

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
 Data File : VL037496.D
 Acq On : 19 Aug 2021 12:29
 Operator : SY/AP
 Sample : VL0819ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 20 00:18:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1379419	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4143376	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3584349	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2553721	10.03	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

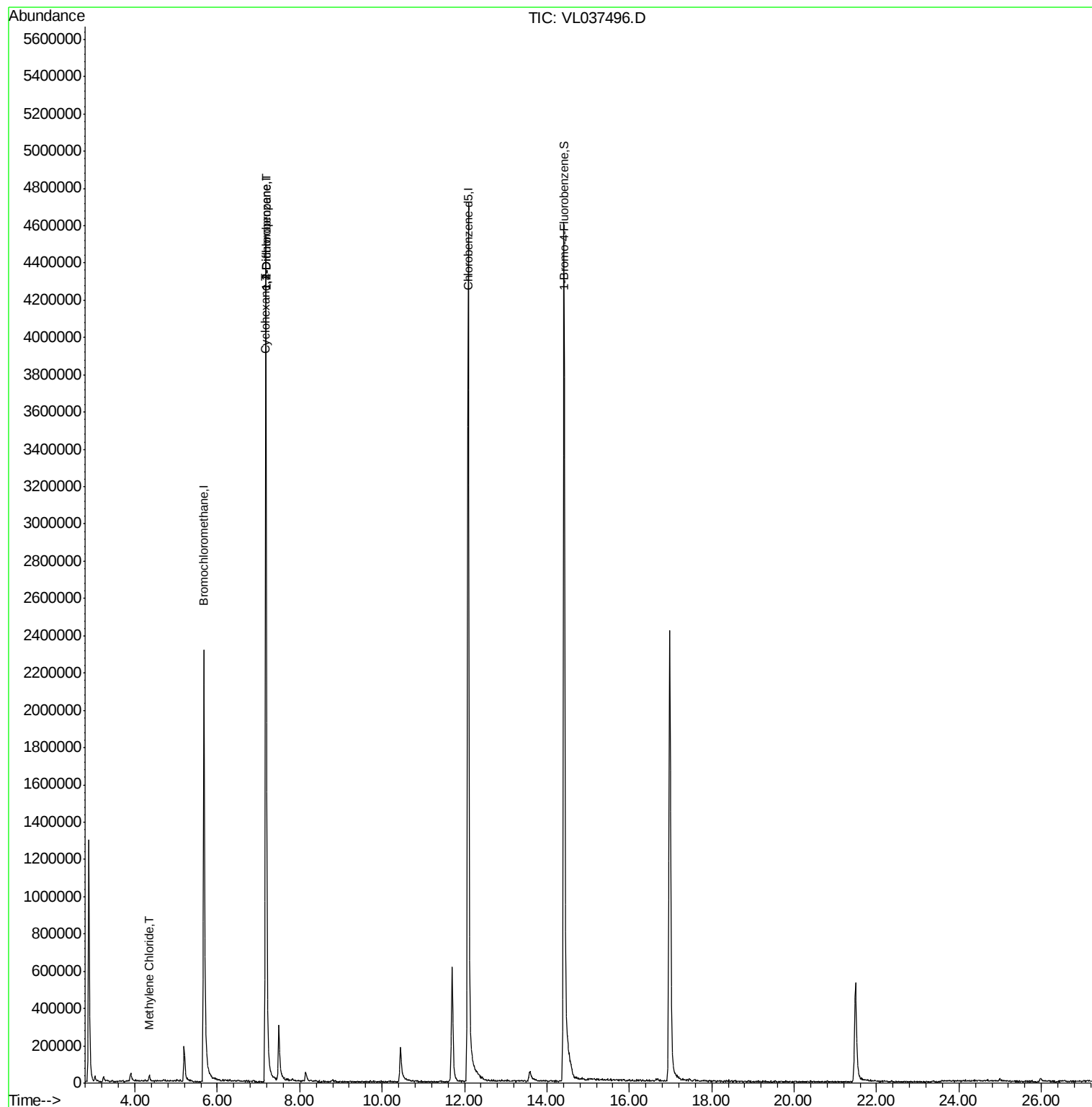
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.36	84	8670	0.123	ppbv #	68
30) Cyclohexane	7.16	84	4601	0.032	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	956237	7.145	ppbv #	28

