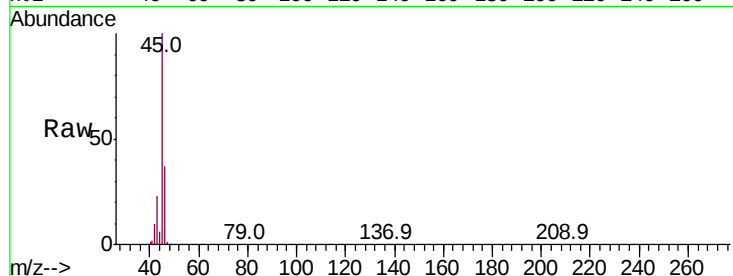
Acq: 24 Nov 2021 1:43

Tot Ion: 45 Resp: 325153

Ion Ratio Lower Upper

45 100

46 39.6 17.6 70.2



#15

Acetone

Concen: 4.422 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL038116.D

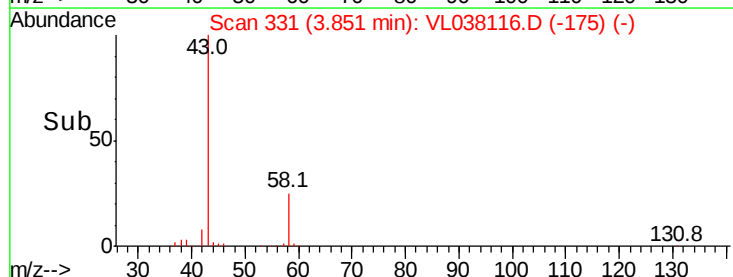
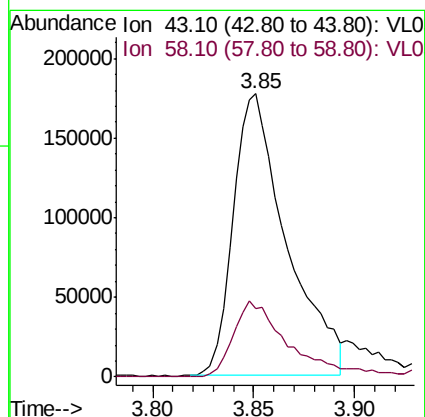
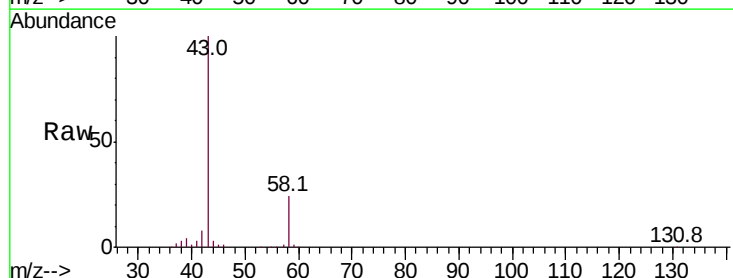
Acq: 24 Nov 2021 1:43

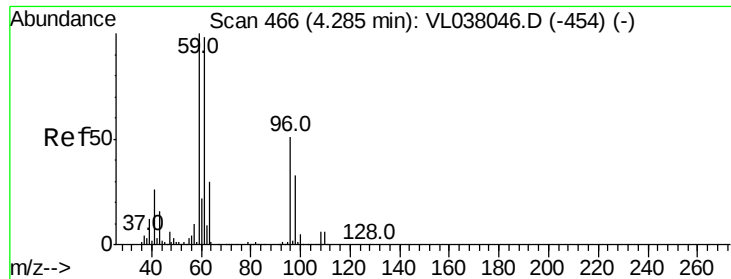
Tgt Ion: 43 Resp: 327447

Ion Ratio Lower Upper

43 100

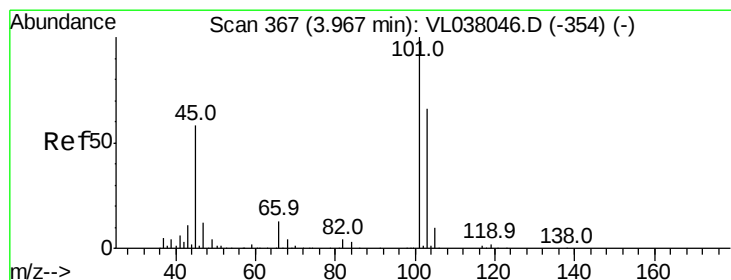
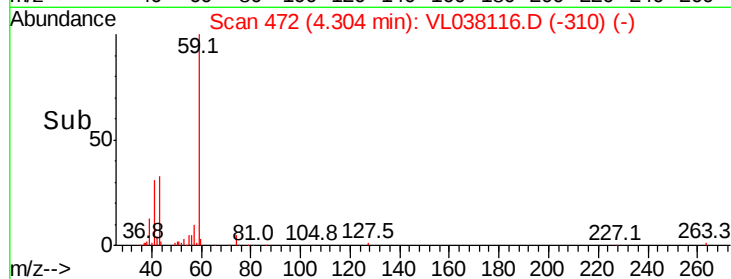
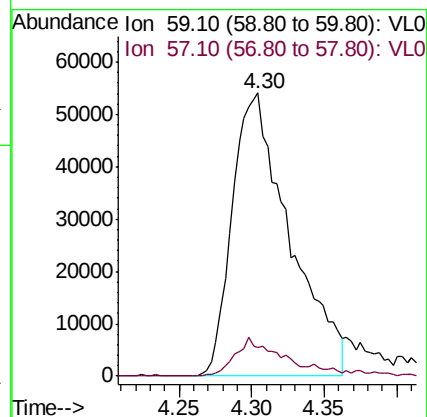
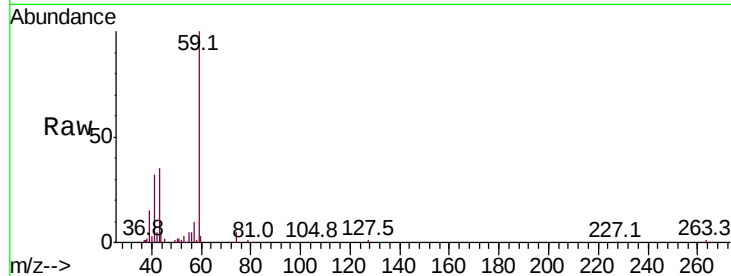
58 29.1 22.4 33.6





