

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035854.D
 Acq On : 5 Nov 2020 5:22
 Operator : SY/AP
 Sample : OC102720 CAN 10320
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 05 06:17:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	5.64	49	822054	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	3128288	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	2838136	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2038346	10.11	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

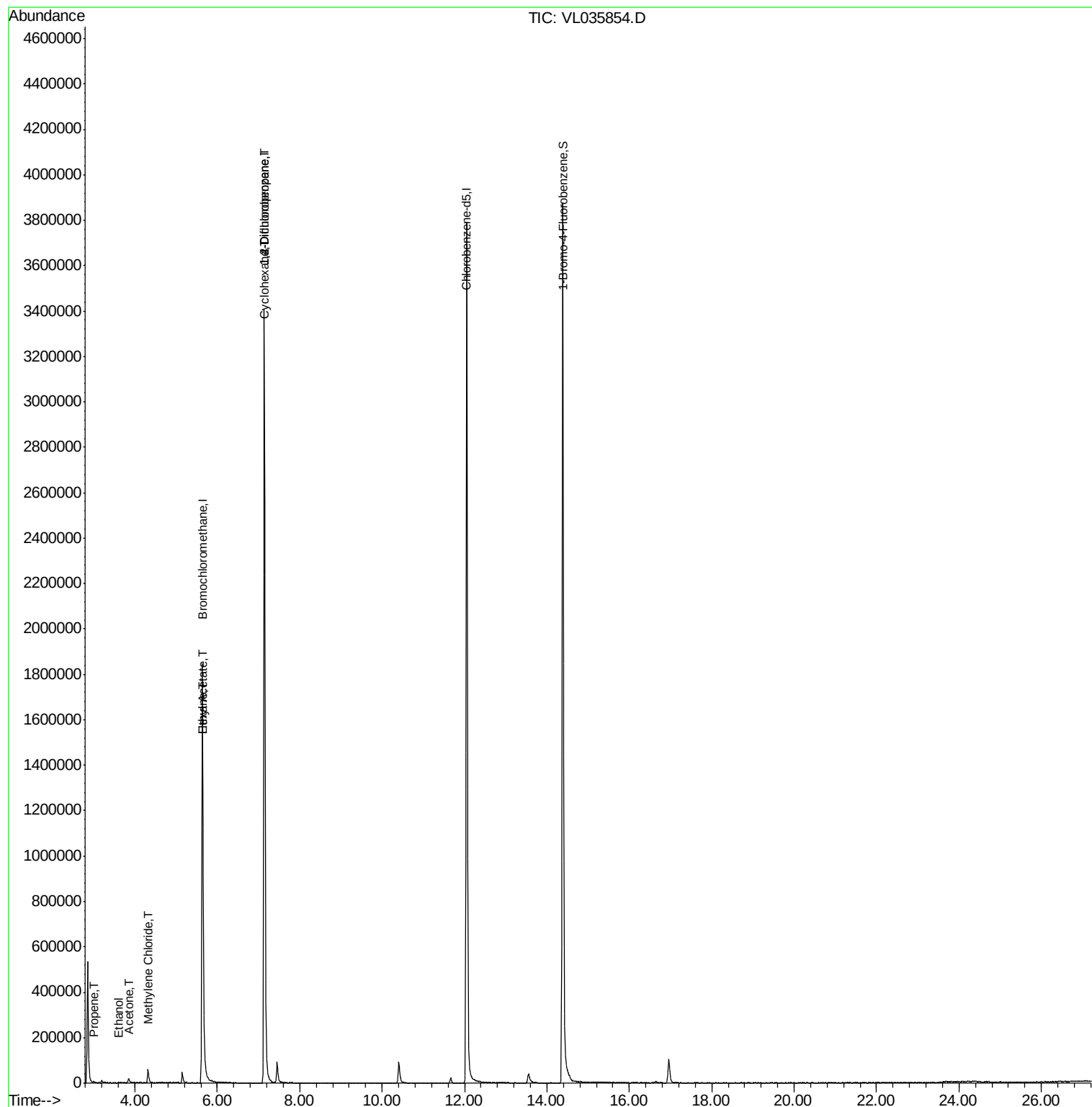
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	1626	0.045	ppbv	94
13) Ethanol	3.59	45	256	0.033	ppbv #	35
15) Acetone	3.84	43	16512	0.188	ppbv #	1
20) Methylene Chloride	4.31	84	19296	0.312	ppbv	95
25) Ethyl Acetate	5.66	43	7873	0.045	ppbv #	71
26) Hexane	5.66	57	7041	0.074	ppbv #	25
30) Cyclohexane	7.13	84	3320	0.032	ppbv #	6
39) 1,2-Dichloropropane	7.14	63	614711	7.851	ppbv #	30

