

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101821\
 Data File : VL037862.D
 Acq On : 18 Oct 2021 21:15
 Operator : SY/AP
 Sample : QC101221 CAN 10605
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC101221 CAN 10605

Quant Time: Oct 19 08:35:15 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	5.67	49	1203506	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3523190	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2859366	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2057637	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

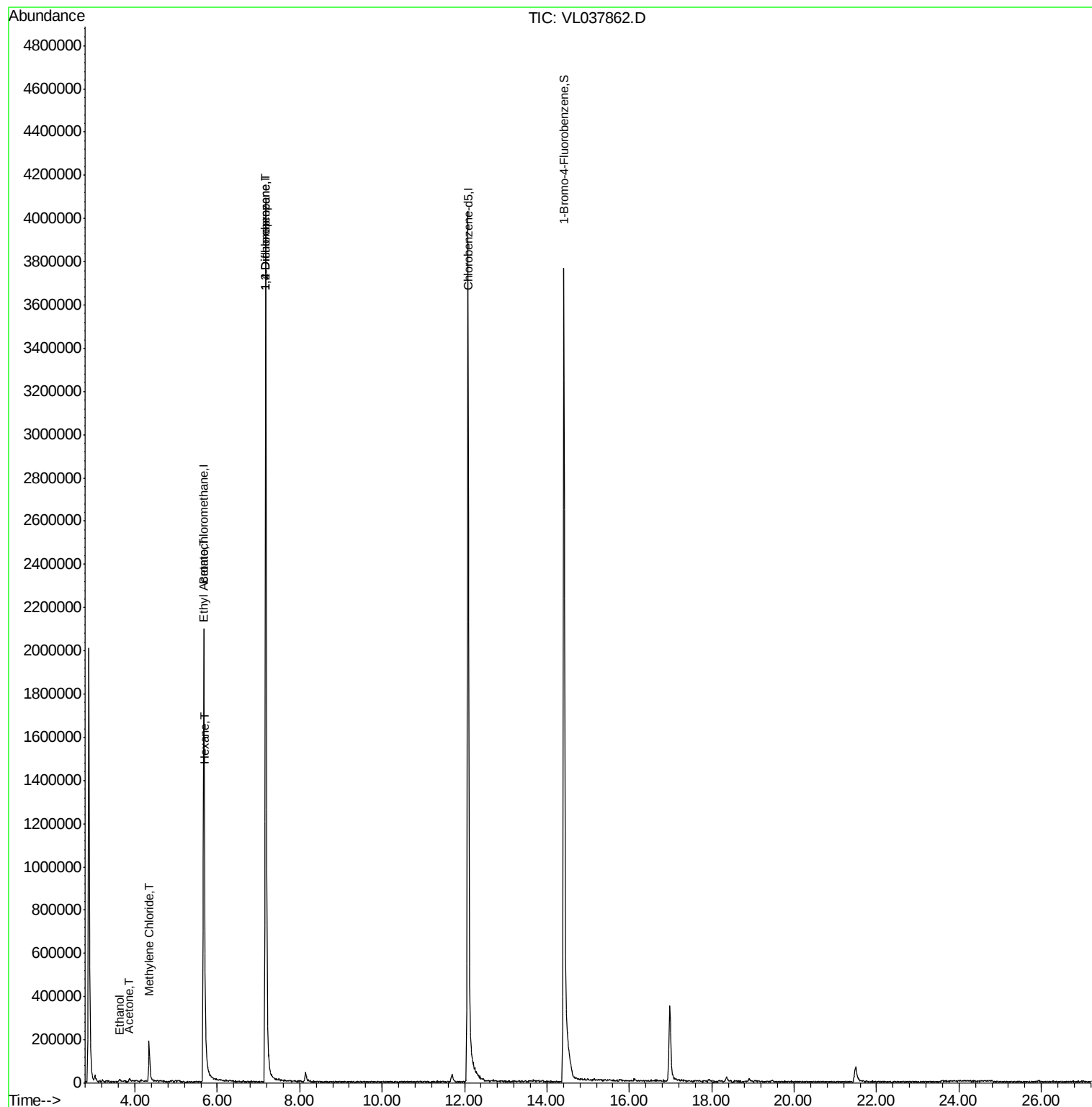
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.61	45	1801	0.259	ppbv #	27
15) Acetone	3.86	43	10761	0.100	ppbv #	54
20) Methylene Chloride	4.34	84	31095	0.570	ppbv	88
25) Ethyl Acetate	5.68	43	9910	0.033	ppbv #	79
26) Hexane	5.69	57	12644	0.085	ppbv #	27
39) 1,2-Dichloropropane	7.18	63	800206	7.069	ppbv #	27