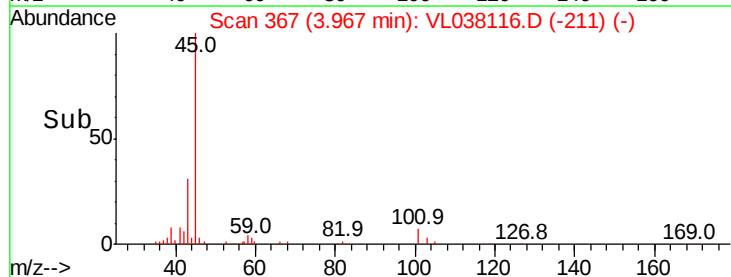
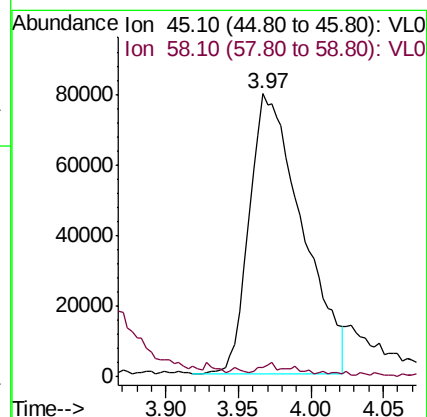
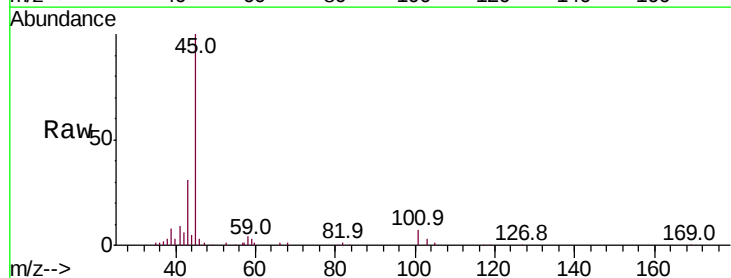
#17
 tert-Butyl alcohol
 Concen: 1.656 ppbv
 RT: 4.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Nov 2021 1:43 SG-EDIBLE-ARRANGEMENTSDL

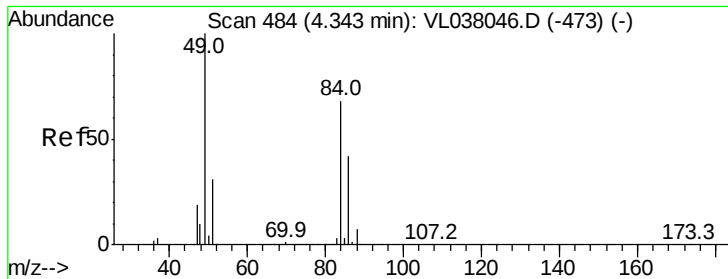
Tot Ion: 59 Resp: 148776
 Ion Ratio Lower Upper
 59 100
 57 12.7 8.6 13.0



#19
 Isopropyl Alcohol
 Concen: 3.752 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VL038116.D
 Acq: 24 Nov 2021 1:43

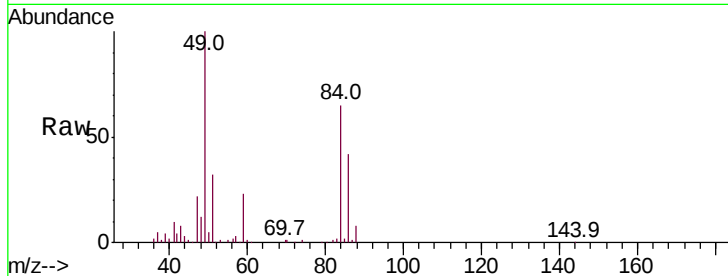
Tgt Ion: 45 Resp: 200771
 Ion Ratio Lower Upper
 45 100
 58 4.8 1.4 2.0#





#20
Methylene Chloride
Concen: 2.308 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Client Sample Id:
Lab File: SG-EDIBLE-ARRANGEMENTS
Acq: 24 Nov 2021 1:43

Tot Ion:	84	Resp:	95749
Ion	Ratio	Lower	Upper
84	100		
49	153.8	118.2	177.2
51	47.7	36.8	55.2
86	64.8	49.0	73.6



