

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\
 Data File : VL035934.D
 Acq On : 13 Nov 2020 4:30
 Operator : SY/AP
 Sample : L4721-06
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LA-6

Quant Time: Nov 13 05:06:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1051359	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3624588	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3302462	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2454149	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

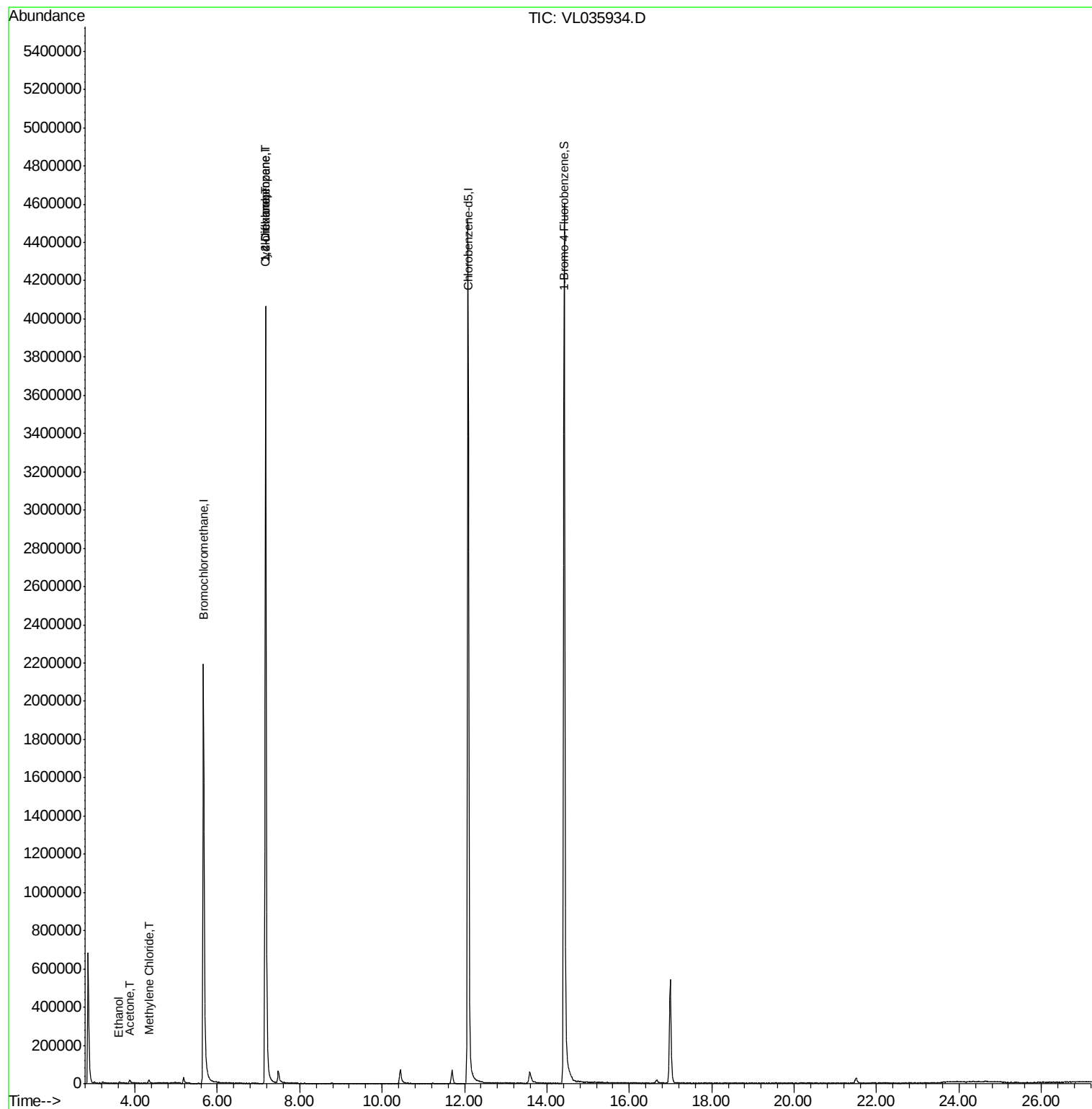
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	773	0.077	ppbv #	35
15) Acetone	3.87	43	16358	0.146	ppbv #	16
20) Methylene Chloride	4.34	84	8398	0.106	ppbv #	89
30) Cyclohexane	7.16	84	22361	0.168	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	753450	8.305	ppbv #	30

