

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037910.D
 Acq On : 27 Oct 2021 10:36
 Operator : SY/AP
 Sample : VL1027ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1027ABL01

Quant Time: Oct 28 05:17:21 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	5.69	49	1410287	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.20	114	4202719	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	3531021	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2444550	9.90	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

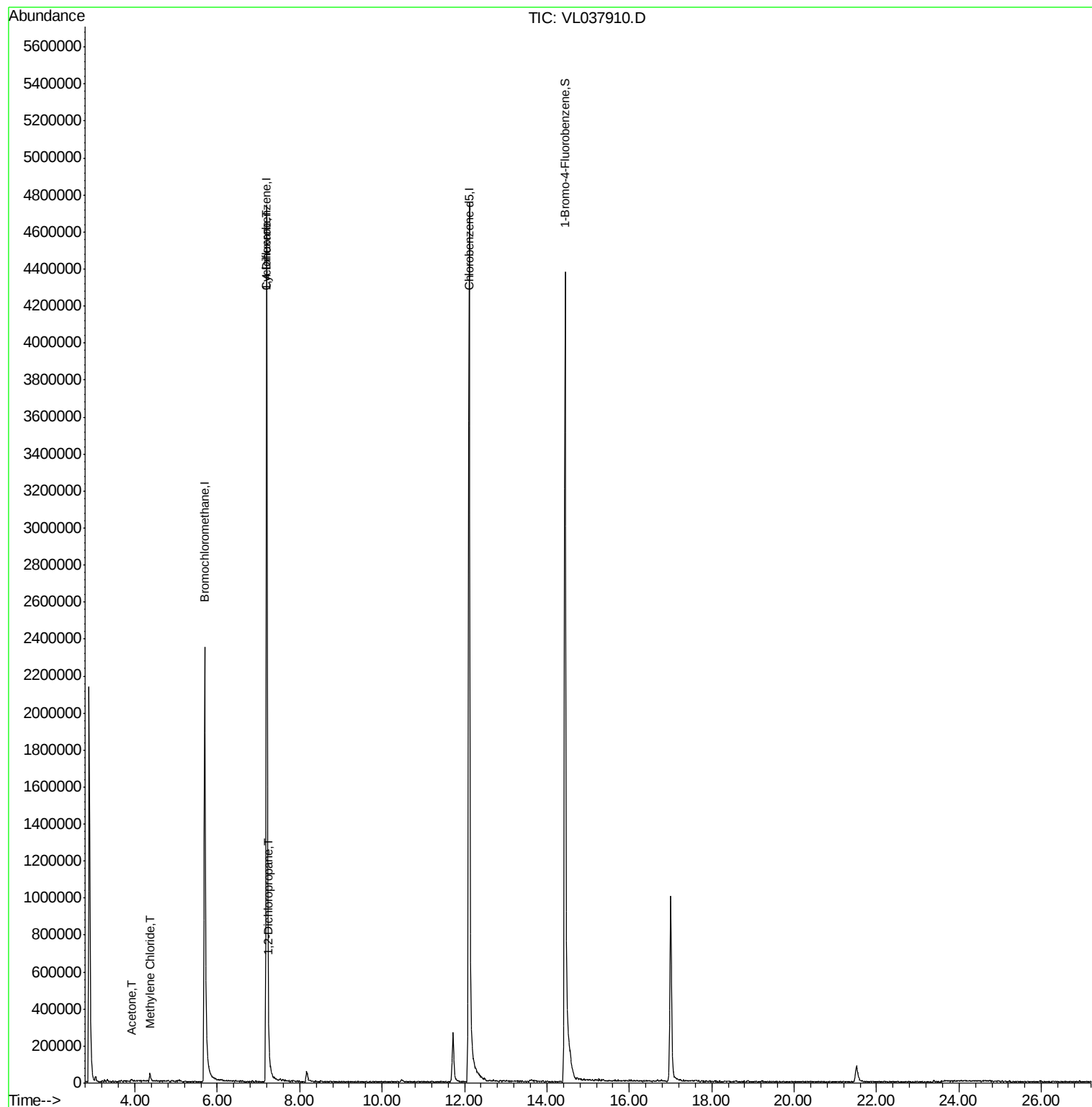
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.91	43	9139	0.072	ppbv #	25
20) Methylene Chloride	4.37	84	13216	0.207	ppbv #	82
30) Cyclohexane	7.19	84	11578	0.078	ppbv #	1
39) 1,2-Dichloropropane	7.25	63	11548	0.086	ppbv #	24