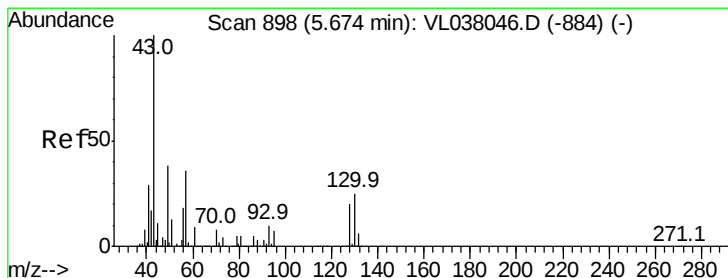
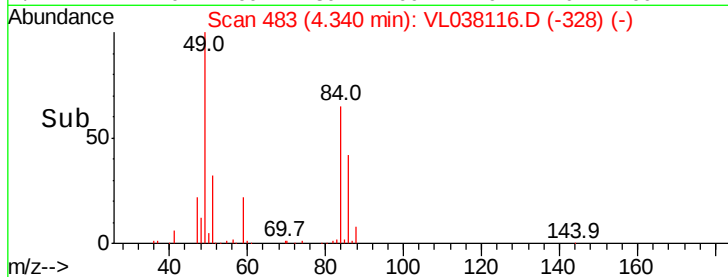
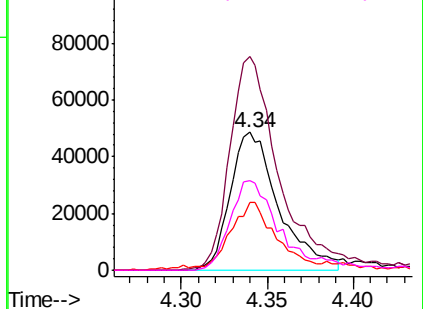
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

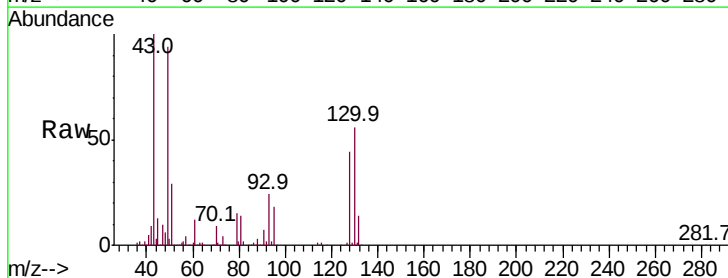
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#25
Ethyl Acetate
Concen: 3.139 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL038116.D
Acq: 24 Nov 2021 1:43

Tgt Ion:	43	Resp:	772605
Ion	Ratio	Lower	Upper
43	100		
45	14.8	7.9	11.9#
61	13.2	7.8	11.6#
70	9.3	5.8	8.8#



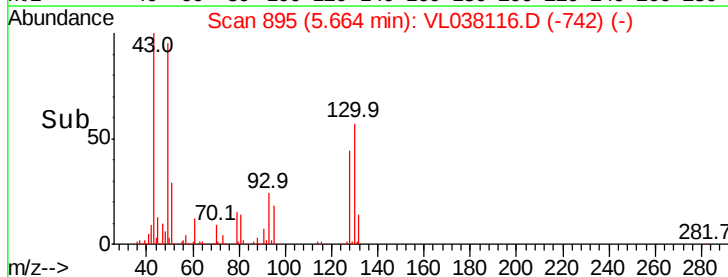
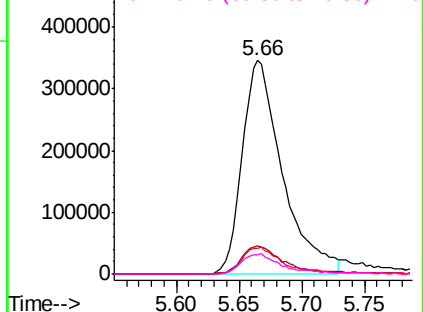
Abundance

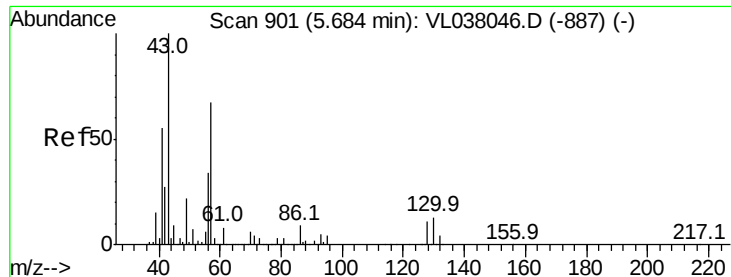
Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 0.497 ppbv

RT: 5.68

Delta R.T. MSVOA_L

Lab File:

ClientSampleId: SG-EDIBLE-ARRANGEMENTSDL

Acq: 24 Nov 2021 1:43

Tot Ion: 57 Resp: 58956

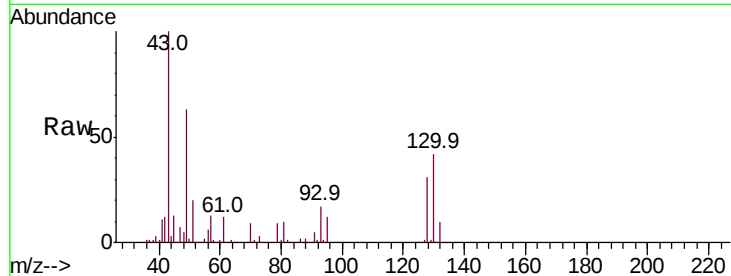
Ion Ratio Lower Upper

57 100

41 104.9 71.4 107.2

43 1427.4 174.6 261.8#

56 58.9 43.2 64.8

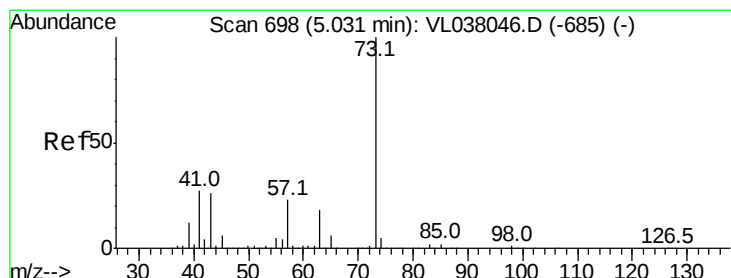
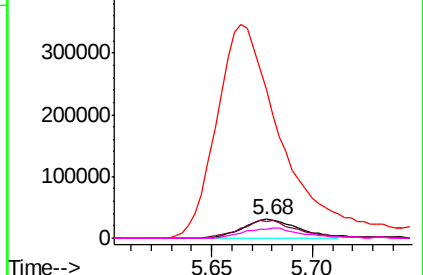
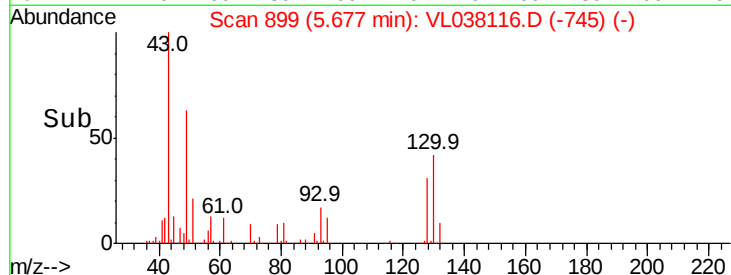


