

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102521\
 Data File : VL037890.D
 Acq On : 25 Oct 2021 12:14
 Operator : SY/AP
 Sample : VL1025ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1025ABL01

Quant Time: Oct 25 23:49:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1513071	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4323994	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3669934	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2516422	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

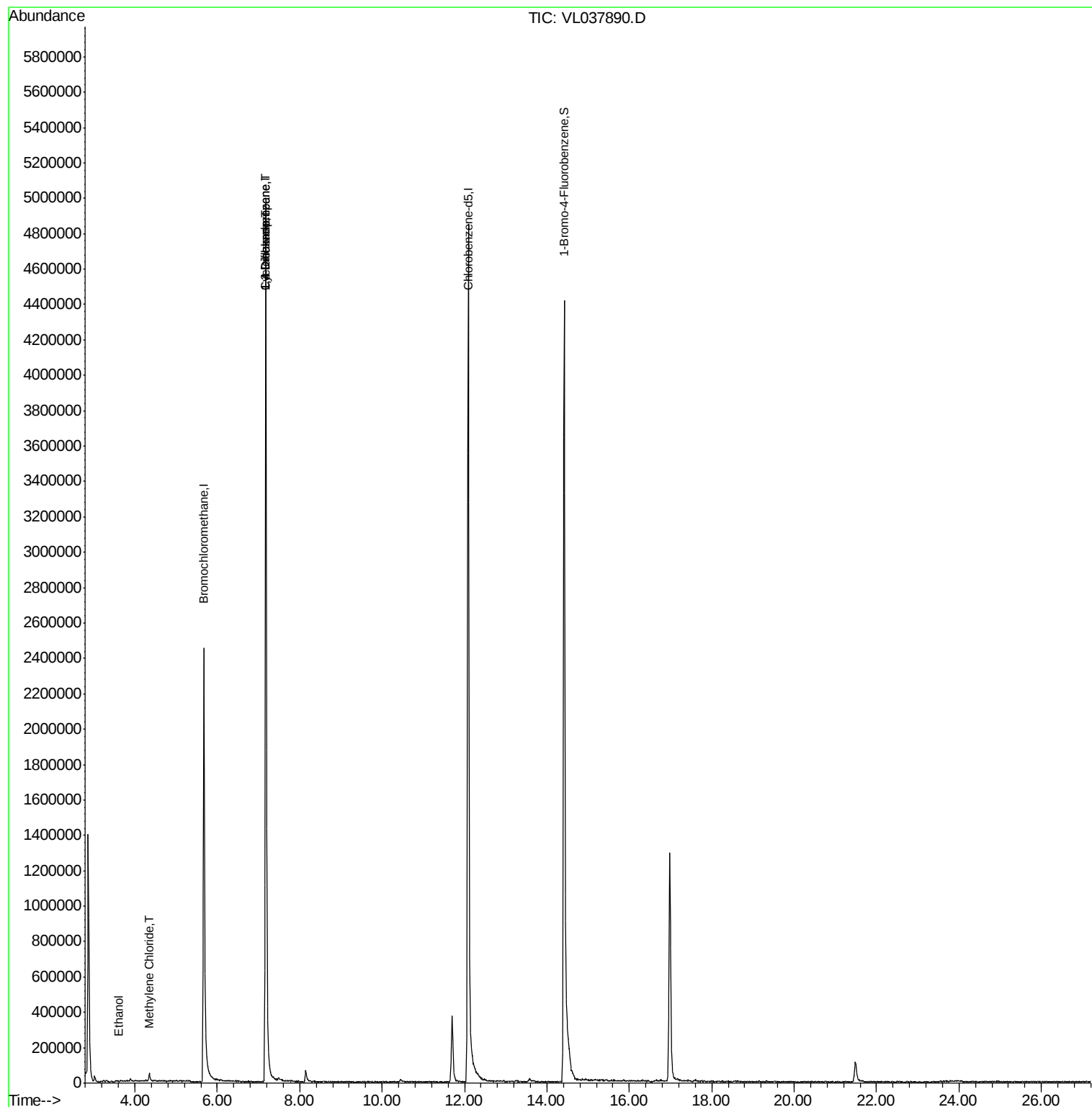
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.62	45	571	0.065	ppbv #	27
20) Methylene Chloride	4.35	84	11379	0.166	ppbv #	86
30) Cyclohexane	7.16	84	7565	0.048	ppbv #	5
39) 1,2-Dichloropropane	7.18	63	1033796	7.442	ppbv #	27