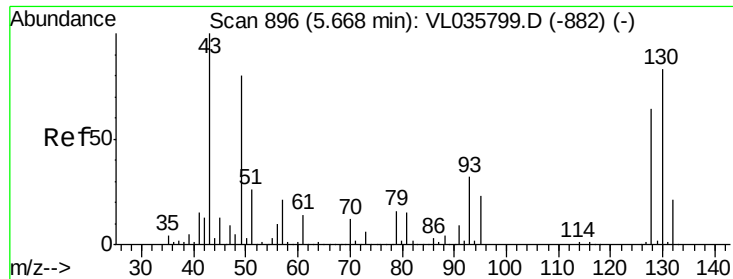
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.03 min

Lab File: VL035854.D

Acq: 5 Nov 2020 5:22

Instrument :

MSVOA_L

ClientSampled :

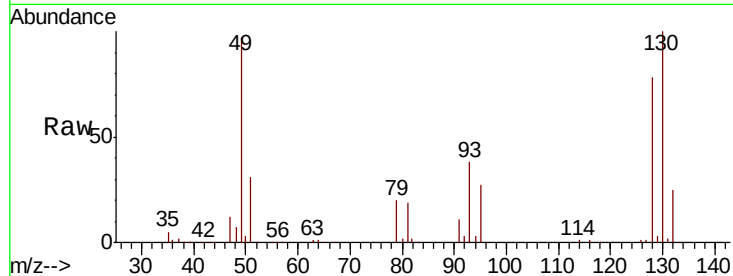
Tot Ion: 49 Resp: 822054

Ion Ratio Lower Upper

49 100

128 81.2 41.5 124.6

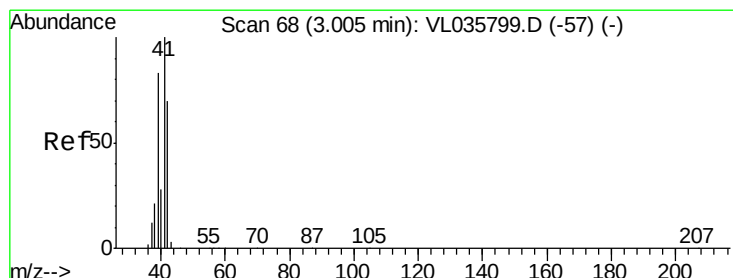
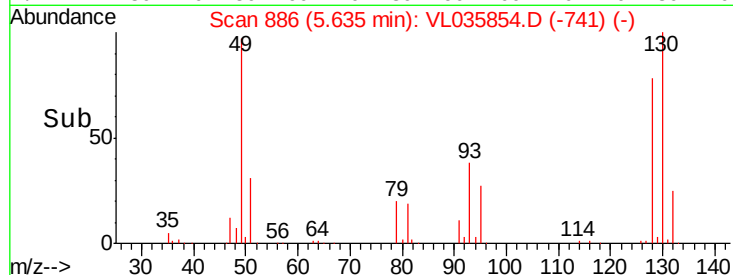
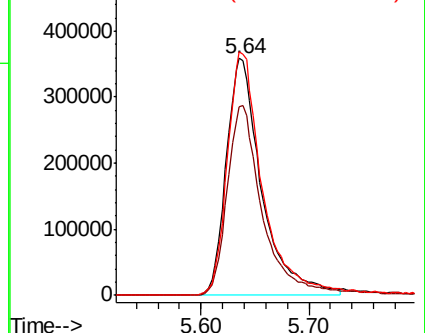
130 105.3 53.7 161.1



