

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL036018.D
 Acq On : 25 Nov 2020 6:47
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 25 07:54:59 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	5.64	49	1279272	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4740269	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4328824	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3228995	10.50	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

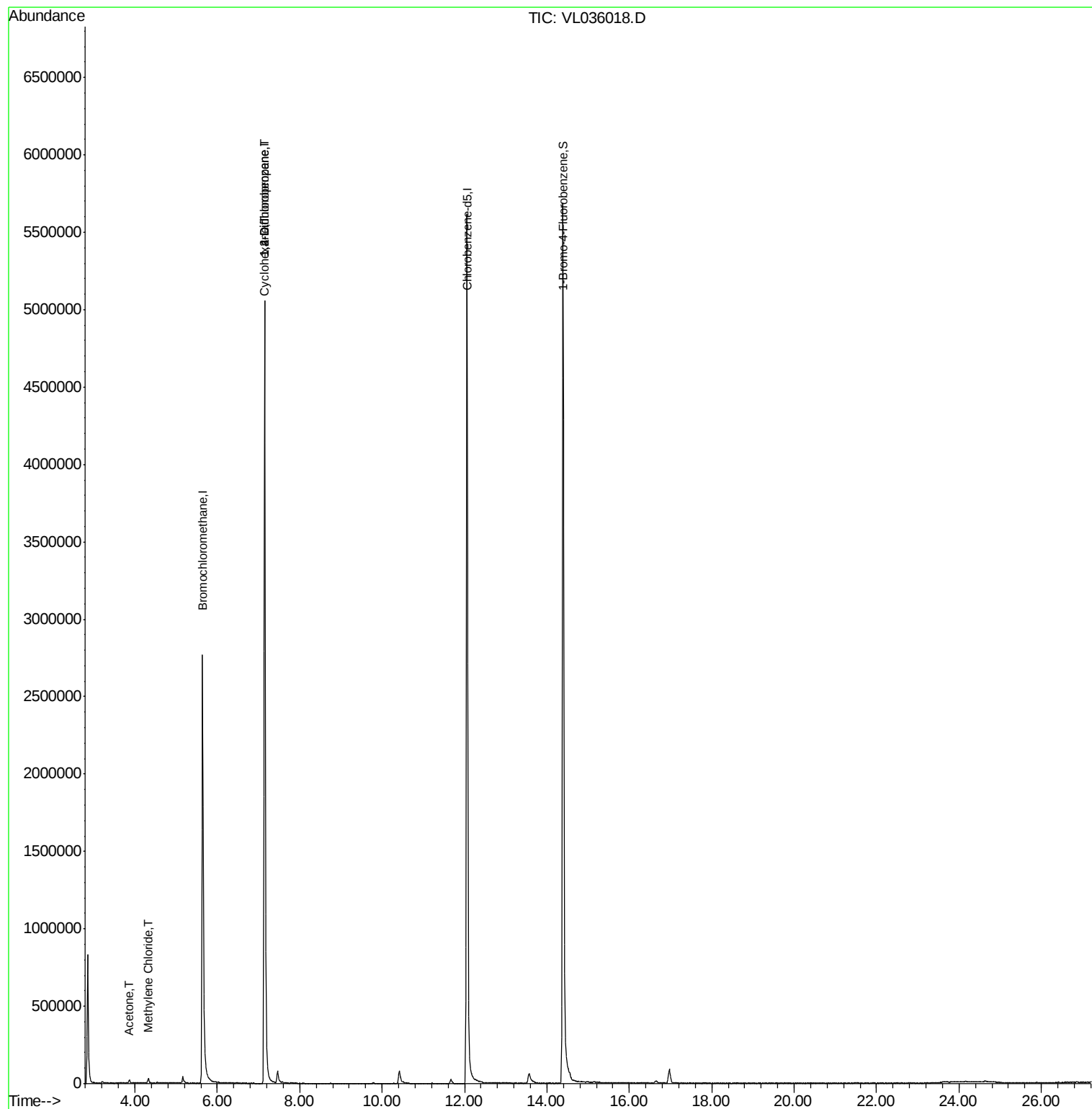
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.85	43	4154	0.030	ppbv #	40
20) Methylene Chloride	4.32	84	11721	0.122	ppbv	95
30) Cyclohexane	7.13	84	5943	0.037	ppbv #	6
39) 1,2-Dichloropropane	7.15	63	947001	7.982	ppbv #	30