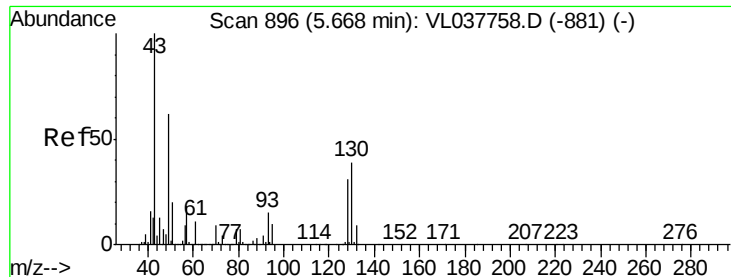
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Oct 2021 12:14

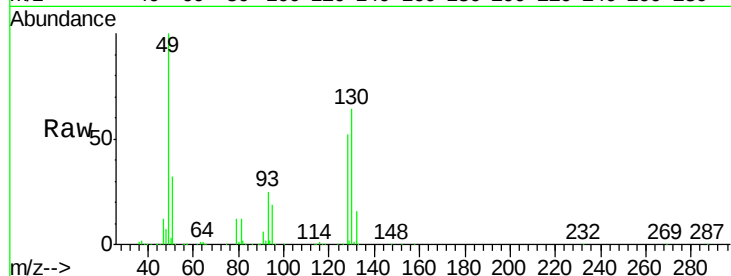
Tgt Ion: 49 Resp: 1513071

Ion Ratio Lower Upper

49 100

128 54.0 27.1 81.3

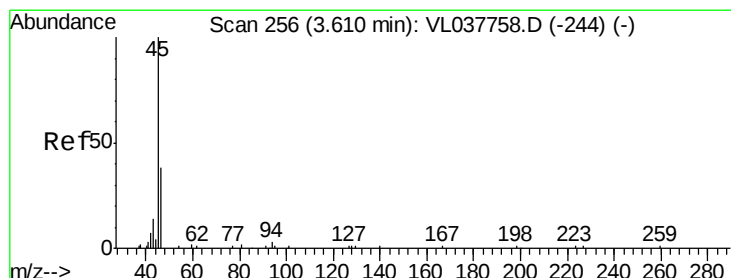
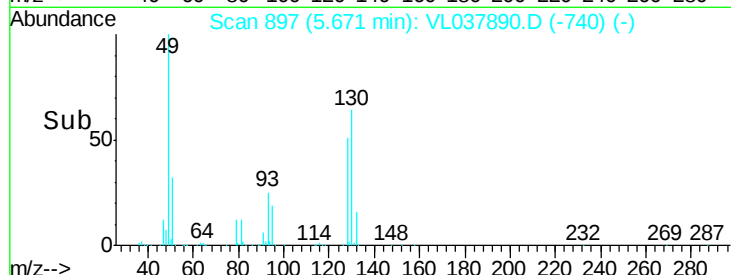
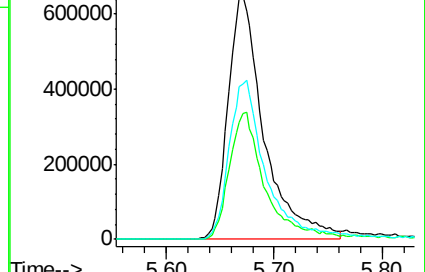
130 68.9 33.2 99.6



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: 0.065 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL037890.D