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



#9

Propene

Concen: 0.045 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL035854.D

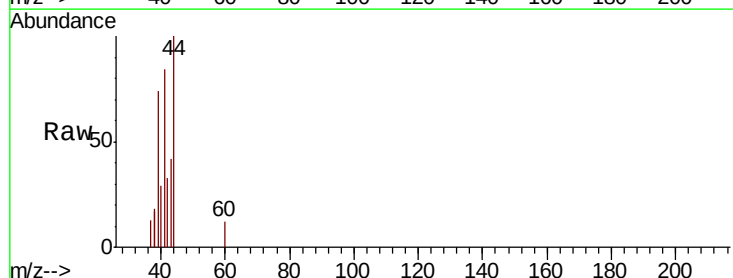
Acq: 5 Nov 2020 5:22

Tgt Ion: 41 Resp: 1626

Ion Ratio Lower Upper

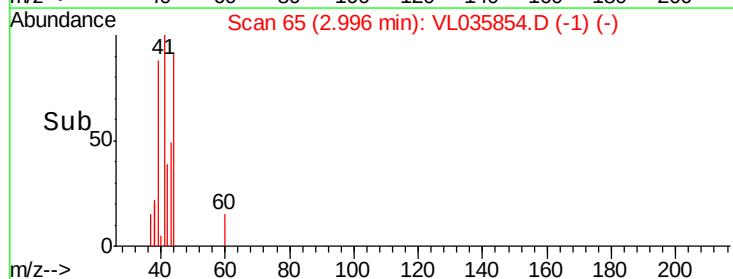
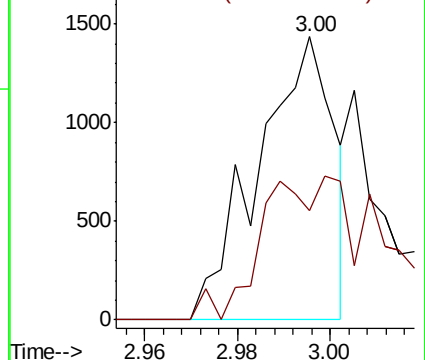
41 100

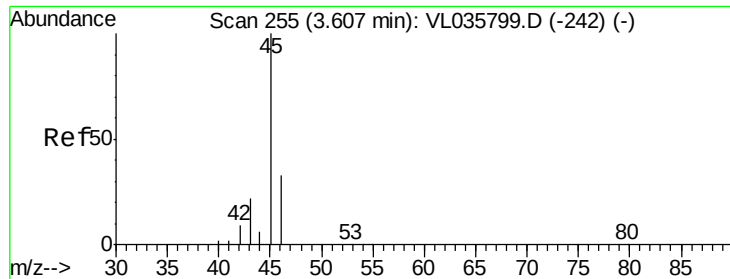
42 75.0 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

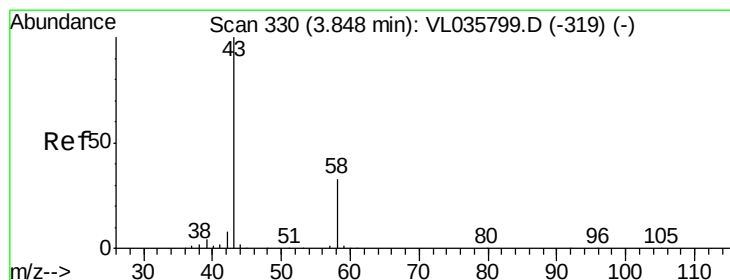
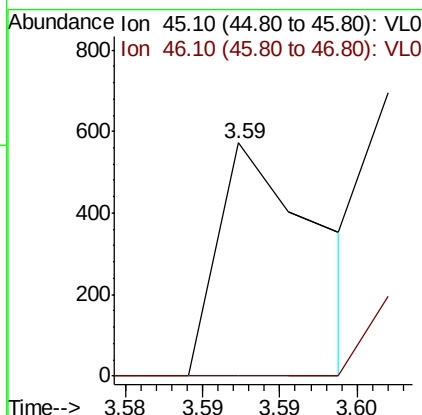
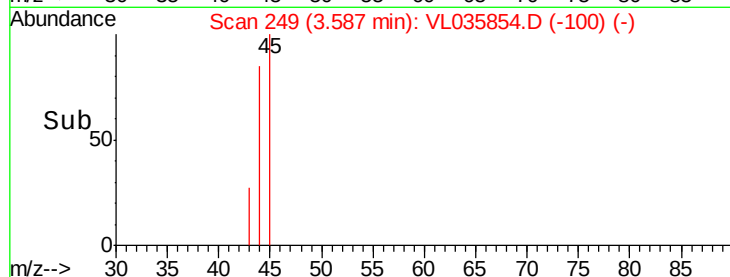
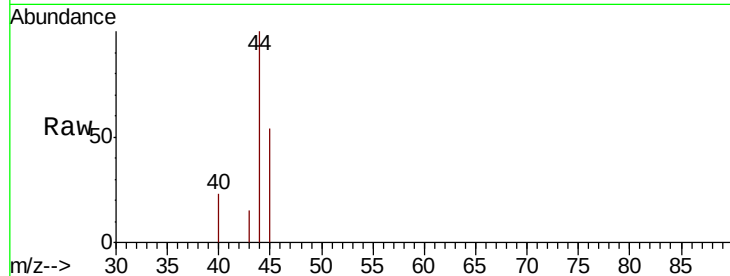




#13
Ethanol
Concen: 0.033 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL035854.D
Acq: 5 Nov 2020 5:22

