

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100121\
 Data File : VL037753.D
 Acq On : 1 Oct 2021 22:29
 Operator : SY/AP
 Sample : M4012-11DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P07DL

Manual Integrations
 APPROVED

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 10/4/2021 5:50:15 PM

Quant Time: Oct 02 19:54:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1409219	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4043126	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3503951	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2348821	9.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.80%
Target Compounds						
20) Methylene Chloride	4.33	84	31390m	0.449	ppbv	
38) Trichloroethene	7.82	130	53868	0.382	ppbv	88
52) Tetrachloroethene	11.21	164	5096040	39.373	ppbv	98

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

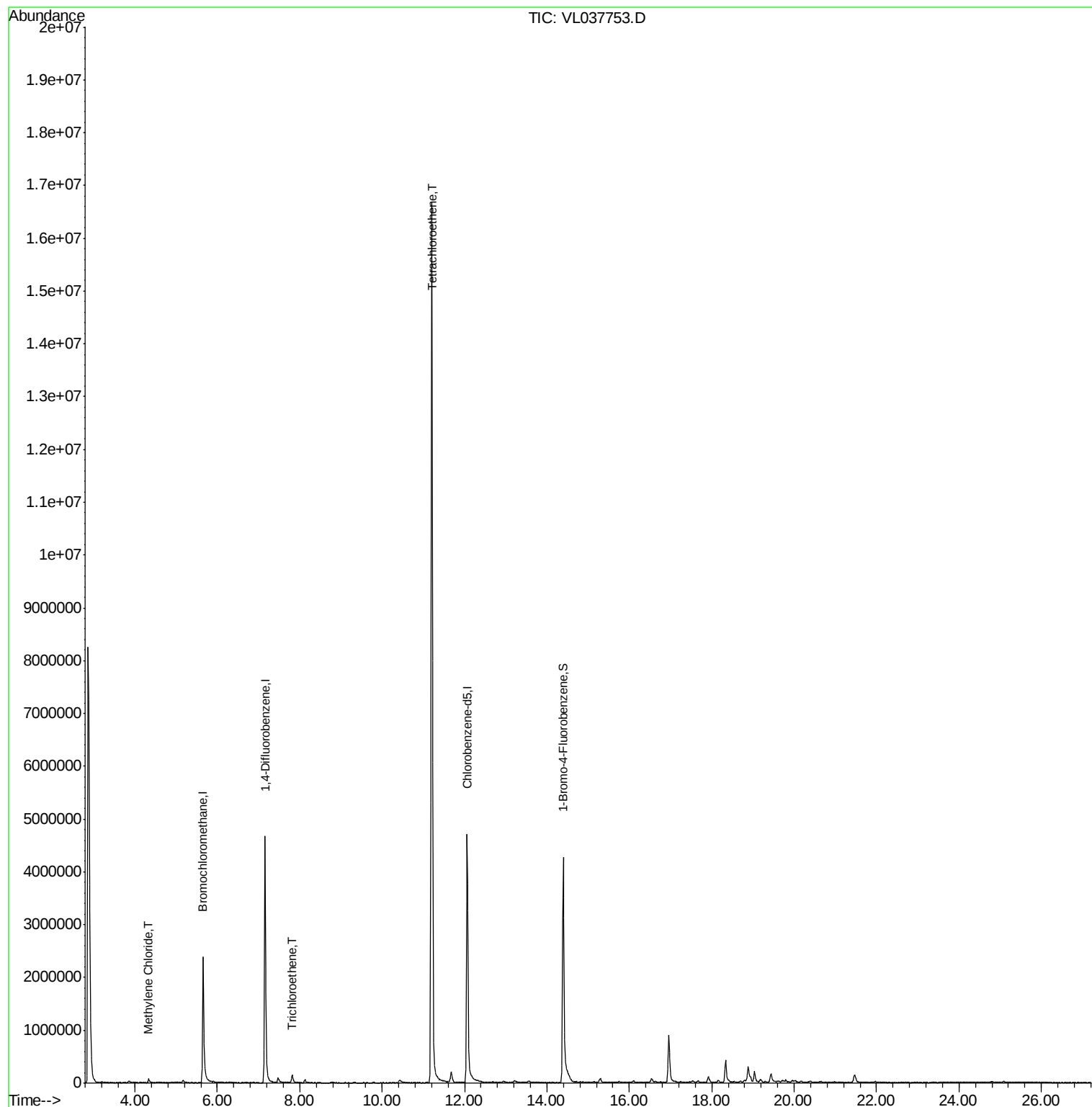
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL100121\
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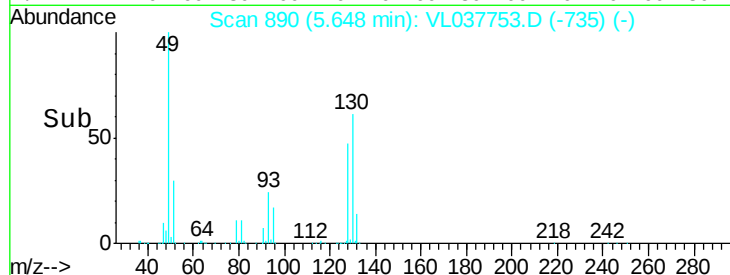
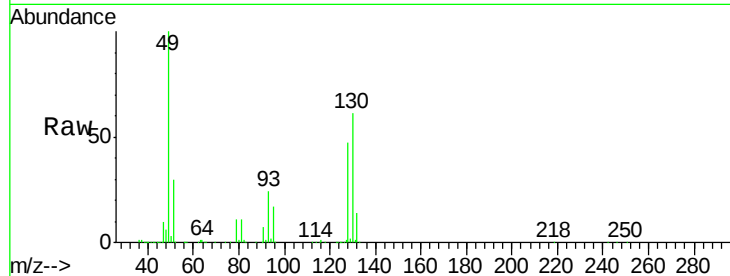
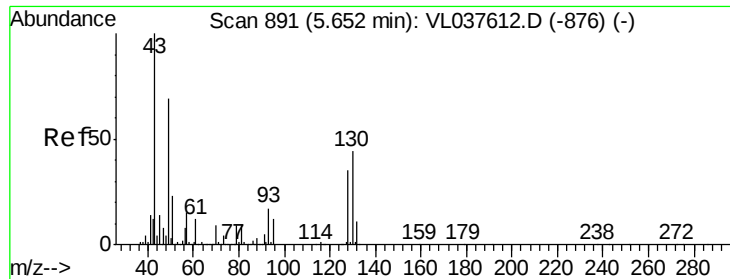
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
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QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037753.D