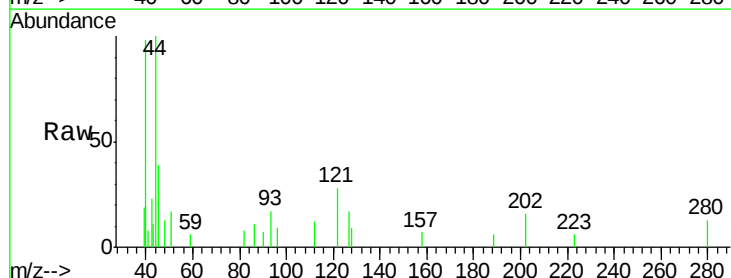
Acq: 25 Oct 2021 12:14

Tgt Ion: 45 Resp: 571

Ion Ratio Lower Upper

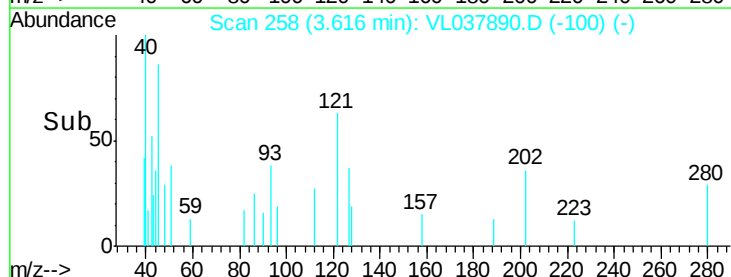
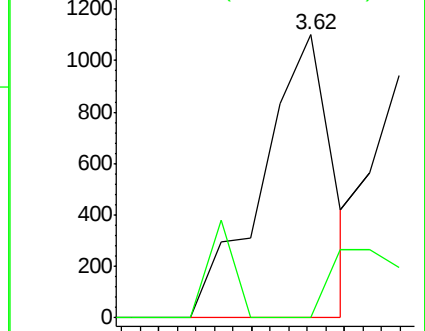
45 100

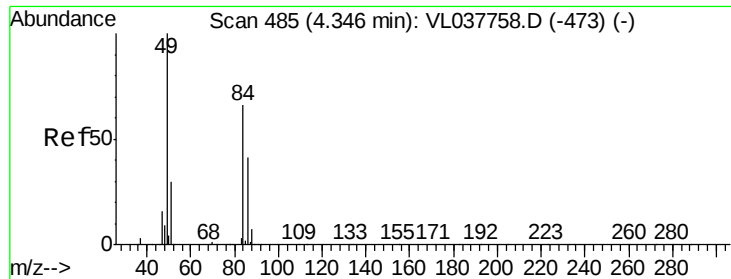
46 0.0 20.2 81.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

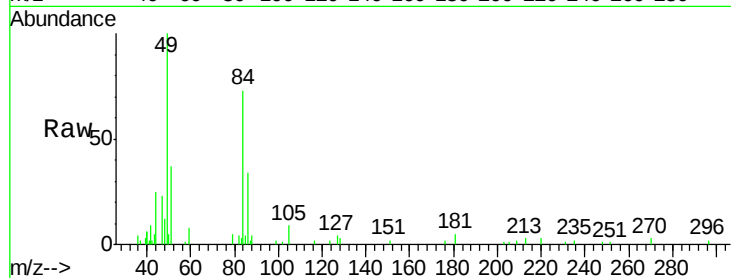
Ion 46.10 (45.80 to 46.80): VL0





#20
Methylene Chloride
Concen: 0.166 ppbv
RT: 4.35
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL1025ABL01
Acq: 25 Oct 2021 12:14

Tgt Ion:	84	Resp:	11379
Ion	Ratio	Lower	Upper
84	100		
49	133.8	120.7	181.1
51	49.8	36.2	54.4
86	45.9	49.6	74.4#

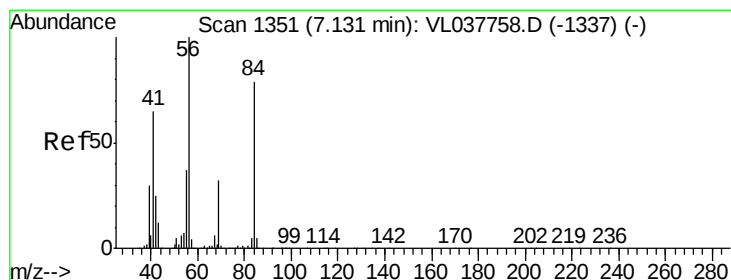
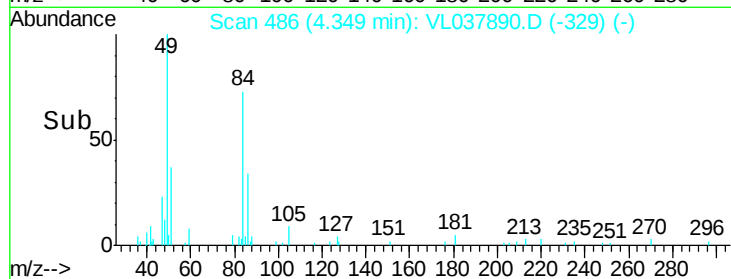
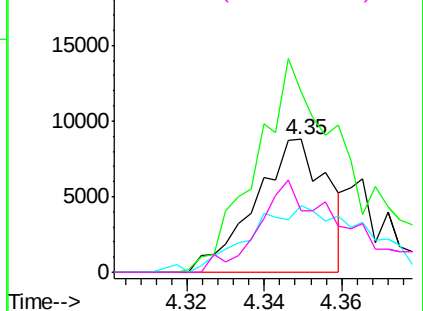


