

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037922.D
 Acq On : 27 Oct 2021 19:01
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Oct 28 05:19:00 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	5.68	49	1226034	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3740266	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3120483	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2163184	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

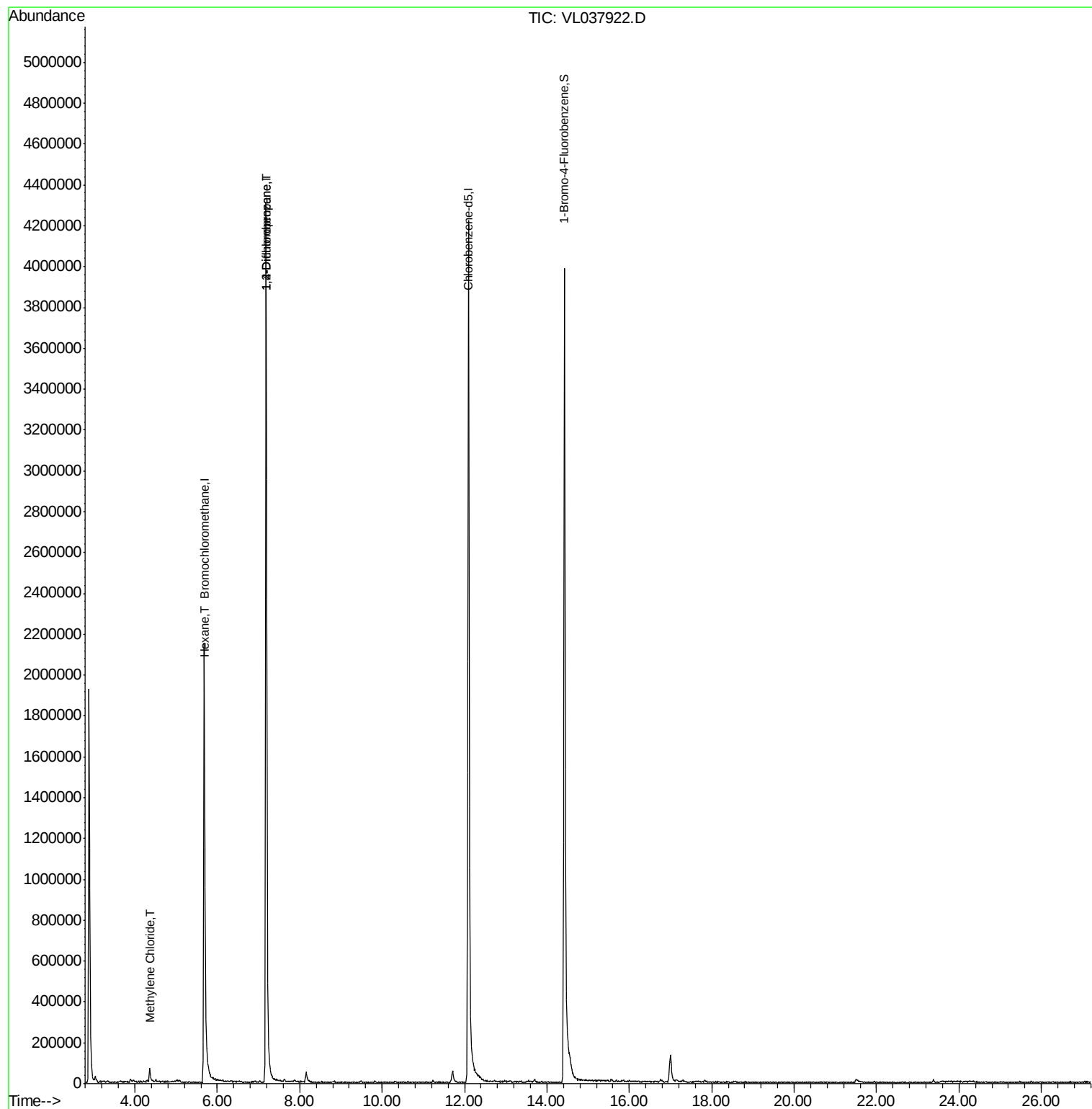
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.36	84	23286	0.419	ppbv #	72
26) Hexane	5.70	57	4604	0.030	ppbv #	15
39) 1,2-Dichloropropane	7.19	63	868724	7.229	ppbv #	28

