

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101221\
 Data File : VL037850.D
 Acq On : 13 Oct 2021 10:39
 Operator : SY/AP
 Sample : QC101221 CAN 1065
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC101221 CAN 1065

Quant Time: Oct 14 01:08:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1225836	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3532083	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2909383	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	1993603	9.80	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

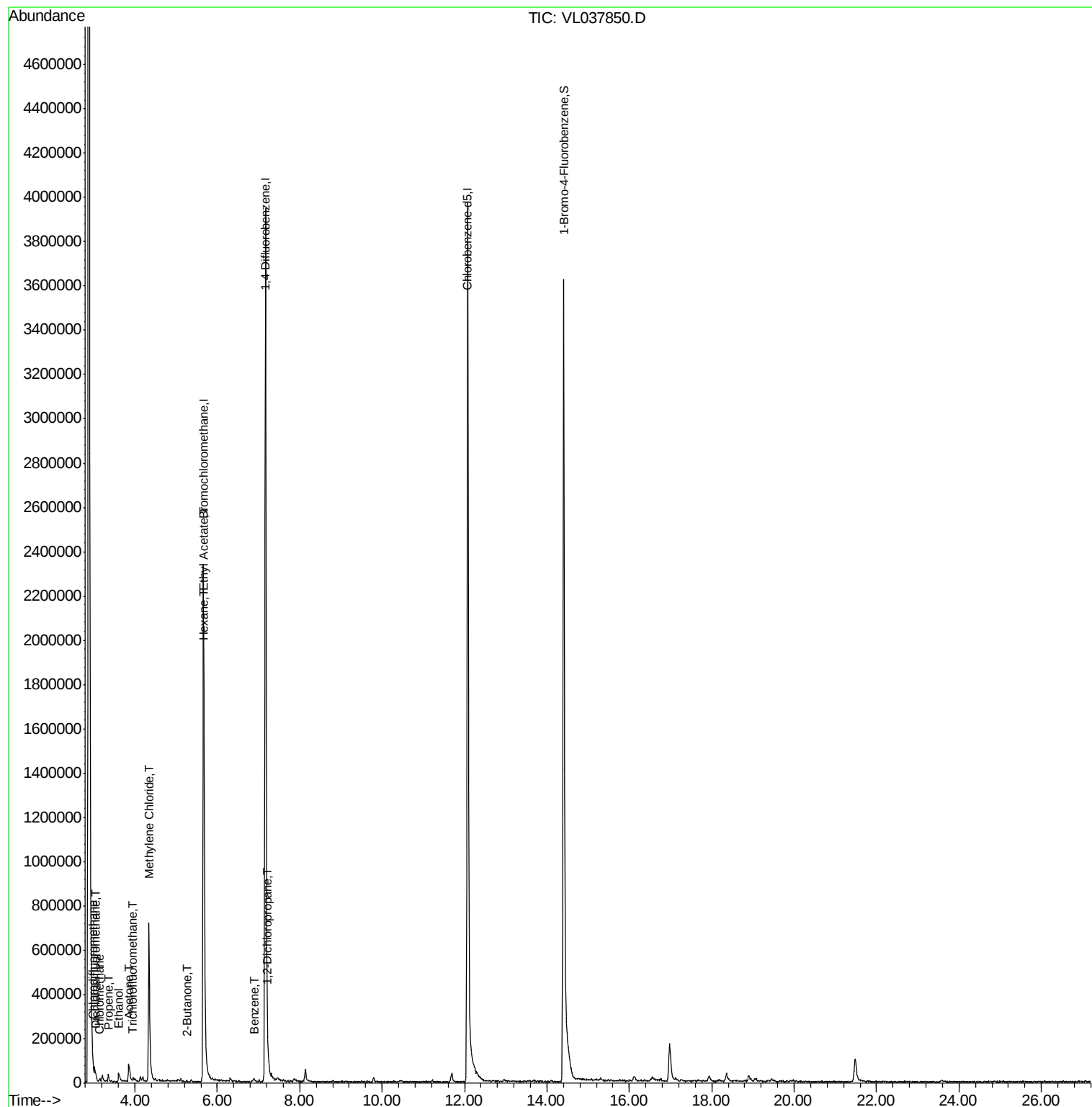
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	13273	0.068	ppbv	90
3) Chlorodifluoromethane	2.99	51	21972	0.093	ppbv #	84
4) Chloromethane	3.14	50	5746	0.067	ppbv #	87
9) Propene	3.36	41	4788	0.055	ppbv	90
11) Trichlorofluoromethane	3.95	101	3888	0.022	ppbv #	81
13) Ethanol	3.61	45	20048	2.829	ppbv #	27
15) Acetone	3.85	43	74885	0.681	ppbv #	82
20) Methylene Chloride	4.34	84	304087	5.469	ppbv	97
25) Ethyl Acetate	5.68	43	104554	0.339	ppbv #	79
26) Hexane	5.68	57	152624	1.004	ppbv #	44
34) 2-Butanone	5.26	43	5175	0.036	ppbv #	61
36) Benzene	6.88	78	6333	0.021	ppbv #	79
39) 1,2-Dichloropropane	7.23	63	12585	0.111	ppbv #	23