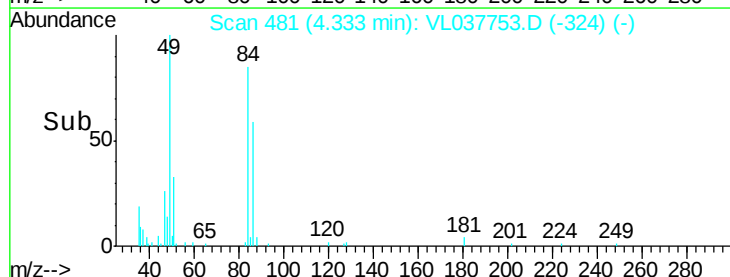
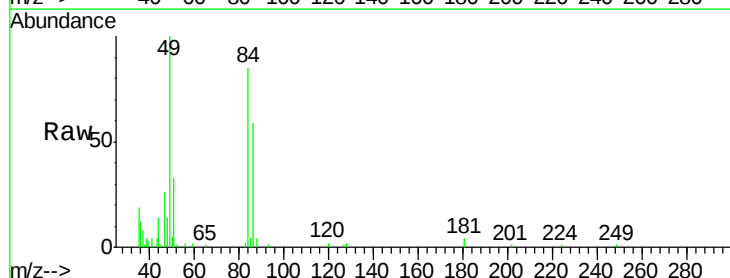
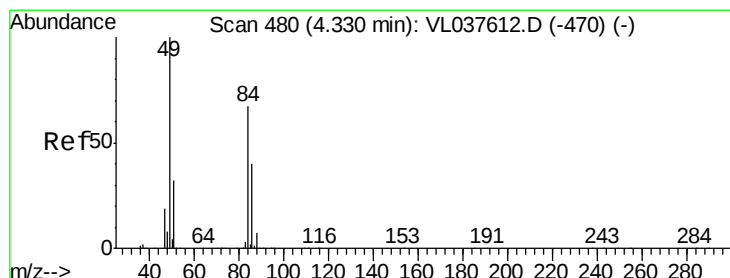
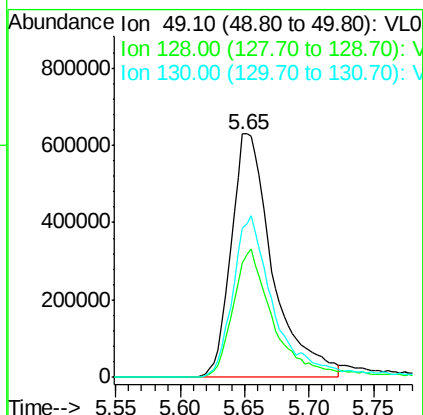
Acq: 1 Oct 2021 22:29