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.051 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.00 min

Lab File: VL038116.D

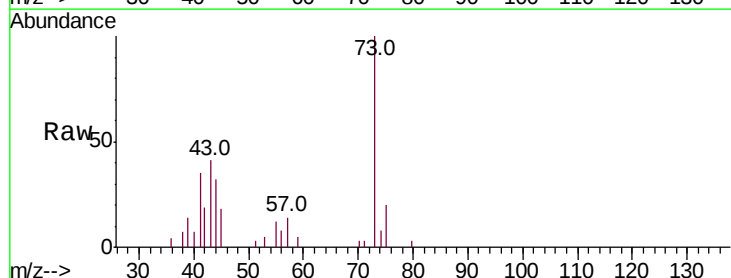
Acq: 24 Nov 2021 1:43

Tgt Ion: 73 Resp: 5131

Ion Ratio Lower Upper

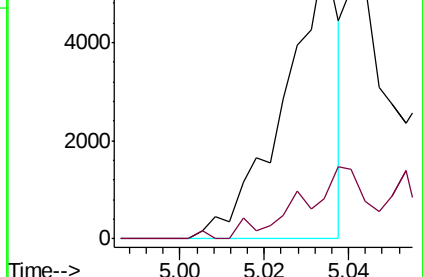
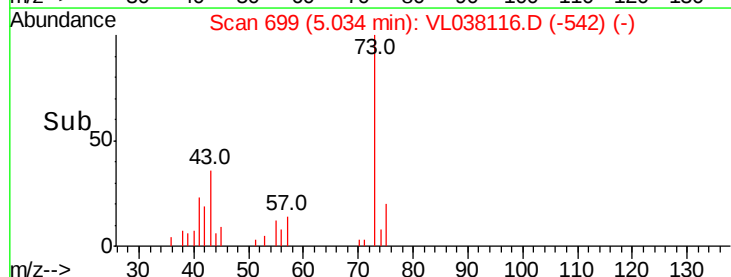
73 100

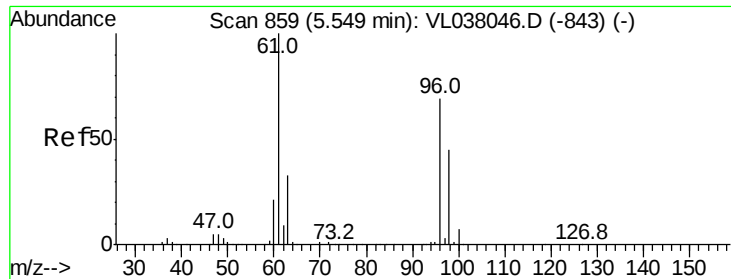
57 47.1 19.0 28.4#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 0.785 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Nov 2021 1:43

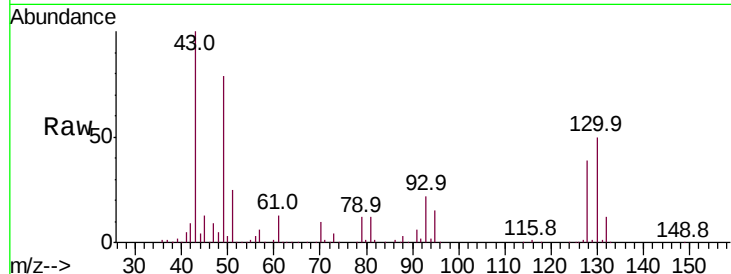
Tot Ion: 61 Resp: 88570

Ion Ratio Lower Upper

61 100

96 1.6 55.4 83.2#

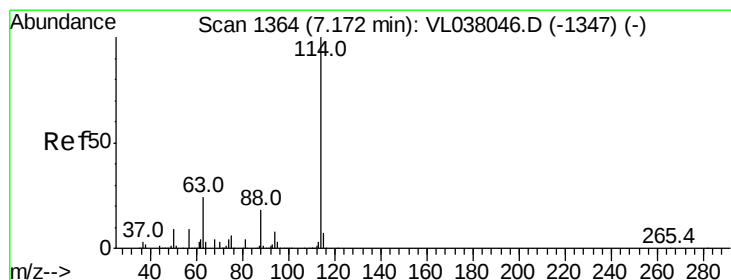
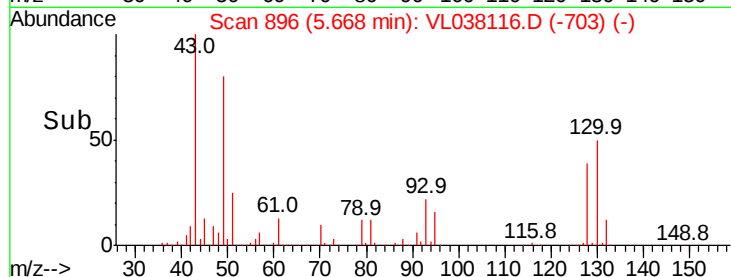
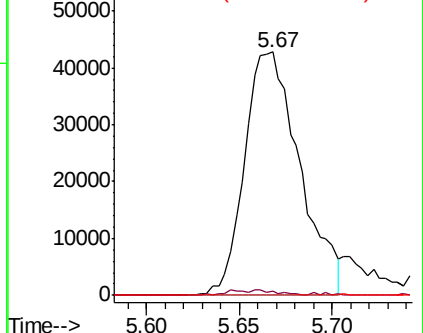
98 0.0 35.7 53.5#