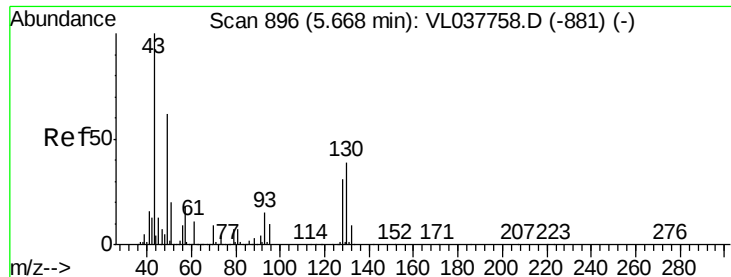
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Oct 2021 10:39

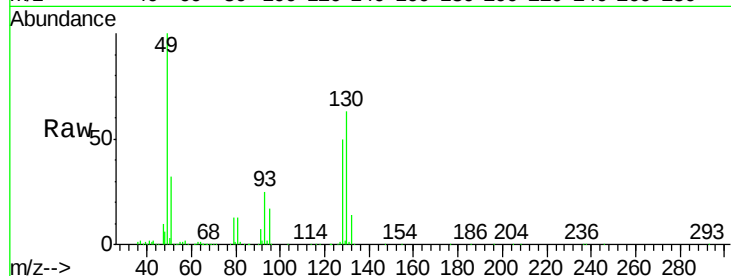
Tgt Ion: 49 Resp: 1225836

Ion Ratio Lower Upper

49 100

128 54.4 27.1 81.3

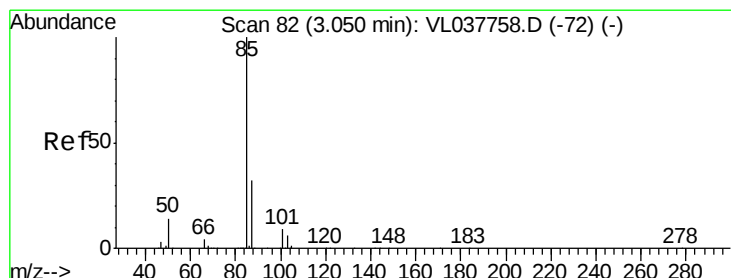
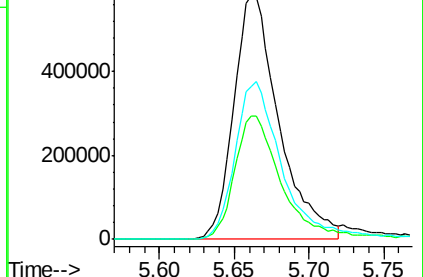
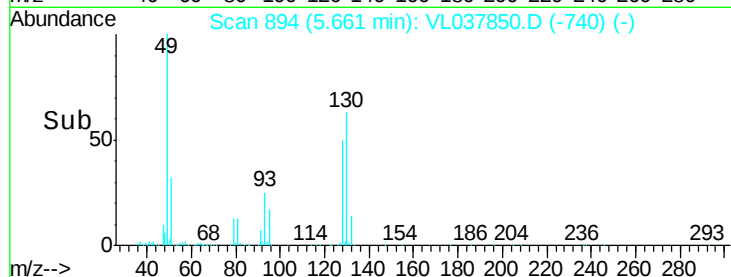
130 68.6 33.2 99.6



