

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070219\
 Data File : VL033999.D
 Acq On : 3 Jul 2019 00:38
 Operator : SY/AP
 Sample : OC070119 CAN 10296
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 03 04:34:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1117782	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2891548	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	2831097	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	2197747	9.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.00%

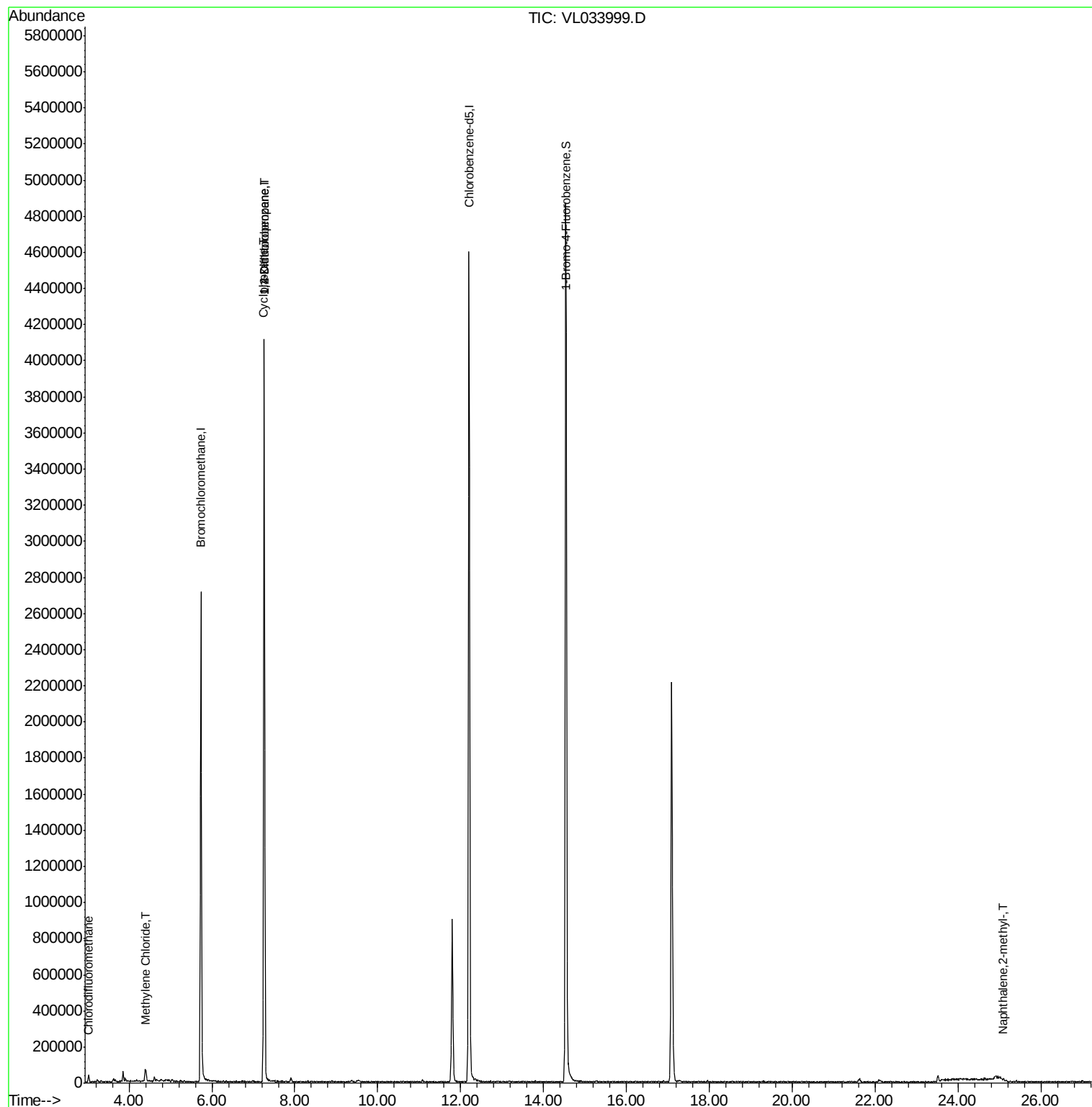
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.00	51	4239	0.031	ppbv #	91
20) Methylene Chloride	4.38	84	5630	0.069	ppbv	94
30) Cyclohexane	7.25	84	4429	0.049	ppbv #	1
39) 1,2-Dichloropropane	7.26	63	716554	8.517	ppbv #	26
80) Naphthalene,2-methyl-	25.08	142	6569	0.053	ppbv	94

