

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102021\
 Data File : VL037882.D
 Acq On : 20 Oct 2021 11:28
 Operator : SY/AP
 Sample : QC101221 CAN 10605
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC102021 CAN 10605

Quant Time: Oct 21 01:31:18 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	1102433	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3173634	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2740174	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1760724	9.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.90%

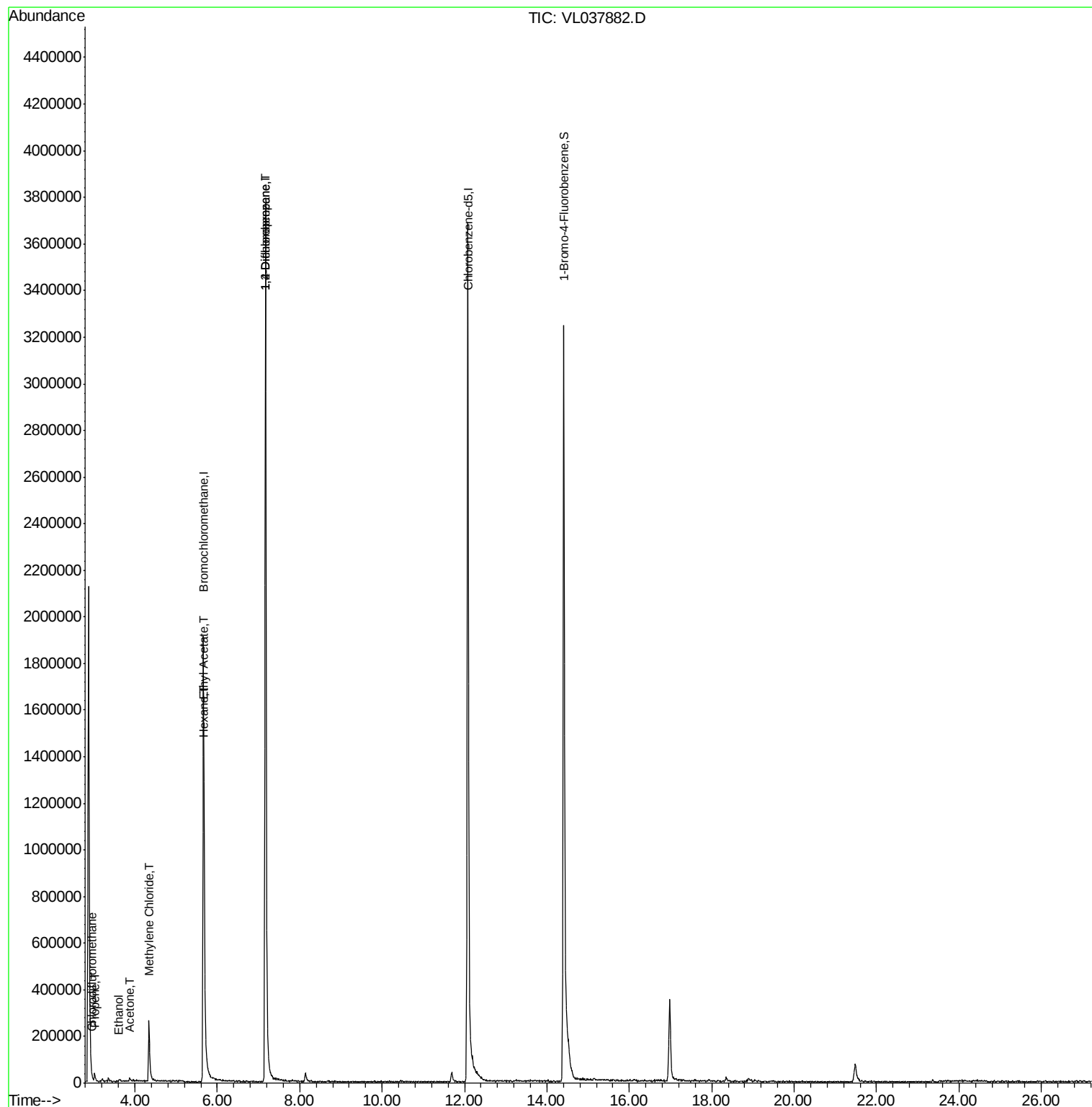
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.97	51	4259	0.020	ppbv #	74
9) Propene	3.02	41	8149	0.105	ppbv #	70
13) Ethanol	3.61	45	1571	0.246	ppbv #	27
15) Acetone	3.87	43	11682	0.118	ppbv #	68
20) Methylene Chloride	4.34	84	100430	2.008	ppbv	94
25) Ethyl Acetate	5.68	43	25260	0.091	ppbv #	81
26) Hexane	5.69	57	32289	0.236	ppbv #	40
39) 1,2-Dichloropropane	7.17	63	741332	7.271	ppbv #	29