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



#2

Dichlorodifluoromethane

Concen: 0.068 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037850.D

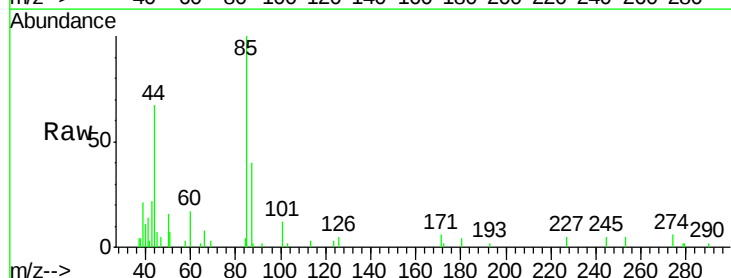
Acq: 13 Oct 2021 10:39

Tgt Ion: 85 Resp: 13273

Ion Ratio Lower Upper

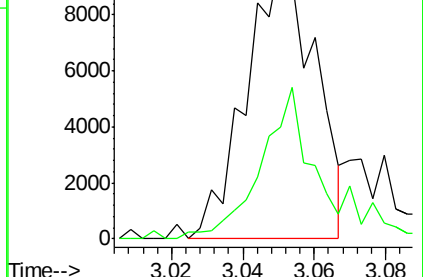
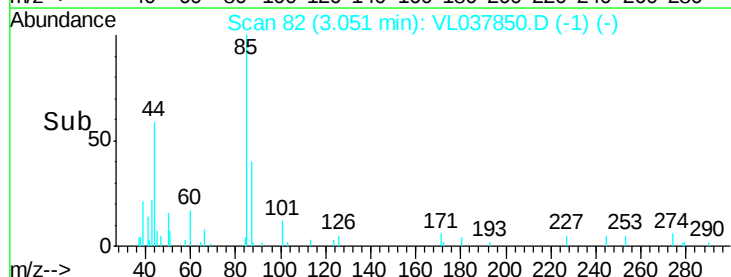
85 100

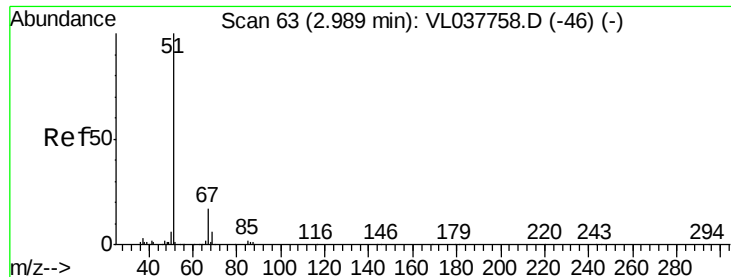
87 37.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.093 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: OC101221 CAN 1065

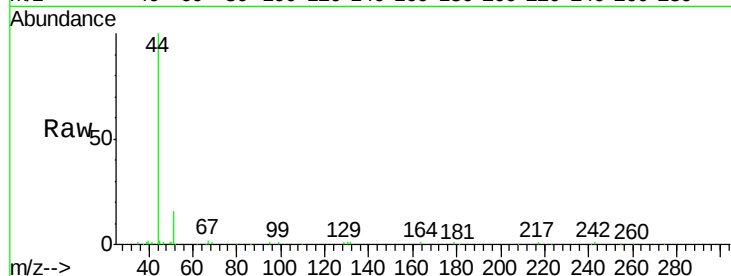
Acq: 13 Oct 2021 10:39

Tgt Ion: 51 Resp: 21972

Ion Ratio Lower Upper

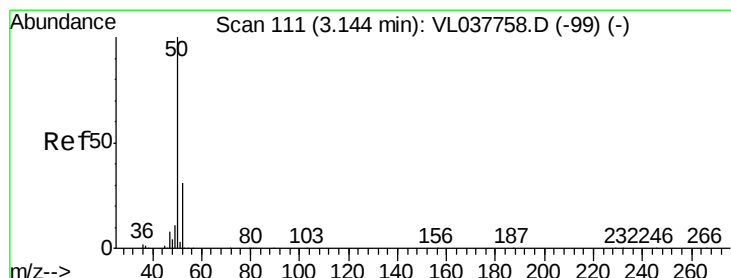
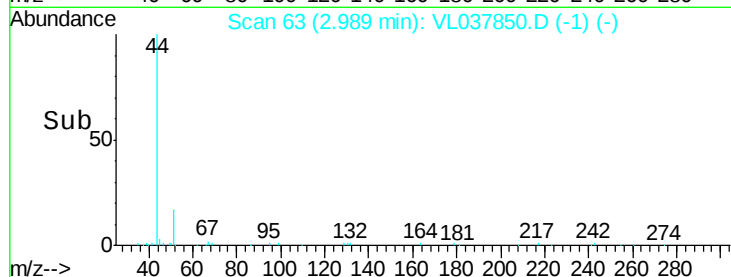
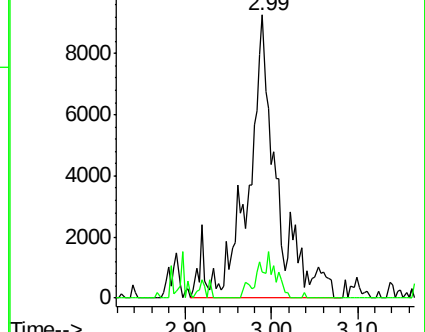
51 100

67 9.9 13.5 20.3#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.067 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL037850.D