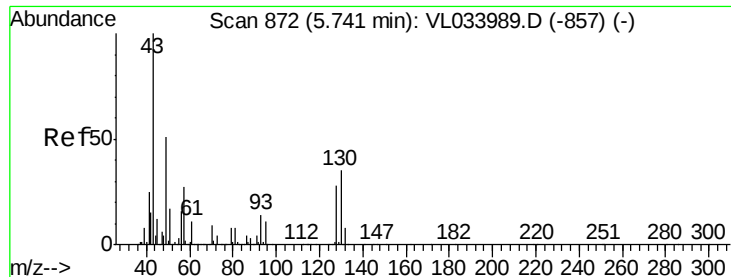
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 869

Delta R.T. -0.01 min

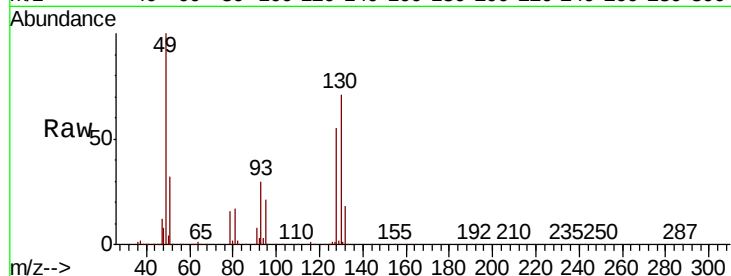
Lab File: VL033999.D

Acq: 3 Jul 2019 00:38

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1117782

Ion	Ratio	Lower	Upper
49	100		
128	57.3	27.9	83.6
130	73.3	35.8	107.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

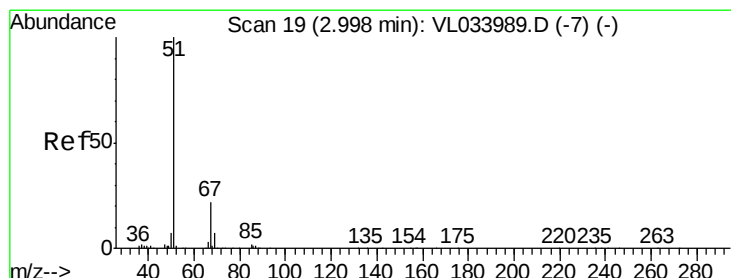
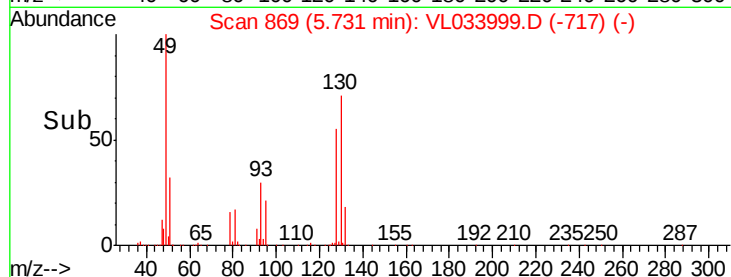
Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.73