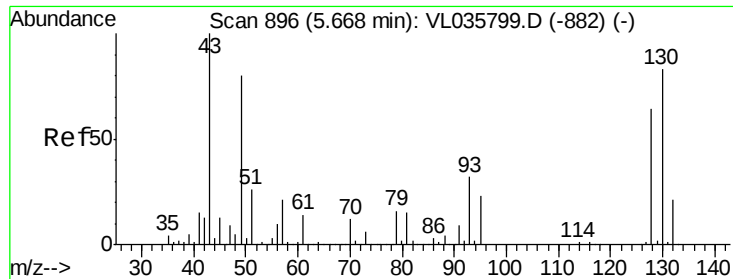
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL036018.D

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Instrument :

MSVOA_L

ClientSampleId :

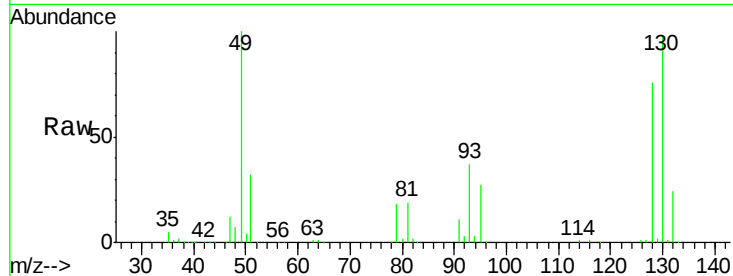
Tot Ion: 49 Resp: 1279272

Ion Ratio Lower Upper

49 100

128 81.1 41.5 124.6

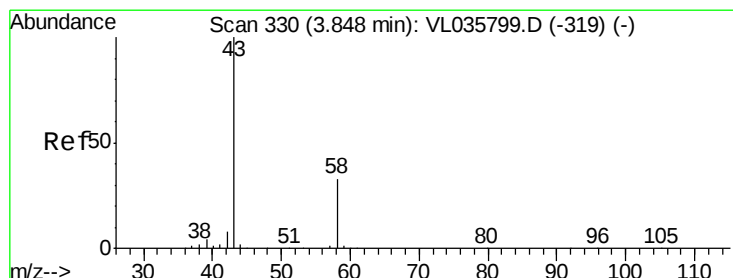
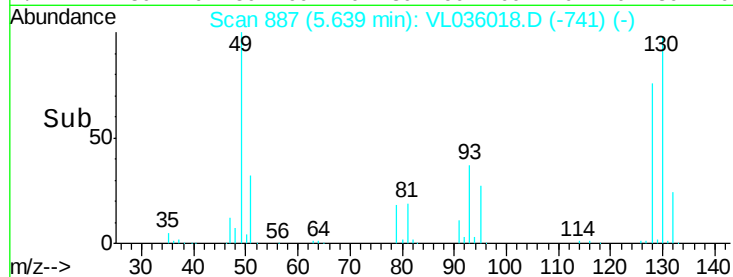
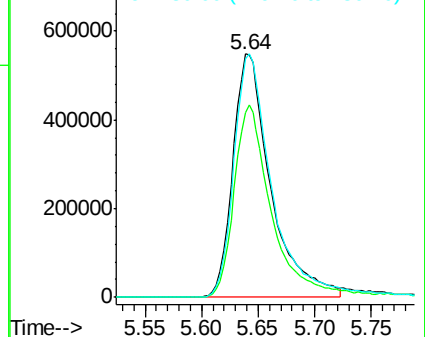
130 103.1 53.7 161.1