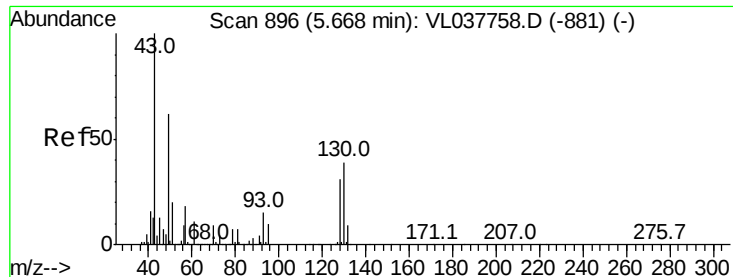
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 Instrument: MSVOA_1

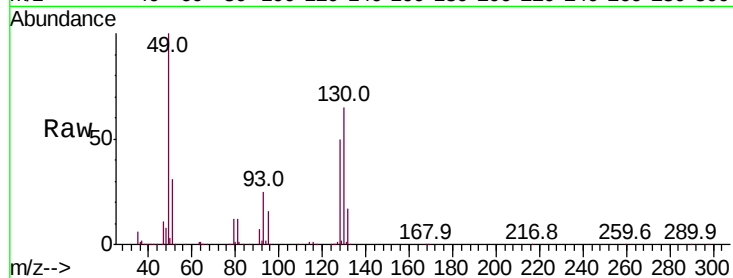
Delta R.T. ClientSampleId:

Lab File: VL1027ABL01

Acq: 27 Oct 2021 10:30

Tot Ion: 49 Resp: 1410287

Ion	Ratio	Lower	Upper
49	100		
128	55.3	27.1	81.3
130	70.3	33.2	99.6



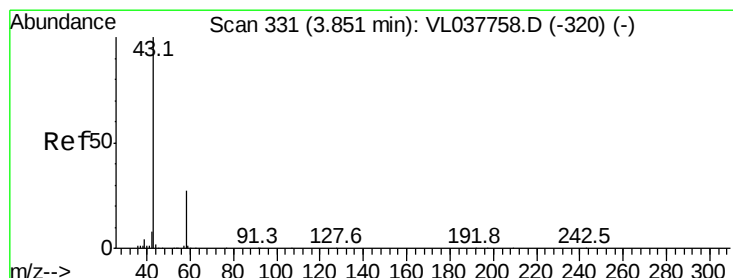
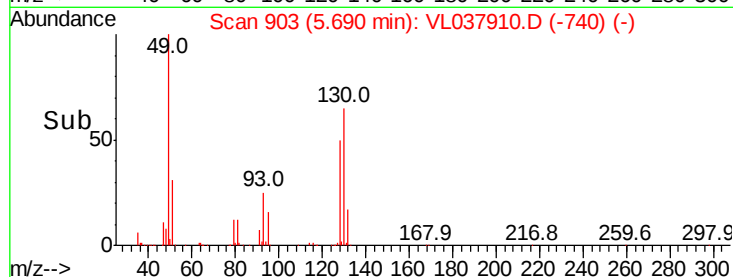
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.69