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.01 min

Lab File: VL038116.D

Acq: 24 Nov 2021 1:43

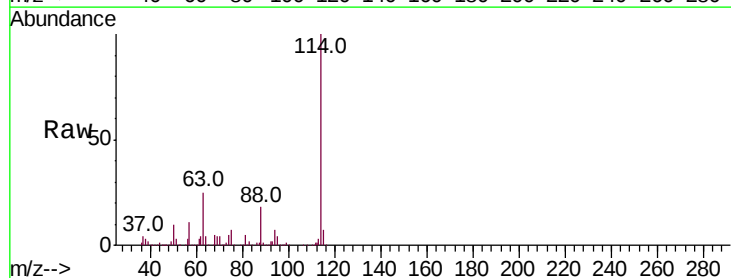
Tgt Ion:114 Resp: 2387157

Ion Ratio Lower Upper

114 100

63 26.4 19.7 29.5

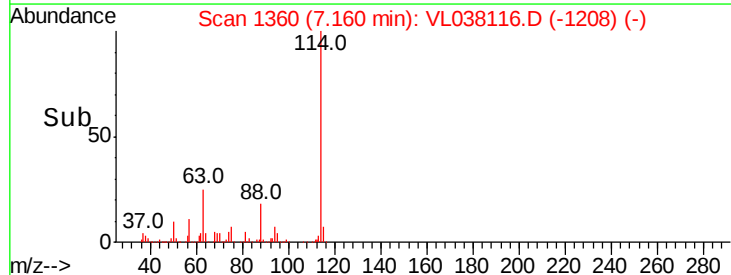
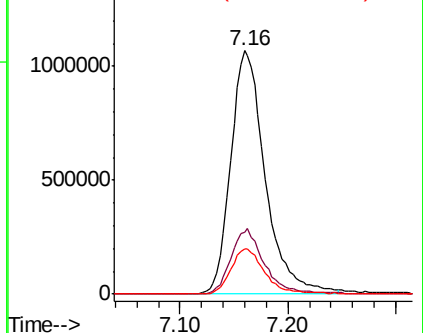
88 18.7 14.4 21.6

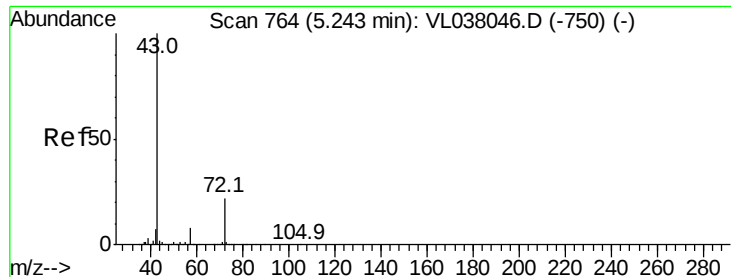


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 7.807 ppbv

RT: 5.66

Delta R.T. MSVOA_1

Lab File:

Acq: 24 Nov 2021 1:43

Instrument :

ClientSampleId :

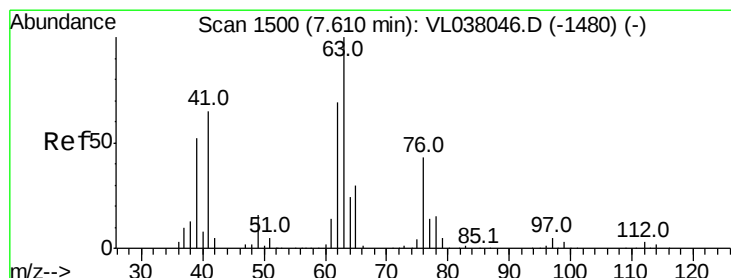
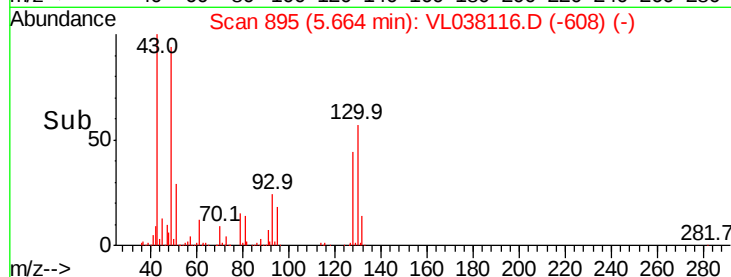
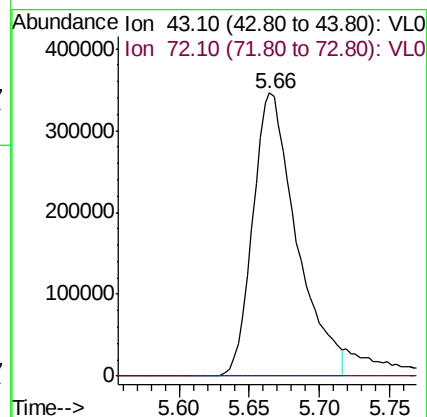
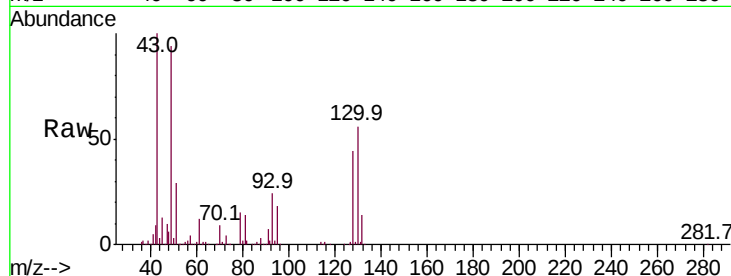
SG-EDIBLE-ARRANGEMENTSDL