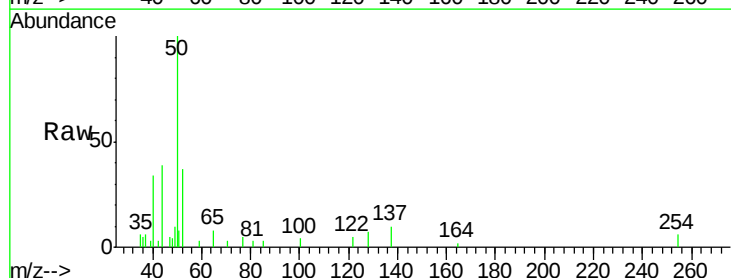
Acq: 13 Oct 2021 10:39

Tgt Ion: 50 Resp: 5746

Ion Ratio Lower Upper

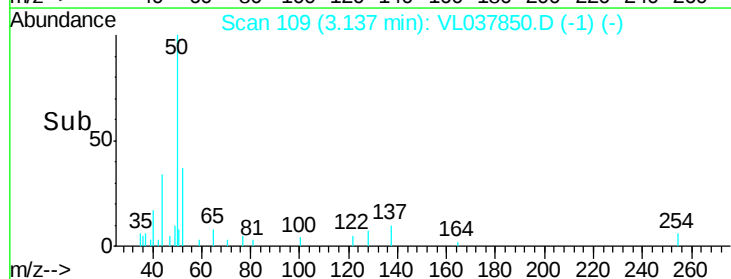
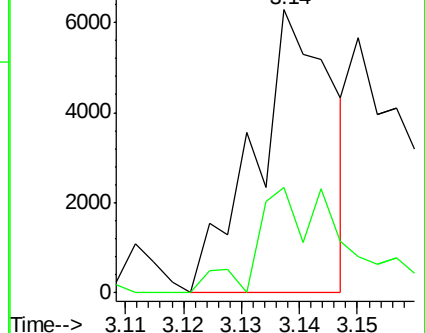
50 100

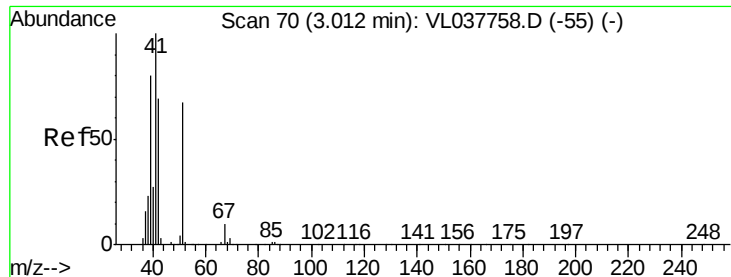
52 37.4 24.4 36.6#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.055 ppbv

RT: 3.36 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

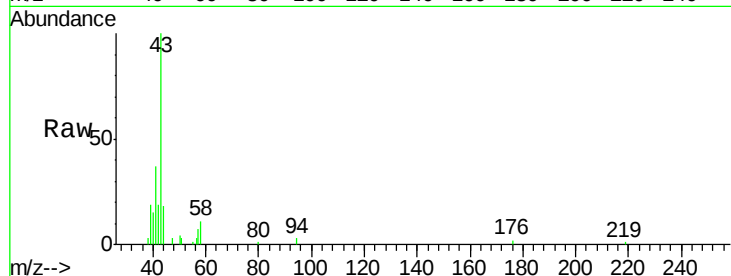
Acq: 13 Oct 2021 10:39

Tgt Ion: 41 Resp: 4788

Ion Ratio Lower Upper

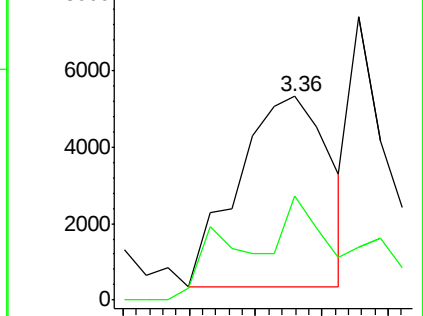
41 100

42 75.8 54.2 81.2

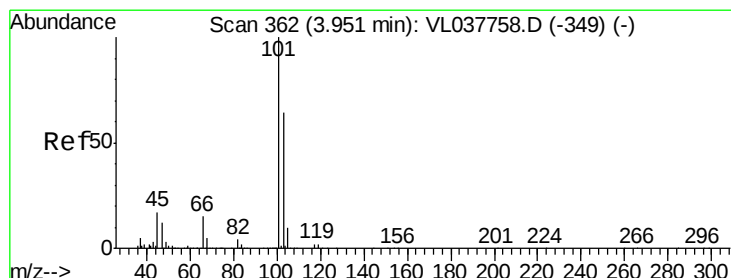
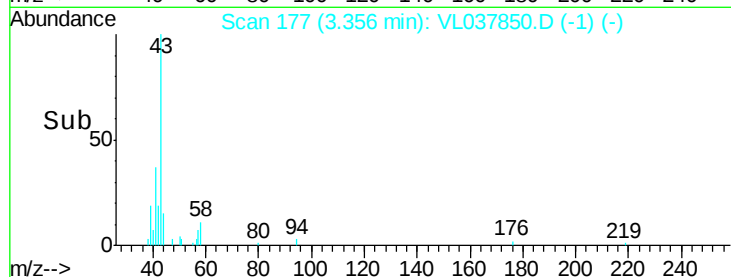