Time-->



#15

Acetone

Concen: 0.072 ppbv

RT: 3.91 min Scan# 348

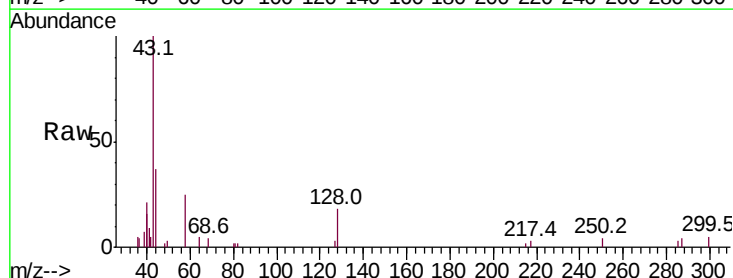
Delta R.T. 0.05 min

Lab File: VL037910.D

Acq: 27 Oct 2021 10:36

Tgt Ion: 43 Resp: 9139

Ion	Ratio	Lower	Upper
43	100		
58	68.7	23.0	34.6#

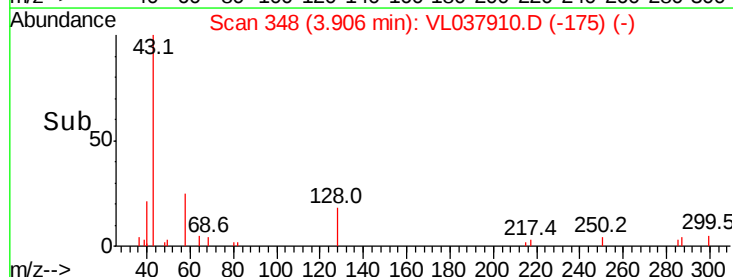


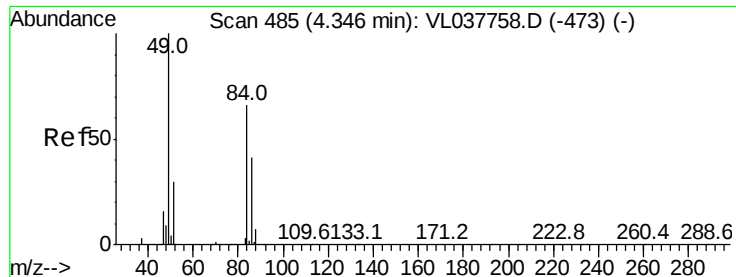
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.91

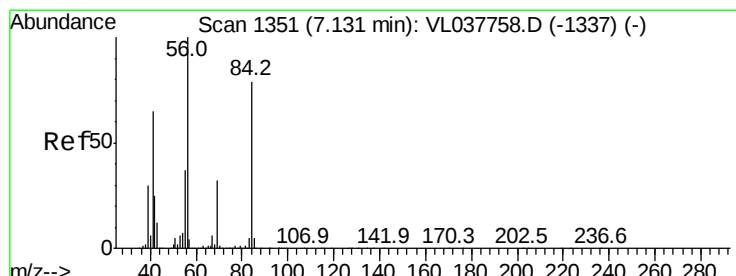
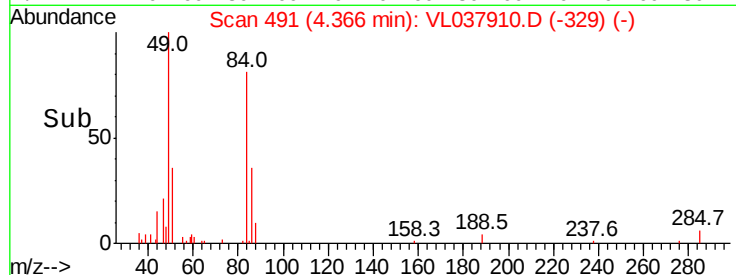
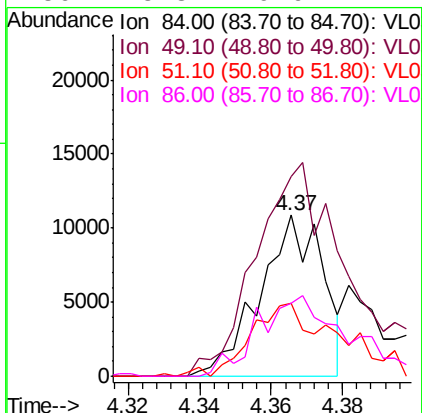
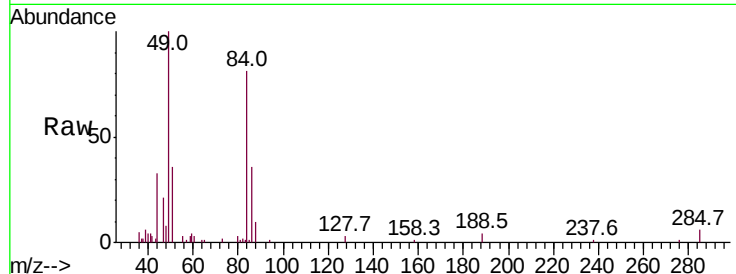
Time-->