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

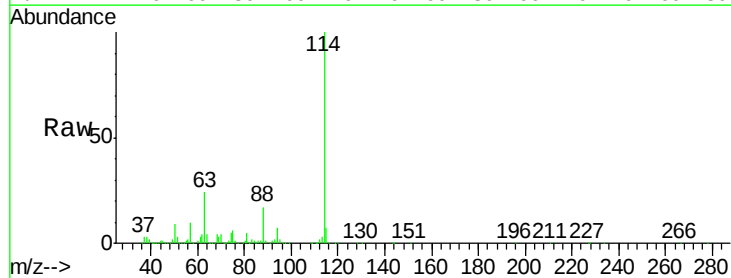
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#30
Cyclohexane
Concen: 0.048 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.03 min
Lab File: VL037890.D
Acq: 25 Oct 2021 12:14

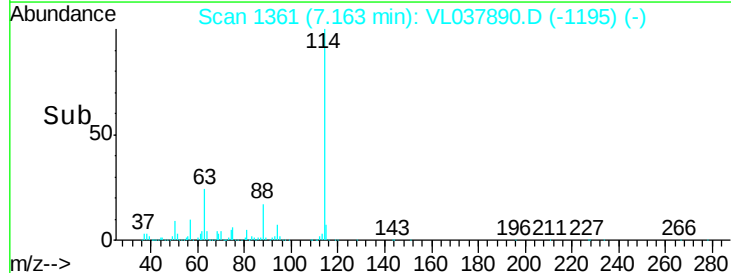
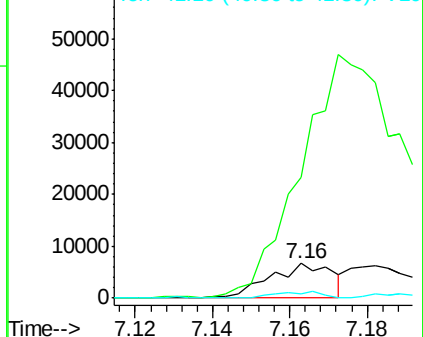
Tgt Ion:	84	Resp:	7565
Ion	Ratio	Lower	Upper
84	100		
56	0.0	113.0	169.4#
41	28.7	69.1	103.7#