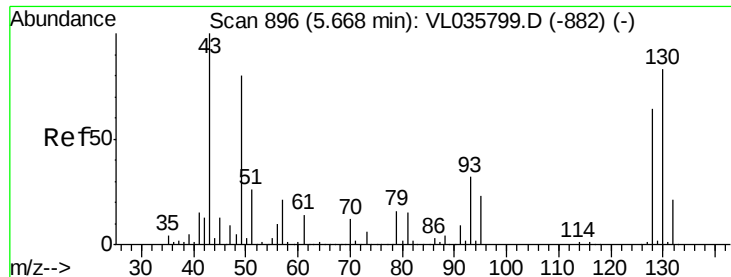
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL035934.D

Acq: 13 Nov 2020 4:30

Instrument :

MSVOA_L

ClientSampleId :

LA-6

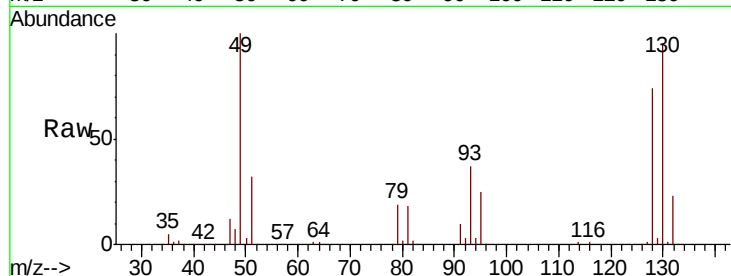
Tot Ion: 49 Resp: 1051359

Ion Ratio Lower Upper

49 100

128 75.6 41.5 124.6

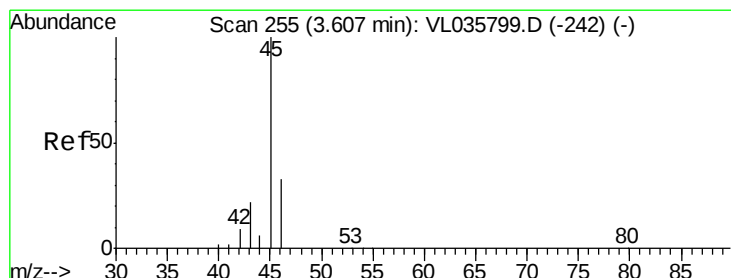
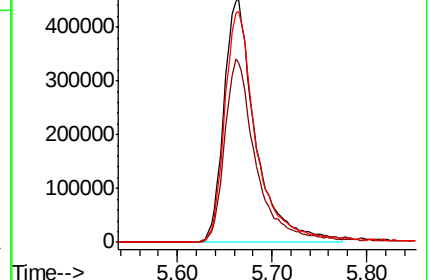
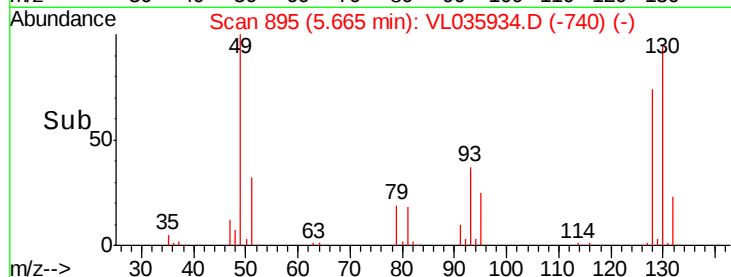
130 98.1 53.7 161.1