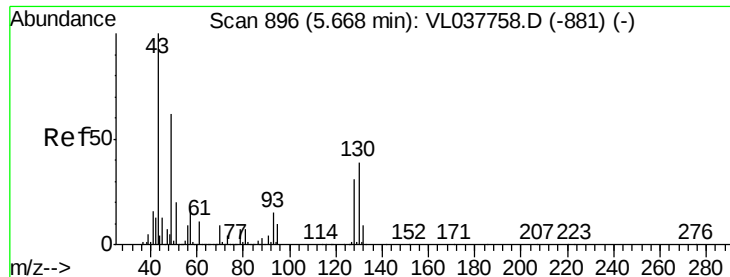
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 18 Oct 2021 21:15

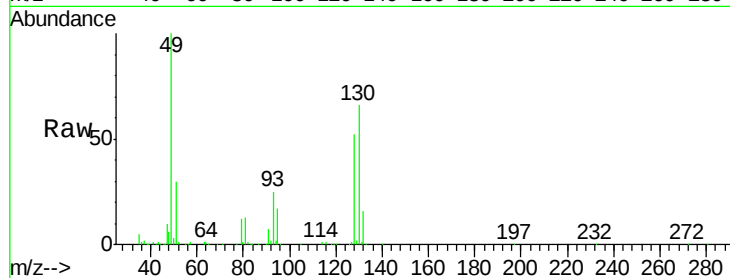
Tgt Ion: 49 Resp: 1203506

Ion Ratio Lower Upper

49 100

128 55.8 27.1 81.3

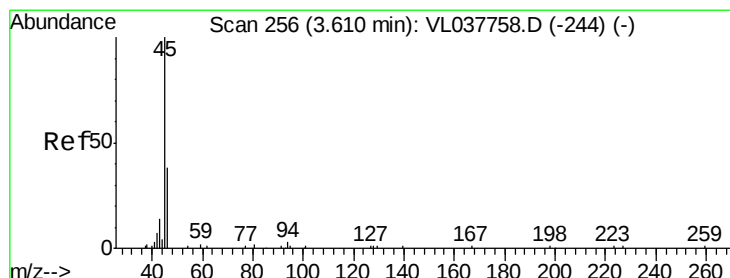
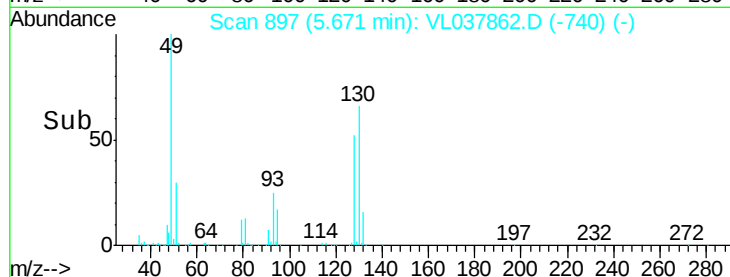
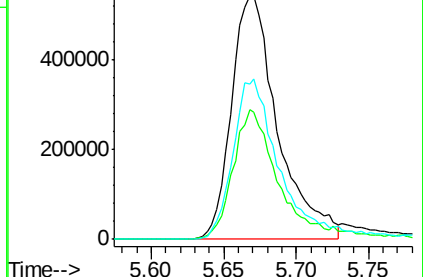
130 68.9 33.2 99.6