Time-->

5.65 5.70 5.75 5.80



#3

Chlorodifluoromethane

Concen: 0.031 ppbv

RT: 3.00 min Scan# 19

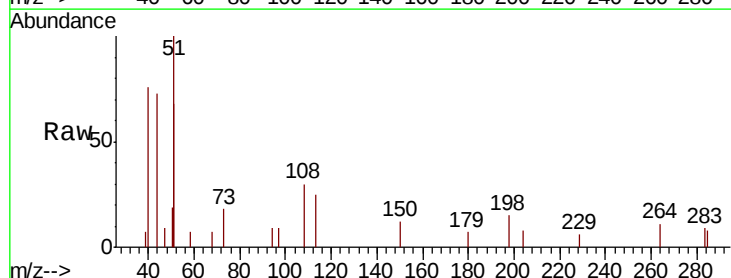
Delta R.T. -0.00 min

Lab File: VL033999.D

Acq: 3 Jul 2019 00:38

Tgt Ion: 51 Resp: 4239

Ion	Ratio	Lower	Upper
51	100		
67	17.2	17.3	25.9#



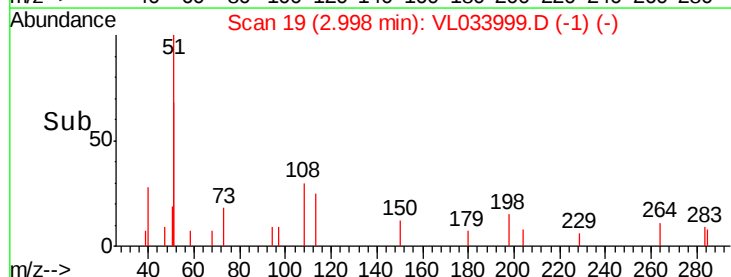
Abundance Ion 51.00 (50.70 to 51.70): VL0

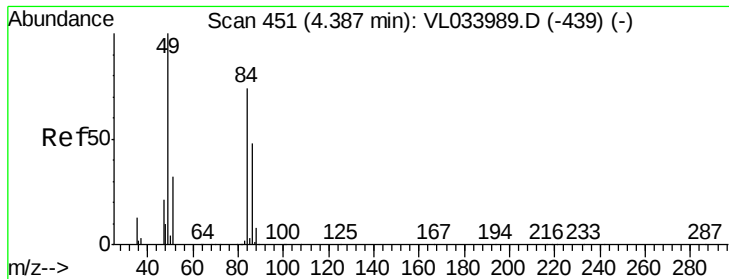
Ion 67.00 (66.70 to 67.70): VL0

3.00

Time-->

2.95 3.00 3.05





#20

Methvlene Chloride

Concen: 0.069 ppbv

RT: 4.38 min Scan# 449

Delta R.T. -0.01 min

Lab File: VL033999.D

Acq: 3 Jul 2019 00:38

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 5630

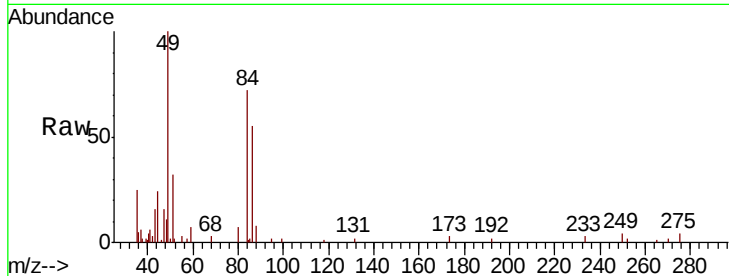
Ion	Ratio	Lower	Upper
84	100		
49	128.5	107.6	161.4
51	43.8	35.0	52.6
86	75.1	52.1	78.1

84 100

49 128.5 107.6 161.4

51 43.8 35.0 52.6

86 75.1 52.1 78.1



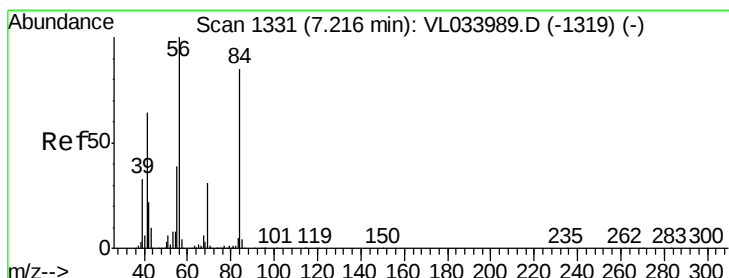
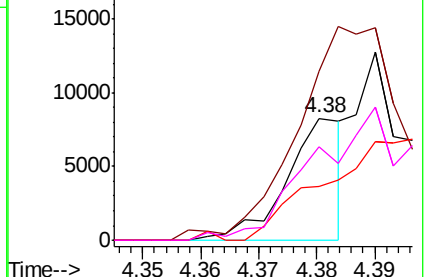
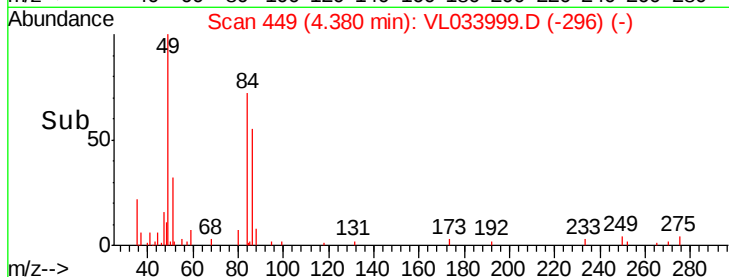
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