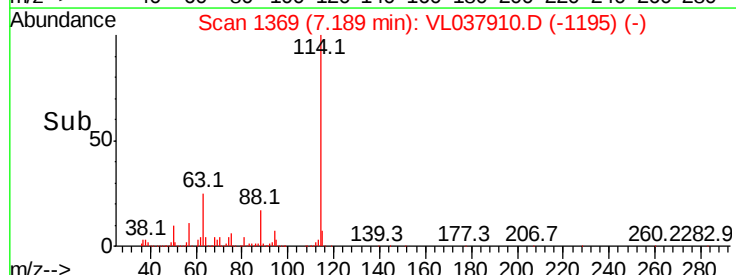
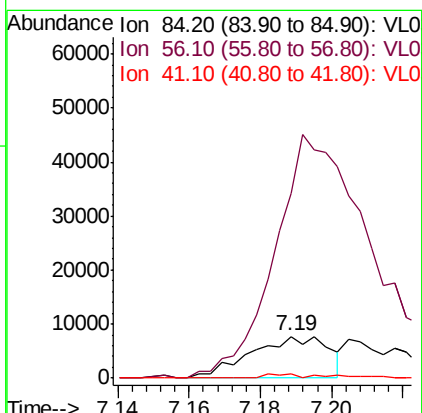
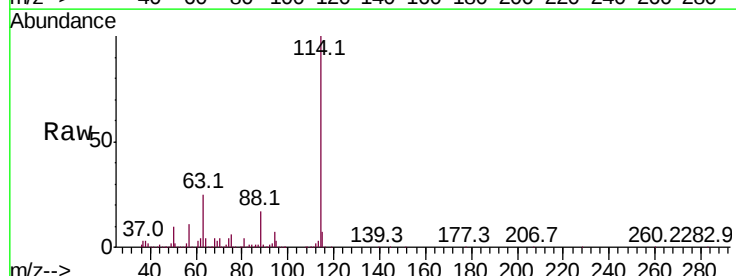
#20
Methylene Chloride
Concen: 0.207 ppbv
RT: 4.37
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
VL1027ABL01
Acq: 27 Oct 2021 10:30

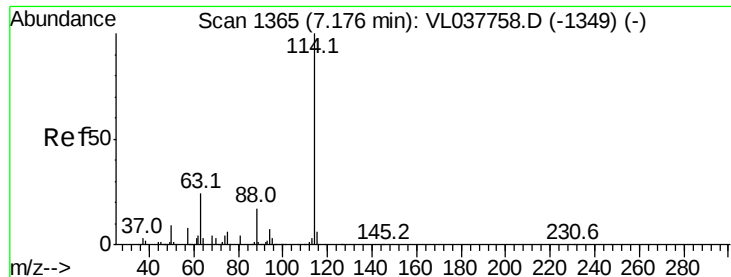
Tot Ion: 84 Resp: 13216
Ion Ratio Lower Upper
84 100
49 124.2 120.7 181.1
51 42.5 36.2 54.4
86 45.3 49.6 74.4#



#30
Cyclohexane
Concen: 0.078 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.06 min
Lab File: VL037910.D
Acq: 27 Oct 2021 10:36

Tgt Ion: 84 Resp: 11578
Ion Ratio Lower Upper
84 100
56 827.4 113.0 169.4#
41 7.5 69.1 103.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 Instrument: MSVOA_1