Tot Ion: 43 Resp: 751457

Ion Ratio Lower Upper

43 100

72 0.0 18.8 28.2#



#39

1,2-Dichloropropane

Concen: 6.677 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.45 min

Lab File: VL038116.D

Acq: 24 Nov 2021 1:43

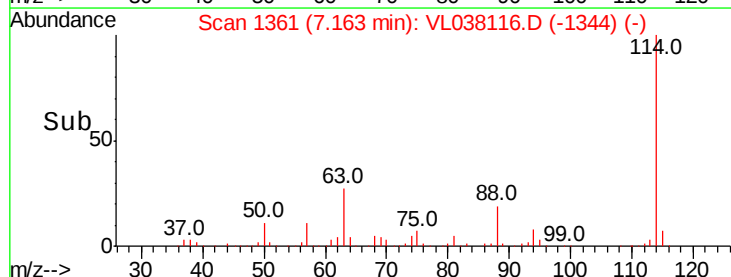
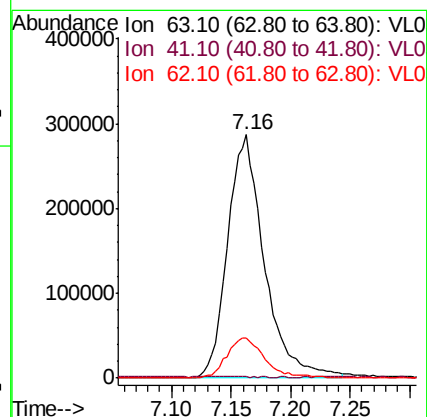
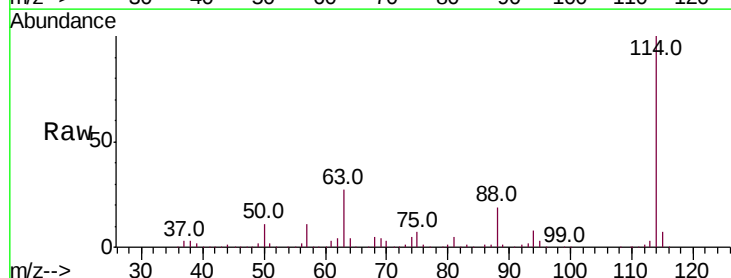
Tgt Ion: 63 Resp: 609913

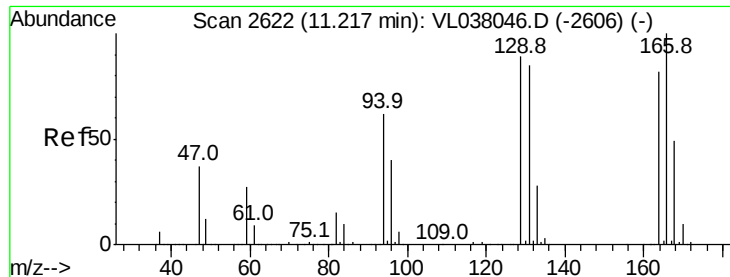
Ion Ratio Lower Upper

63 100

41 0.1 52.3 78.5#

62 16.3 55.1 82.7#





#52

Tetrachloroethene

Concen: 12.716 ppbv

RT: 11.21

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Nov 2021 1:43

Tot Ion:164 Resp: 1120376

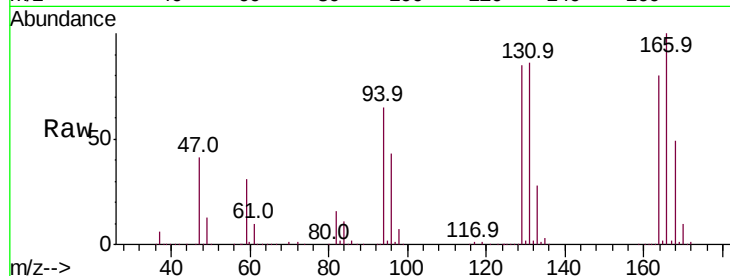
Ion Ratio Lower Upper

164 100

166 124.8 97.2 145.8

129 106.1 86.9 130.3

131 107.4 82.8 124.2

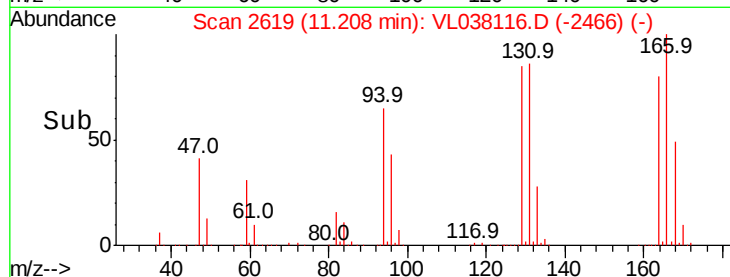


Abundance Ion 163.90 (163.60 to 164.60): V

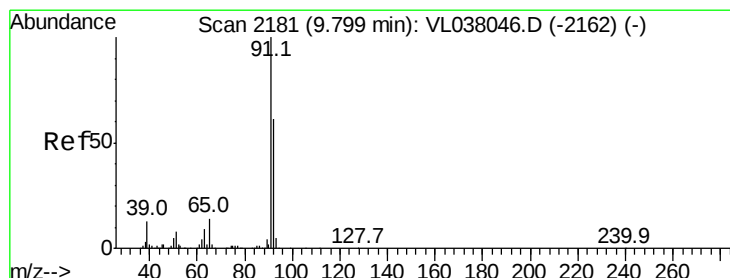
Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