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



#13

Ethanol

Concen: 0.259 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.00 min

Lab File: VL037862.D

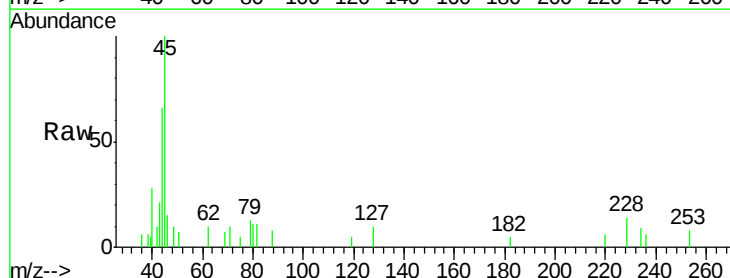
Acq: 18 Oct 2021 21:15

Tgt Ion: 45 Resp: 1801

Ion Ratio Lower Upper

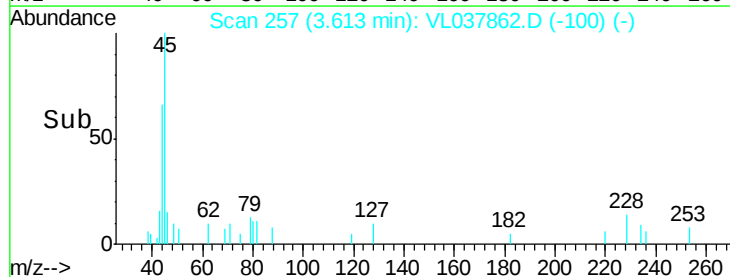
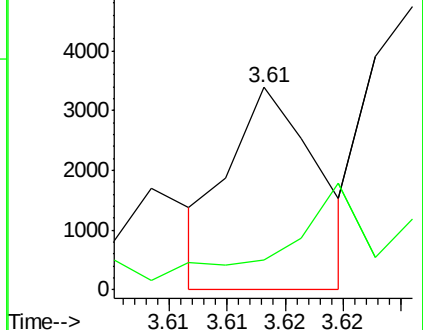
45 100

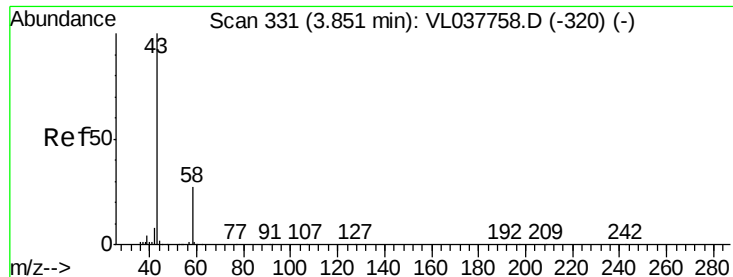
46 0.0 20.2 81.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.100 ppbv

RT: 3.86 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: QC101221 CAN 10605