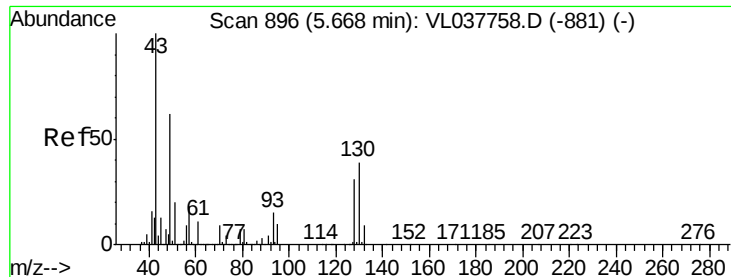
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 20 Oct 2021 11:28 QC102021 CAN 10605

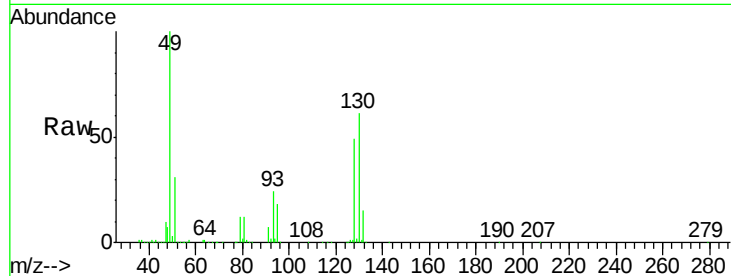
Tgt Ion: 49 Resp: 1102433

Ion Ratio Lower Upper

49 100

128 53.5 27.1 81.3

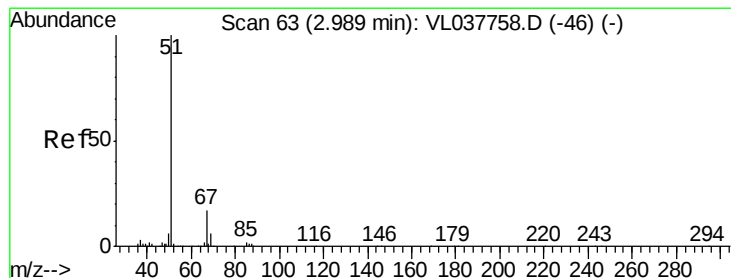
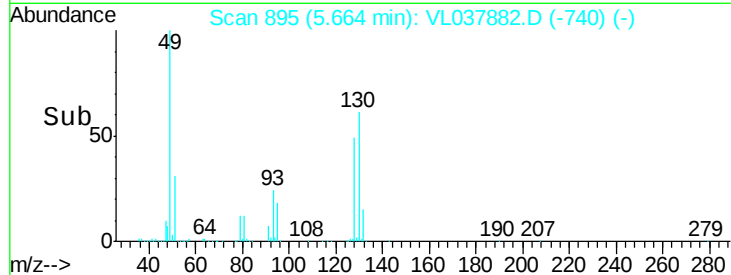
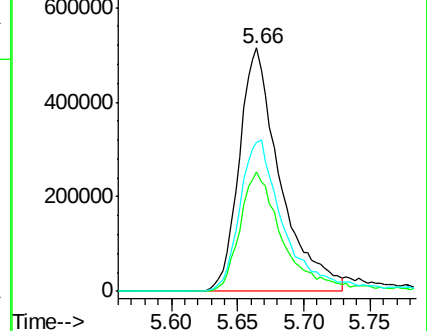
130 69.8 33.2 99.6