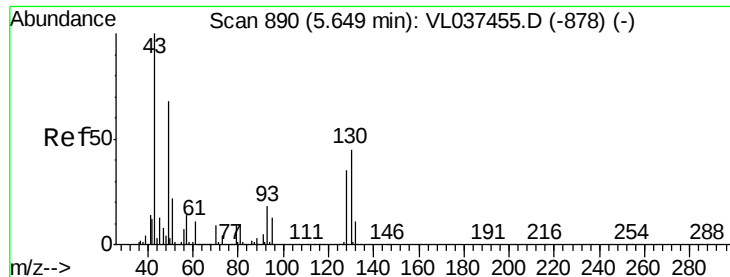
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.02 min

Lab File: VL037496.D

Acq: 19 Aug 2021 12:29

Instrument :

MSVOA_L

ClientSampleId :

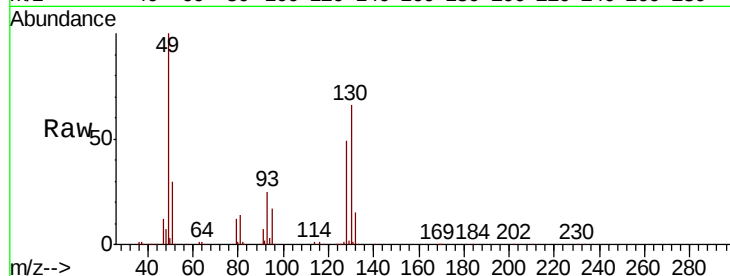
Tot Ion: 49 Resp: 1379419

Ion Ratio Lower Upper

49 100

128 55.3 27.5 82.4

130 70.6 34.0 101.8

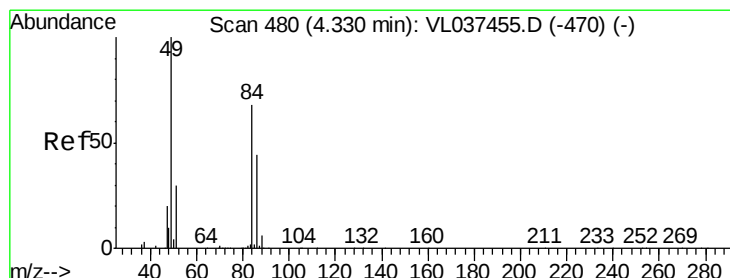
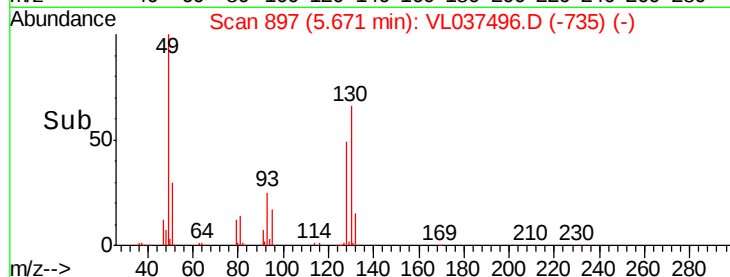
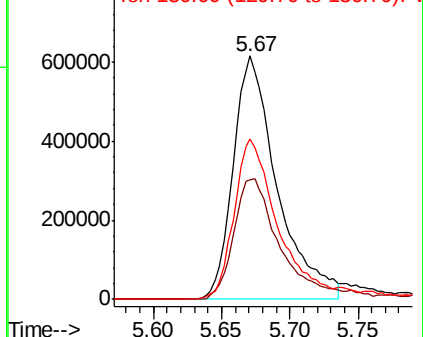