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



Time--> 3.33 3.34 3.35 3.36 3.37



#11

Trichlorofluoromethane

Concen: 0.022 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL037850.D

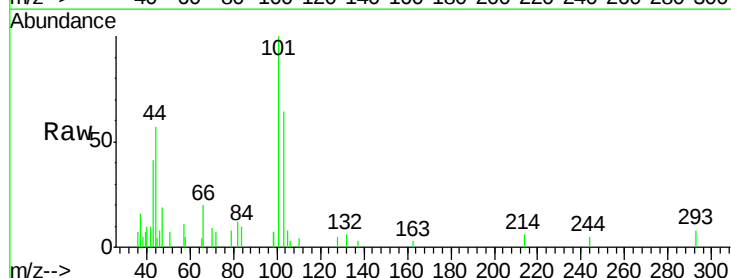
Acq: 13 Oct 2021 10:39

Tgt Ion: 101 Resp: 3888

Ion Ratio Lower Upper

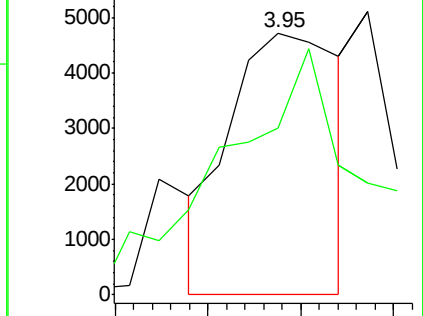
101 100

103 49.8 51.5 77.3#

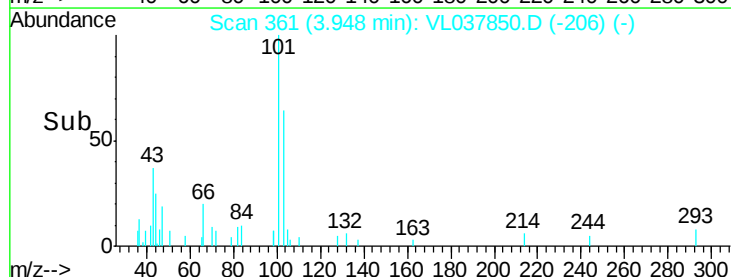


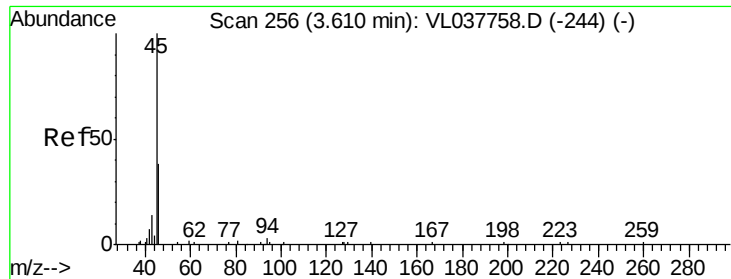
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



