

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036914.D
 Acq On : 7 May 2021 11:48
 Operator : SY/AP
 Sample : VL0507ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABL01

Quant Time: May 08 04:14:57 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1306057	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	3078497	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	2608595	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2046056	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

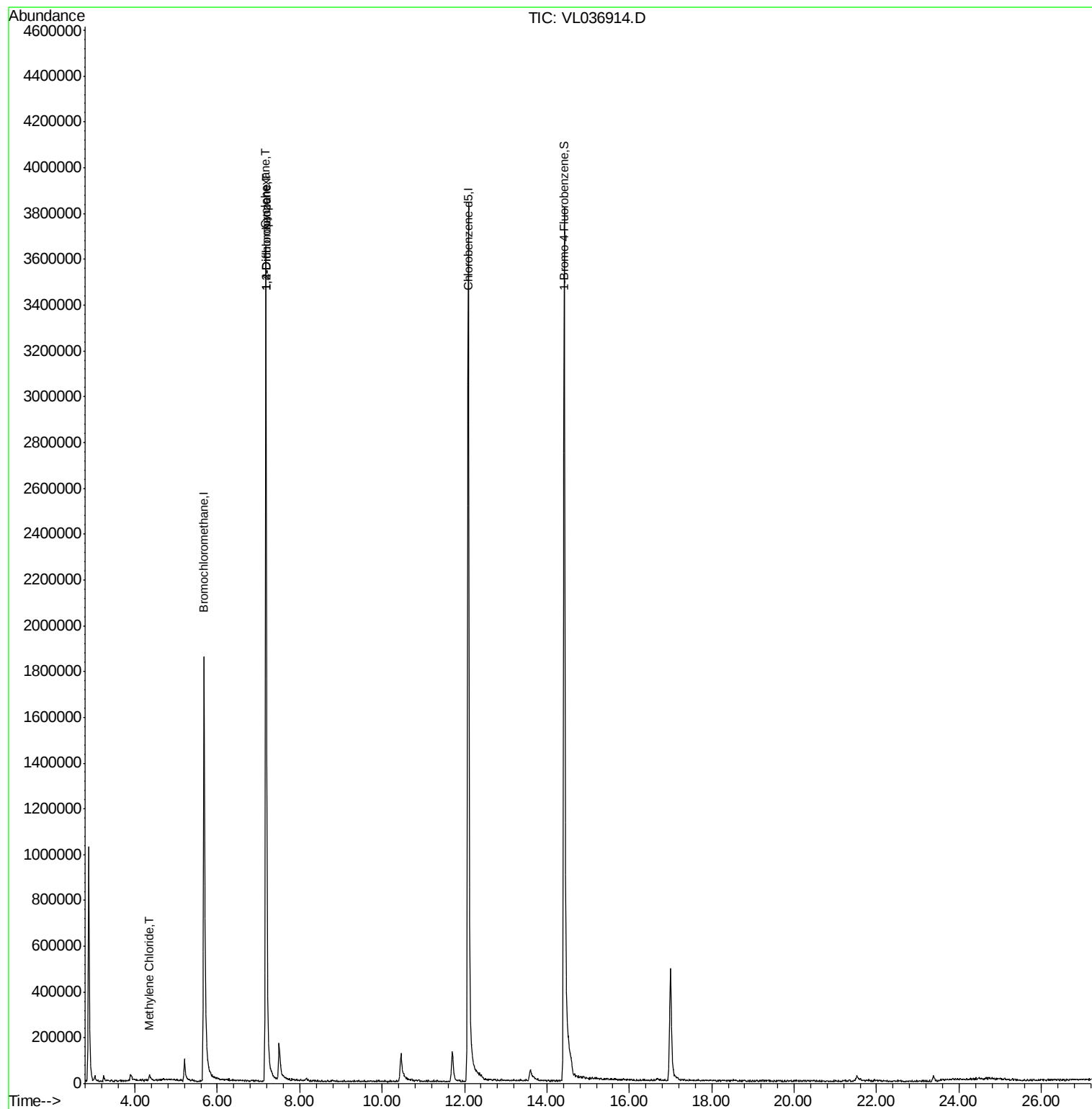
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.35	84	7817	0.133	ppbv	92
30) Cyclohexane	7.17	84	7462	0.067	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	802264	7.720	ppbv #	24