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



#3

Chlorodifluoromethane

Concen: 0.020 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.02 min

Lab File: VL037882.D

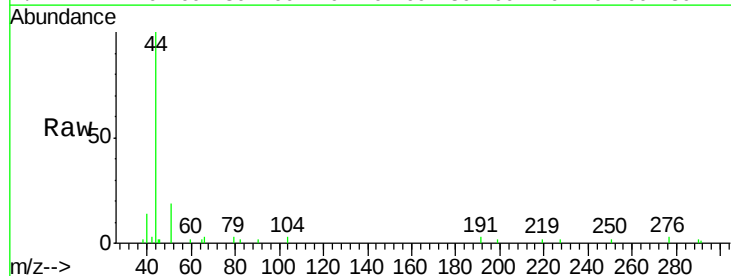
Acq: 20 Oct 2021 11:28

Tgt Ion: 51 Resp: 4259

Ion Ratio Lower Upper

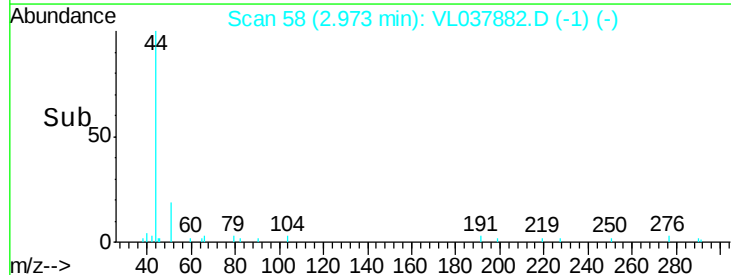
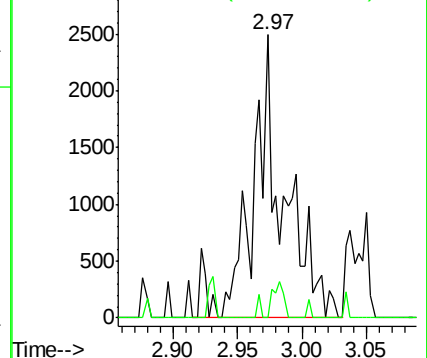
51 100

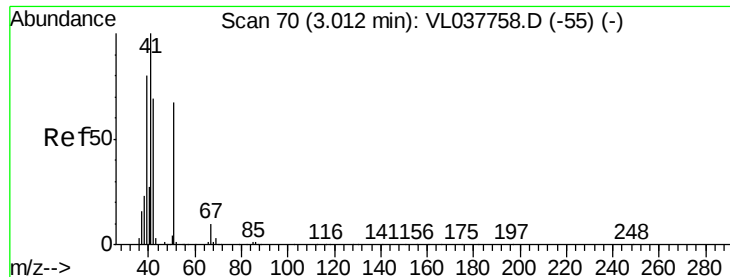
67 5.5 13.5 20.3#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.105 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

