

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101221\
 Data File : VL037835.D
 Acq On : 12 Oct 2021 18:34
 Operator : SY/AP
 Sample : M4079-05DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P04DL

Quant Time: Oct 14 01:05:46 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	1266350	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3806986	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3272984	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2243029	9.80	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

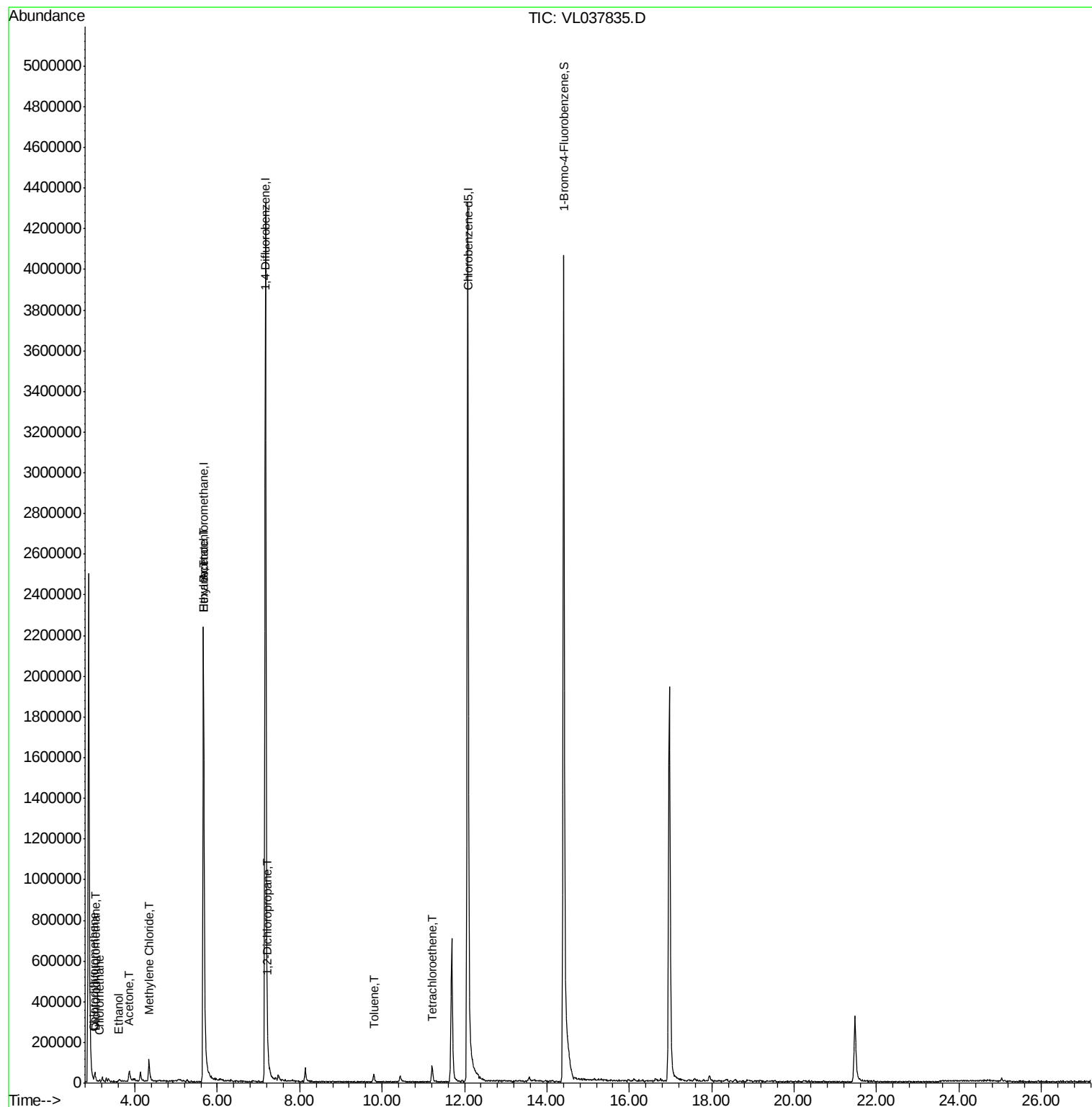
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	6805	0.034	ppbv	94
3) Chlorodifluoromethane	3.00	51	13375	0.055	ppbv #	79
4) Chloromethane	3.14	50	2203	0.025	ppbv #	69
13) Ethanol	3.61	45	5189	0.709	ppbv #	27
15) Acetone	3.85	43	56684	0.499	ppbv #	81
20) Methylene Chloride	4.34	84	35205	0.613	ppbv	96
25) Ethyl Acetate	5.68	43	6532	0.020	ppbv #	64
26) Hexane	5.68	57	16990	0.108	ppbv #	56
39) 1,2-Dichloropropane	7.22	63	9744	0.080	ppbv #	30
52) Tetrachloroethene	11.21	164	4524	0.036	ppbv #	70
53) Toluene	9.79	91	9311	0.026	ppbv #	20