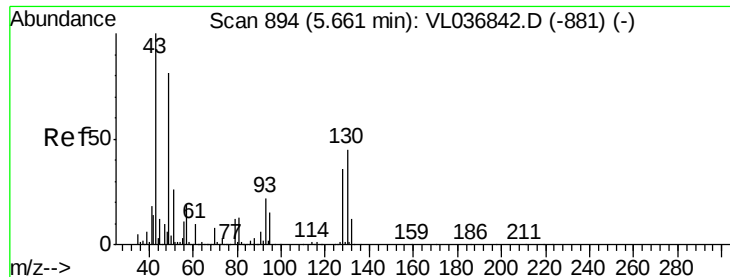
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

Lab File: VL036914.D

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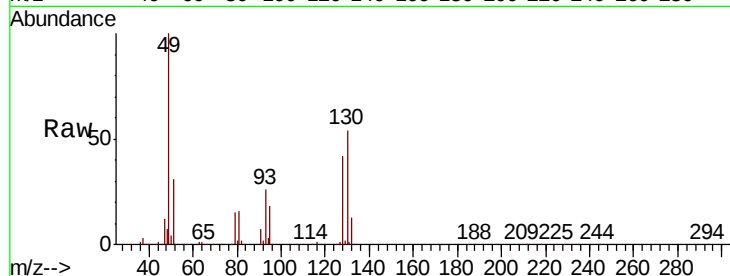
Tot Ion: 49 Resp: 1306057

Ion Ratio Lower Upper

49 100

128 47.5 24.4 73.2

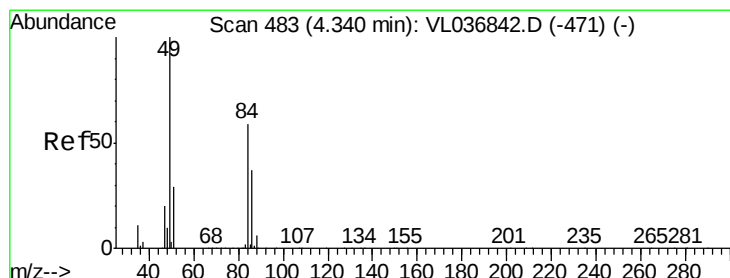
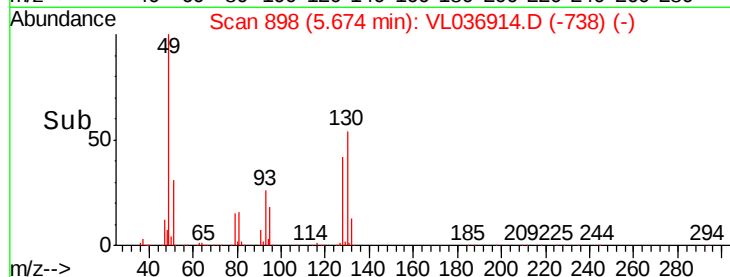
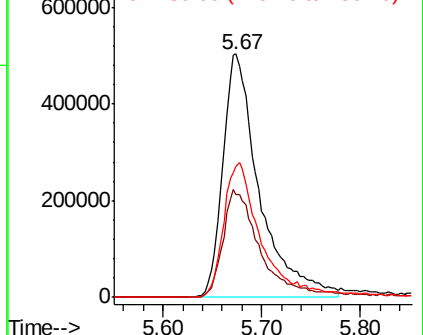
130 58.2 30.3 90.8



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: 0.133 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL036914.D