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



#15

Acetone

Concen: 0.030 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL036018.D

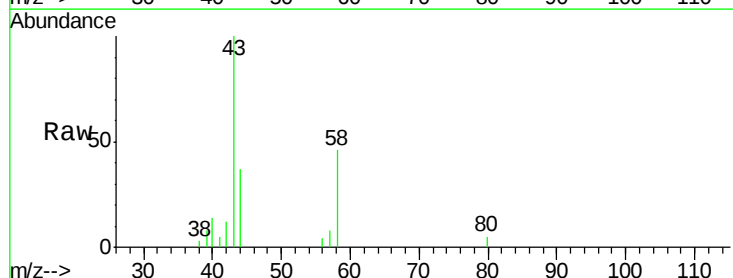
Acq: 25 Nov 2020 6:47

Tgt Ion: 43 Resp: 4154

Ion Ratio Lower Upper

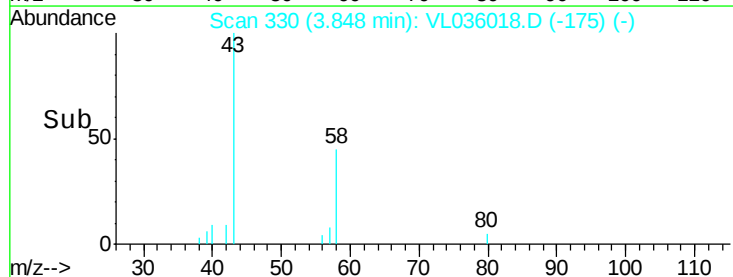
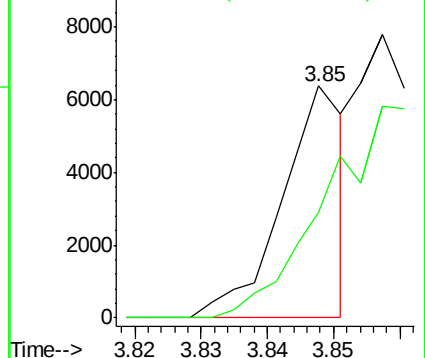
43 100

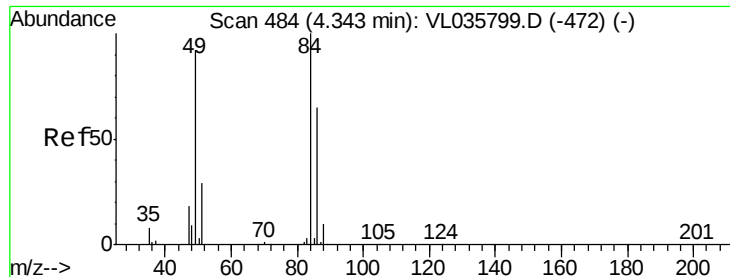
58 0.0 27.5 41.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

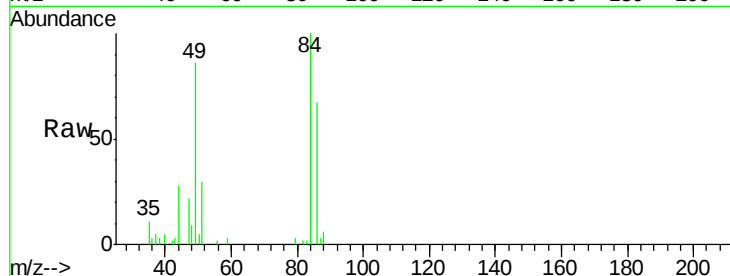




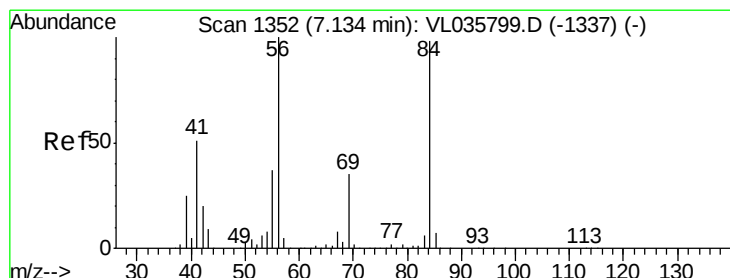
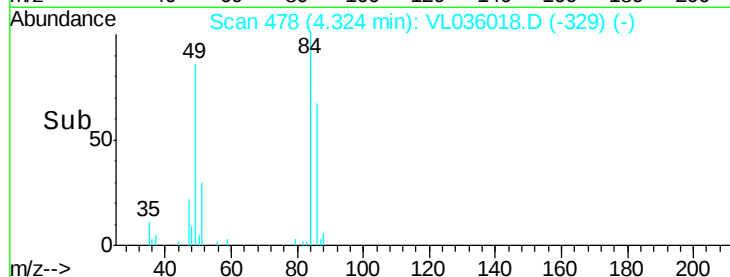
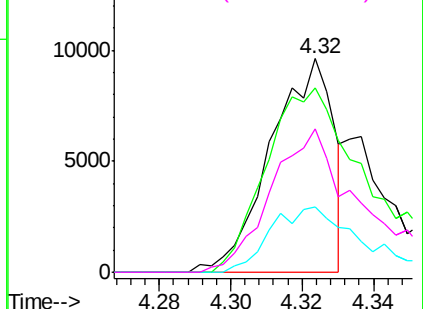
#20
Methvlene Chloride
Concen: 0.122 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL036018.D
Acq: 25 Nov 2020 6:47