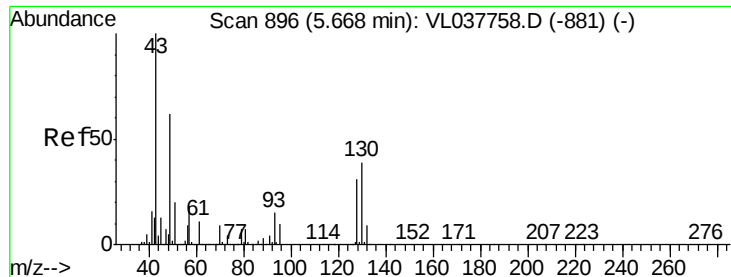
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: C0P04DL

Acq: 12 Oct 2021 18:34

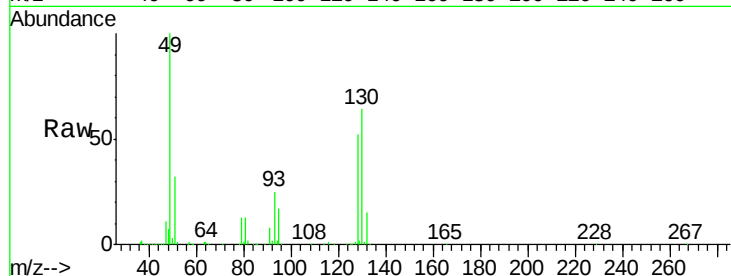
Tgt Ion: 49 Resp: 1266350

Ion Ratio Lower Upper

49 100

128 56.4 27.1 81.3

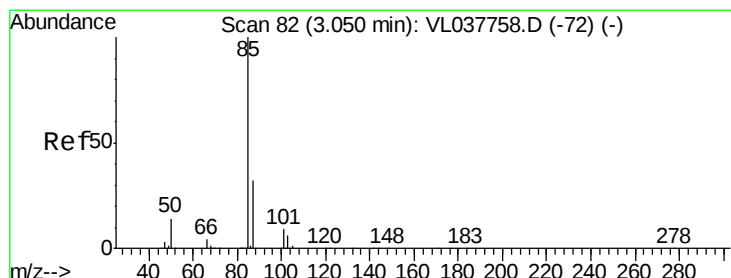
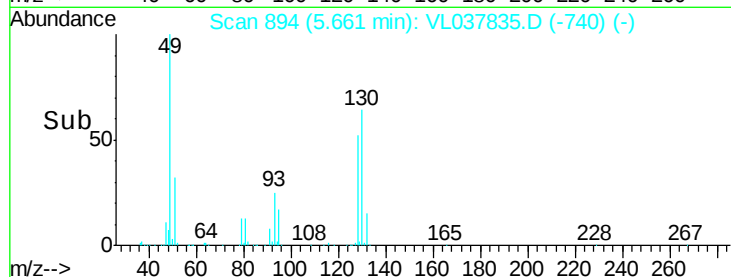
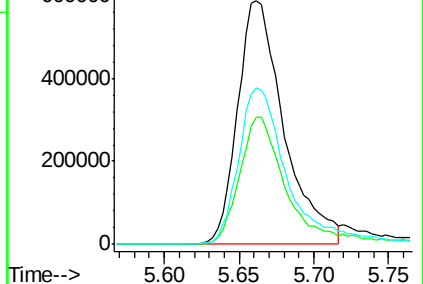
130 70.5 33.2 99.6