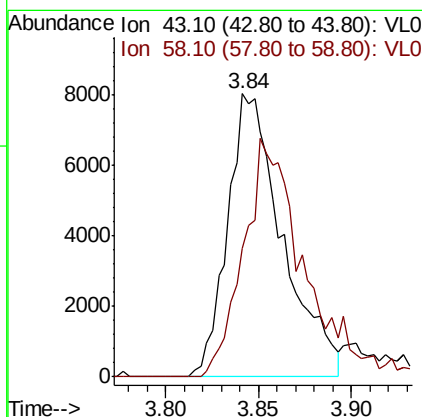
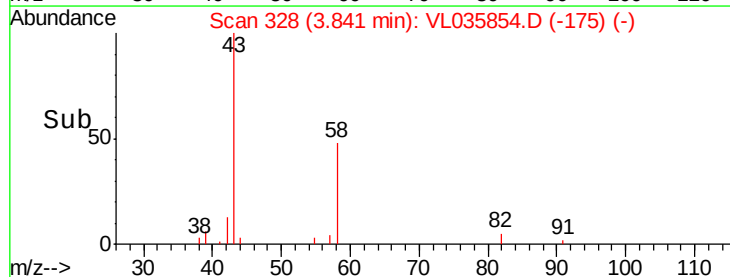
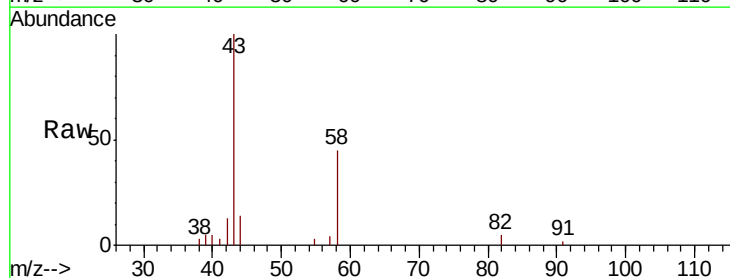
Instrument :
MSVOA_L
ClientSampled :

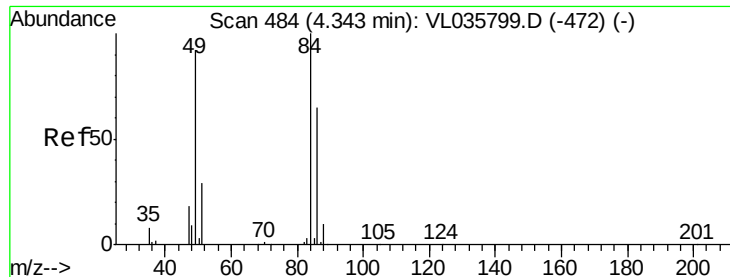
Tot Ion: 45 Resp: 256
Ion Ratio Lower Upper
45 100
46 0.0 16.1 64.5#



#15
Acetone
Concen: 0.188 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL035854.D
Acq: 5 Nov 2020 5:22

Tgt Ion: 43 Resp: 16512
Ion Ratio Lower Upper
43 100
58 95.7 27.5 41.3#

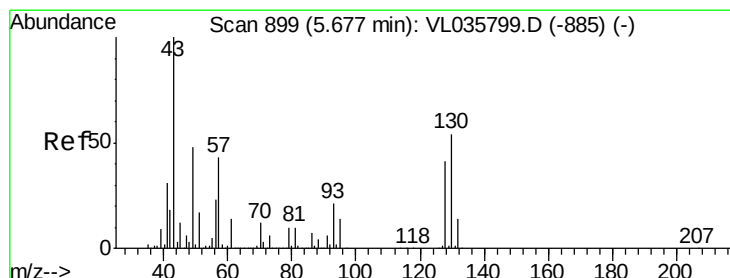
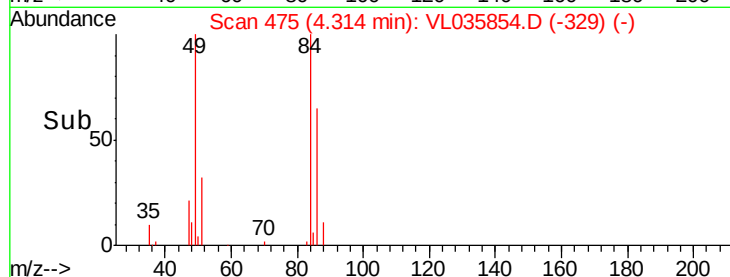
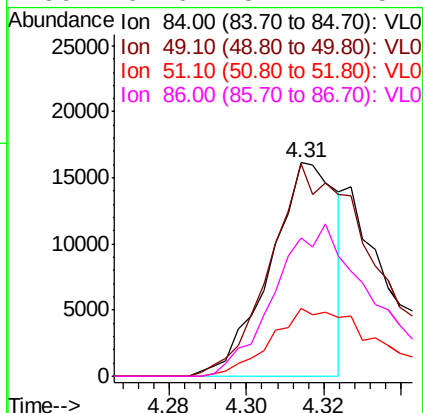
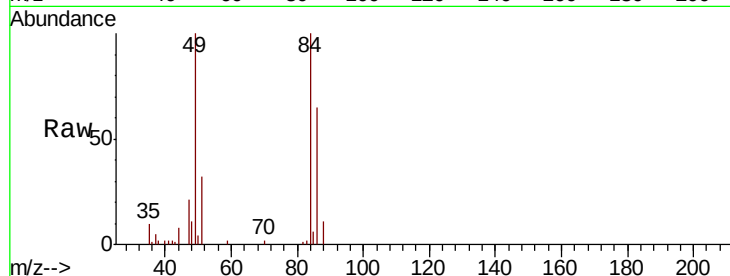