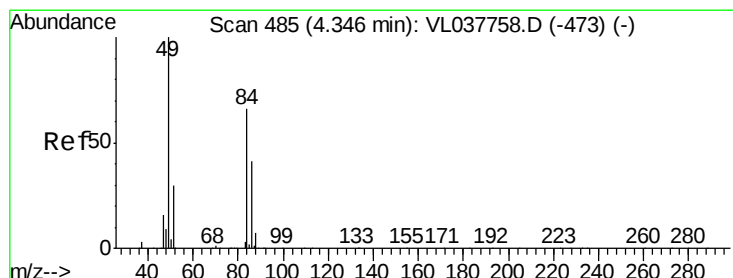
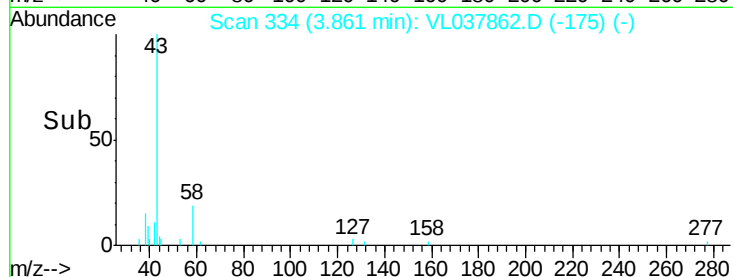
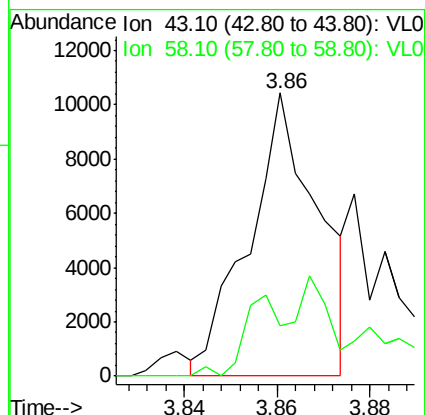
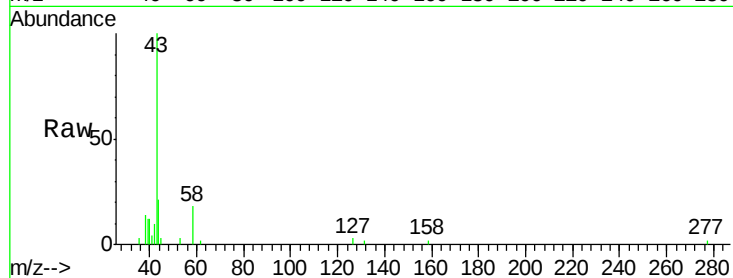
Acq: 18 Oct 2021 21:15

Tgt Ion: 43 Resp: 10761

Ion Ratio Lower Upper

43 100

58 53.0 23.0 34.6#



#20

Methylene Chloride

Concen: 0.570 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL037862.D

Acq: 18 Oct 2021 21:15

Tgt Ion: 84 Resp: 31095

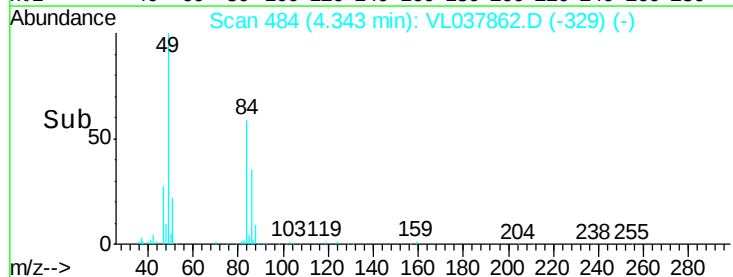
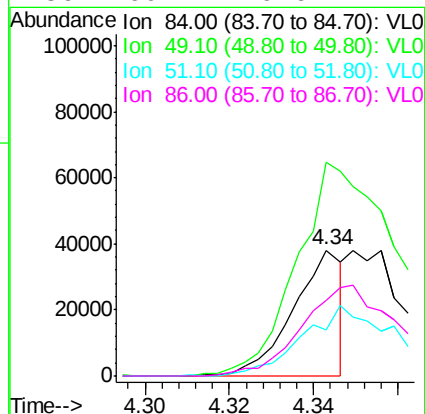
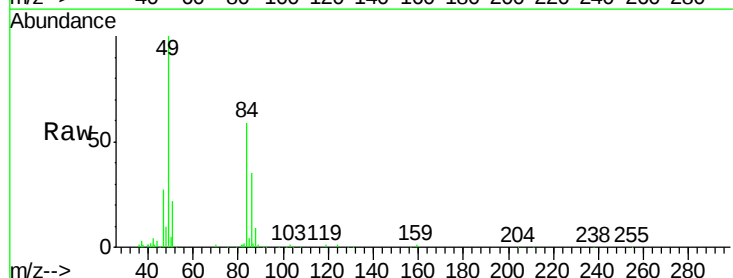
Ion Ratio Lower Upper