Time-->



#30

Cyclohexane

Concen: 0.049 ppbv

RT: 7.25 min Scan# 1340

Delta R.T. 0.03 min

Lab File: VL033999.D

Acq: 3 Jul 2019 00:38

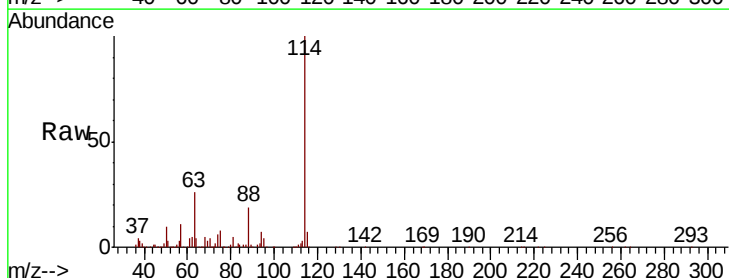
Tgt Ion: 84 Resp: 4429

Ion	Ratio	Lower	Upper
84	100		
56	0.0	103.7	155.5#
41	7.4	62.6	94.0#

84 100

56 0.0 103.7 155.5#

41 7.4 62.6 94.0#

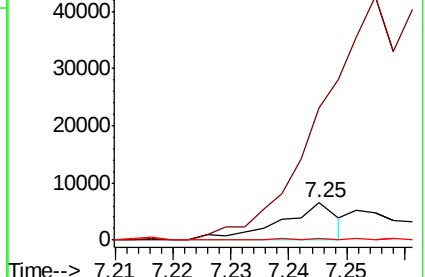
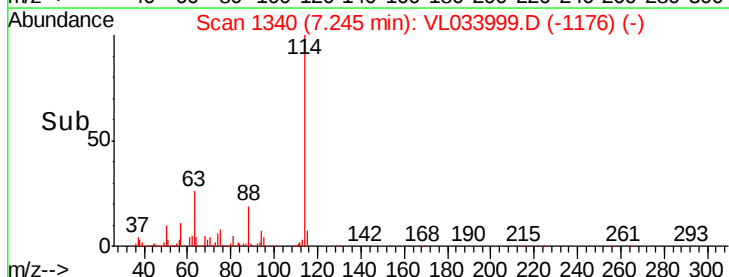


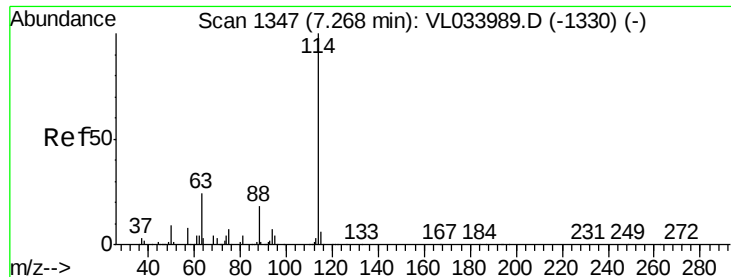
Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Time-->