Tot Ion:	49	Resp:	1409219
Ion	Ratio	Lower	Upper
49	100		
128	53.1	27.9	83.6
130	68.6	33.9	101.7

Instrument :
MSVOA_L
ClientSampled :
C0P07DL

Manual Integrations
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#20

Methylene Chloride

Concen: 0.449 ppbv m

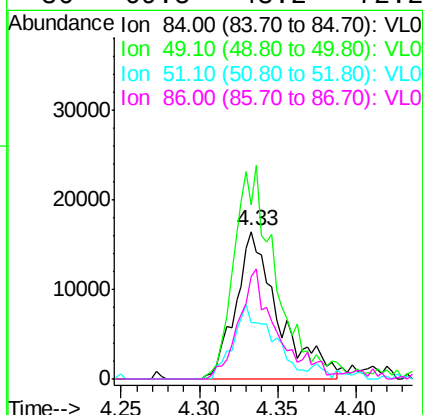
RT: 4.33 min Scan# 481

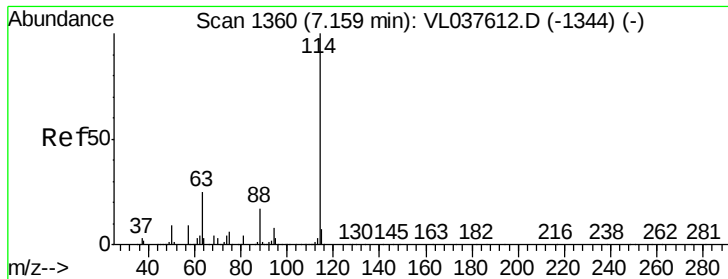
Delta R.T. 0.00 min

Lab File: VL037753.D

Acq: 1 Oct 2021 22:29

Tgt Ion:	84	Resp:	31390
Ion	Ratio	Lower	Upper
84	100		
49	118.0	120.0	180.0#
51	38.4	38.0	57.0
86	69.5	48.2	72.2





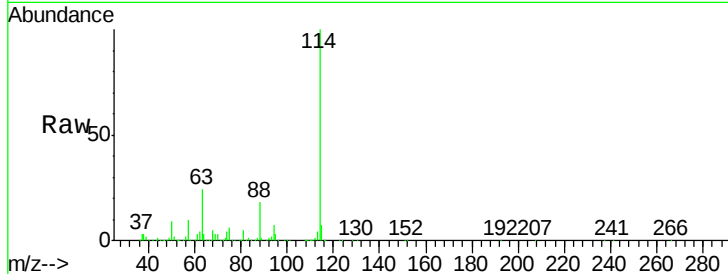
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037753.D
 Acq: 1 Oct 2021 22:29