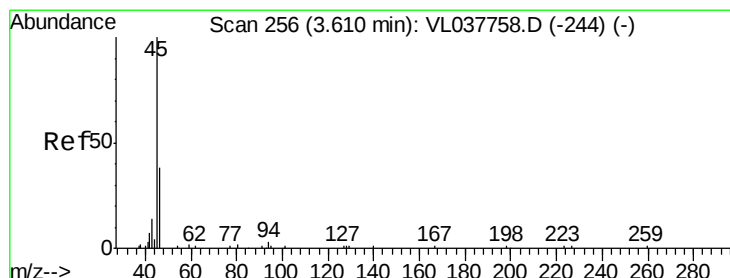
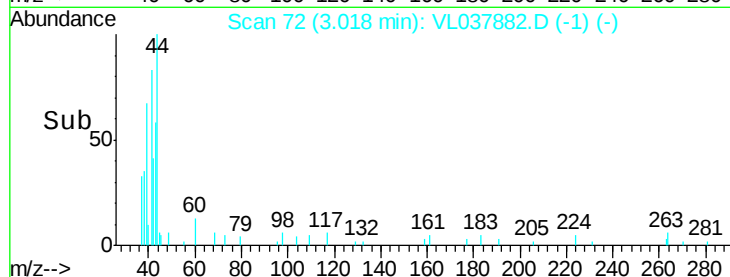
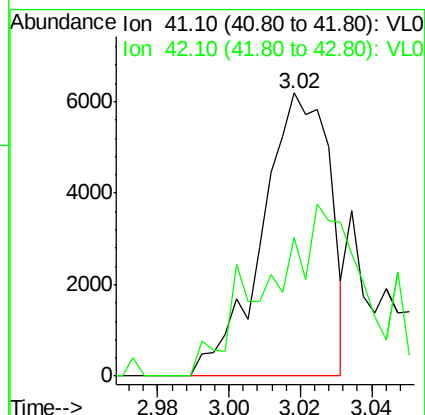
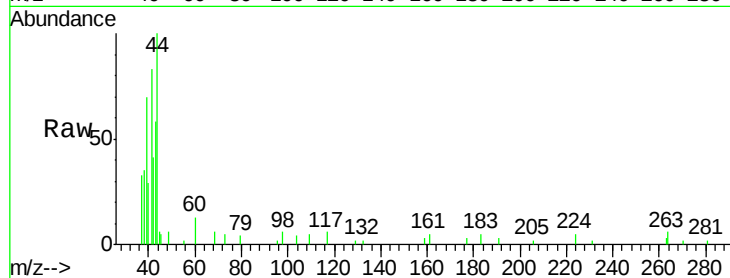
Acq: 20 Oct 2021 11:28 QC102021 CAN 10605

Tgt Ion: 41 Resp: 8149

Ion Ratio Lower Upper

41 100

42 91.8 54.2 81.2#



#13

Ethanol

Concen: 0.246 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL037882.D

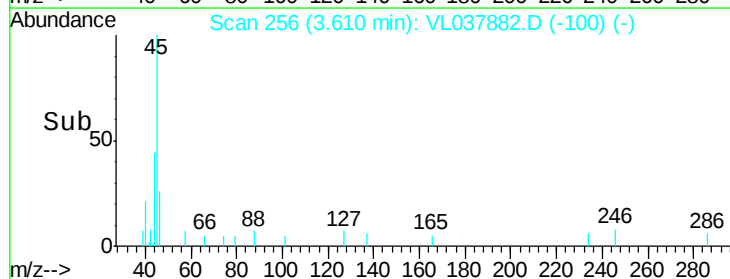
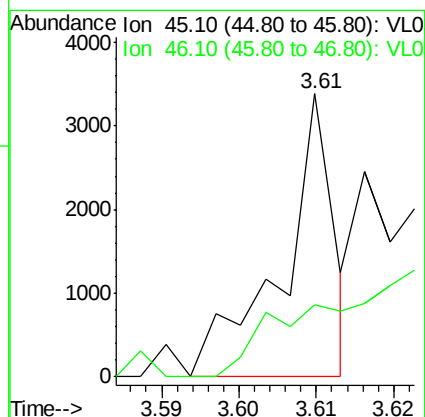
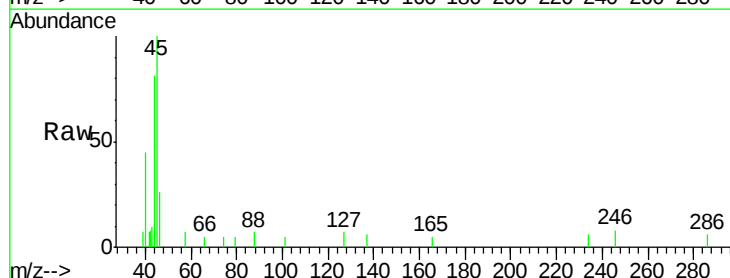
Acq: 20 Oct 2021 11:28