Abundance

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: 0.123 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.03 min

Lab File: VL037496.D

Acq: 19 Aug 2021 12:29

Tgt Ion: 84 Resp: 8670

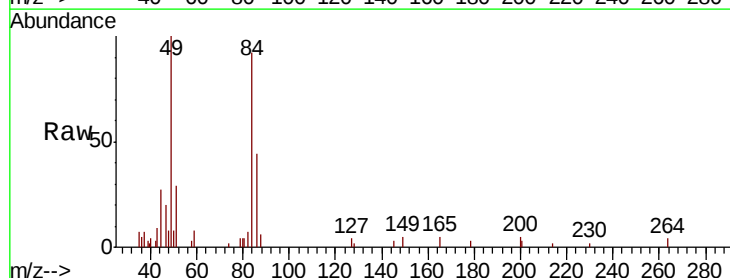
Ion Ratio Lower Upper

84 100

49 103.7 118.2 177.2#

51 25.4 36.6 55.0#

86 45.5 51.8 77.6#



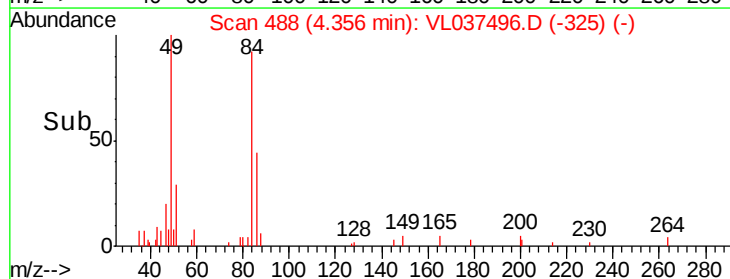
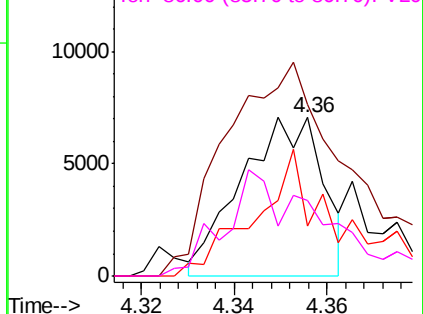
Abundance