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P07DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	18.0	14.2	21.4

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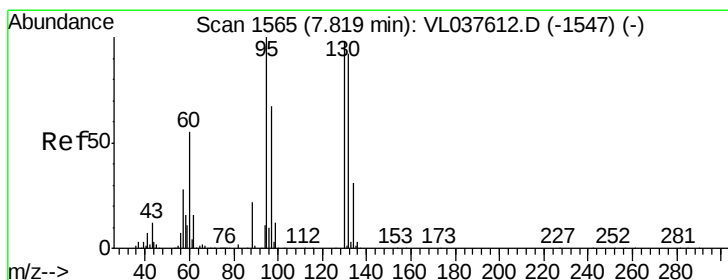
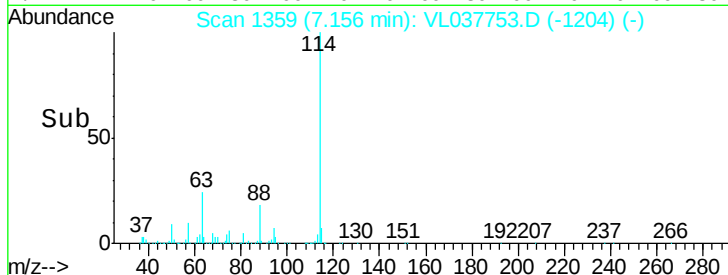
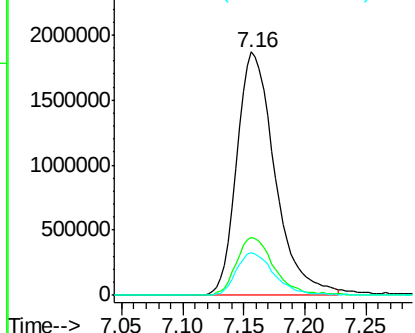
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#38
 Trichloroethene
 Concen: 0.382 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VL037753.D
 Acq: 1 Oct 2021 22:29

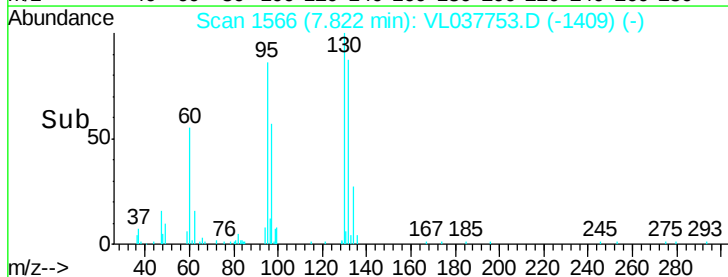
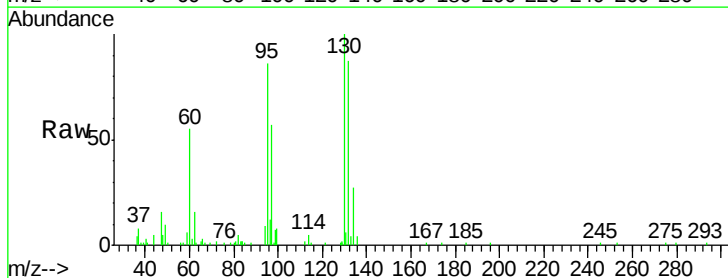
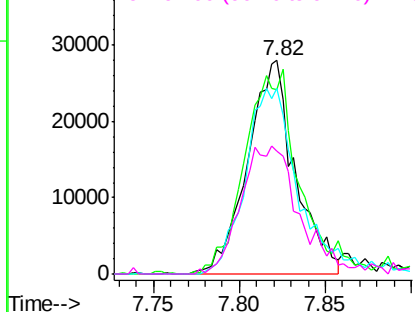
Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.4	81.8	122.6
132	86.8	75.3	112.9
97	57.4	54.7	82.1