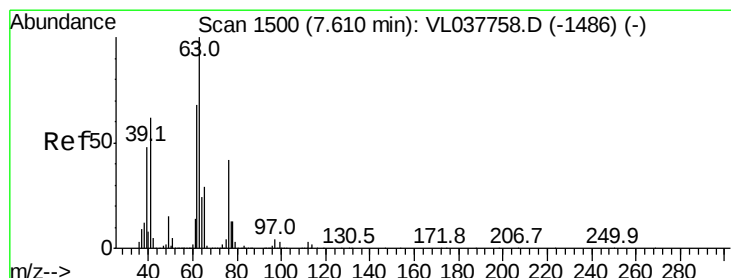
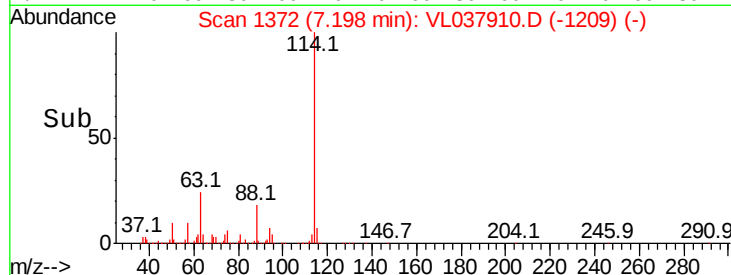
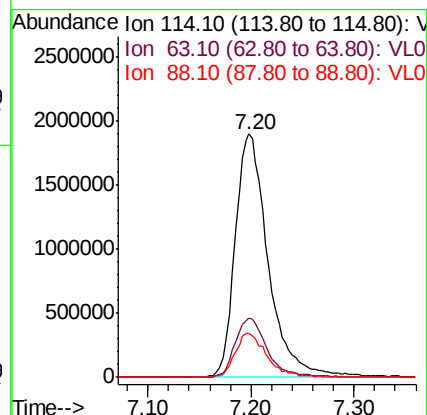
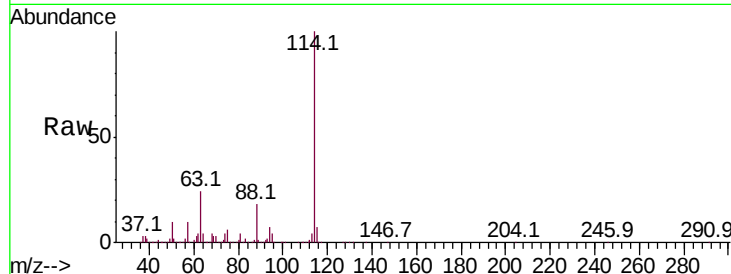
Delta R.T. ClientSampleId:

Lab File: VL1027ABL01

Acq: 27 Oct 2021 10:30

Tot Ion: 114 Resp: 4202719

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.4	29.2
88	18.0	14.4	21.6



#39

1,2-Dichloropropane

Concen: 0.086 ppbv

RT: 7.25 min Scan# 1388

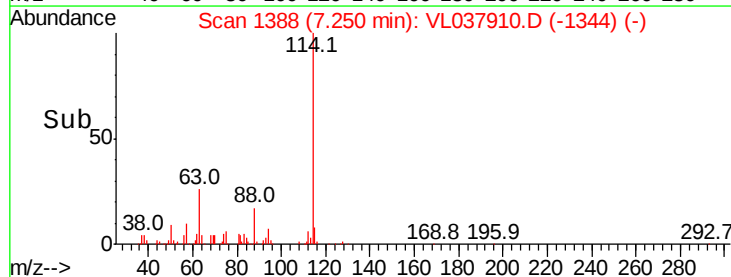
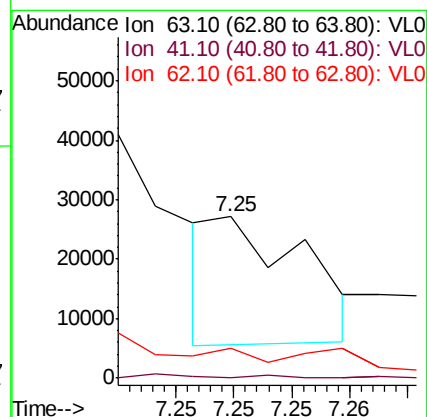
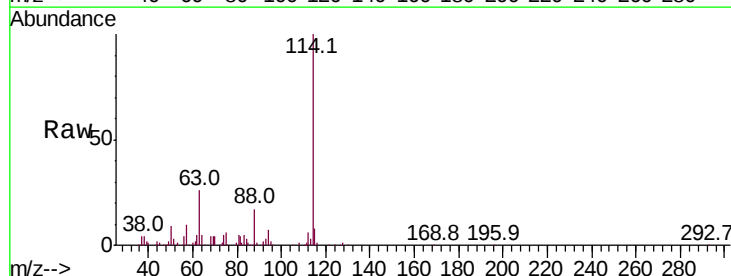
Delta R.T. -0.36 min