Time--> 11.10 11.20 11.30



#53

Toluene

Concen: 0.051 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL038116.D

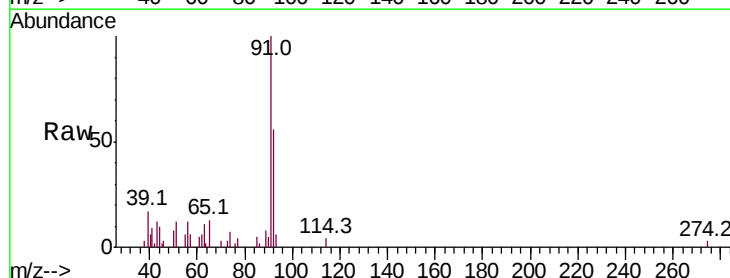
Acq: 24 Nov 2021 1:43

Tgt Ion: 91 Resp: 14109

Ion Ratio Lower Upper

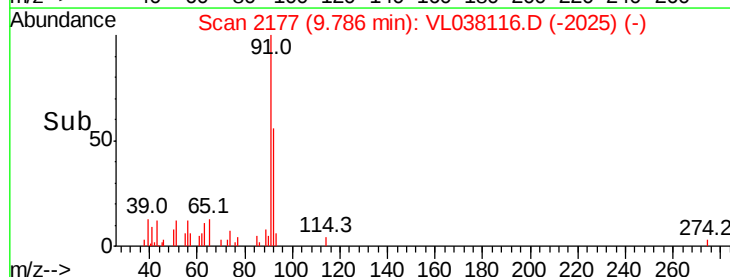
91 100

92 66.2 49.7 74.5

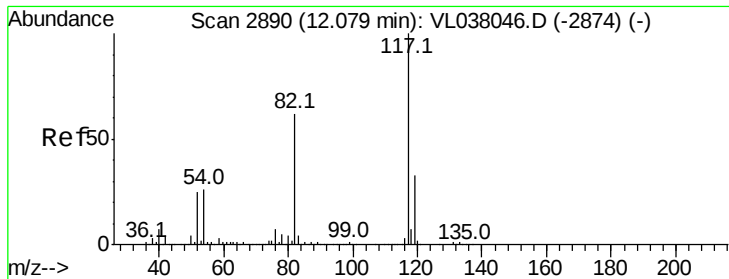


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



Time--> 9.75 9.80 9.85



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Nov 2021 1:43

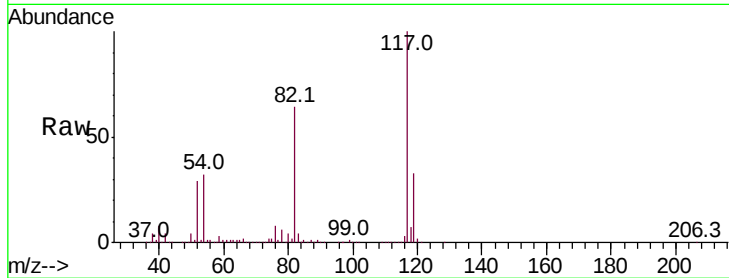
Tot Ion:117 Resp: 2020831

Ion Ratio Lower Upper

117 100

82 73.3 52.8 79.2

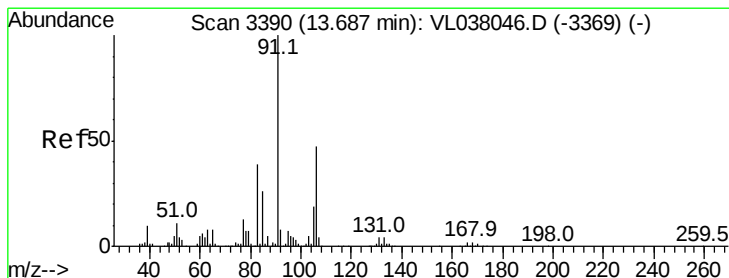
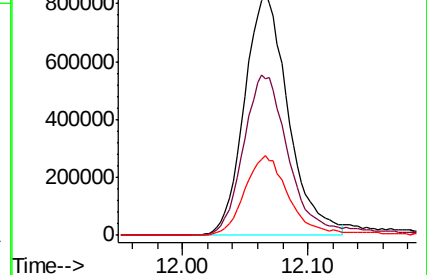
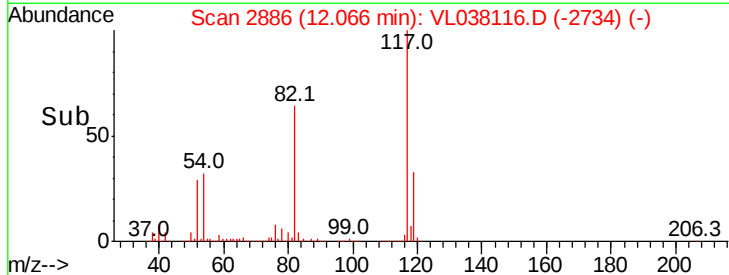
119 34.4 26.8 40.2