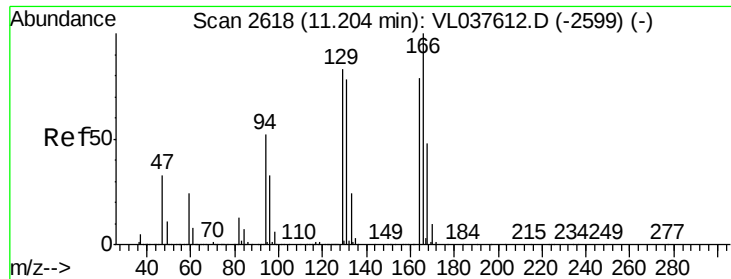
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





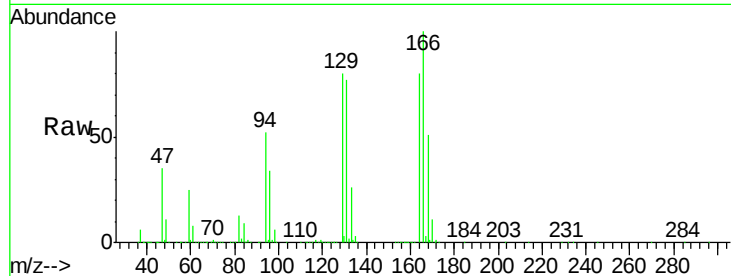
#52
Tetrachloroethene
Concen: 39.373 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. 0.00 min
Lab File: VL037753.D
Acq: 1 Oct 2021 22:29

Instrument :
MSVOA_L
ClientSampleId :
C0P07DL

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.4	101.2	151.8
129	100.5	84.0	126.0
131	96.8	78.8	118.2

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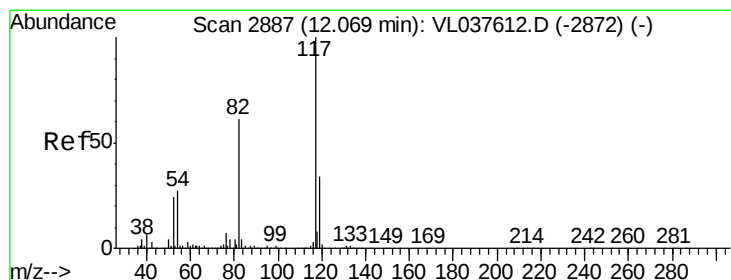
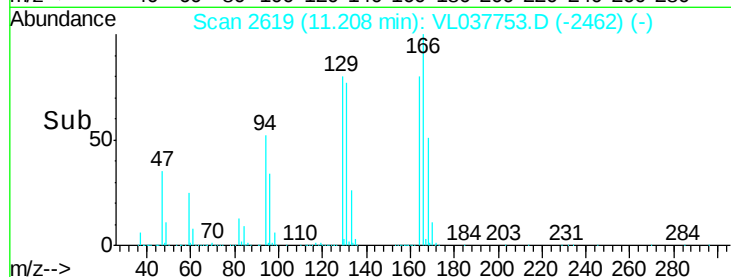
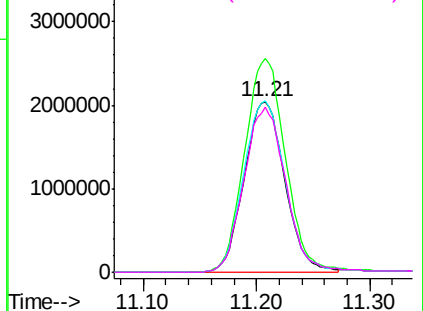
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

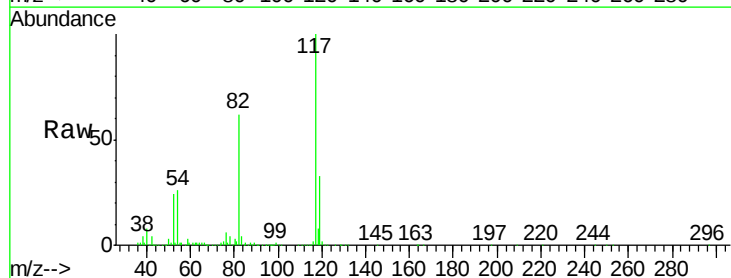
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.01 min
Lab File: VL037753.D
Acq: 1 Oct 2021 22:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.1	50.6	75.8
119	34.3	26.2	39.2