#20
Methylene Chloride
Concen: 0.312 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.03 min
Lab File: VL035854.D
Acq: 5 Nov 2020 5:22

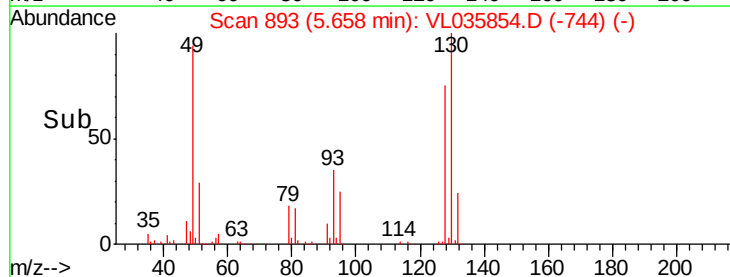
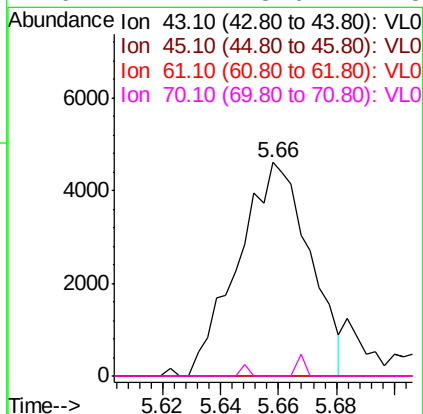
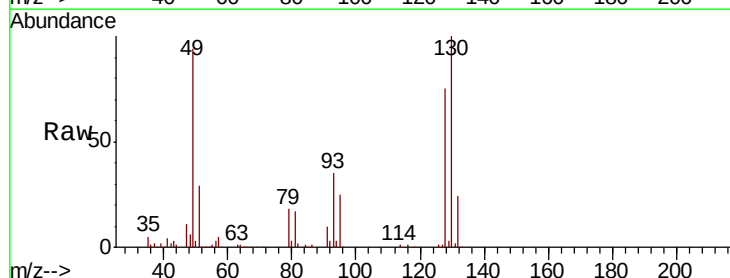
Instrument :
MSVOA_L
ClientSampled :

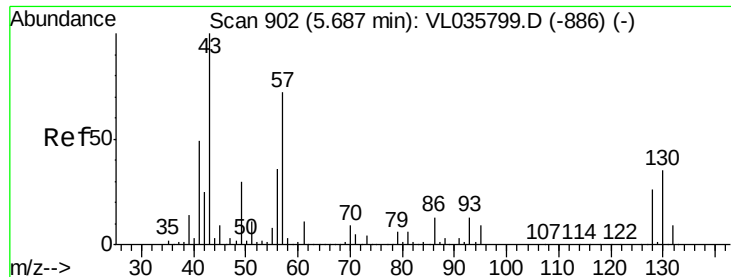
Tot Ion:	84	Resp:	19296
Ion	Ratio	Lower	Upper
84	100		
49	99.5	73.8	110.8
51	32.0	23.0	34.4
86	64.6	52.1	78.1



#25
Ethyl Acetate
Concen: 0.045 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL035854.D
Acq: 5 Nov 2020 5:22

Tgt Ion:	43	Resp:	7873
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.5	12.7#
61	0.0	10.7	16.1#
70	1.7	8.6	12.8#