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:	84	Resp:	11721
Ion	Ratio	Lower	Upper
84	100		
49	86.1	73.8	110.8
51	30.5	23.0	34.4
86	66.9	52.1	78.1

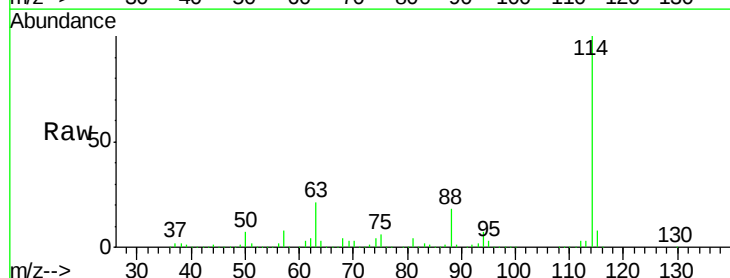


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

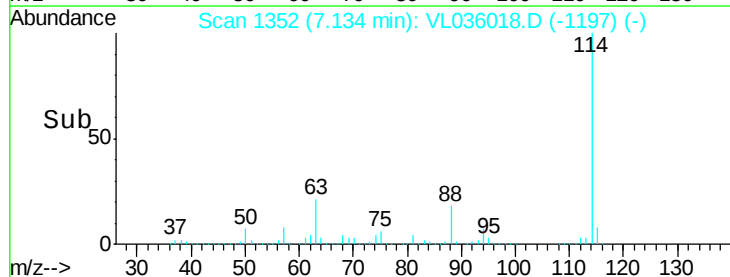
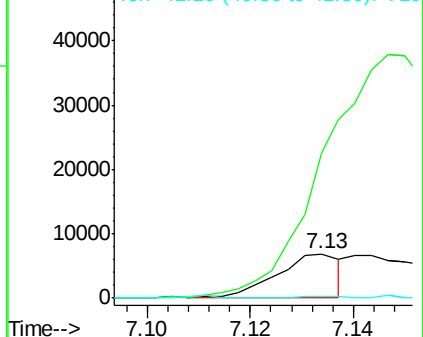


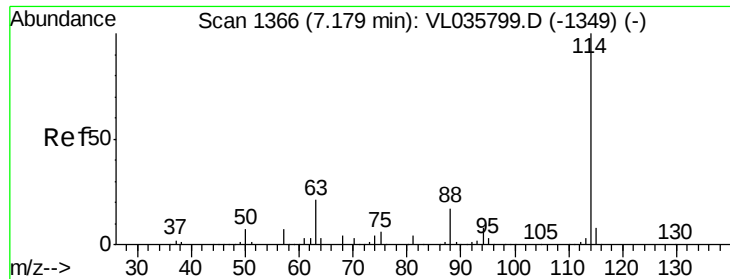
#30
Cyclohexane
Concen: 0.037 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL036018.D
Acq: 25 Nov 2020 6:47

Tgt Ion:	84	Resp:	5943
Ion	Ratio	Lower	Upper
84	100		
56	0.0	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