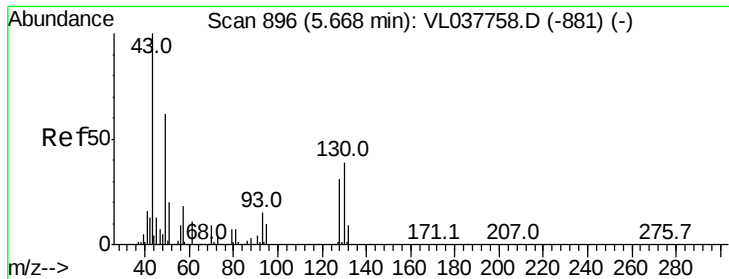
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 27 Oct 2021 19:01

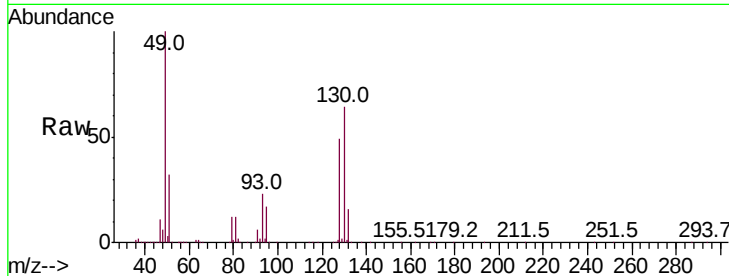
Tot Ion: 49 Resp: 1226034

Ion Ratio Lower Upper

49 100

128 56.1 27.1 81.3

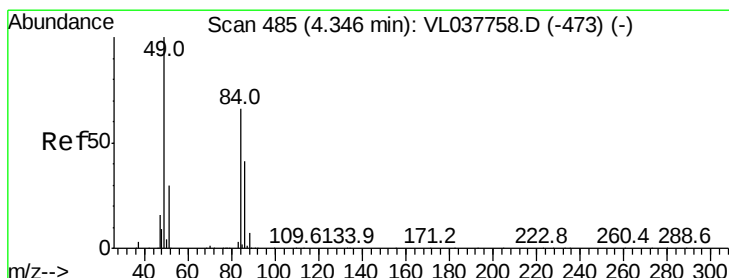
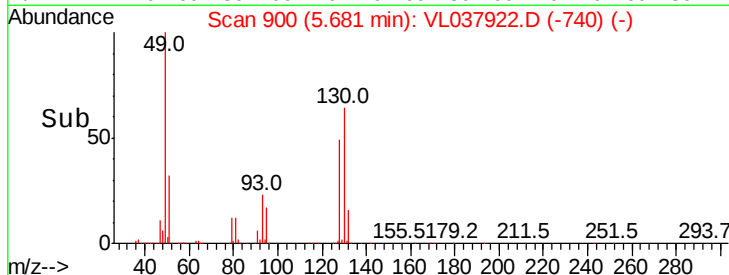
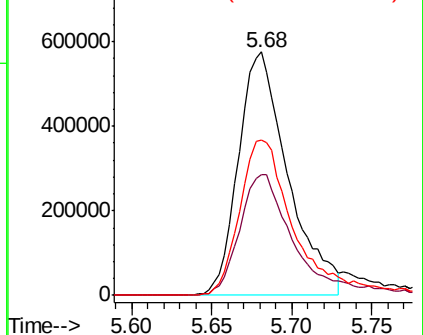
130 73.7 33.2 99.6