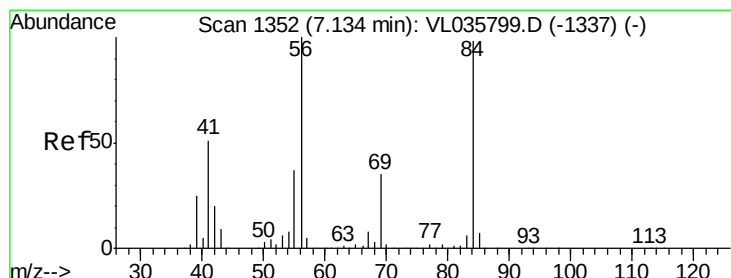
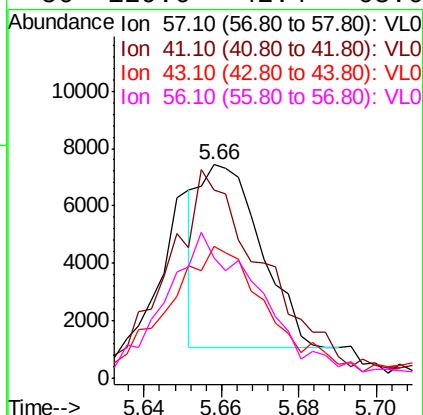
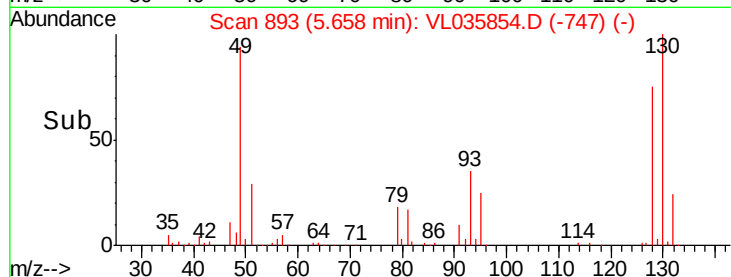
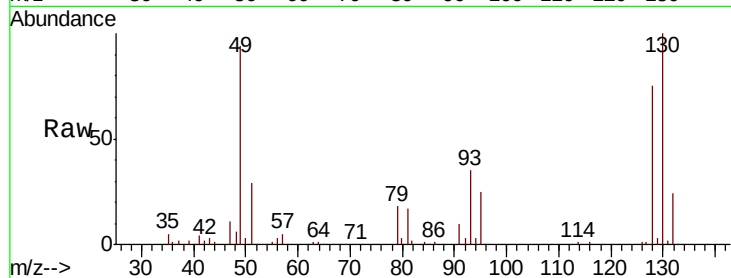




#26
Hexane
Concen: 0.074 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL035854.D
Acq: 5 Nov 2020 5:22

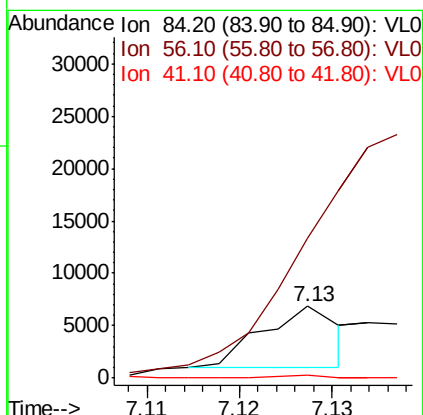
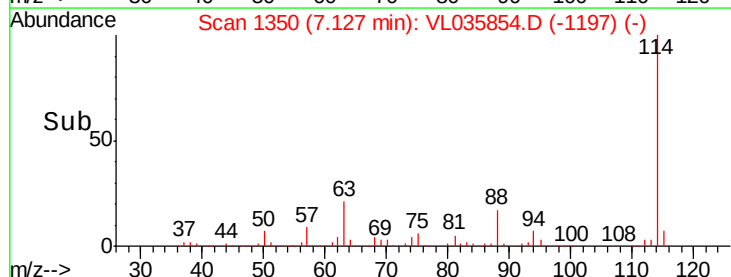
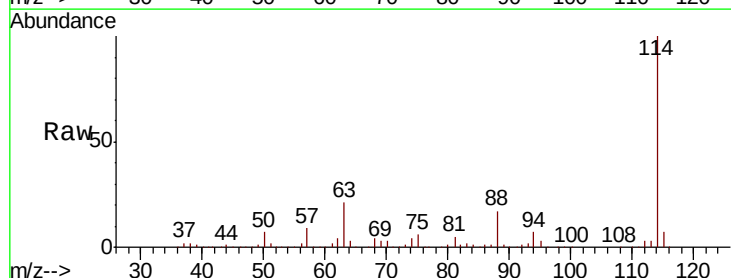
Instrument :
MSVOA_L
ClientSampleId :

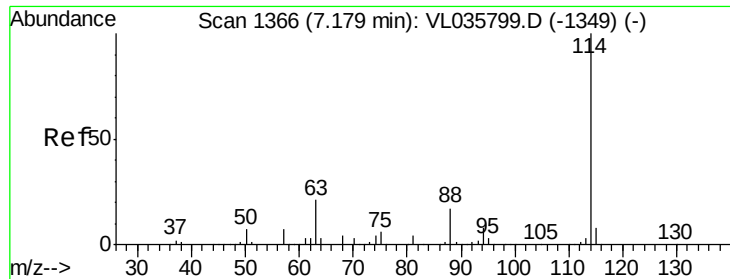
Tot Ion: 57 Resp: 7041
Ion Ratio Lower Upper
57 100
41 191.5 58.9 88.3#
43 129.9 150.2 225.2#
56 129.6 42.4 63.6#



#30
Cyclohexane
Concen: 0.032 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL035854.D
Acq: 5 Nov 2020 5:22

Tgt Ion: 84 Resp: 3320
Ion Ratio Lower Upper
84 100
56 0.0 86.4 129.6#
41 0.0 42.1 63.1#