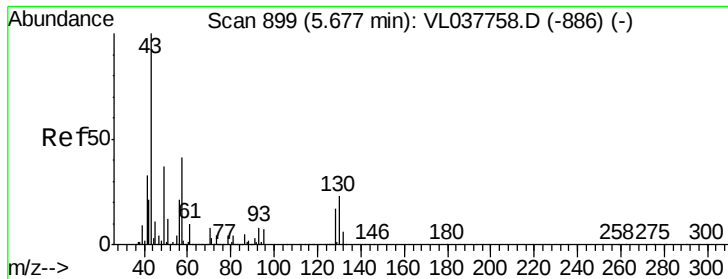
84 100

49 170.3 120.7 181.1

51 36.5 36.2 54.4

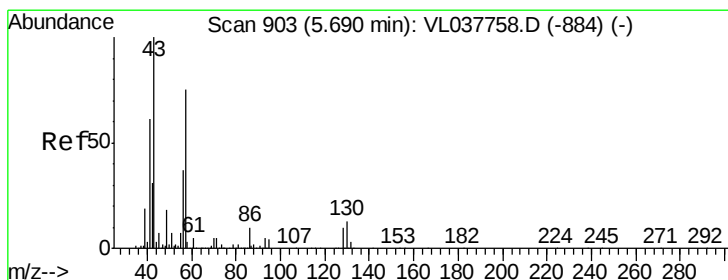
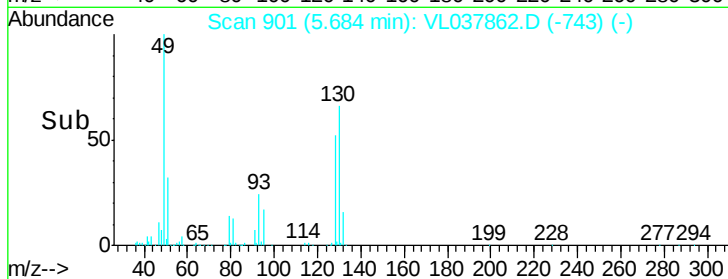
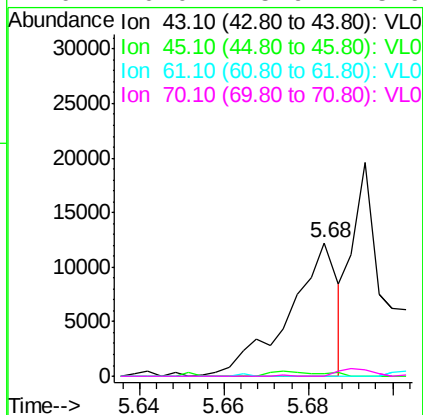
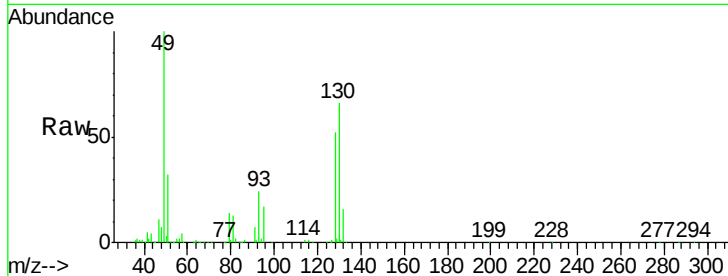
86 60.4 49.6 74.4