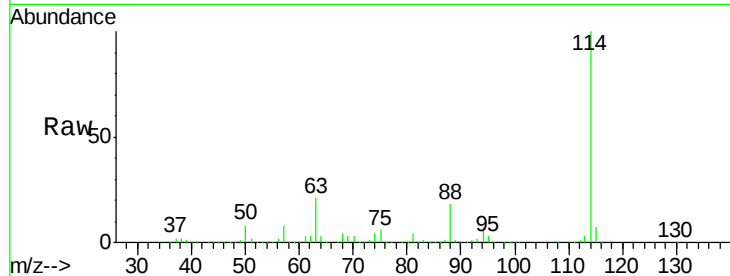




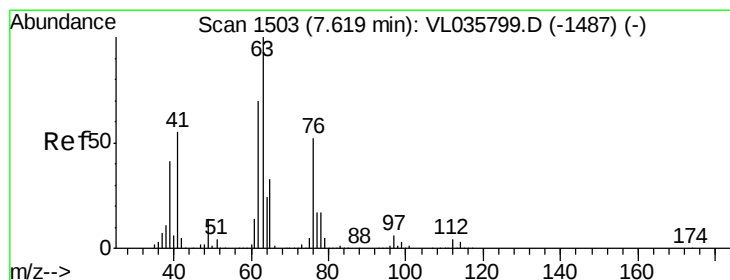
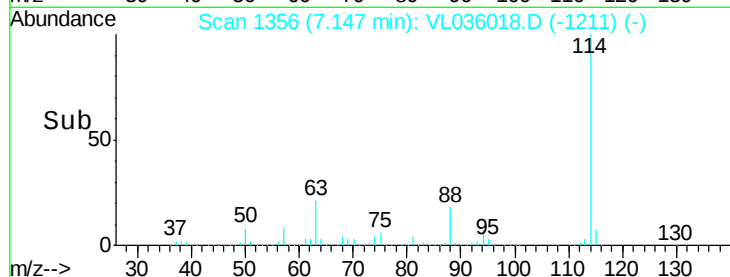
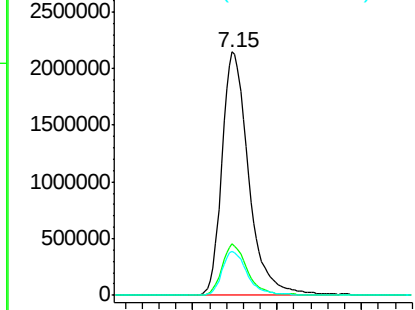
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.03 min
 Lab File: VL036018.D
 Acq: 25 Nov 2020 6:47

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4740269
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.1 24.1
 88 17.4 13.7 20.5

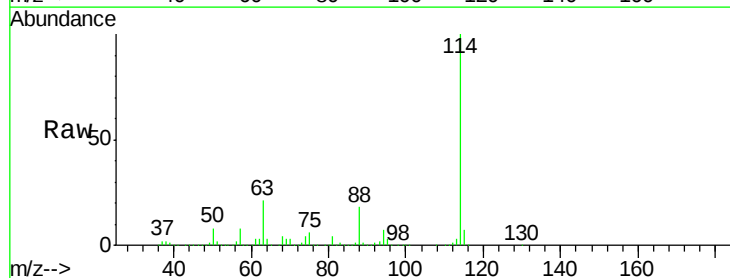


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

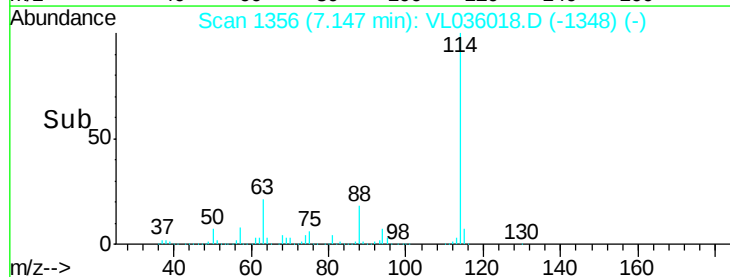
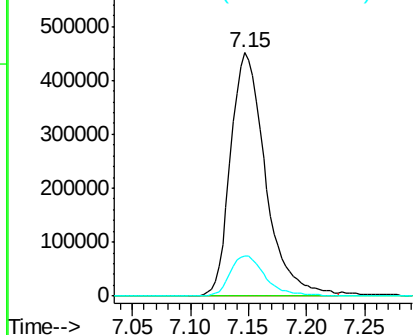


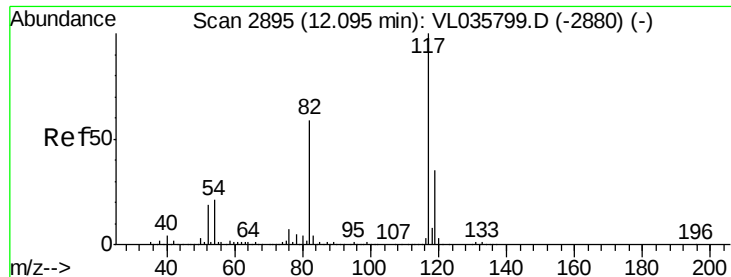
#39
 1,2-Dichloropropane
 Concen: 7.982 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.47 min
 Lab File: VL036018.D
 Acq: 25 Nov 2020 6:47