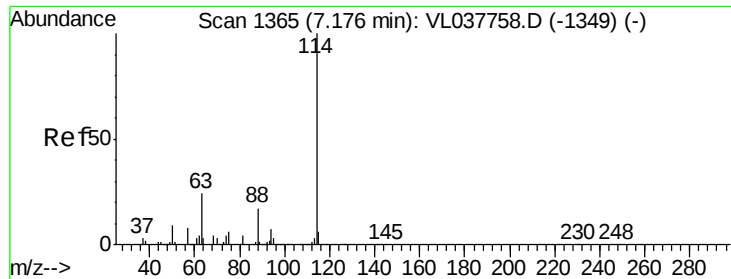


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

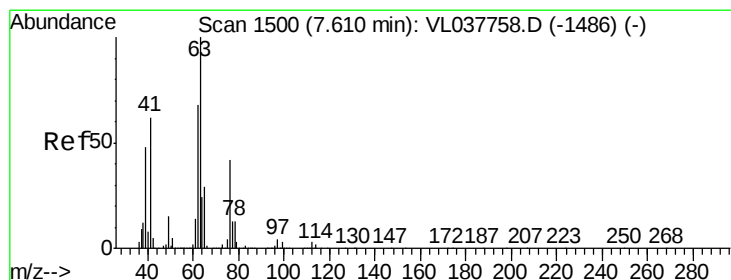
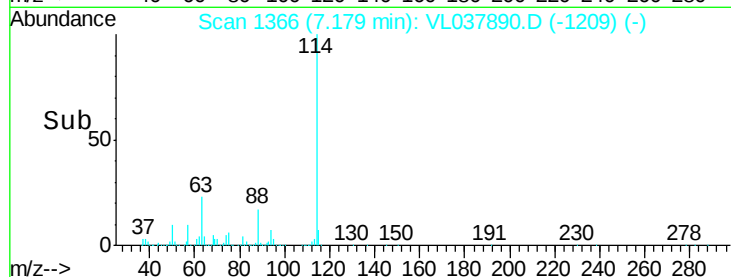
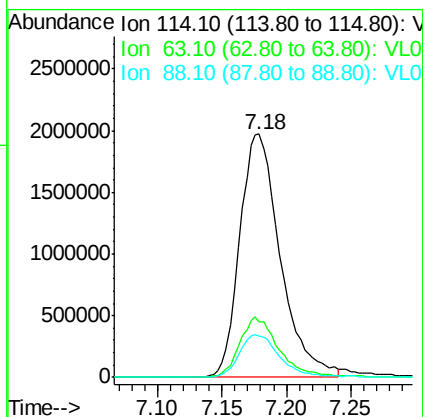
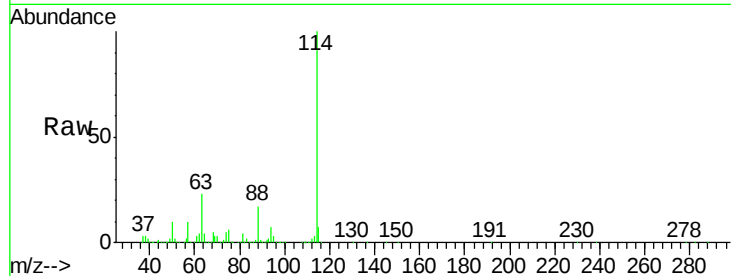




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId : VL1025ABL01
 Acq: 25 Oct 2021 12:14

Tgt Ion: 114 Resp: 4323994

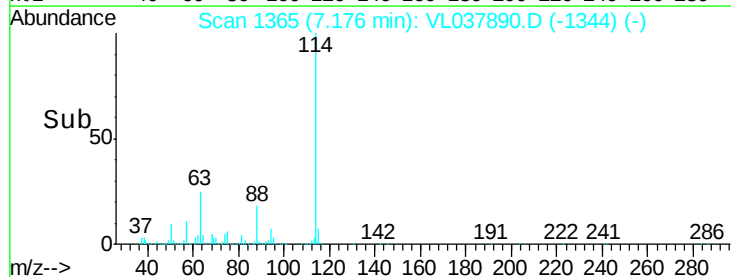
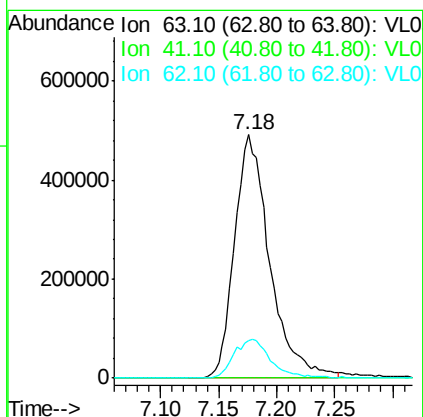
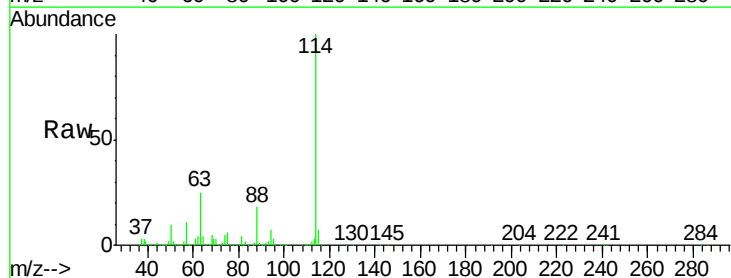
Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.4	29.2
88	18.0	14.4	21.6

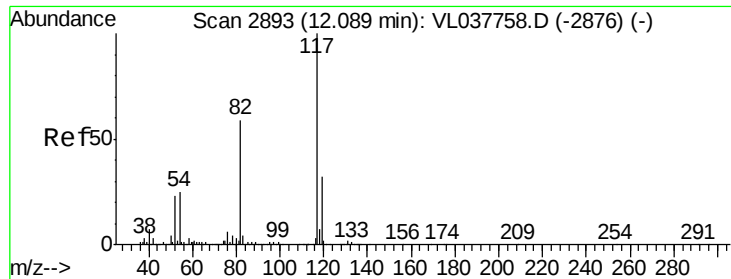


#39
 1,2-Dichloropropane
 Concen: 7.442 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T.: -0.43 min
 Lab File: VL037890.D
 Acq: 25 Oct 2021 12:14