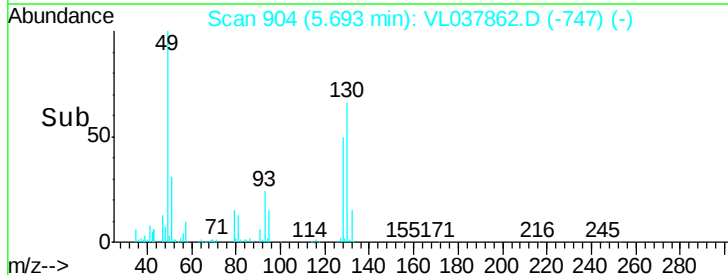
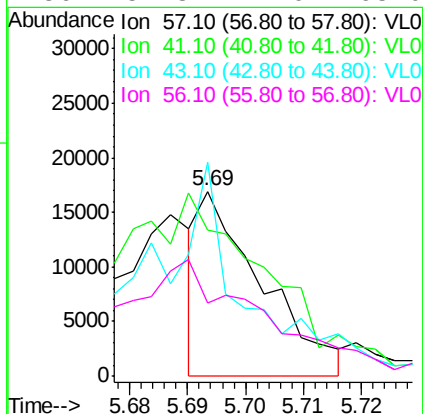
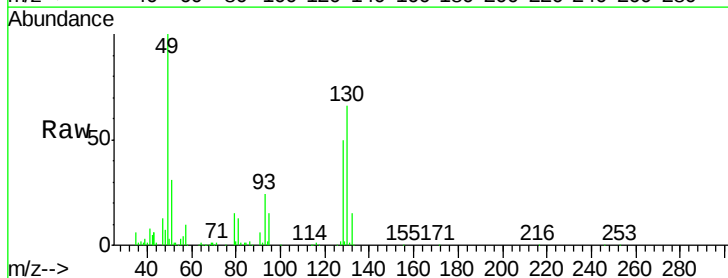
#25
Ethyl Acetate
Concen: 0.033 ppbv
RT: 5.68
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 18 Oct 2021 21:15

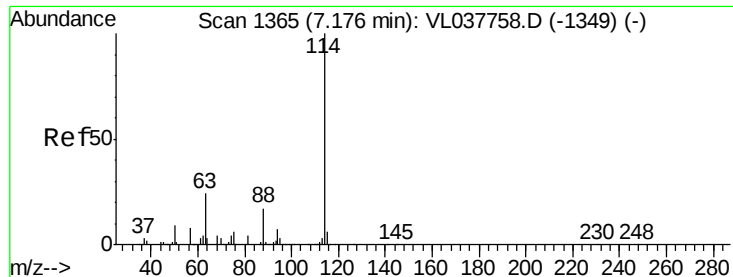
Tgt Ion:	43	Resp:	9910
Ion	Ratio	Lower	Upper
43	100		
45	4.1	8.1	12.1#
61	0.0	7.5	11.3#
70	0.0	5.9	8.9#



#26
Hexane
Concen: 0.085 ppbv
RT: 5.69 min Scan# 904
Delta R.T.: 0.00 min
Lab File: VL037862.D
Acq: 18 Oct 2021 21:15

Tgt Ion:	57	Resp:	12644
Ion	Ratio	Lower	Upper
57	100		
41	270.5	69.6	104.4#
43	208.9	171.4	257.0
56	157.8	42.0	63.0#