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: 0.034 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037835.D

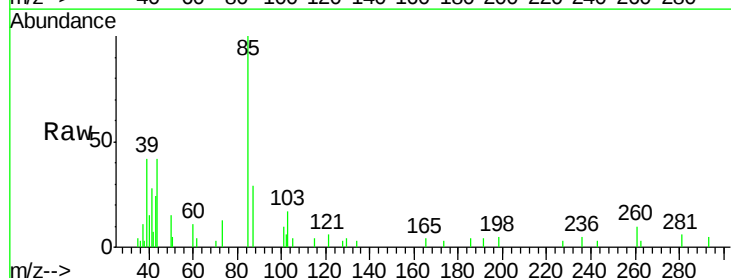
Acq: 12 Oct 2021 18:34

Tgt Ion: 85 Resp: 6805

Ion Ratio Lower Upper

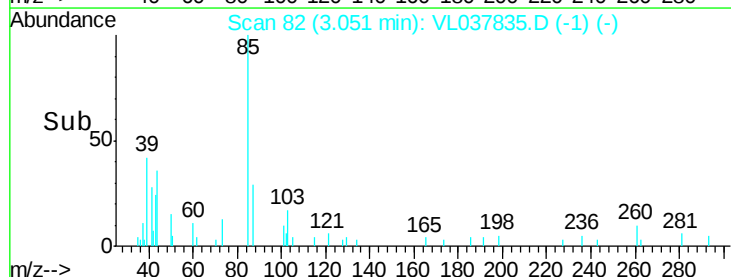
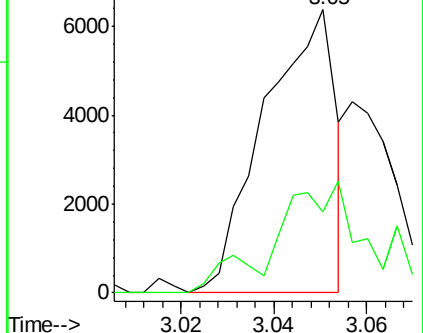
85 100

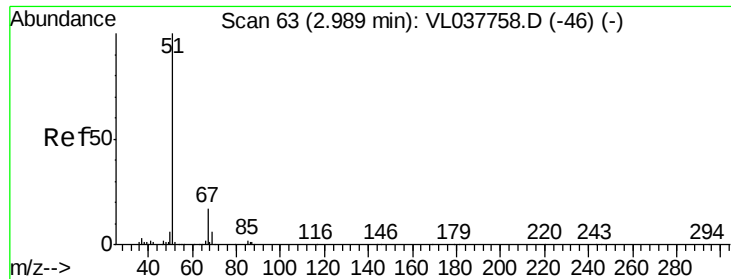
87 28.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.055 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