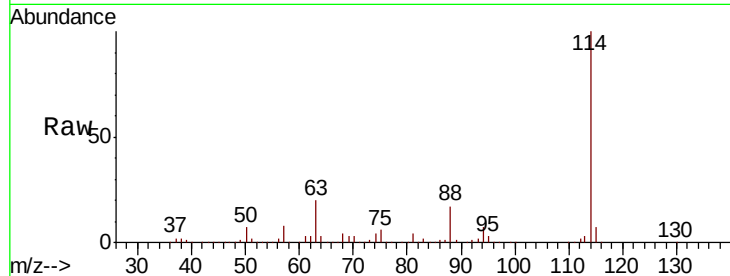




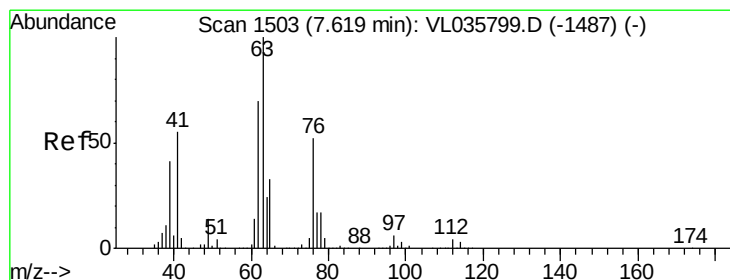
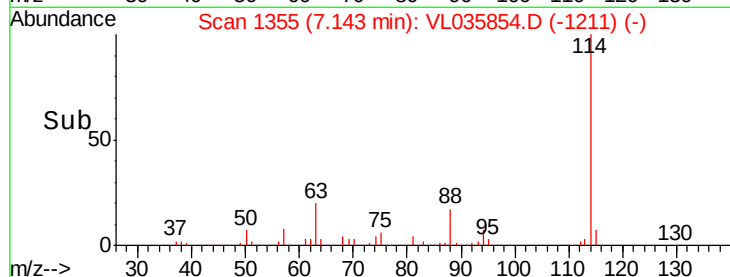
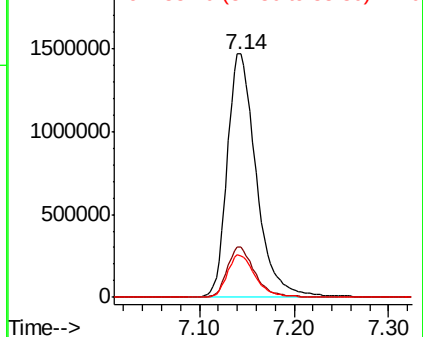
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.04 min
 Lab File: VL035854.D
 Acq: 5 Nov 2020 5:22

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3128288
 Ion Ratio Lower Upper
 114 100
 63 20.0 16.1 24.1
 88 17.0 13.7 20.5

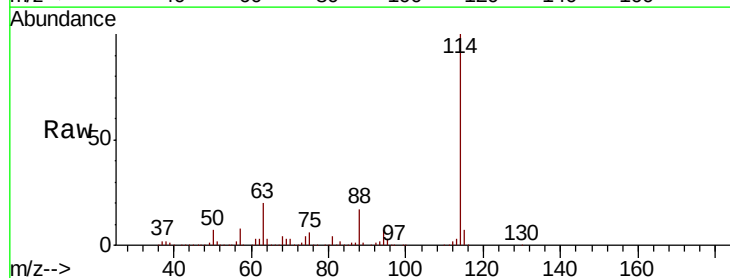


Abundance Ion 114.10 (113.80 to 114.80): V
 2000000 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

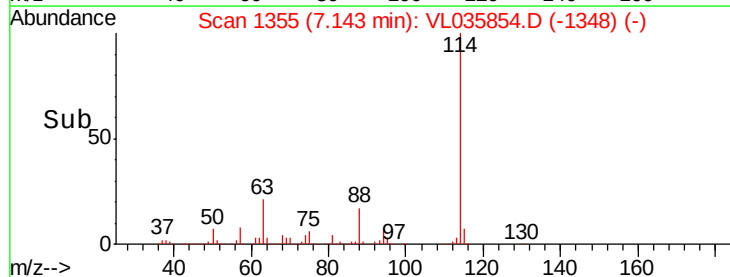
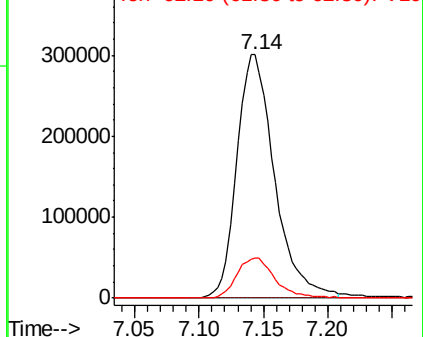