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



#13

Ethanol

Concen: 0.077 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL035934.D

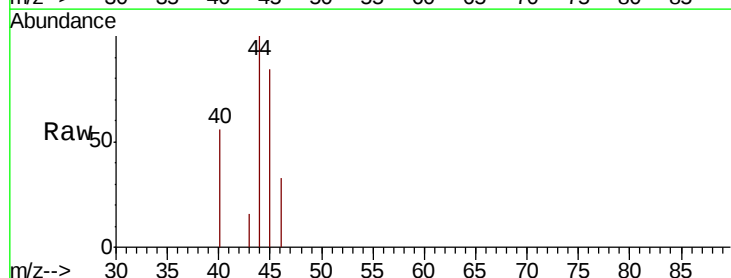
Acq: 13 Nov 2020 4:30

Tgt Ion: 45 Resp: 773

Ion Ratio Lower Upper

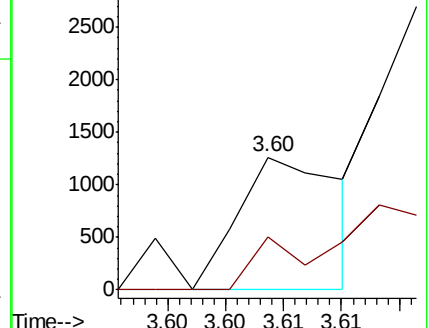
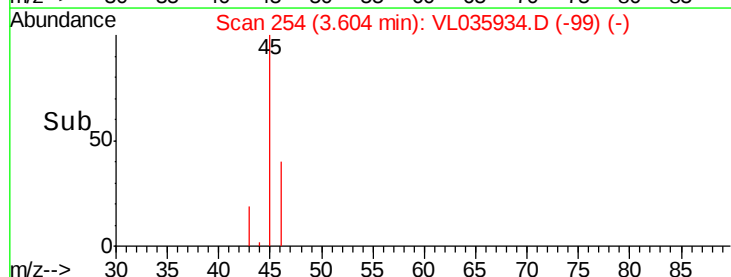
45 100

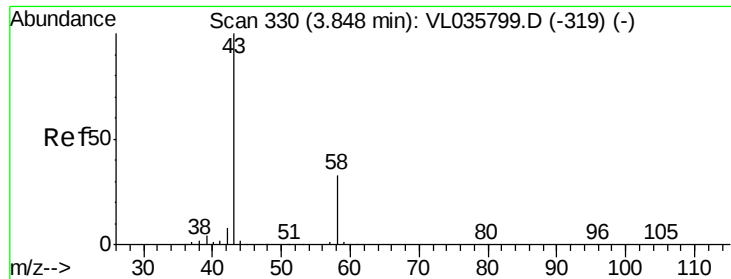
46 0.0 16.1 64.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.146 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL035934.D

Acq: 13 Nov 2020 4:30

Instrument :

MSVOA_L

ClientSampleId :

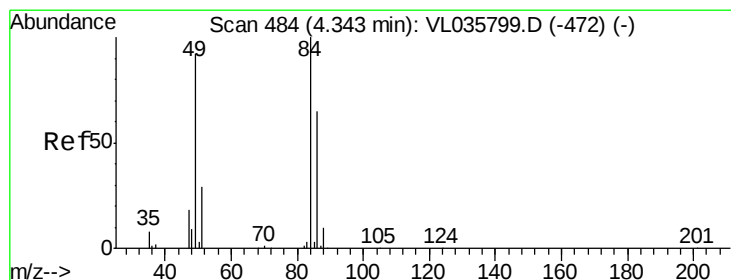
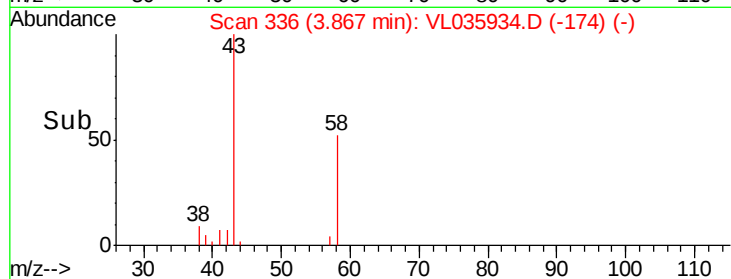
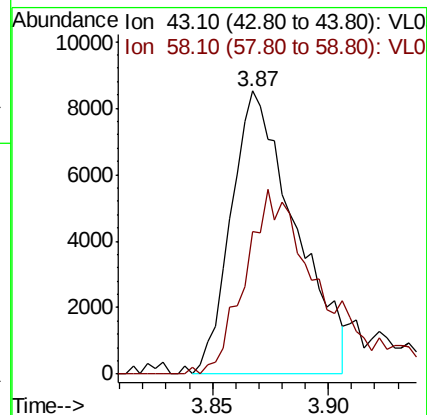
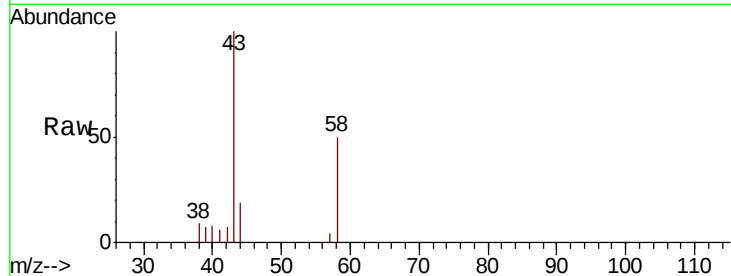
LA-6