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



#20

Methylene Chloride

Concen: 0.419 ppbv

RT: 4.36 min Scan# 490

Delta R.T. 0.02 min

Lab File: VL037922.D

Acq: 27 Oct 2021 19:01

Tgt Ion: 84 Resp: 23286

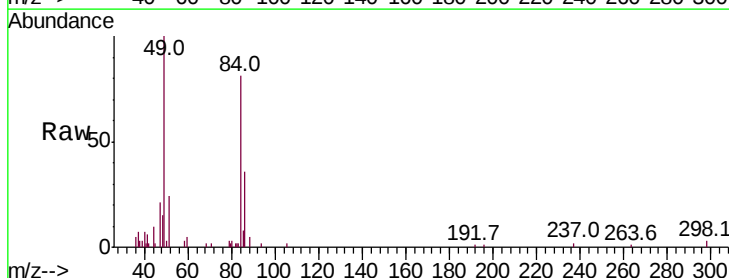
Ion Ratio Lower Upper

84 100

49 120.7 120.7 181.1#

51 26.8 36.2 54.4#

86 31.6 49.6 74.4#

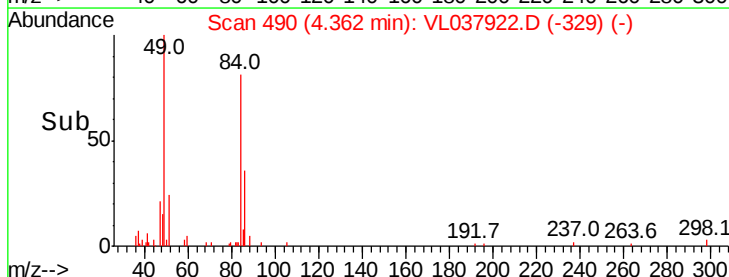
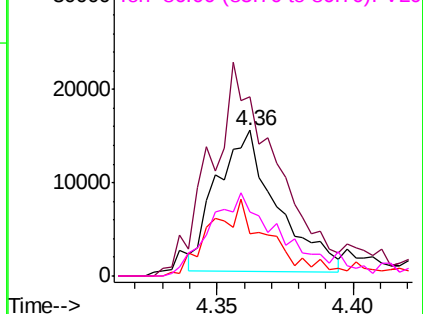


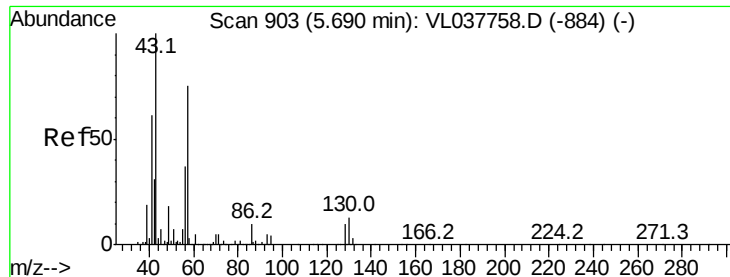
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

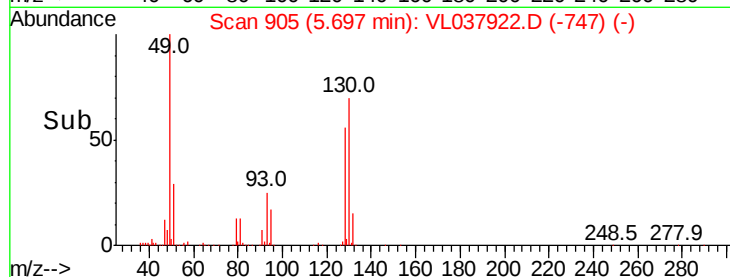
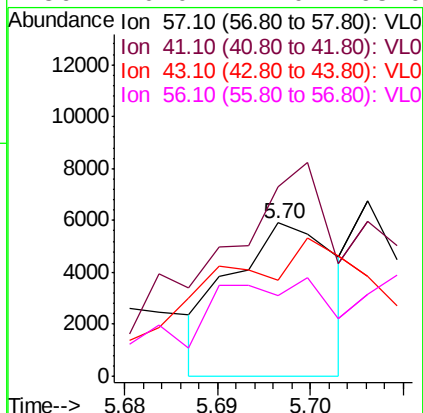
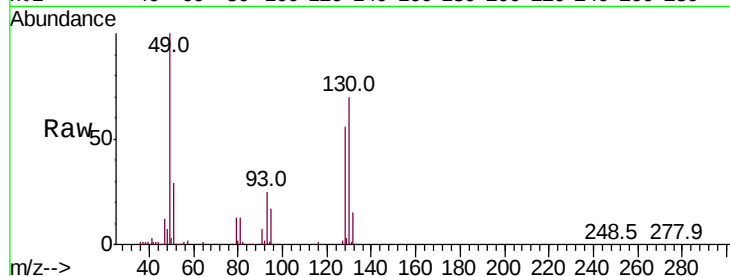
Ion 86.00 (85.70 to 86.70): VL0