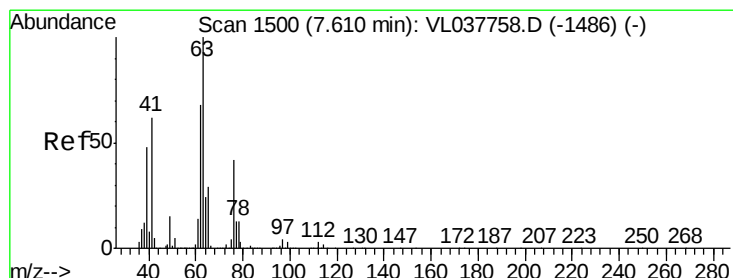
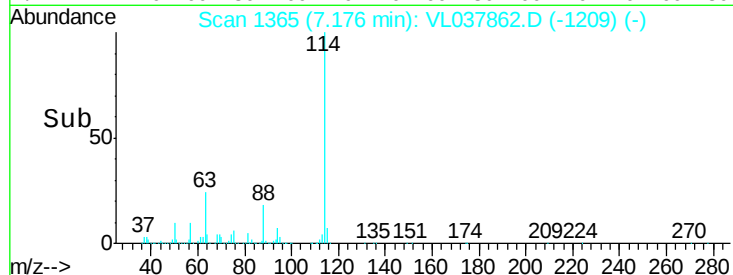
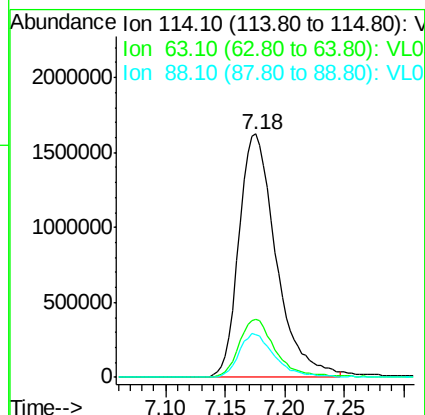
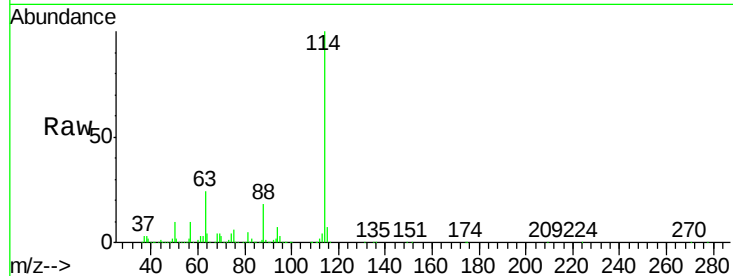




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Oct 2021 21:15

Tgt Ion: 114 Resp: 3523190

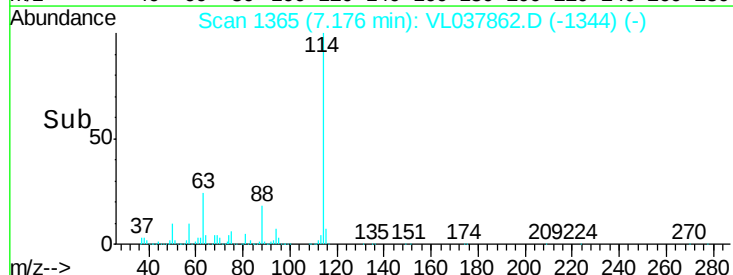
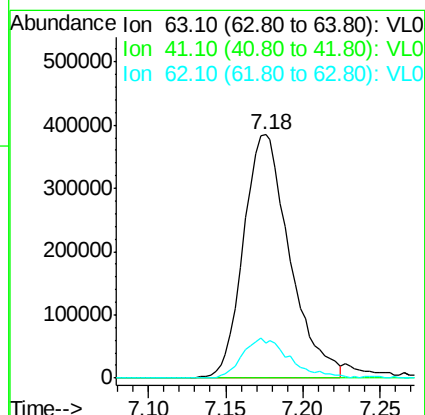
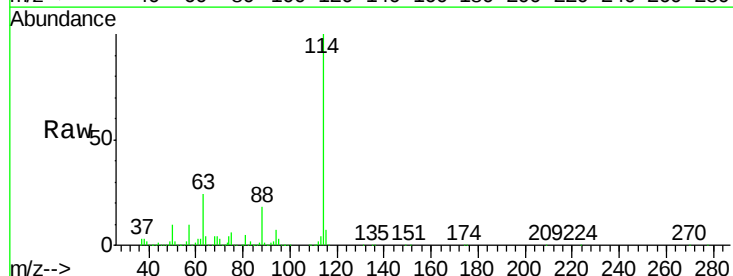
Ion	Ratio	Lower	Upper
114	100		
63	23.6	19.4	29.2
88	17.8	14.4	21.6