Tot Ion: 43 Resp: 16358

Ion Ratio Lower Upper

43 100

58 82.8 27.5 41.3#



#20

Methylene Chloride

Concen: 0.106 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL035934.D

Acq: 13 Nov 2020 4:30

Tgt Ion: 84 Resp: 8398

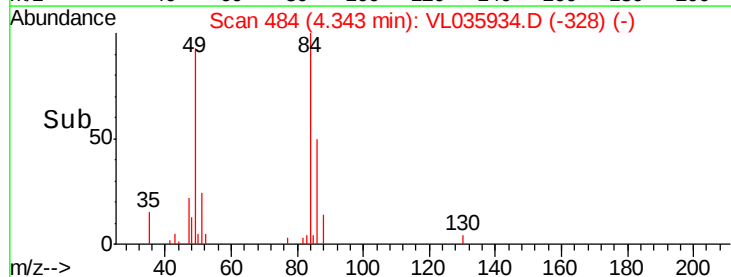
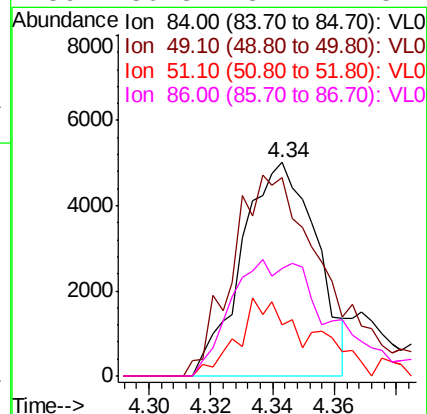
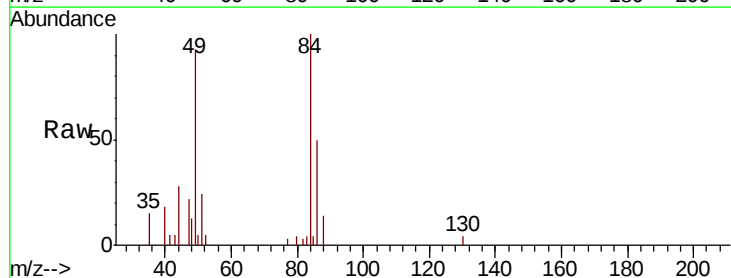
Ion Ratio Lower Upper