Acq: 7 May 2021 11:48

Tgt Ion: 84 Resp: 7817

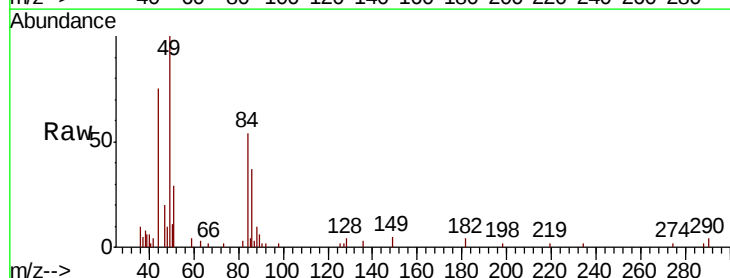
Ion Ratio Lower Upper

84 100

49 185.5 135.4 203.0

51 53.3 39.3 58.9

86 63.3 50.2 75.2

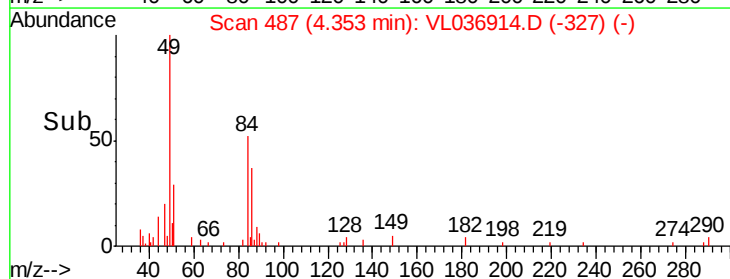
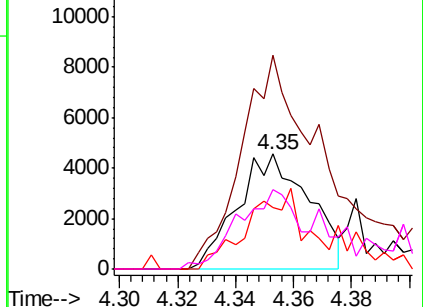


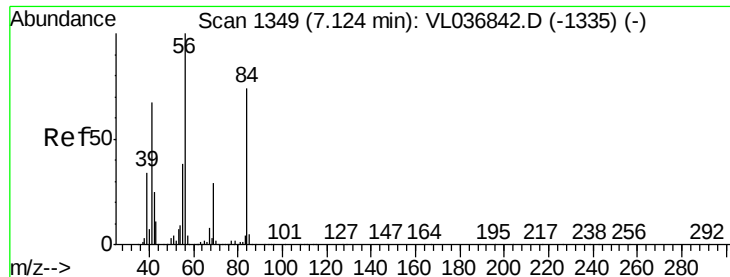
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

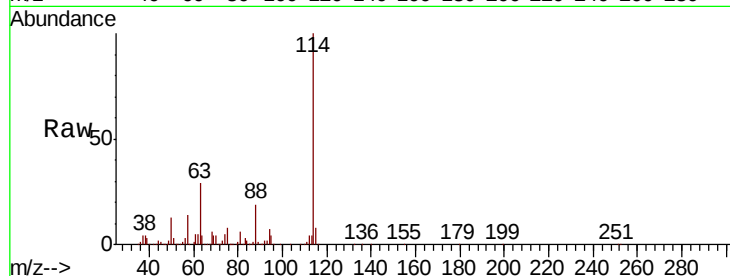




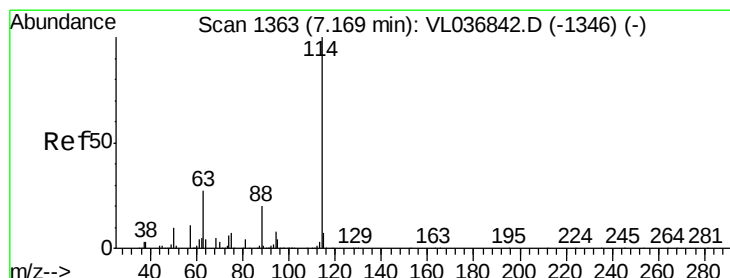
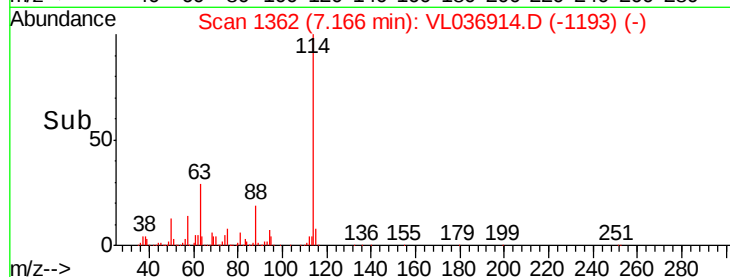
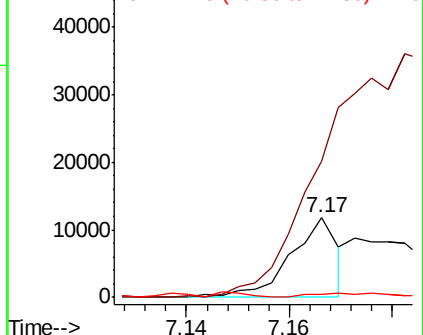
#30
Cvclohexane
Concen: 0.067 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.04 min
Lab File: VL036914.D
Acq: 7 May 2021 11:48

Instrument :
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VL0507ABL01

Tot Ion: 84 Resp: 7462
Ion Ratio Lower Upper
84 100
56 0.0 115.8 173.6#
41 0.0 74.6 111.8#