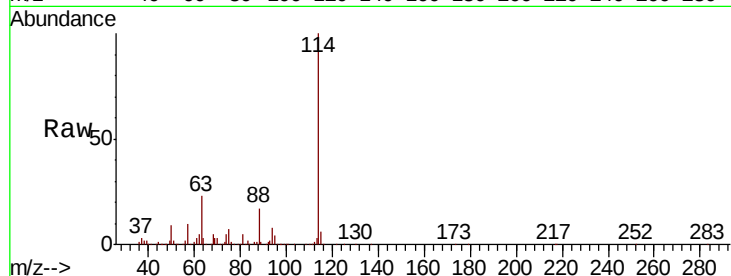




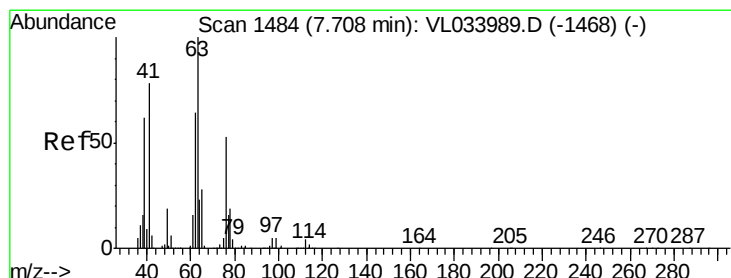
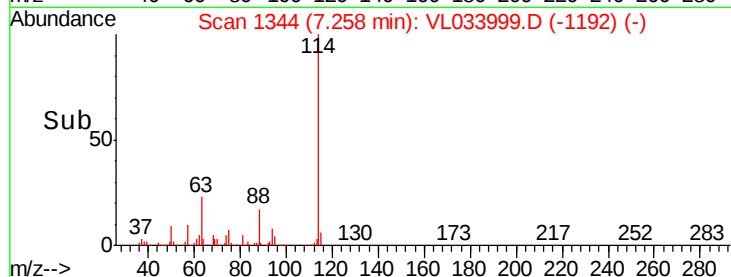
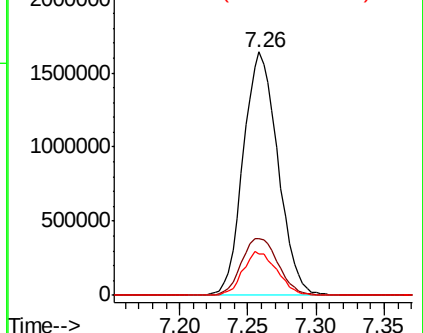
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VL033999.D
 Acq: 3 Jul 2019 00:38

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2891548
 Ion Ratio Lower Upper
 114 100
 63 24.9 20.2 30.2
 88 17.7 14.1 21.1

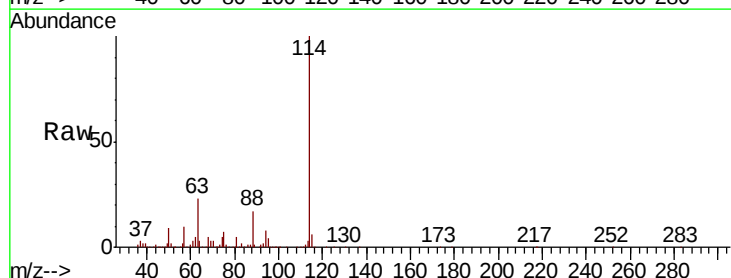


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

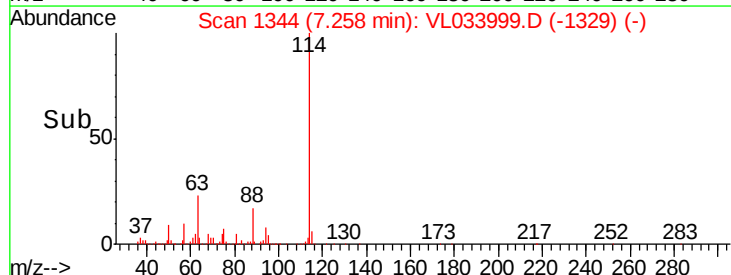
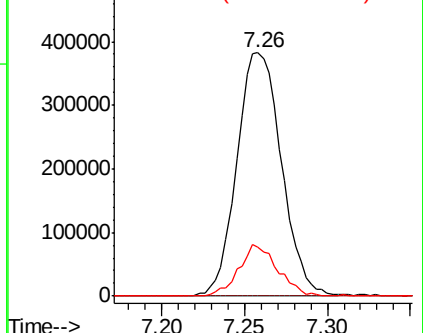