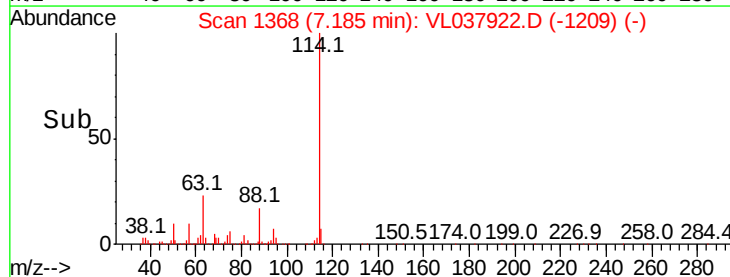
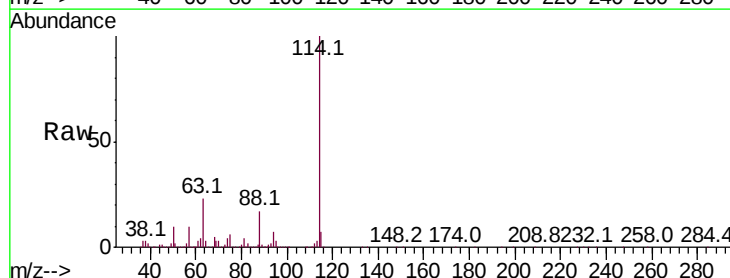
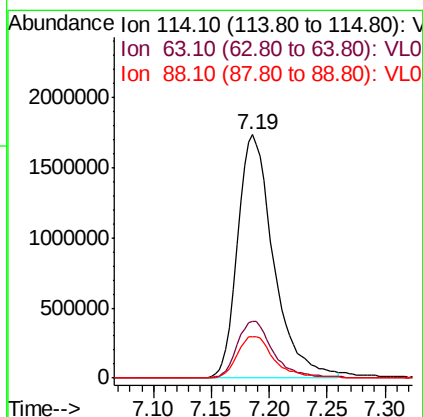
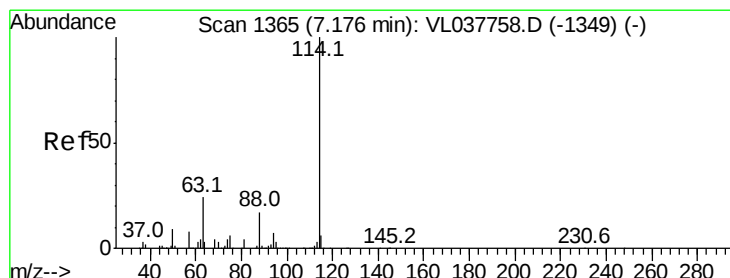
#26
Hexane
Concen: 0.030 ppbv
RT: 5.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Oct 2021 19:01

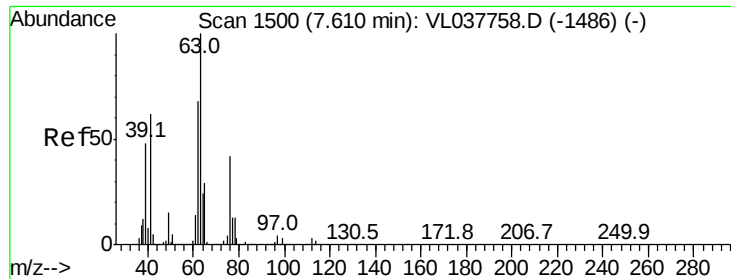
Tot Ion: 57 Resp: 4604
Ion Ratio Lower Upper
57 100
41 298.4 69.6 104.4#
43 259.3 171.4 257.0#
56 0.0 42.0 63.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VL037922.D
Acq: 27 Oct 2021 19:01

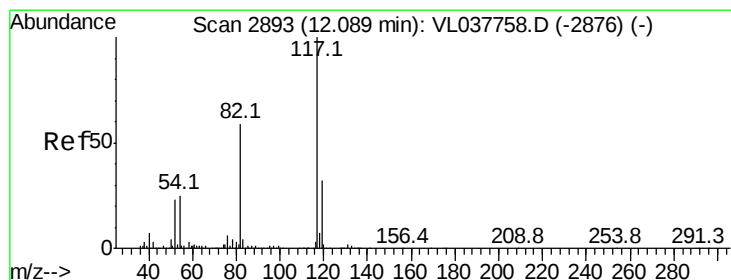
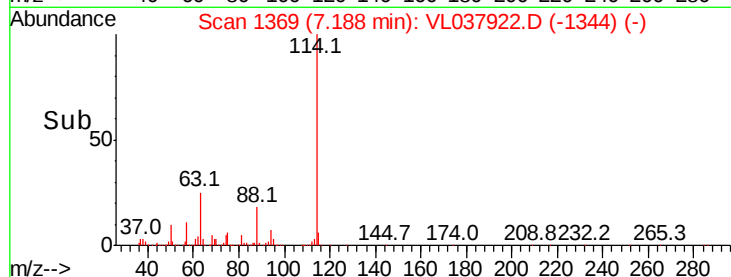
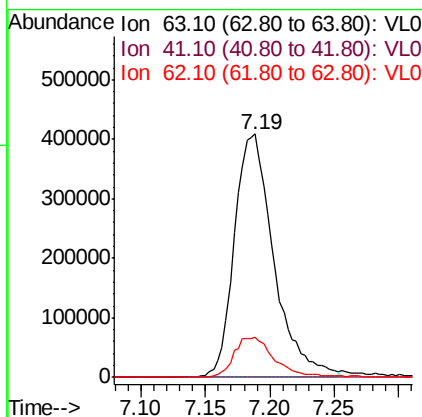
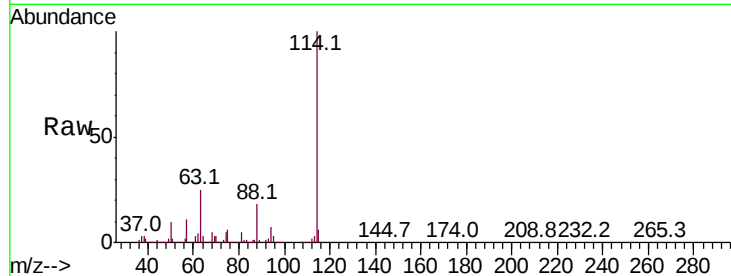
Tgt Ion: 114 Resp: 3740266
Ion Ratio Lower Upper
114 100
63 23.9 19.4 29.2
88 17.8 14.4 21.6