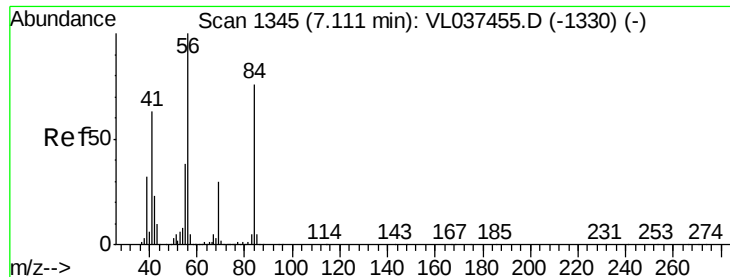
Ion 84.00 (83.70 to 84.70): VL0

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

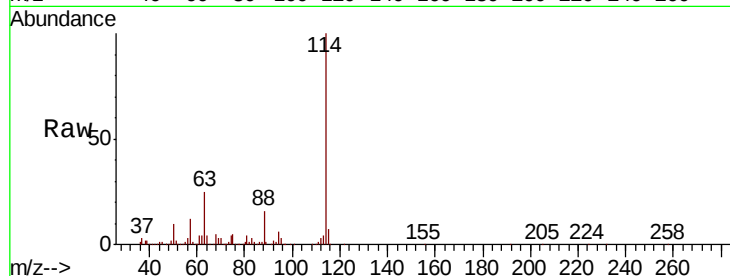




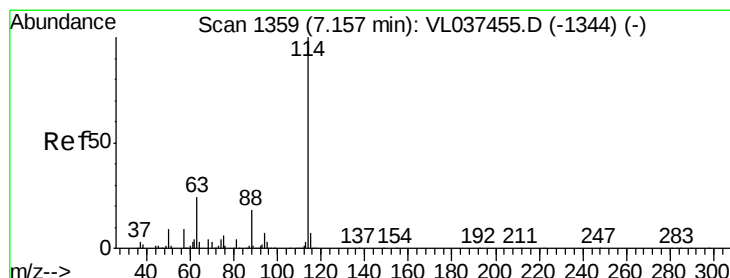
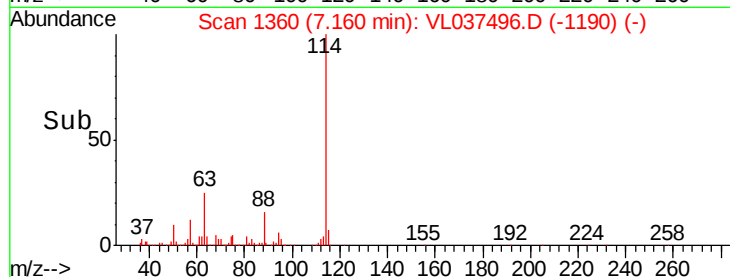
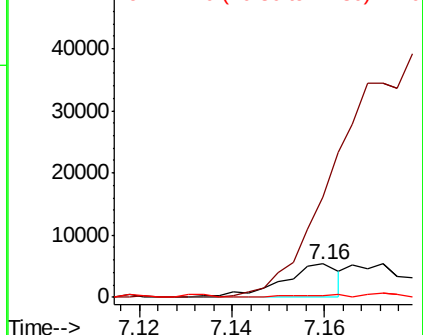
#30
Cvclohexane
Concen: 0.032 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.05 min
Lab File: VL037496.D
Acq: 19 Aug 2021 12:29

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 84 Resp: 4601
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 0.0 67.0 100.6#

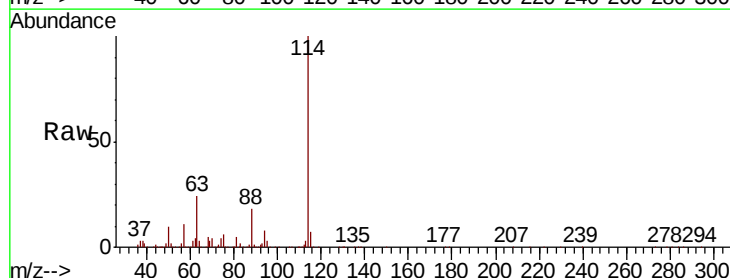


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

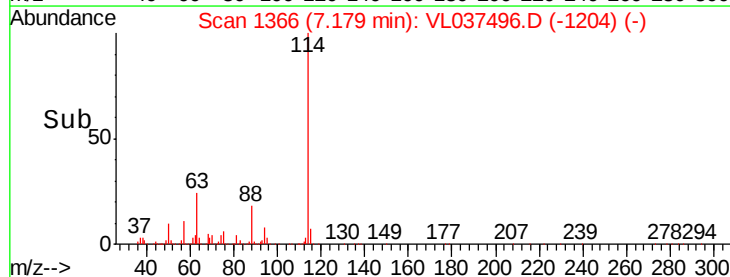
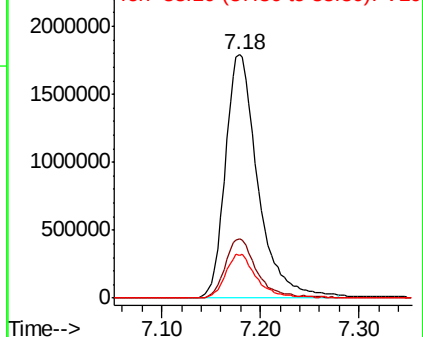