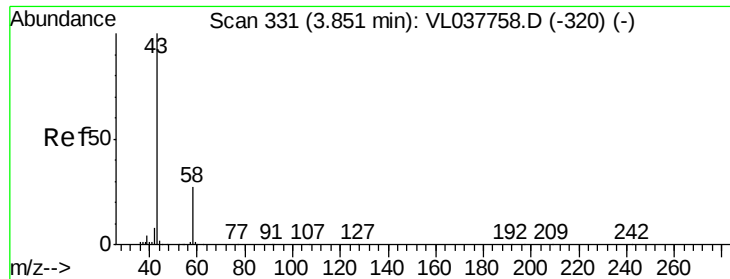
Tgt Ion: 45 Resp: 1571

Ion Ratio Lower Upper

45 100

46 0.0 20.2 81.0#





#15

Acetone

Concen: 0.118 ppbv

RT: 3.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

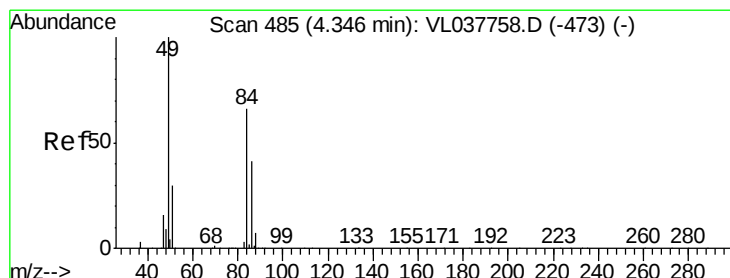
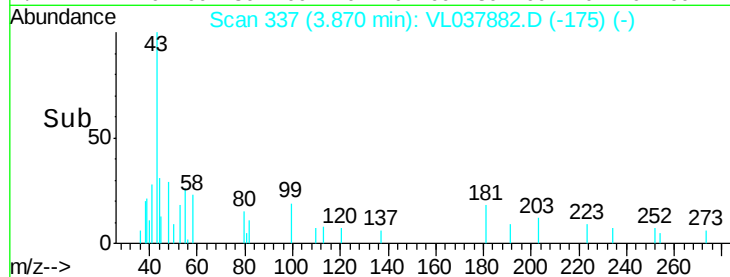
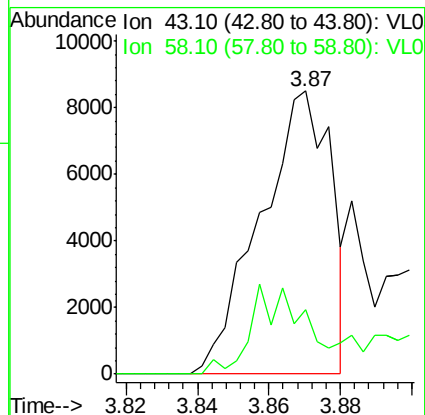
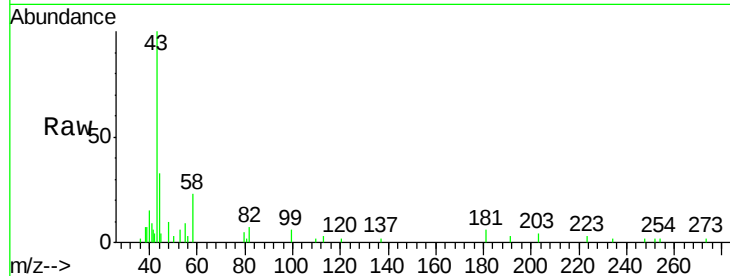
Acq: 20 Oct 2021 11:28 QC102021 CAN 10605