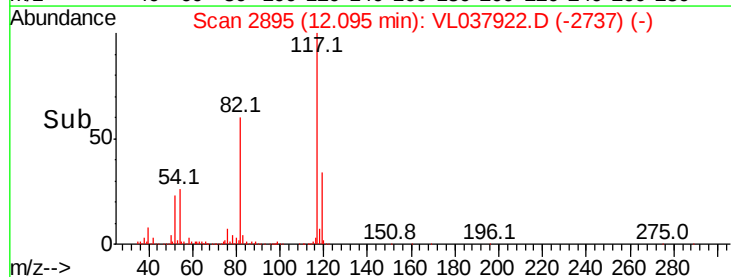
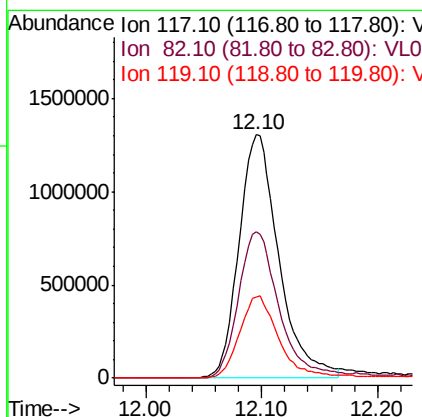
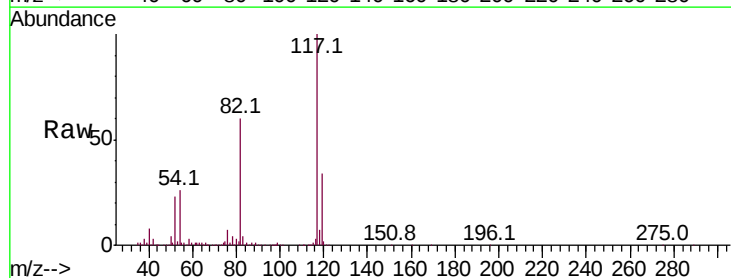
#39
 1,2-Dichloropropane
 Concen: 7.229 ppbv
 RT: 7.19
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 27 Oct 2021 19:01

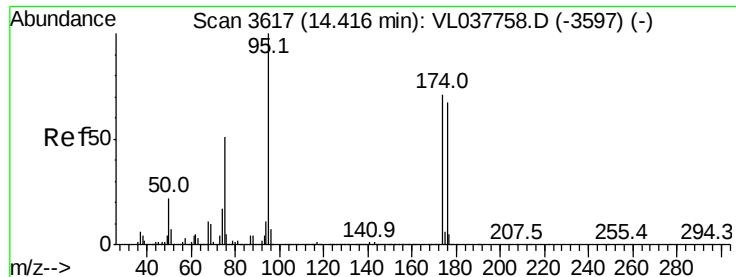
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	16.6	54.6	82.0#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2895
 Delta R.T.: 0.01 min
 Lab File: VL037922.D
 Acq: 27 Oct 2021 19:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.2	52.2	78.2
119	34.8	26.0	39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.913 ppbv

RT: 14.43

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Oct 2021 19:01

Tot Ion: 95 Resp: 2163184

Ion Ratio Lower Upper

95 100

174 71.2 57.8 86.6

175 5.5 4.7 7.1