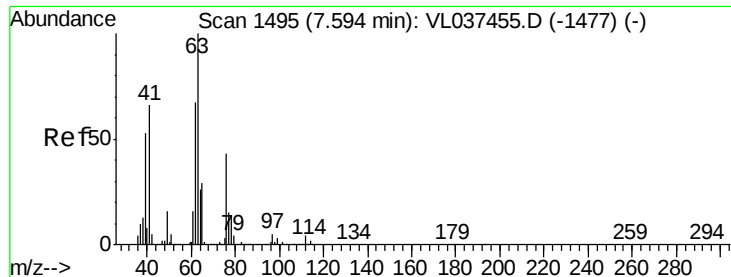
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.02 min
Lab File: VL037496.D
Acq: 19 Aug 2021 12:29

Tgt Ion: 114 Resp: 4143376
Ion Ratio Lower Upper
114 100
63 24.0 19.3 28.9
88 17.4 14.2 21.4



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

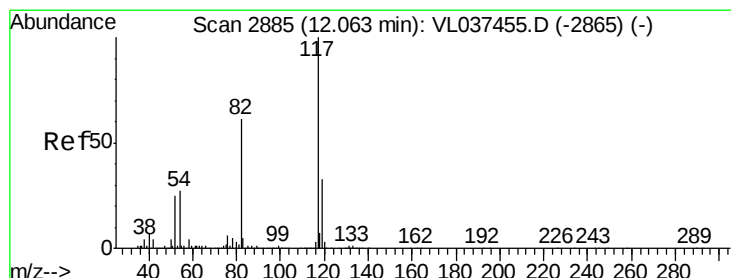
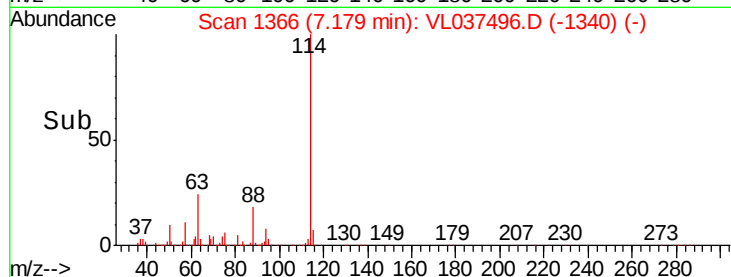
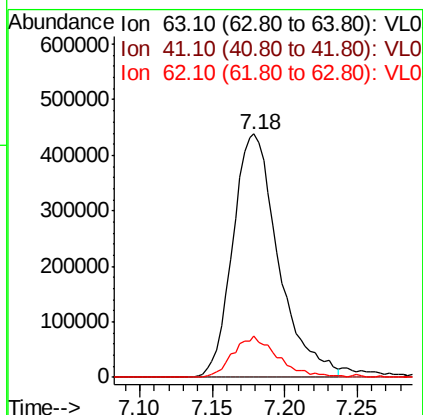
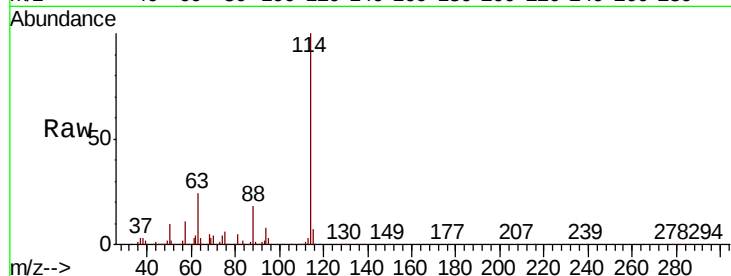




#39
 1,2-Dichloropropane
 Concen: 7.145 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.41 min
 Lab File: VL037496.D
 Acq: 19 Aug 2021 12:29