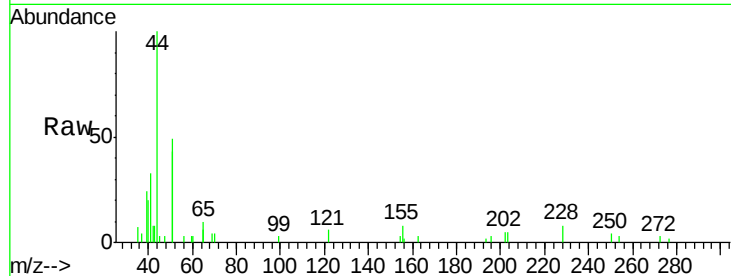
Acq: 12 Oct 2021 18:34

Tgt Ion: 51 Resp: 13375

Ion Ratio Lower Upper

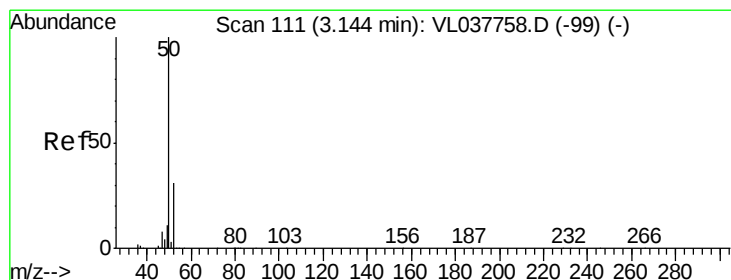
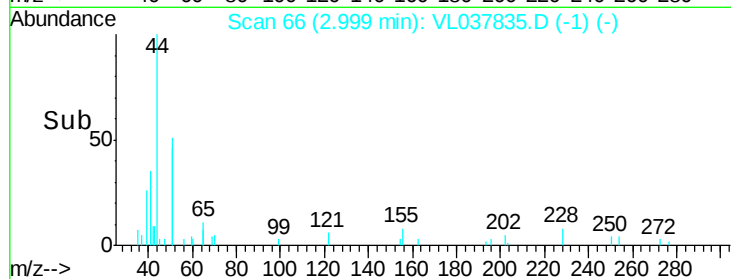
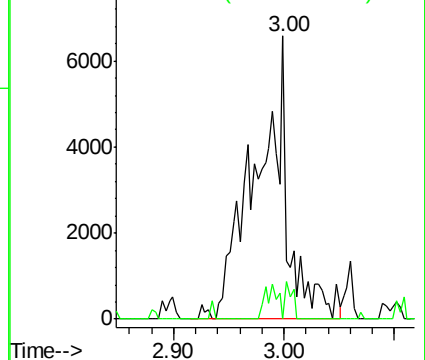
51 100

67 7.8 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: 0.025 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL037835.D

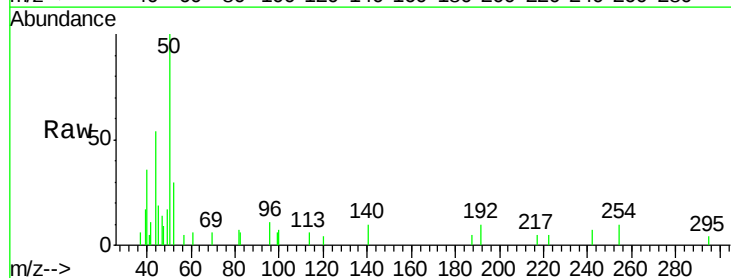
Acq: 12 Oct 2021 18:34

Tgt Ion: 50 Resp: 2203

Ion Ratio Lower Upper

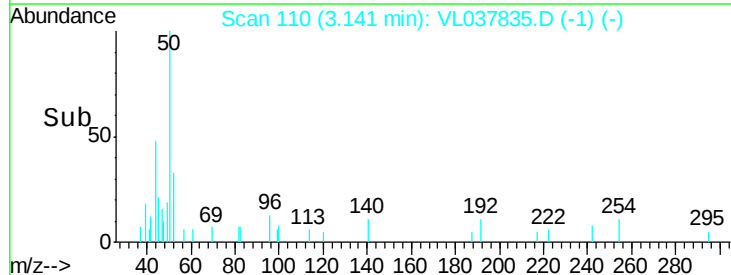
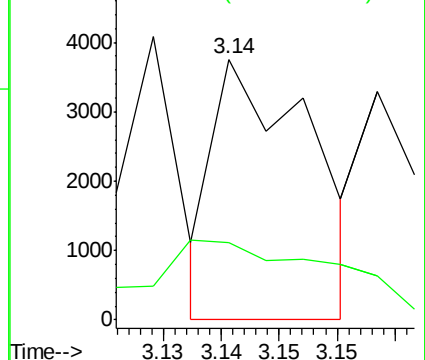
50 100