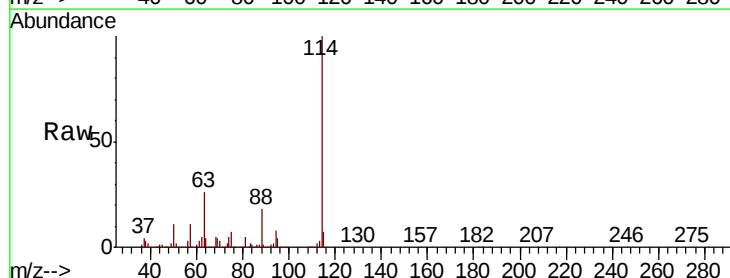


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

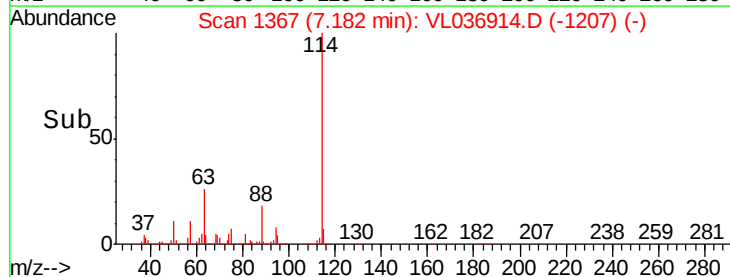
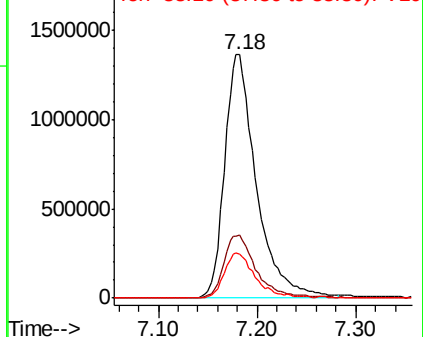


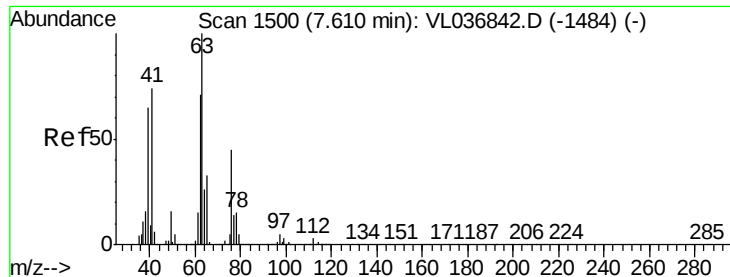
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.01 min
Lab File: VL036914.D
Acq: 7 May 2021 11:48

Tgt Ion:114 Resp: 3078497
Ion Ratio Lower Upper
114 100
63 26.9 21.9 32.9
88 18.6 15.1 22.7



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

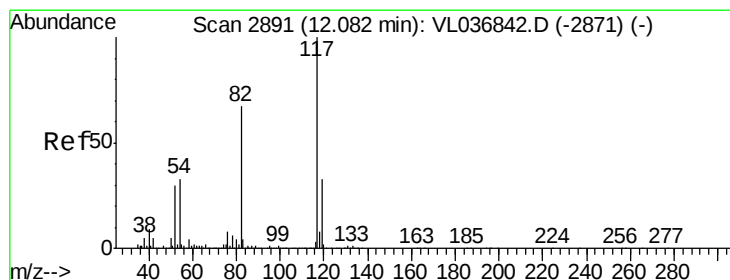
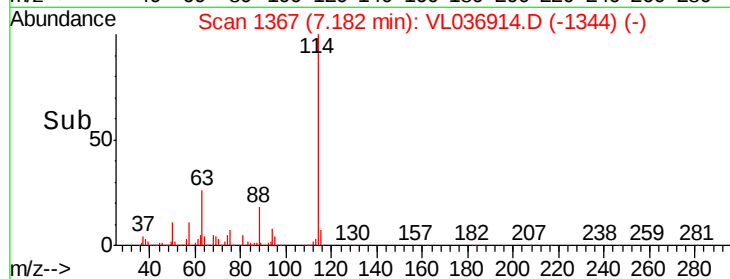
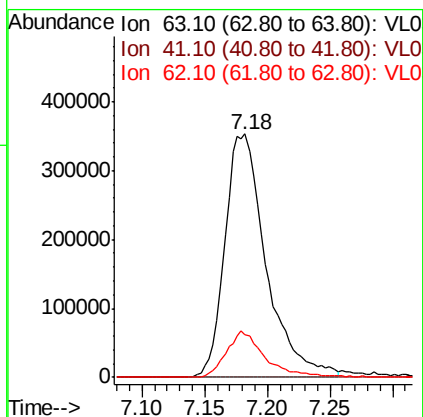
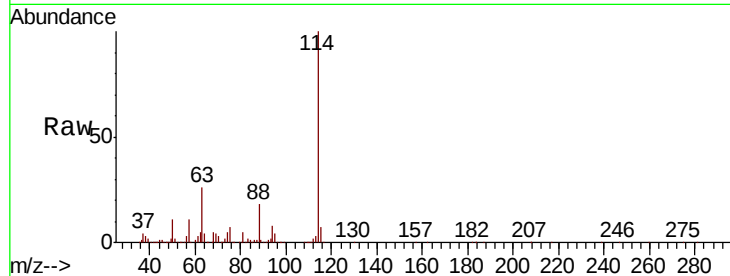