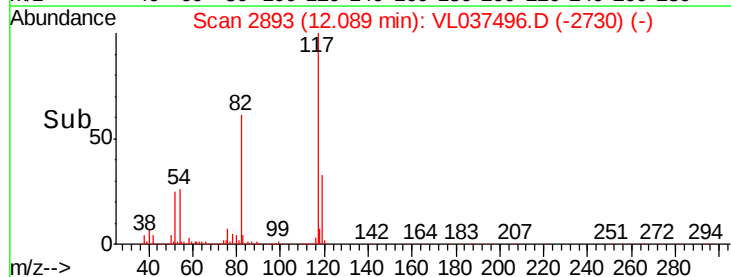
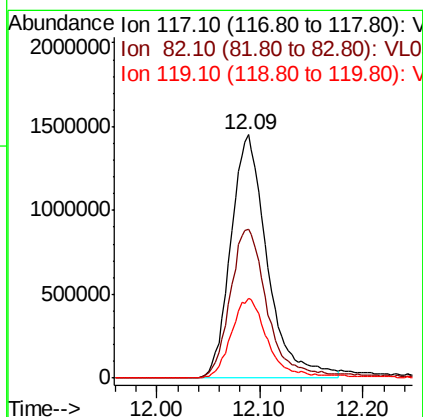
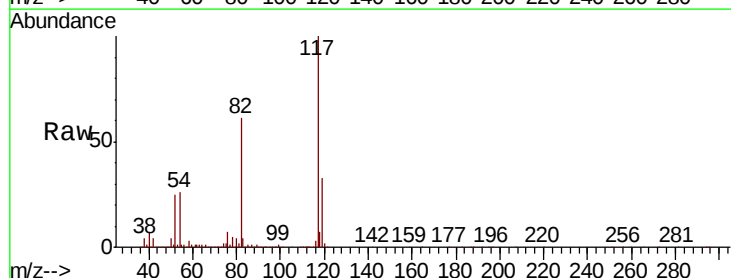
Instrument :
 MSVOA_L
 ClientSampleId :

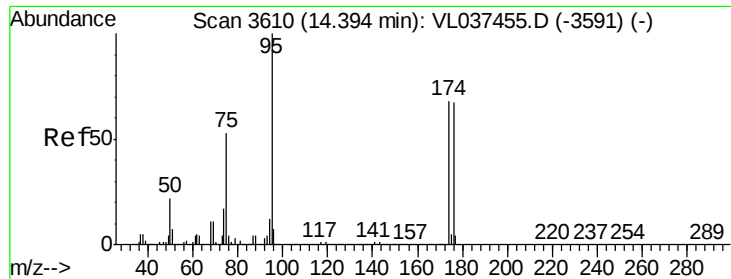
Tot Ion: 63 Resp: 956237
 Ion Ratio Lower Upper
 63 100
 41 0.0 52.4 78.6#
 62 17.1 53.6 80.4#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2893
 Delta R.T. 0.03 min
 Lab File: VL037496.D
 Acq: 19 Aug 2021 12:29

Tgt Ion: 117 Resp: 3584349
 Ion Ratio Lower Upper
 117 100
 82 64.3 52.9 79.3
 119 33.9 24.8 37.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.028 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.02 min

Lab File: VL037496.D

Acq: 19 Aug 2021 12:29

Instrument :

MSVOA_L

ClientSampleId :

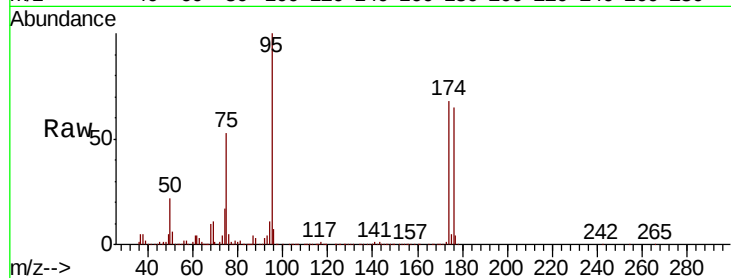
Tot Ion: 95 Resp: 2553721

Ion Ratio Lower Upper

95 100

174 73.7 59.6 89.4

175 5.1 4.6 7.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