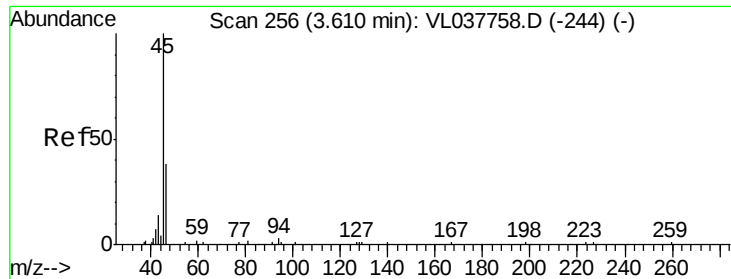
52 13.8 24.4 36.6#



Abundance Ion 50.10 (49.80 to 50.80): VL0

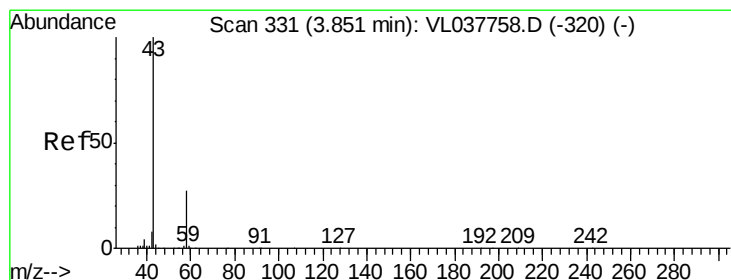
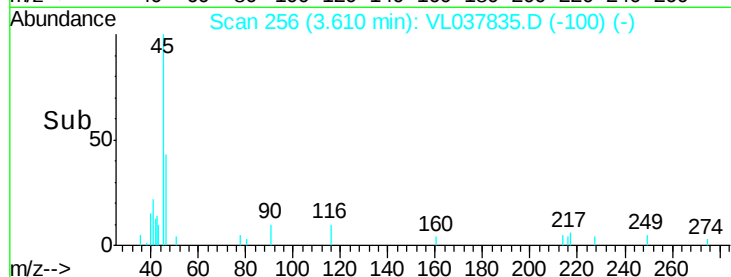
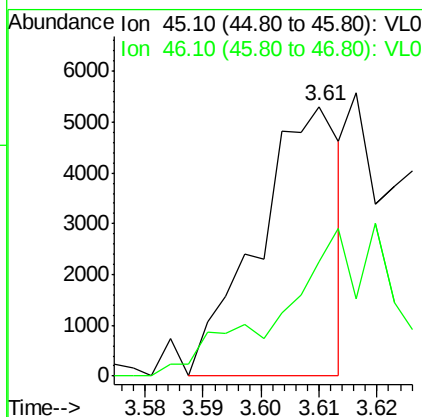
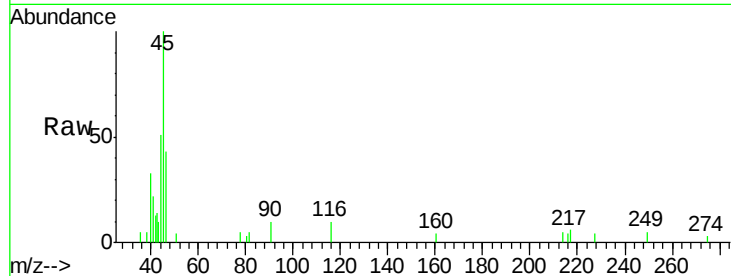
Ion 52.10 (51.80 to 52.80): VL0





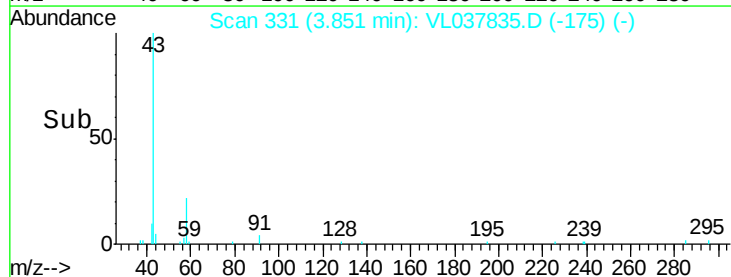
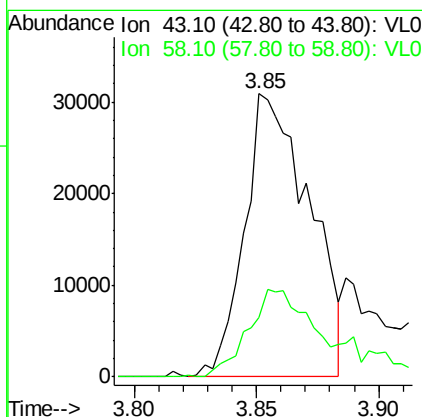
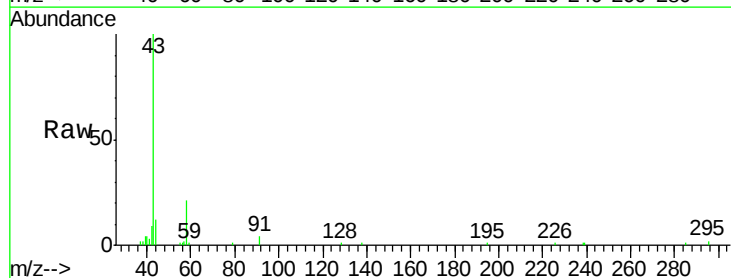
#13
Ethanol
Concen: 0.709 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Oct 2021 18:34