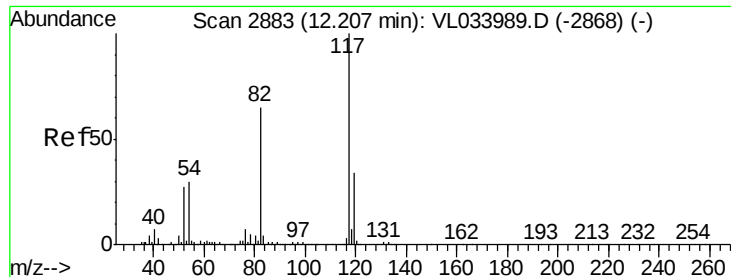
#39
 1,2-Dichloropropane
 Concen: 8.517 ppbv
 RT: 7.26 min Scan# 1344
 Delta R.T. -0.45 min
 Lab File: VL033999.D
 Acq: 3 Jul 2019 00:38

Tgt Ion: 63 Resp: 716554
 Ion Ratio Lower Upper
 63 100
 41 0.1 62.3 93.5#
 62 20.4 51.4 77.2#



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

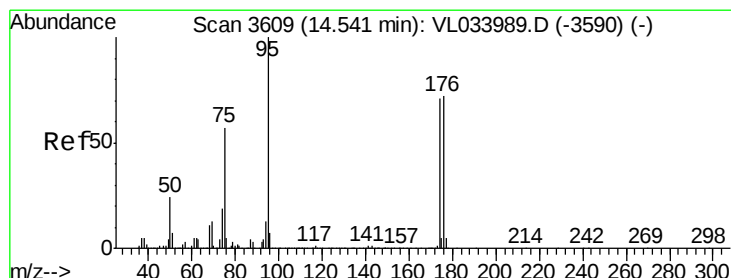
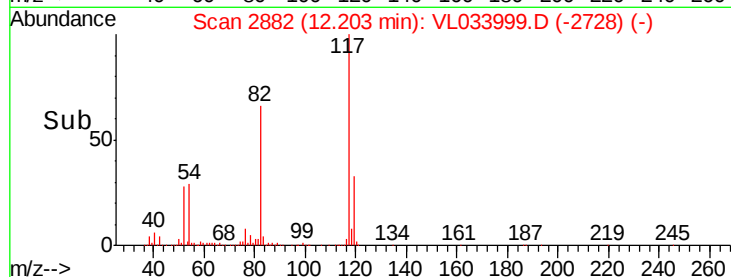
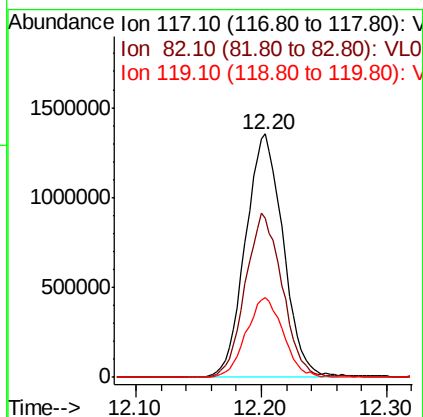
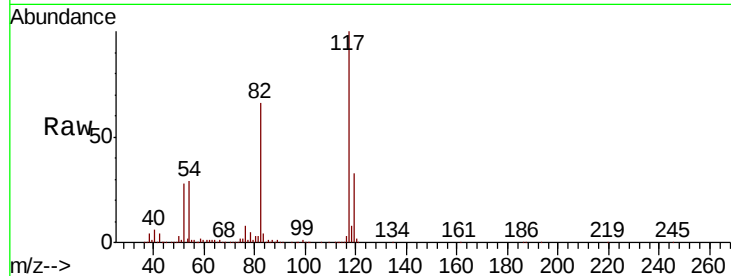




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.20 min Scan# 2882
Delta R.T. -0.00 min
Lab File: VL033999.D
Acq: 3 Jul 2019 00:38