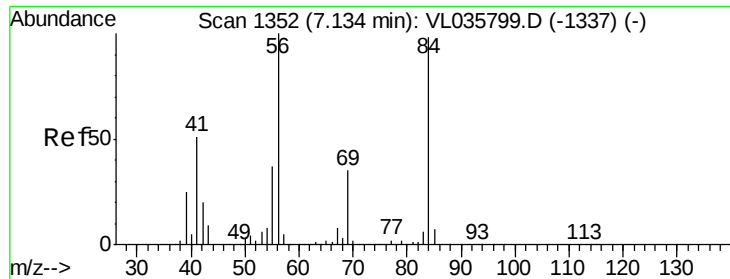
84 100

49 85.4 73.8 110.8

51 24.2 23.0 34.4

86 50.3 52.1 78.1#

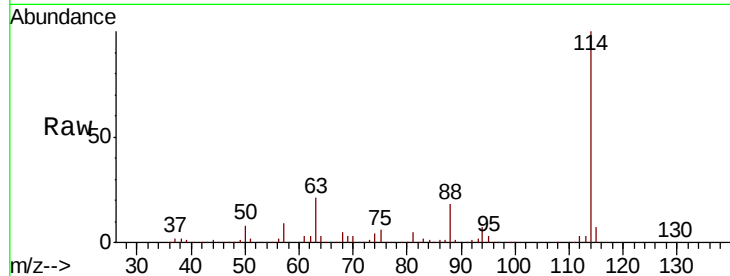




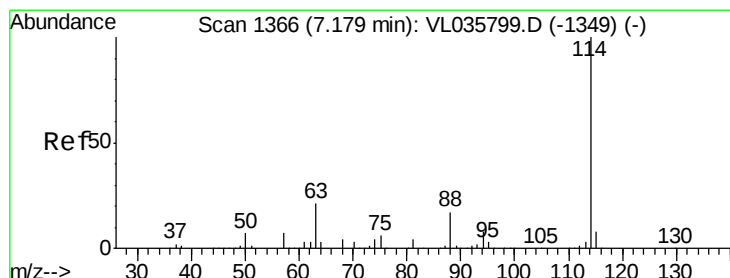
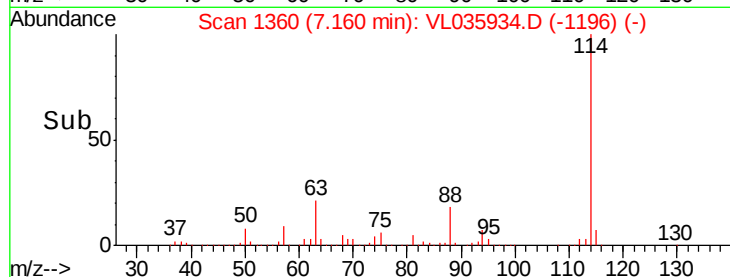
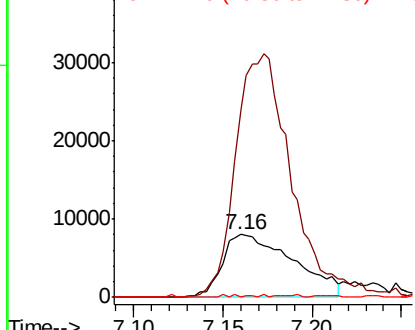
#30
Cyclohexane
Concen: 0.168 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.03 min
Lab File: VL035934.D
Acq: 13 Nov 2020 4:30

Instrument :
MSVOA_L
ClientSampleId :
LA-6

Tot Ion: 84 Resp: 22361
Ion Ratio Lower Upper
84 100
56 309.1 86.4 129.6#
41 0.0 42.1 63.1#