Tgt Ion: 43 Resp: 11682

Ion Ratio Lower Upper

43 100

58 45.8 23.0 34.6#



#20

Methylene Chloride

Concen: 2.008 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL037882.D

Acq: 20 Oct 2021 11:28

Tgt Ion: 84 Resp: 100430

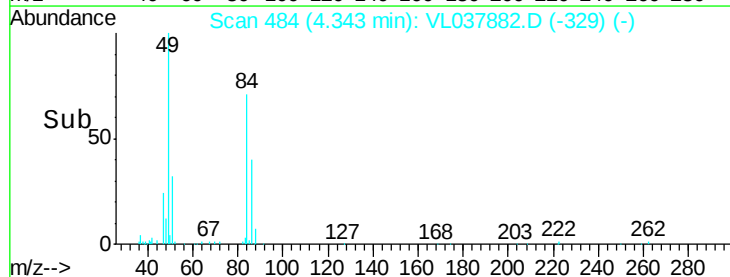
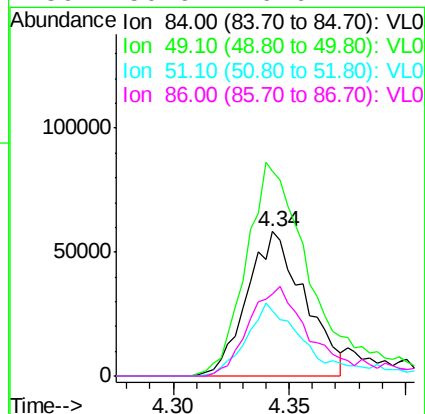
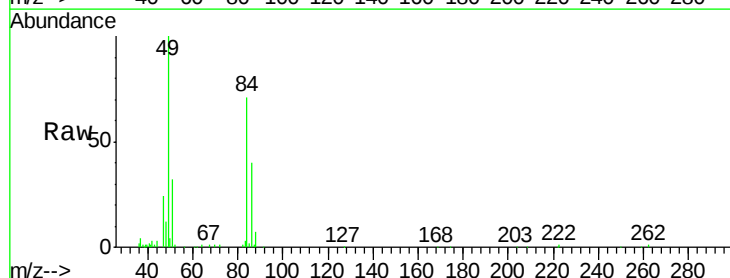
Ion Ratio Lower Upper

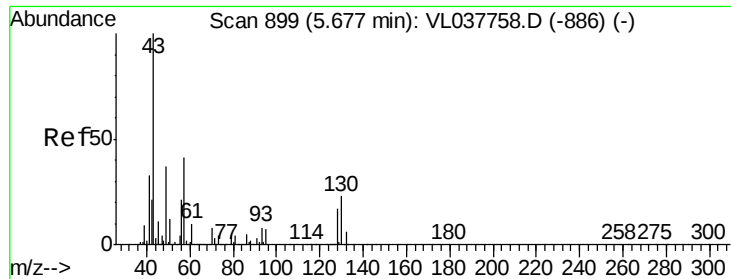
84 100

49 141.3 120.7 181.1

51 44.9 36.2 54.4

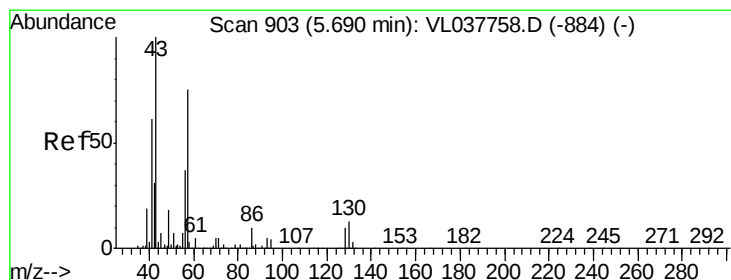
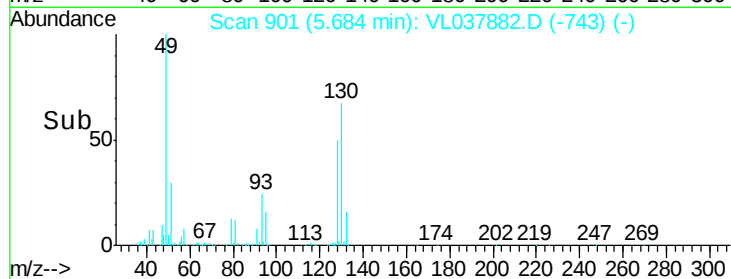
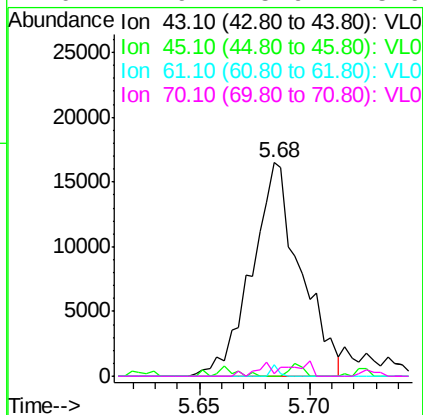
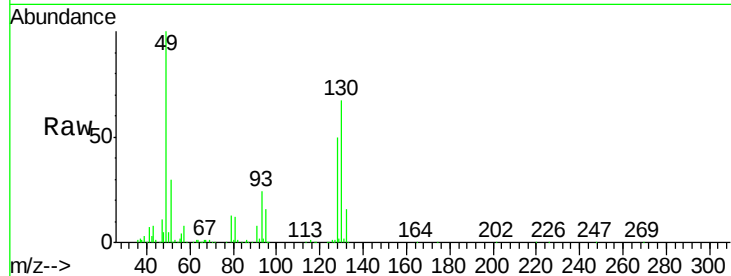
86 56.6 49.6 74.4