#39
 1,2-Dichloropropane
 Concen: 7.720 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.43 min
 Lab File: VL036914.D
 Acq: 7 May 2021 11:48

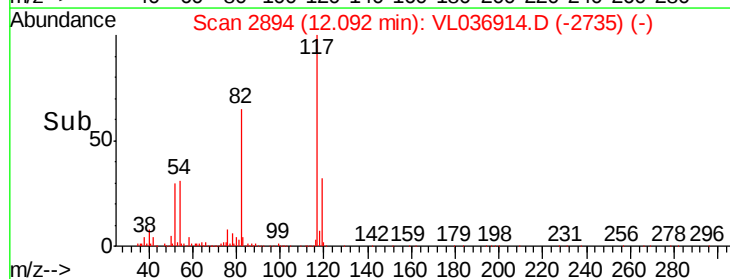
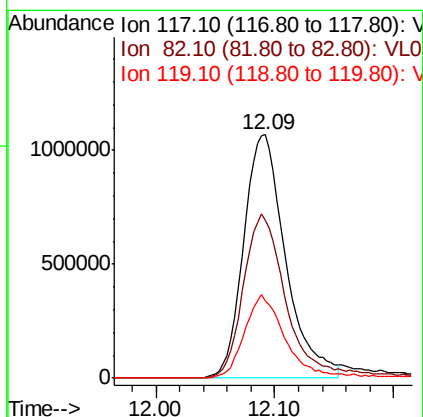
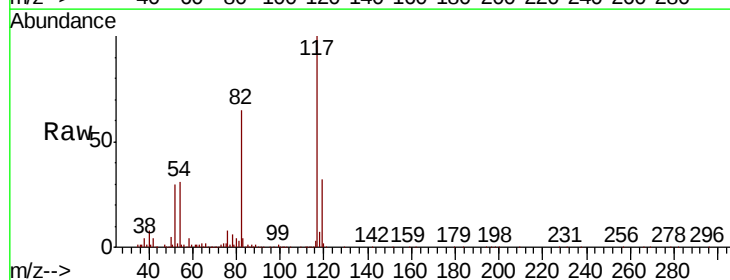
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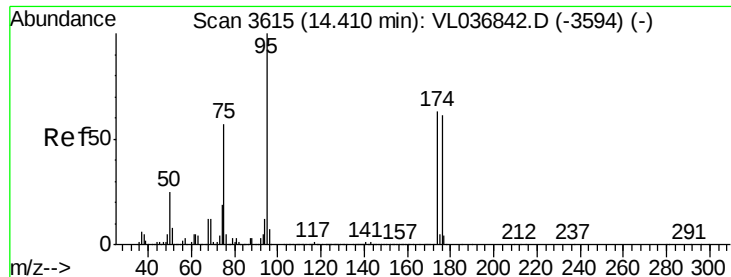
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.1	88.7#
62	17.3	56.9	85.3#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2894
 Delta R.T. 0.01 min
 Lab File: VL036914.D
 Acq: 7 May 2021 11:48

Tgt Ion	Ratio	Lower	Upper
117	100		
82	71.5	53.5	80.3
119	34.1	25.6	38.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.771 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.01 min

Lab File: VL036914.D

Acq: 7 May 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABL01

Tot Ion: 95 Resp: 2046056

Ion Ratio Lower Upper

95 100

174 67.9 52.2 78.2

175 4.6 4.0 6.0