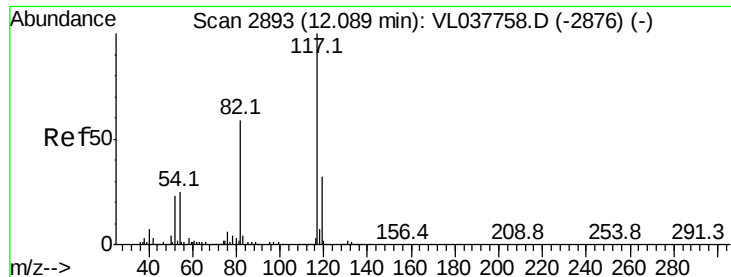
Lab File: VL037910.D

Acq: 27 Oct 2021 10:36

Tgt Ion: 63 Resp: 11548

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	9.8	54.6	82.0#

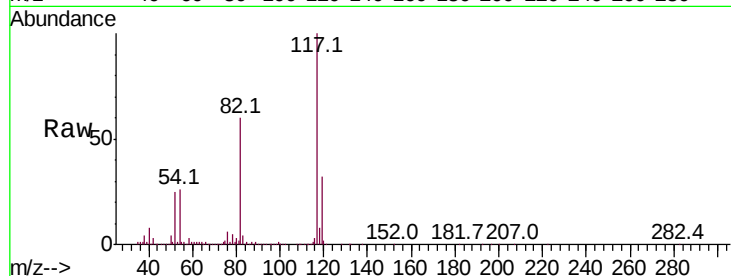




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1027ABL01
Acq: 27 Oct 2021 10:36

Tot Ion: 117 Resp: 3531021

Ion	Ratio	Lower	Upper
117	100		
82	65.3	52.2	78.2
119	34.5	26.0	39.0

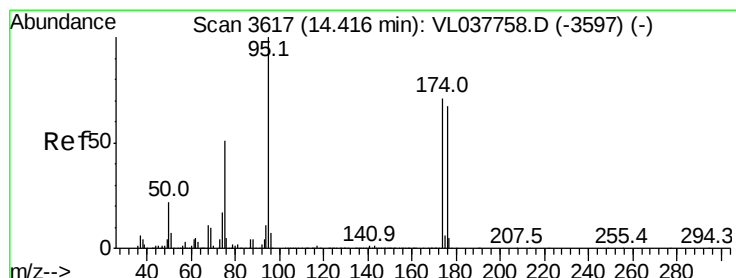
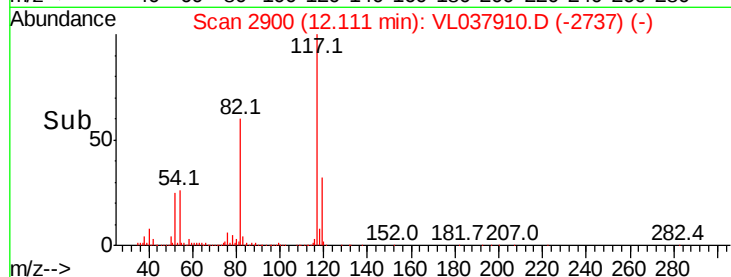
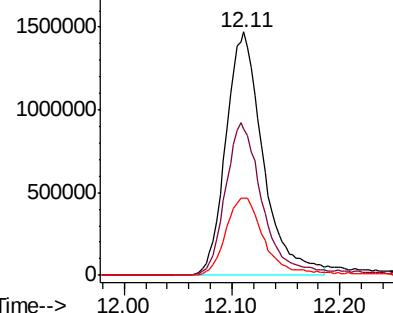


Abundance Ion 117.10 (116.80 to 117.80): V

2000000

Ion 82.10 (81.80 to 82.80): VL0

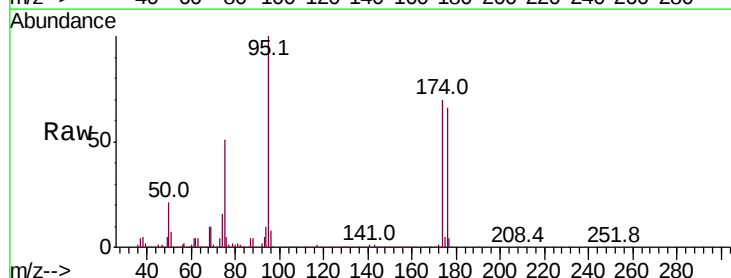
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.900 ppbv
RT: 14.44 min Scan# 3624
Delta R.T.: 0.02 min
Lab File: VL037910.D
Acq: 27 Oct 2021 10:36

Tgt Ion: 95 Resp: 2444550

Ion	Ratio	Lower	Upper
95	100		
174	74.0	57.8	86.6
175	4.9	4.7	7.1



Abundance Ion 95.10 (94.80 to 95.80): VL0

1200000

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