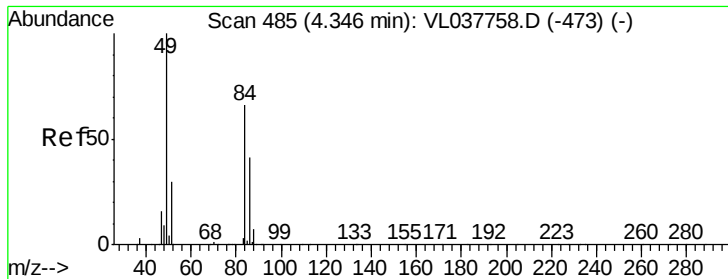
Tgt Ion: 45 Resp: 5189
Ion Ratio Lower Upper
45 100
46 0.0 20.2 81.0#



#15
Acetone
Concen: 0.499 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL037835.D
Acq: 12 Oct 2021 18:34

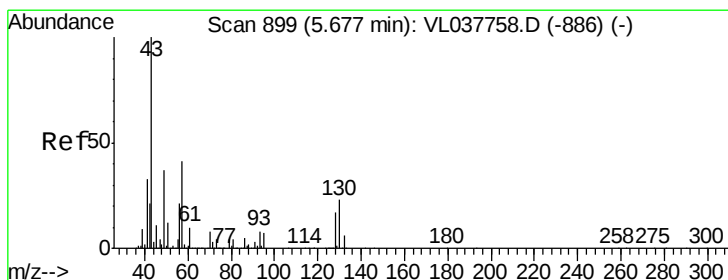
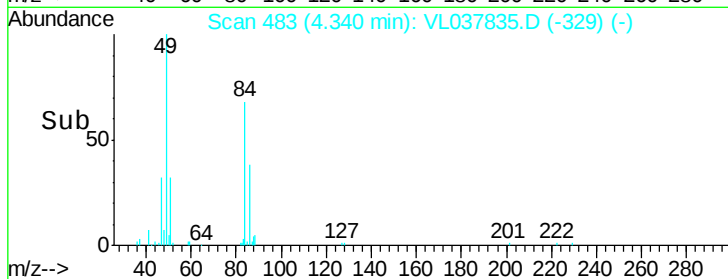
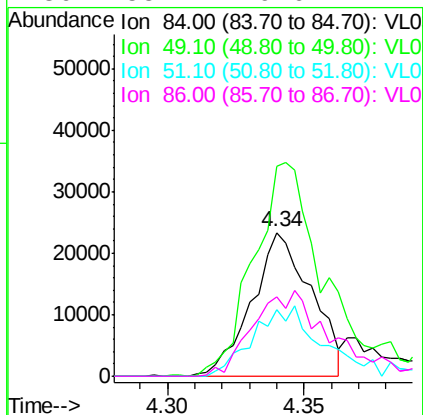
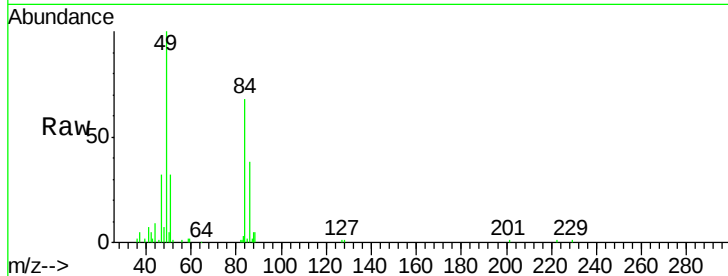
Tgt Ion: 43 Resp: 56684
Ion Ratio Lower Upper
43 100
58 38.8 23.0 34.6#