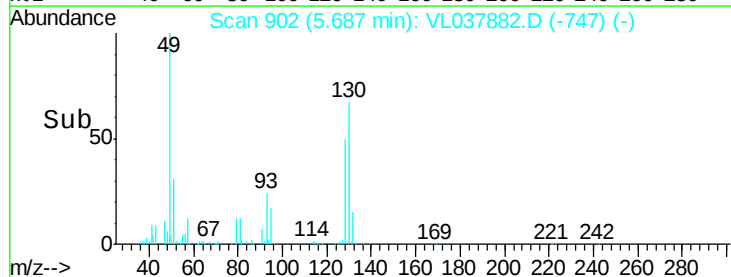
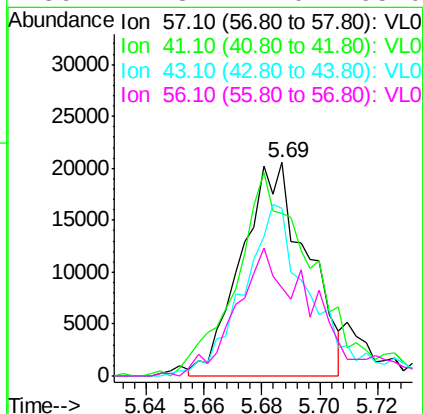
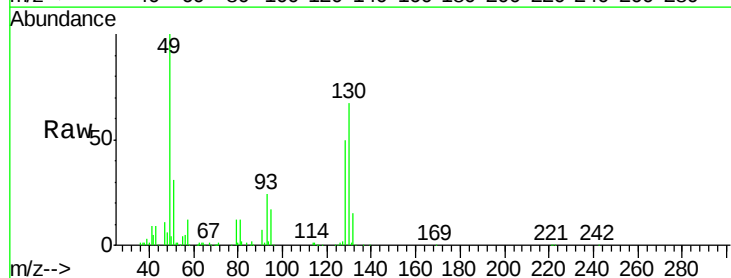
#25
Ethyl Acetate
Concen: 0.091 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 20 Oct 2021 11:28

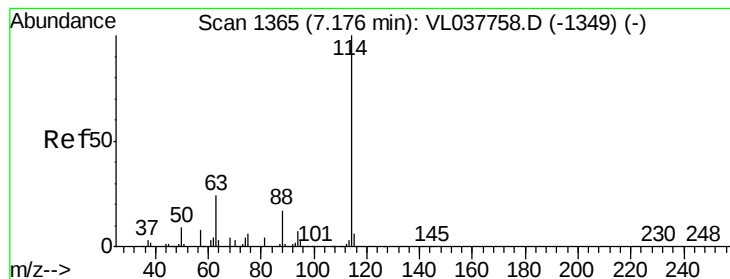
Tgt Ion:	43	Resp:	25260
Ion	Ratio	Lower	Upper
43	100		
45	1.7	8.1	12.1#
61	0.9	7.5	11.3#
70	4.9	5.9	8.9#



#26
Hexane
Concen: 0.236 ppbv
RT: 5.69 min Scan# 902
Delta R.T.: -0.00 min
Lab File: VL037882.D
Acq: 20 Oct 2021 11:28