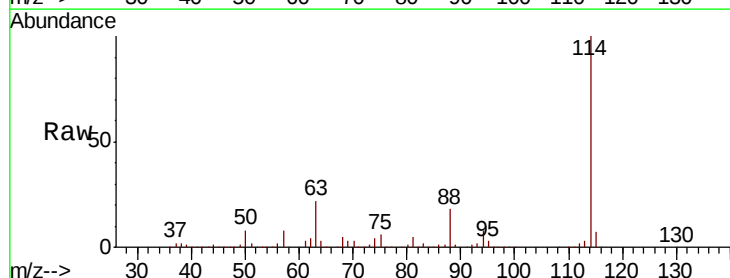


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

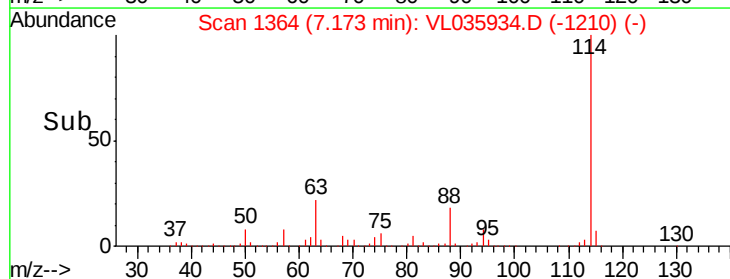
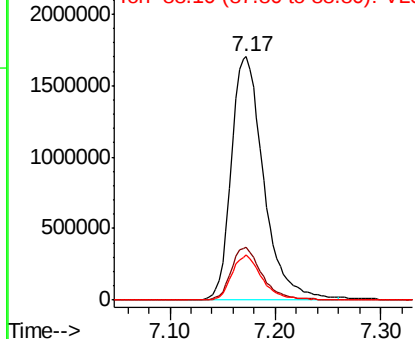


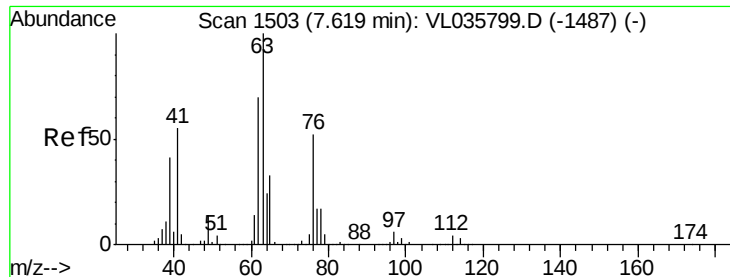
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL035934.D
Acq: 13 Nov 2020 4:30

Tgt Ion: 114 Resp: 3624588
Ion Ratio Lower Upper
114 100
63 21.0 16.1 24.1
88 17.7 13.7 20.5



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

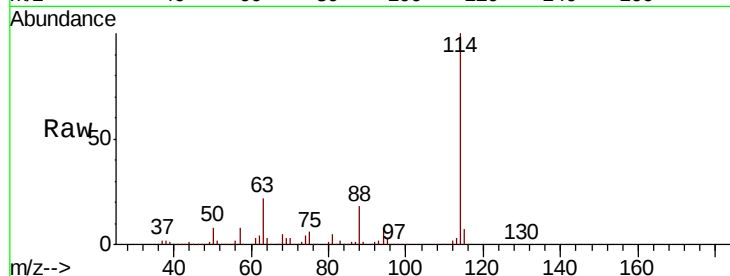




#39
 1,2-Dichloropropane
 Concen: 8.305 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.45 min
 Lab File: VL035934.D
 Acq: 13 Nov 2020 4:30

Instrument :
 MSVOA_L
 ClientSampleId :
 LA-6

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.1	43.8	65.6#
62	16.7	56.2	84.2#

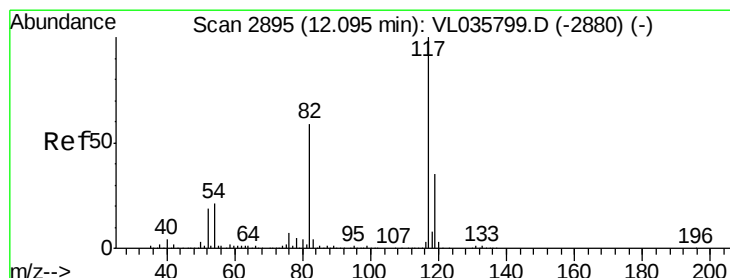
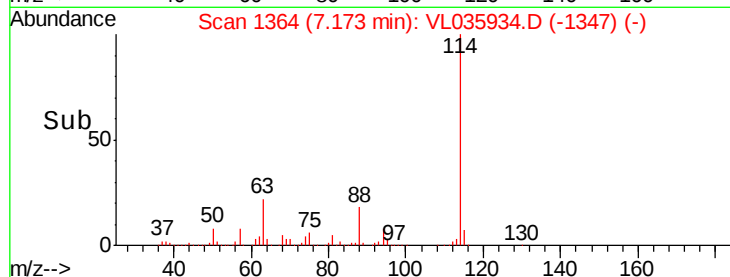
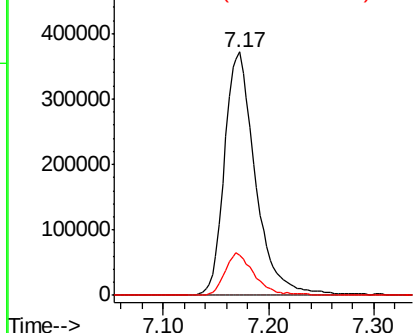