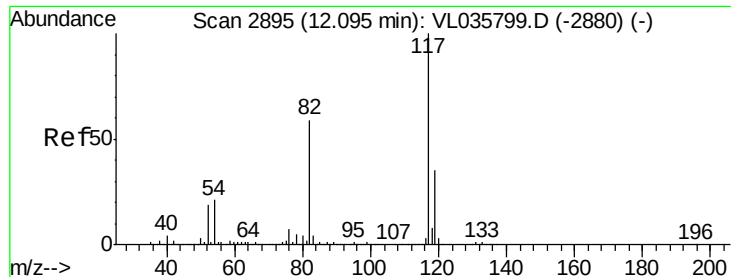
#39
 1,2-Dichloropropane
 Concen: 7.851 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.48 min
 Lab File: VL035854.D
 Acq: 5 Nov 2020 5:22

Tgt Ion: 63 Resp: 614711
 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
 400000 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: 12.05 min Scan# 2882

Delta R.T. -0.04 min

Lab File: VL035854.D

Acq: 5 Nov 2020 5:22

Instrument :

MSVOA_L

ClientSampleId :

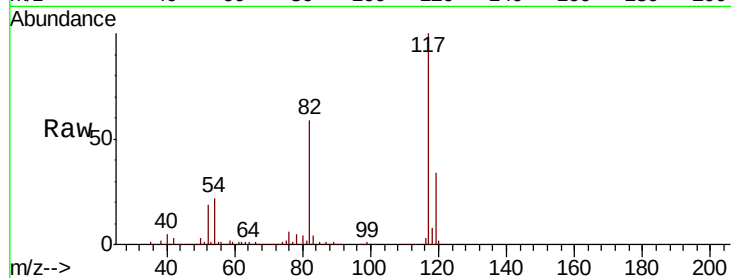
Tot Ion:117 Resp: 2838136

Ion Ratio Lower Upper

117 100

82 59.6 50.6 76.0

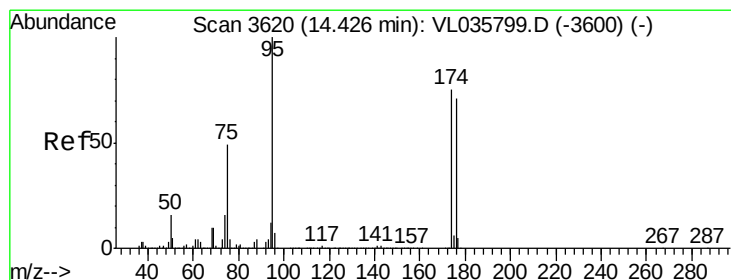
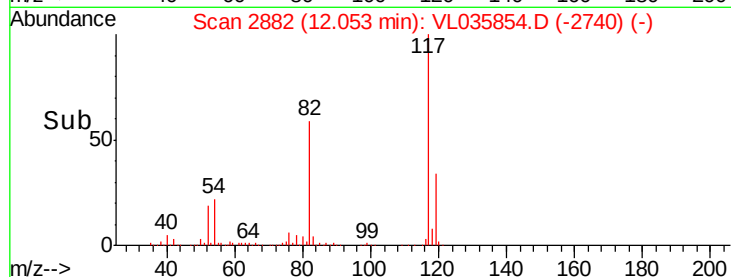
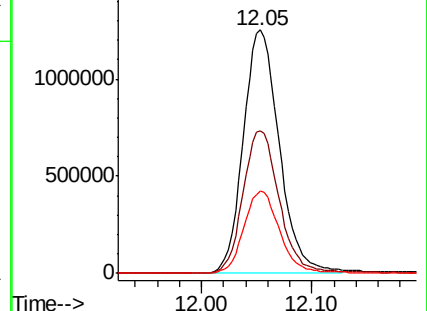
119 34.2 52.6 78.8#



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: 10.109 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.04 min

Lab File: VL035854.D

Acq: 5 Nov 2020 5:22

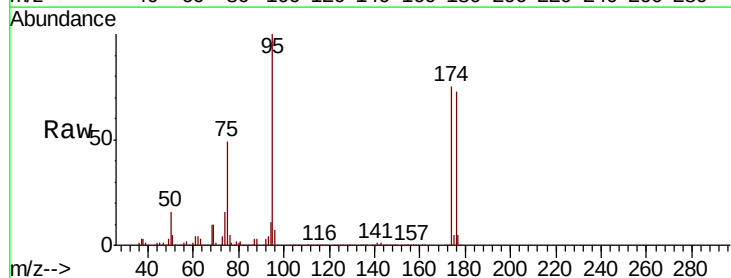
Tgt Ion: 95 Resp: 2038346

Ion Ratio Lower Upper

95 100

174 77.0 59.8 89.6

175 5.4 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