Tgt Ion:	57	Resp:	32289
Ion	Ratio	Lower	Upper
57	100		
41	118.6	69.6	104.4#
43	89.3	171.4	257.0#
56	72.3	42.0	63.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Oct 2021 11:28

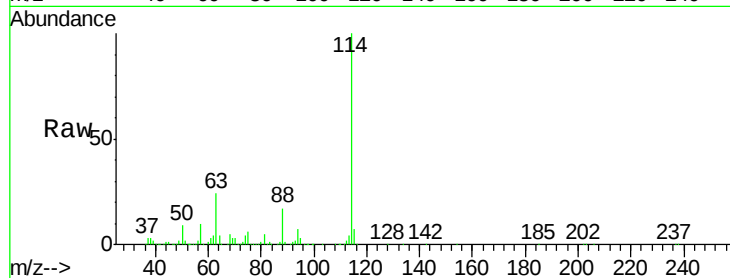
Tgt Ion: 114 Resp: 3173634

Ion Ratio Lower Upper

114 100

63 24.2 19.4 29.2

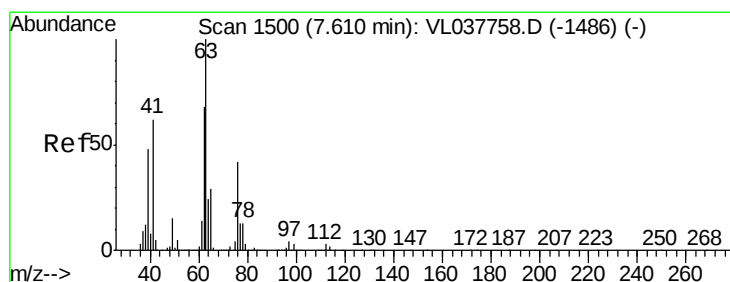
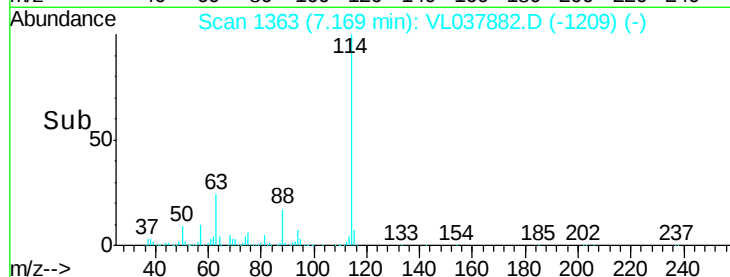
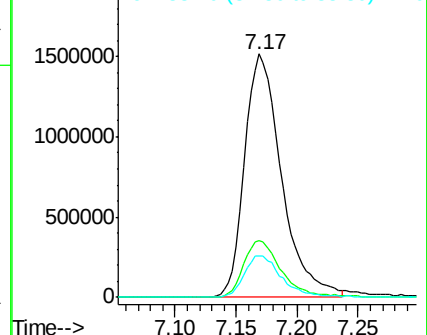
88 17.8 14.4 21.6



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



#39

1,2-Dichloropropane

Concen: 7.271 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.44 min

Lab File: VL037882.D

Acq: 20 Oct 2021 11:28

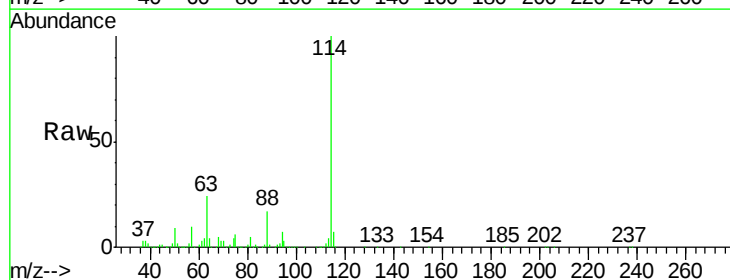
Tgt Ion: 63 Resp: 741332

Ion Ratio Lower Upper

63 100

41 0.2 49.8 74.6#

62 17.1 54.6 82.0#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