Time--> 3.93 3.94 3.95 3.96 3.97





#13

Ethanol

Concen: 2.829 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

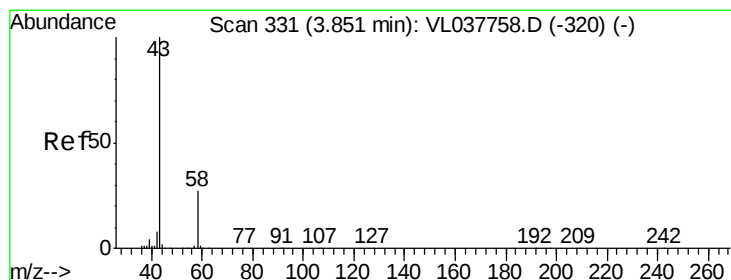
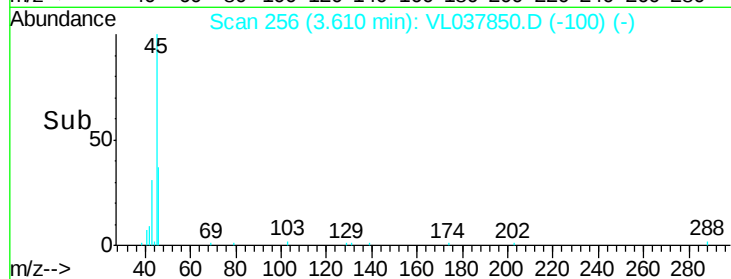
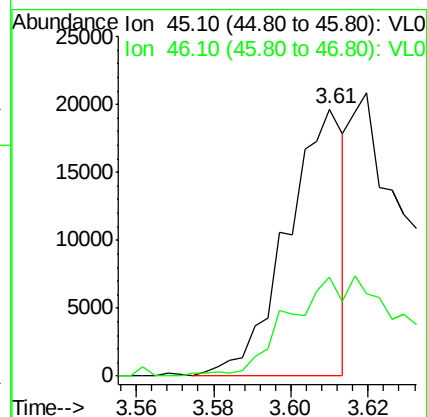
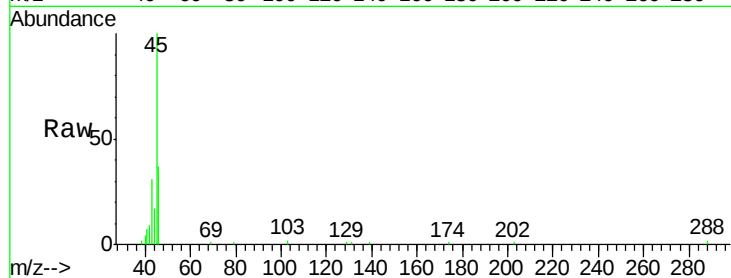
Acq: 13 Oct 2021 10:39 QC101221 CAN 1065

Tgt Ion: 45 Resp: 20048

Ion Ratio Lower Upper

45 100

46 0.0 20.2 81.0#



#15

Acetone

Concen: 0.681 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL037850.D

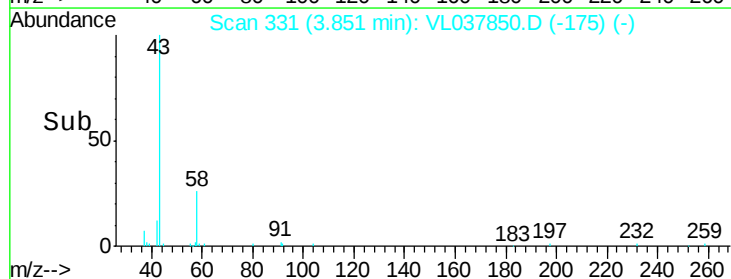
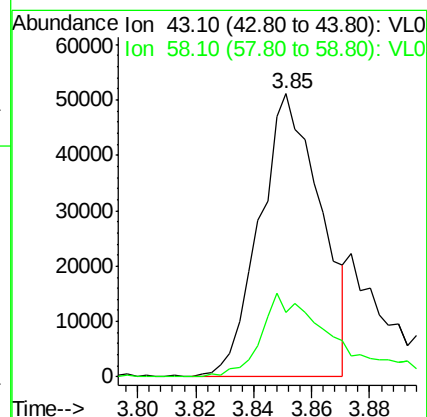
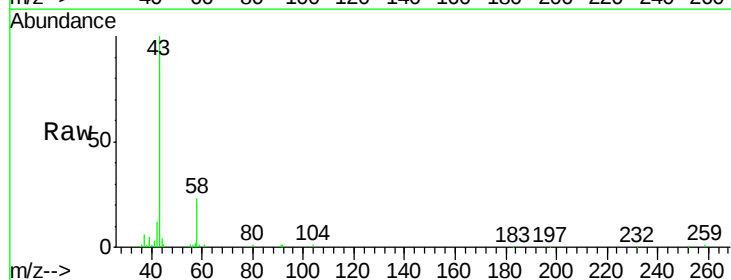
Acq: 13 Oct 2021 10:39