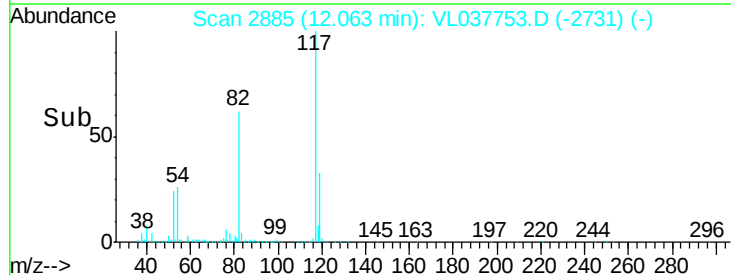
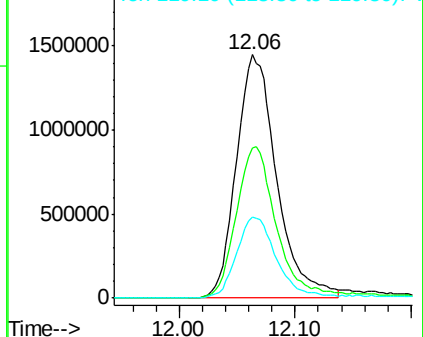


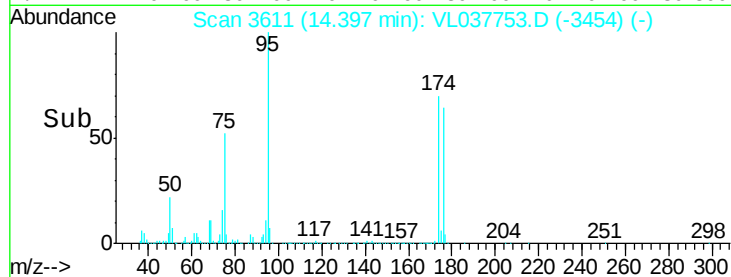
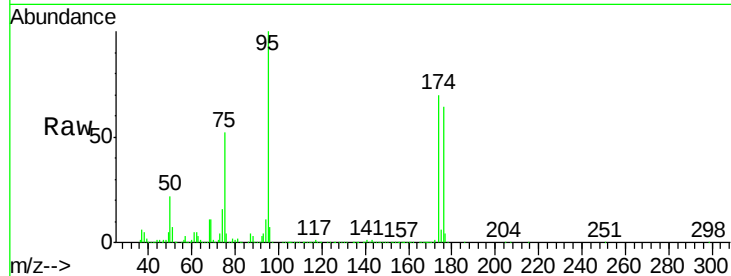
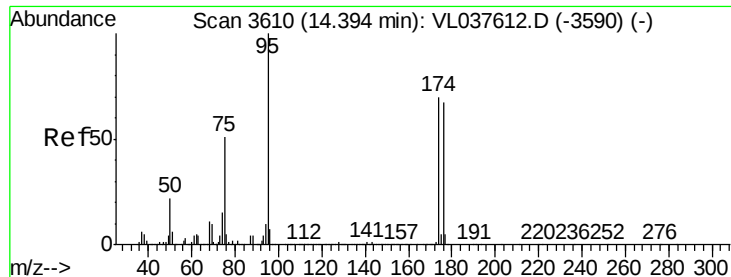
Abundance

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: 9.275 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037753.D

Acq: 1 Oct 2021 22:29

Tot Ion: 95 Resp: 2348821

Ion Ratio Lower Upper

95 100

174 77.1 56.3 84.5

175 5.9 4.4 6.6

Instrument :

MSVOA_L

ClientSampleId :

C0P07DL

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