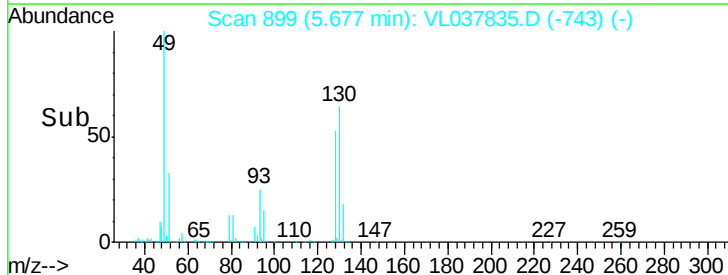
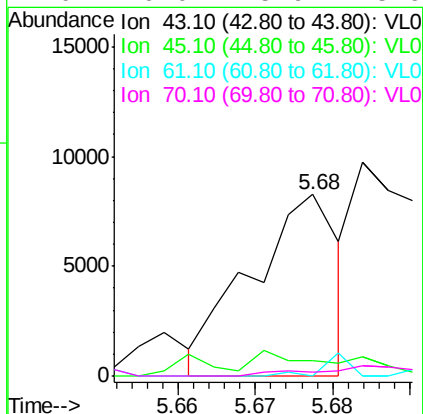
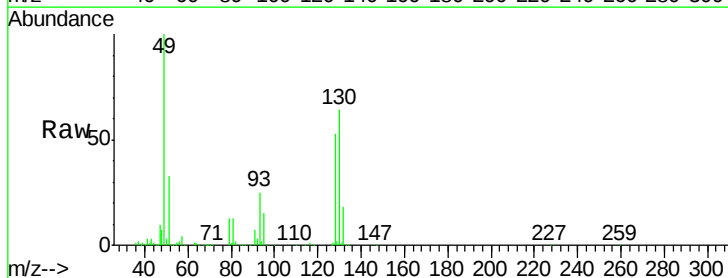
#20
Methylene Chloride
Concen: 0.613 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Oct 2021 18:34

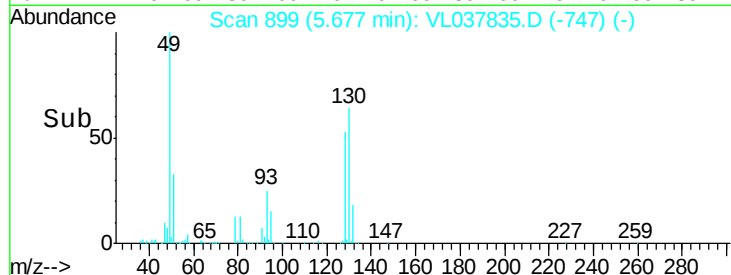
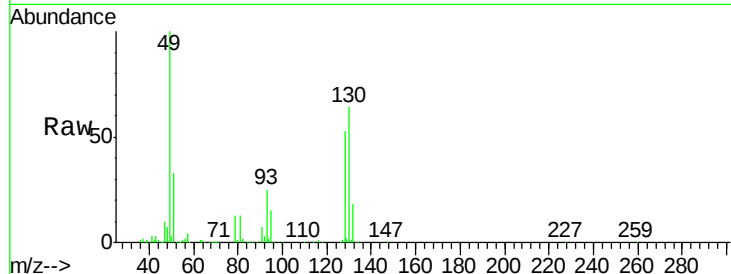
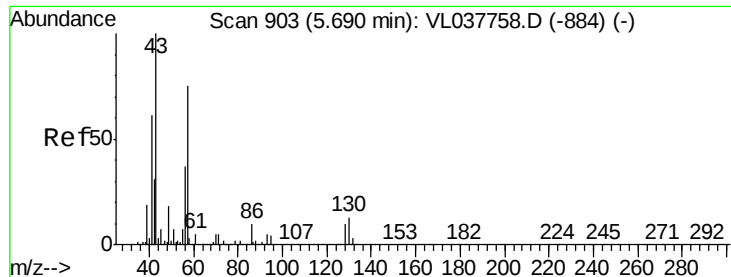
Tgt Ion:	84	Resp:	35205
Ion	Ratio	Lower	Upper
84	100		
49	146.1	120.7	181.1
51	46.1	36.2	54.4
86	55.4	49.6	74.4