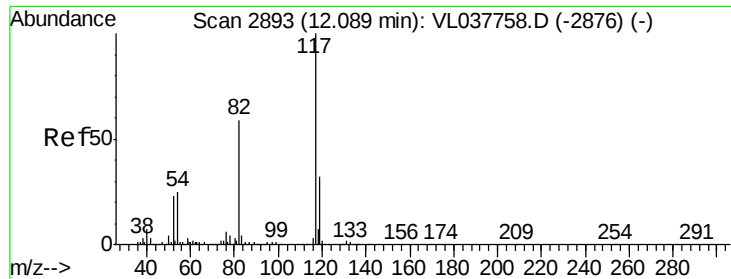


#39
 1,2-Dichloropropane
 Concen: 7.069 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.43 min
 Lab File: VL037862.D
 Acq: 18 Oct 2021 21:15

Tgt Ion: 63 Resp: 800206

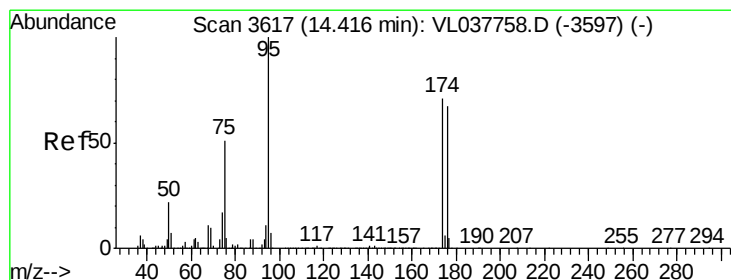
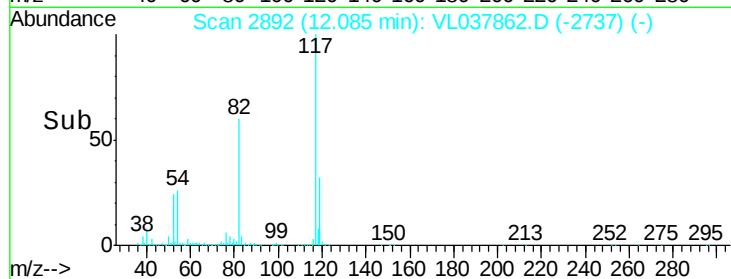
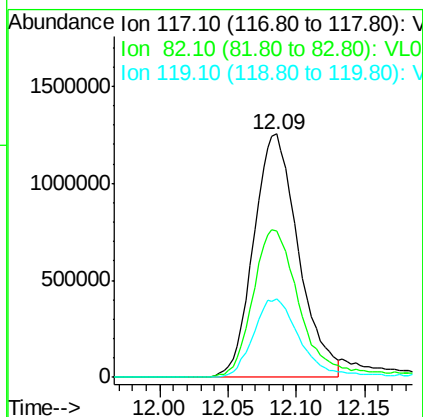
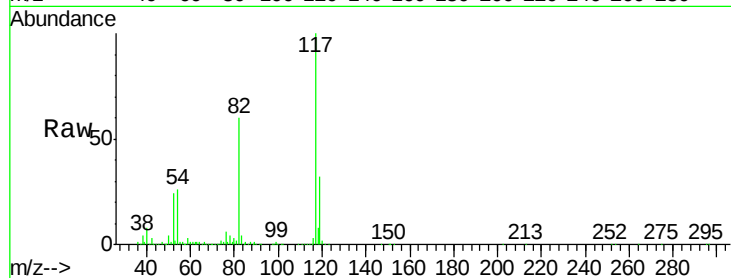
Ion	Ratio	Lower	Upper
63	100		
41	0.1	49.8	74.6#
62	14.5	54.6	82.0#





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 18 Oct 2021 21:15

Tgt Ion: 117 Resp: 2859366
 Ion Ratio Lower Upper
 117 100
 82 66.7 52.2 78.2
 119 36.2 26.0 39.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.290 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T.: -0.01 min
 Lab File: VL037862.D
 Acq: 18 Oct 2021 21:15

Tgt Ion: 95 Resp: 2057637
 Ion Ratio Lower Upper
 95 100
 174 75.6 57.8 86.6
 175 5.5 4.7 7.1