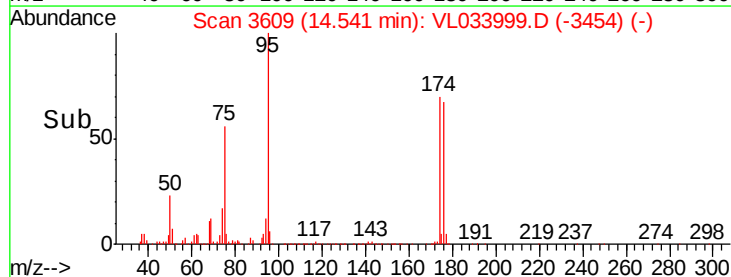
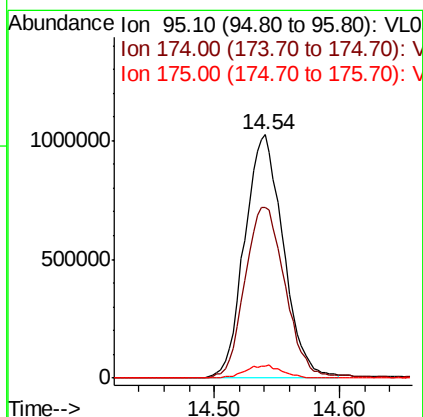
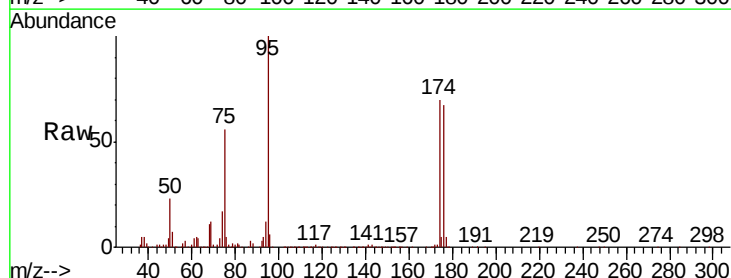
Instrument :
MSVOA_L
ClientSampleId :

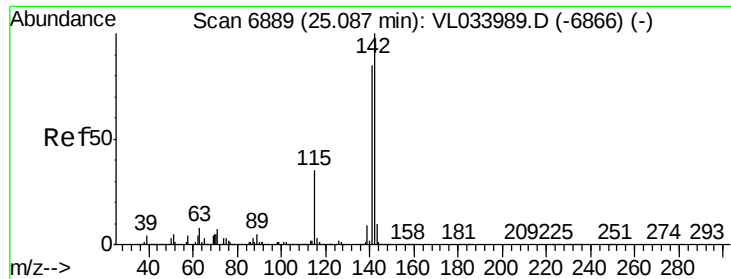
Tot Ion:117 Resp: 2831097
Ion Ratio Lower Upper
117 100
82 66.2 50.8 76.2
119 32.5 24.0 36.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.102 ppbv
RT: 14.54 min Scan# 3609
Delta R.T. -0.00 min
Lab File: VL033999.D
Acq: 3 Jul 2019 00:38

Tgt Ion: 95 Resp: 2197747
Ion Ratio Lower Upper
95 100
174 74.3 60.5 90.7
175 5.3 4.0 6.0





#80

Naphthalene, 2-methyl-

Concen: 0.053 ppbv

RT: 25.08 min Scan# 6887

Delta R.T. -0.01 min

Lab File: VL033999.D

Acq: 3 Jul 2019 00:38

Instrument :

MSVOA_L

ClientSampleId :

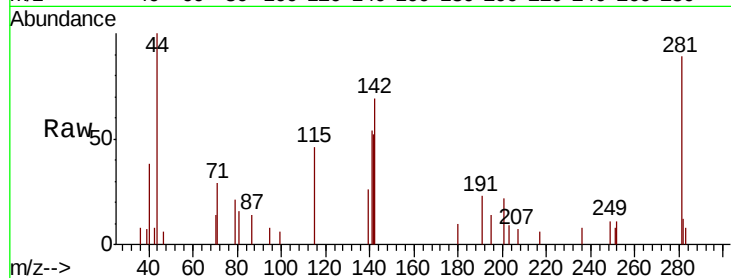
Tot Ion:142 Resp: 6569

Ion Ratio Lower Upper

142 100

141 81.7 68.2 102.2

115 43.6 29.9 44.9



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