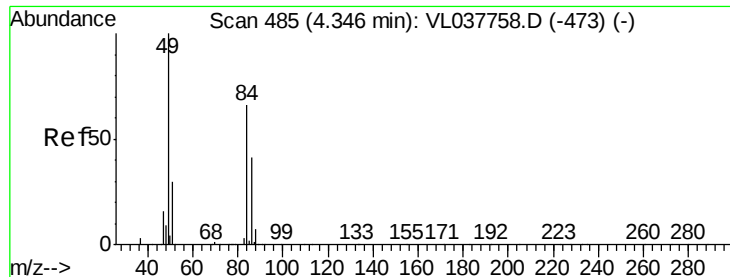
Tgt Ion: 43 Resp: 74885

Ion Ratio Lower Upper

43 100

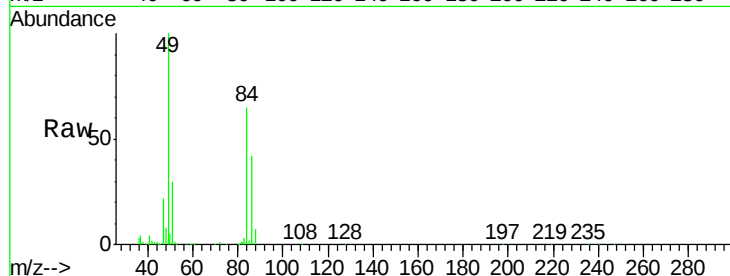
58 38.2 23.0 34.6#



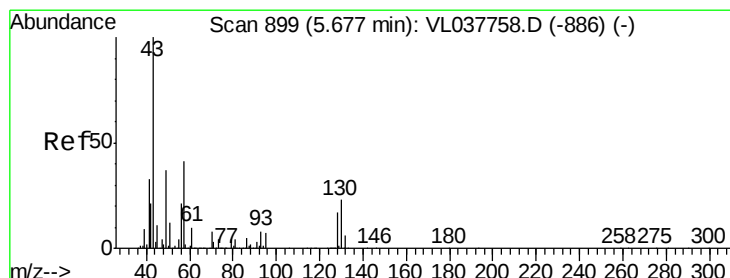
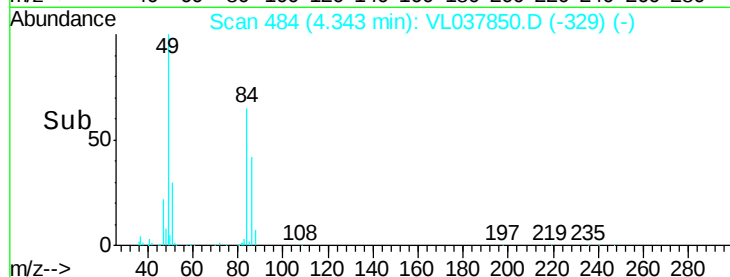
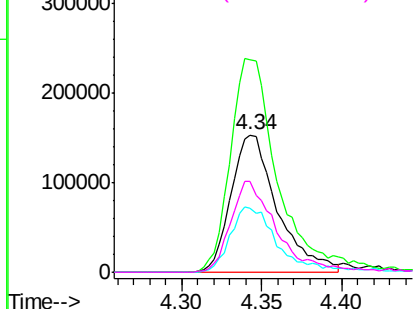


#20
Methylene Chloride
Concen: 5.469 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Oct 2021 10:39

Tgt Ion:	84	Resp:	304087
Ion	Ratio	Lower	Upper
84	100		
49	154.7	120.7	181.1
51	47.0	36.2	54.4
86	65.8	49.6	74.4

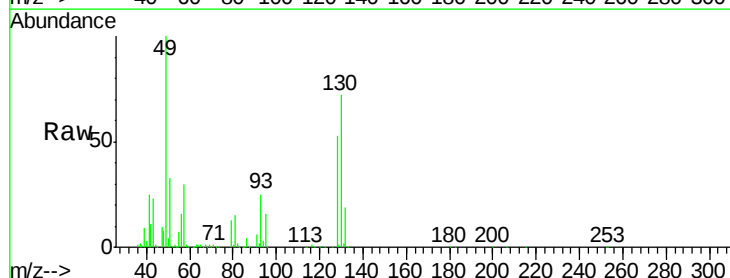


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

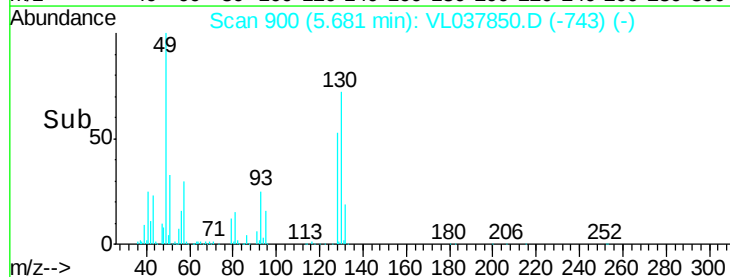
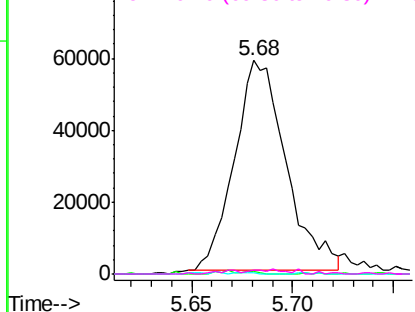