Abundance

Ion 63.10 (62.80 to 63.80): VL0

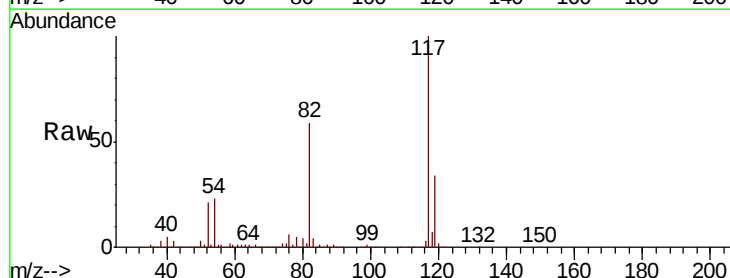
Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2893
 Delta R.T. -0.01 min
 Lab File: VL035934.D
 Acq: 13 Nov 2020 4:30

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.7	50.6	76.0
119	34.2	52.6	78.8#

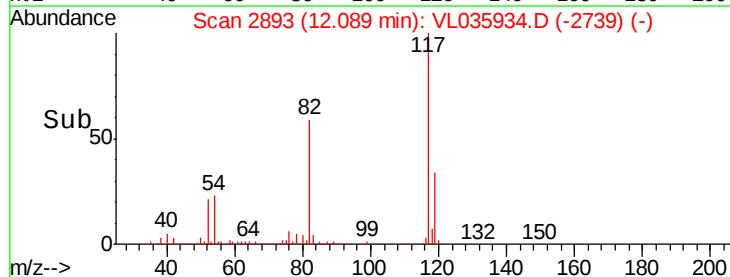
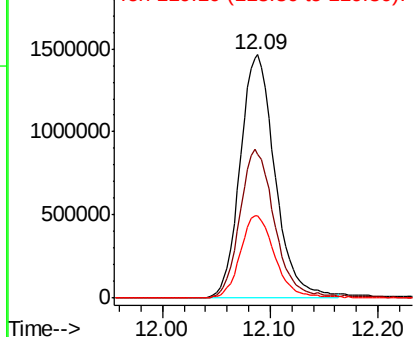


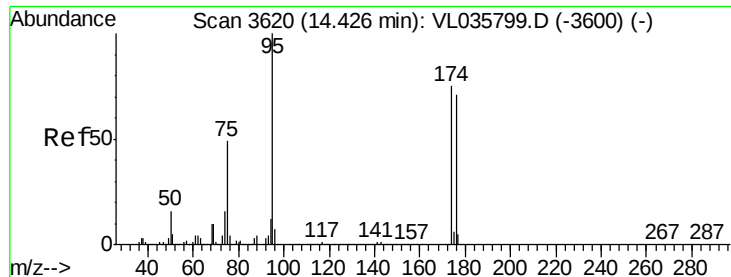
Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.460 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL035934.D

Acq: 13 Nov 2020 4:30

Instrument :

MSVOA_L

ClientSampleId :

LA-6

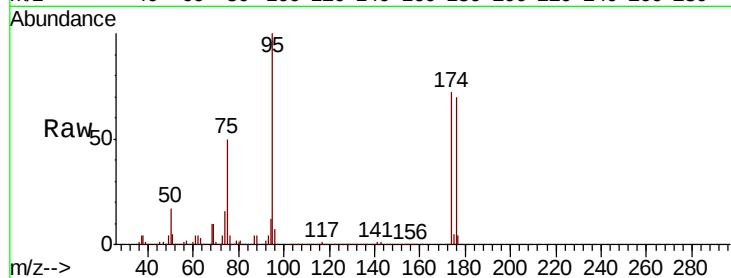
Tot Ion: 95 Resp: 2454149

Ion Ratio Lower Upper

95 100

174 72.3 59.8 89.6

175 5.1 4.3 6.5



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