Tgt Ion: 63 Resp: 947001
 Ion Ratio Lower Upper
 63 100
 41 0.1 43.8 65.6#
 62 16.4 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

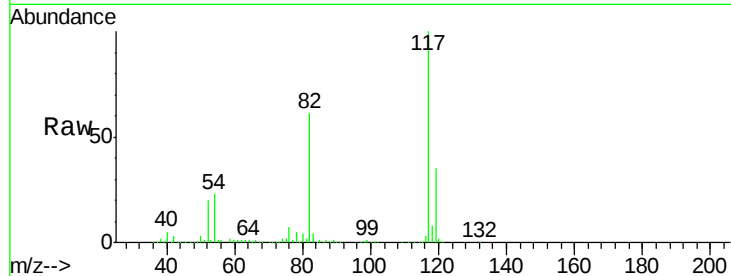




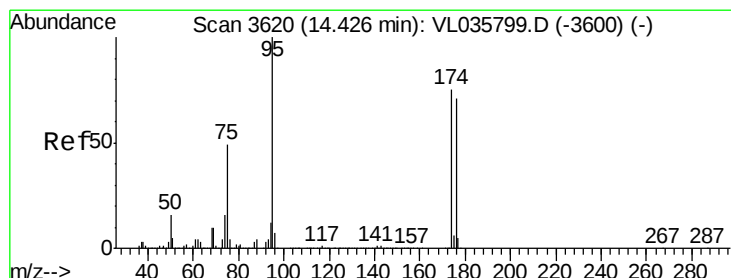
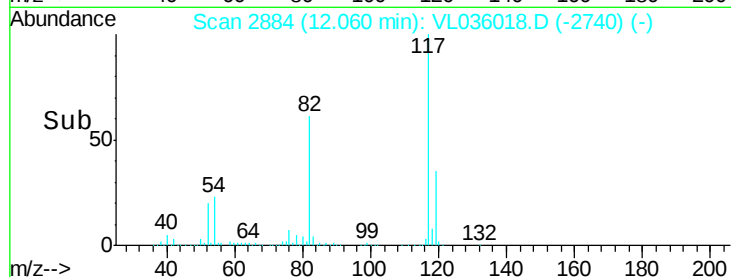
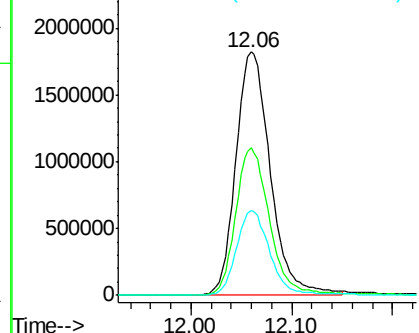
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.04 min
Lab File: VL036018.D
Acq: 25 Nov 2020 6:47

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 4328824
Ion Ratio Lower Upper
117 100
82 61.0 50.6 76.0
119 34.4 52.6 78.8#

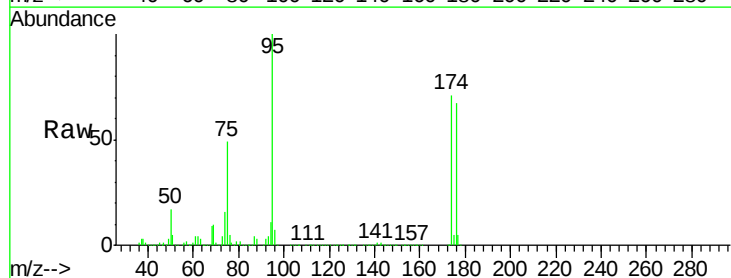


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.499 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.04 min
Lab File: VL036018.D
Acq: 25 Nov 2020 6:47

Tgt Ion: 95 Resp: 3228995
Ion Ratio Lower Upper
95 100
174 72.4 59.8 89.6
175 5.1 4.3 6.5



Abundance Ion 95.10 (94.80 to 95.80): V
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