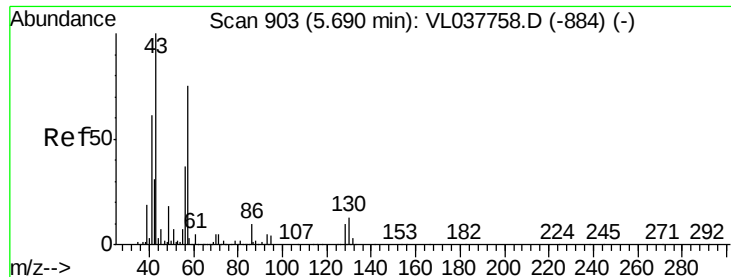
#25
Ethyl Acetate
Concen: 0.339 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL037850.D
Acq: 13 Oct 2021 10:39

Tgt Ion:	43	Resp:	104554
Ion	Ratio	Lower	Upper
43	100		
45	1.0	8.1	12.1#
61	0.7	7.5	11.3#
70	2.6	5.9	8.9#



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: 1.004 ppbv

RT: 5.68 Instrument: MSVOA_1

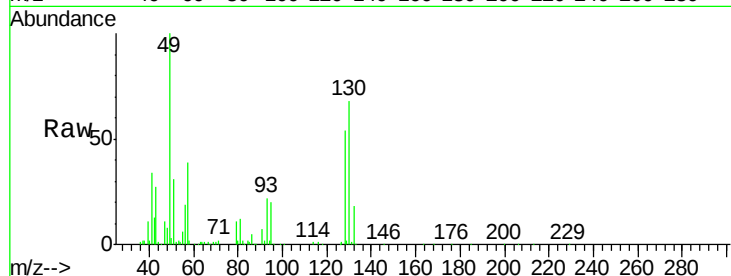
Delta R.T.

Lab File: ClientSampleId: QC101221 CAN 1065

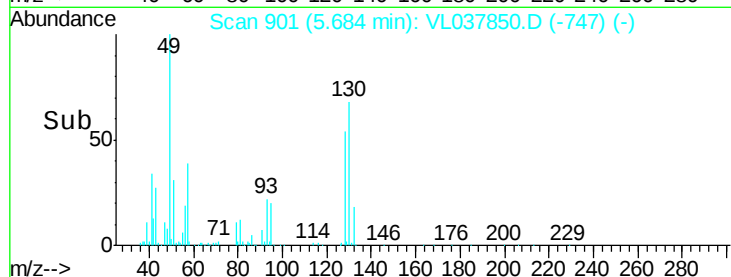
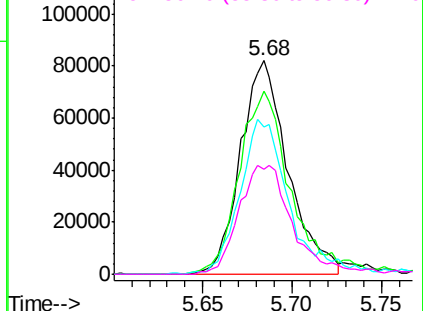
Acq: 13 Oct 2021 10:39

Tgt Ion: 57 Resp: 152624

Ion	Ratio	Lower	Upper
57	100		
41	95.4	69.6	104.4
43	76.5	171.4	257.0#
56	58.8	42.0	63.0



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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

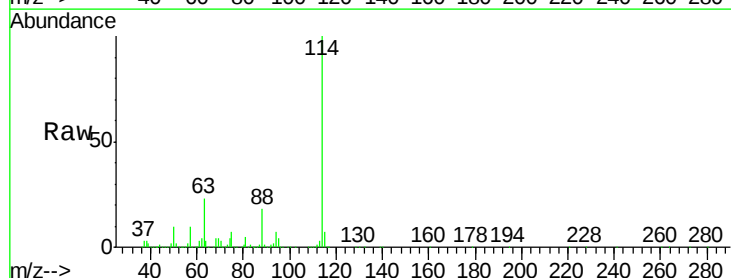
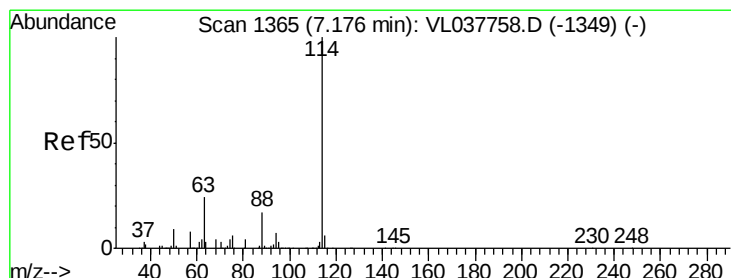
Delta R.T. -0.01 min

Lab File: VL037850.D

Acq: 13 Oct 2021 10:39

Tgt Ion: 114 Resp: 3532083

Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.4	29.2
88	17.7	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