#25
Ethyl Acetate
Concen: 0.020 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL037835.D
Acq: 12 Oct 2021 18:34

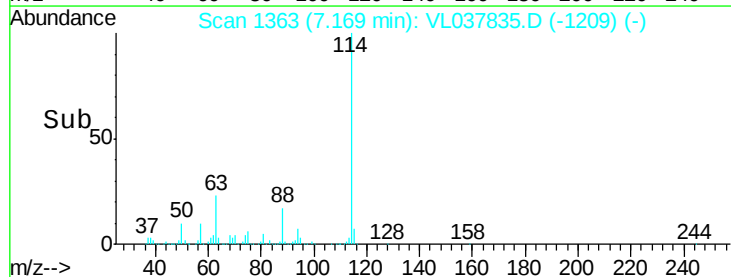
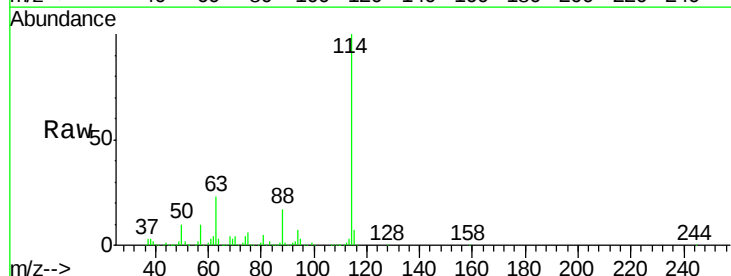
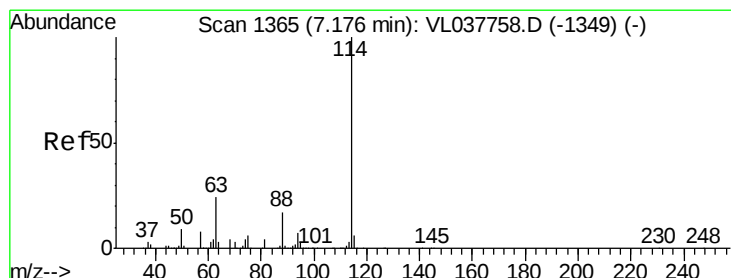
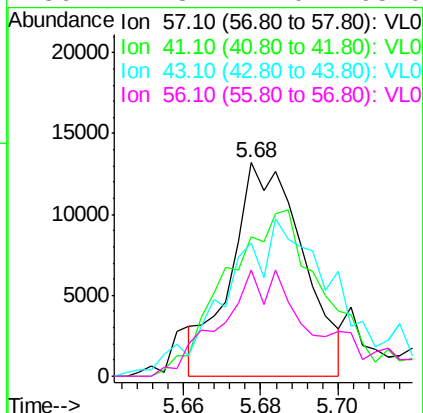
Tgt Ion:	43	Resp:	6532
Ion	Ratio	Lower	Upper
43	100		
45	31.1	8.1	12.1#
61	0.0	7.5	11.3#
70	0.0	5.9	8.9#





#26
Hexane
Concen: 0.108 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Oct 2021 18:34

Tgt Ion:	57	Resp:	16990
Ion	Ratio	Lower	Upper
57	100		
41	116.2	69.6	104.4#
43	129.8	171.4	257.0#
56	71.3	42.0	63.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL037835.D
Acq: 12 Oct 2021 18:34

Tgt Ion:	114	Resp:	3806986
Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.4	29.2
88	17.9	14.4	21.6