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#60

o-Xylene

Concen: 0.249 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VL038116.D

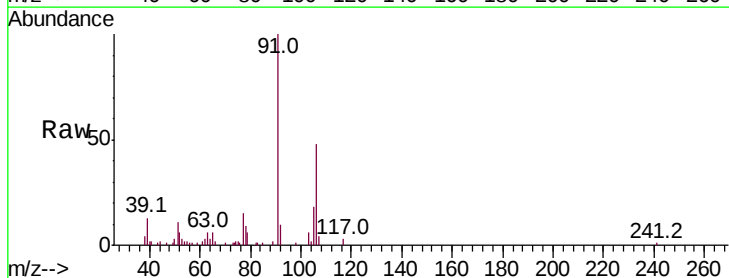
Acq: 24 Nov 2021 1:43

Tgt Ion: 91 Resp: 64967

Ion Ratio Lower Upper

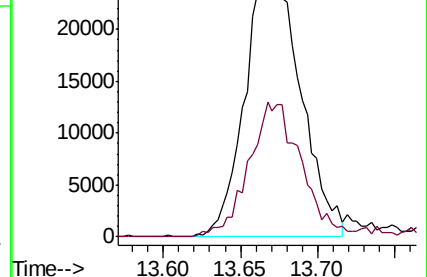
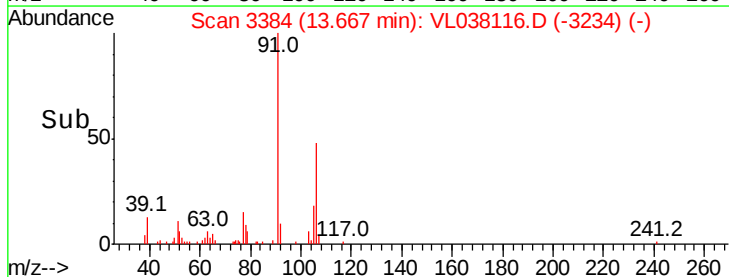
91 100

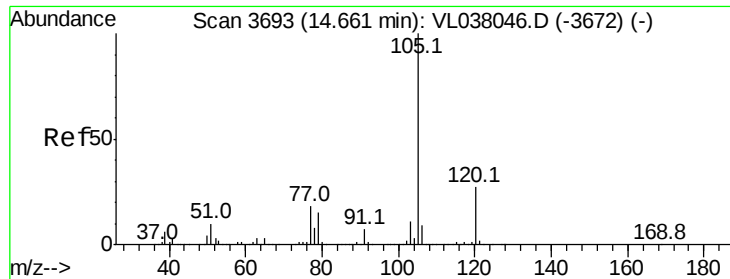
106 48.3 24.2 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#62

Isopropylbenzene

Concen: 0.099 ppbv

RT: 14.64

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

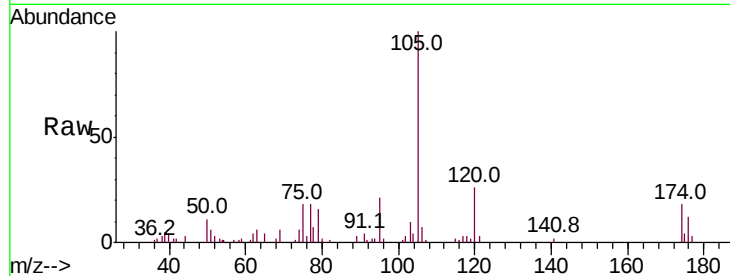
Acq: 24 Nov 2021 1:43

Tot Ion: 105 Resp: 36577

Ion Ratio Lower Upper

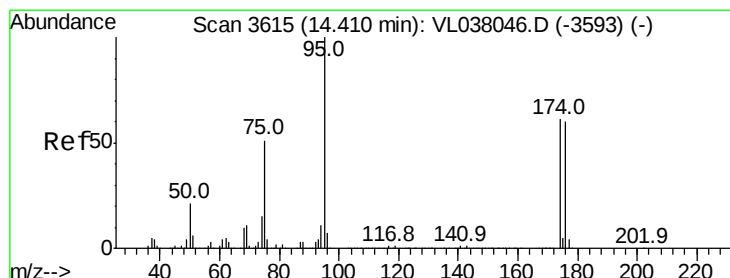
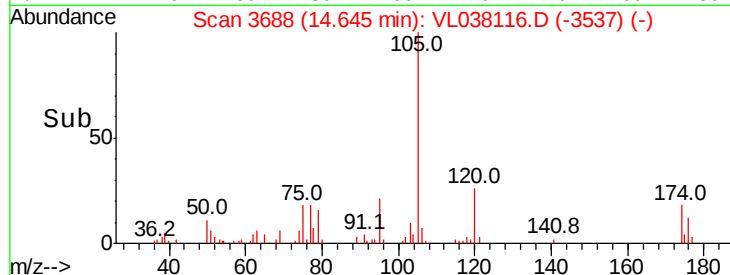
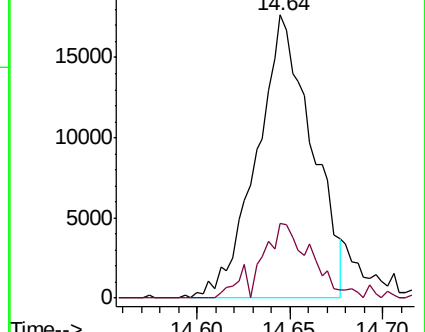
105 100

120 25.4 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 11.334 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.02 min

Lab File: VL038116.D

Acq: 24 Nov 2021 1:43

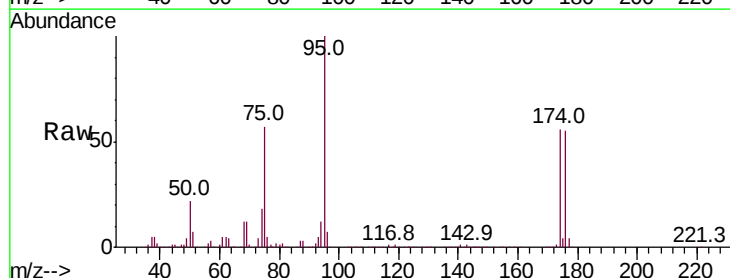
Tgt Ion: 95 Resp: 1652056

Ion Ratio Lower Upper

95 100

174 61.1 53.1 79.7

175 4.4 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