Tgt Ion: 63 Resp: 1033796

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	15.5	54.6	82.0#

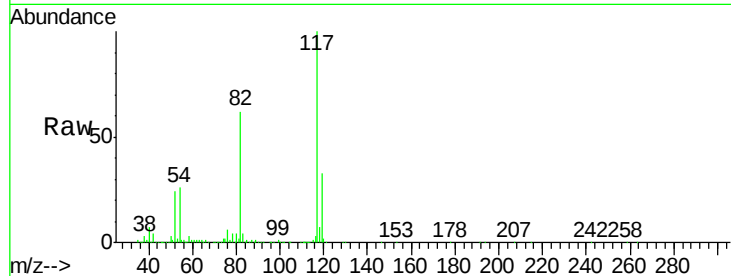




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL1025ABL01
 Acq: 25 Oct 2021 12:14

Tgt Ion: 117 Resp: 3669934

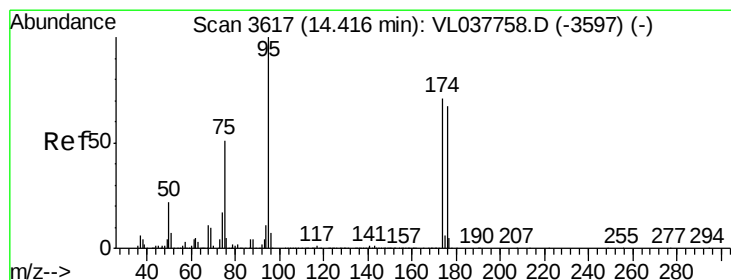
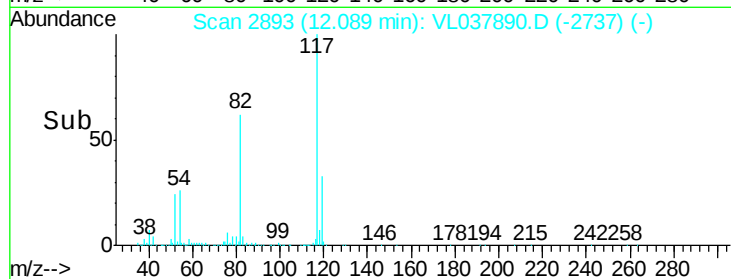
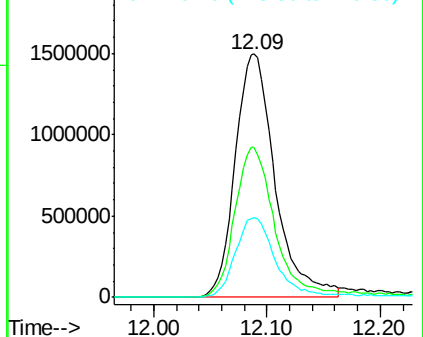
Ion	Ratio	Lower	Upper
117	100		
82	66.0	52.2	78.2
119	34.1	26.0	39.0



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

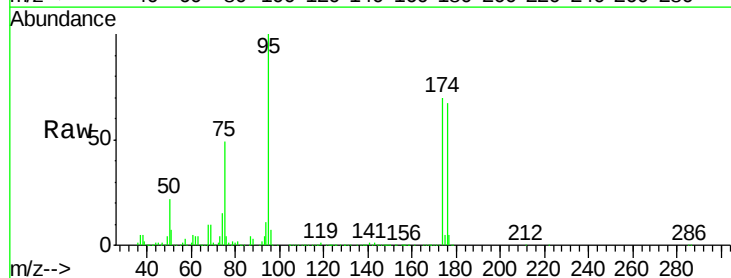
Ion 119.10 (118.80 to 119.80): V



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.805 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T.: 0.00 min
 Lab File: VL037890.D
 Acq: 25 Oct 2021 12:14

Tgt Ion: 95 Resp: 2516422

Ion	Ratio	Lower	Upper
95	100		
174	76.0	57.8	86.6
175	5.2	4.7	7.1



Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

