

Data File : VL034784.D
Acq On : 4 Mar 2020 7:13
Operator : SY/AP
Sample : VL00304ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0304ABL01

Quant Time: Mar 04 07:57:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	997791	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.19	114	2018252	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.12	117	2052330	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1709548	9.99	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.93	51	2415	0.021	ppbv #	58
13) Ethanol	3.60	45	550	0.036	ppbv	95
15) Acetone	3.85	43	14639	0.123	ppbv #	49
20) Methylene Chloride	4.33	84	4486	0.105	ppbv #	82
30) Cyclohexane	7.17	84	2942	0.043	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	597668	8.587	ppbv #	24

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

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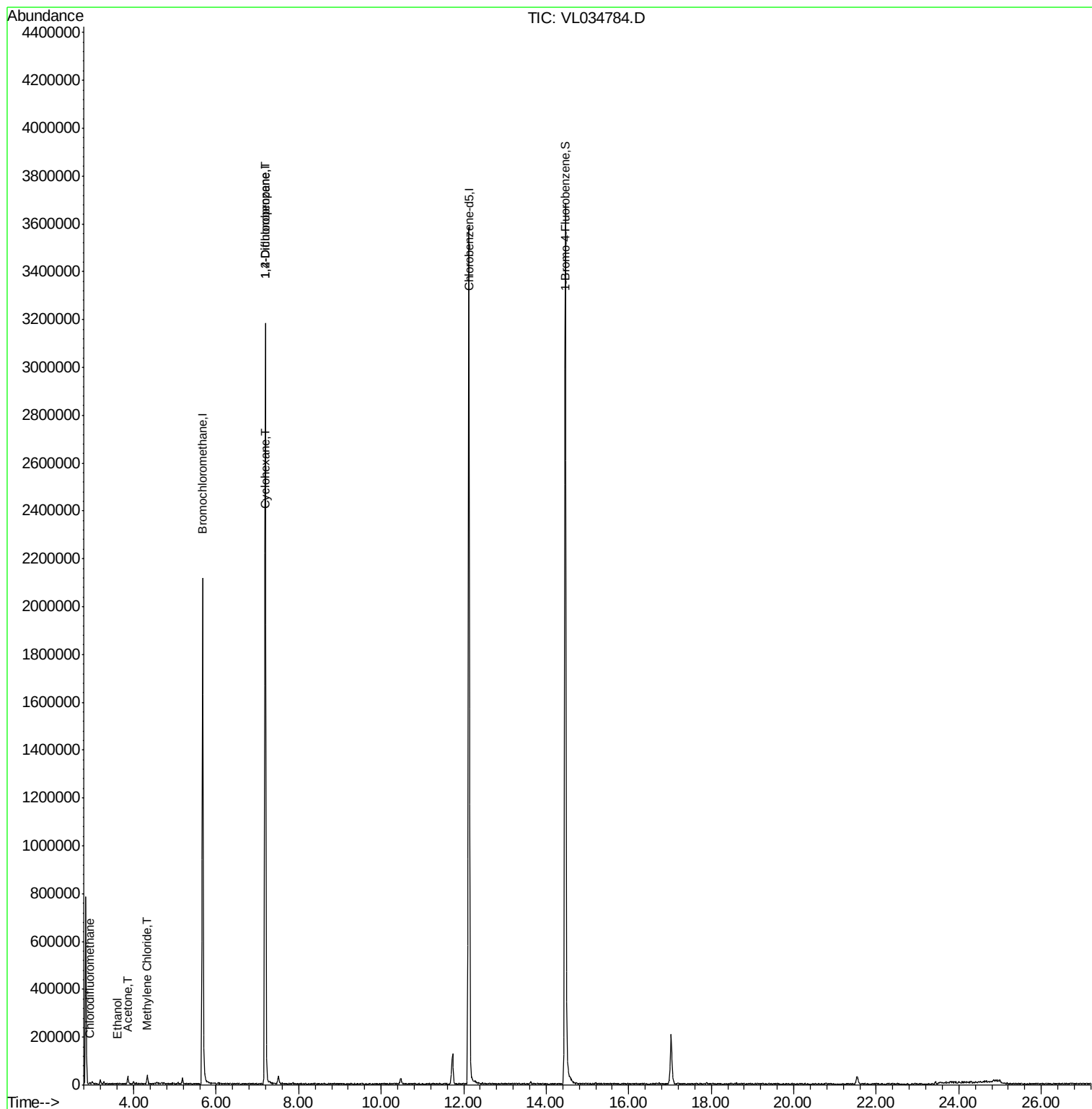
Quant Time: Mar 04 07:57:40 2020

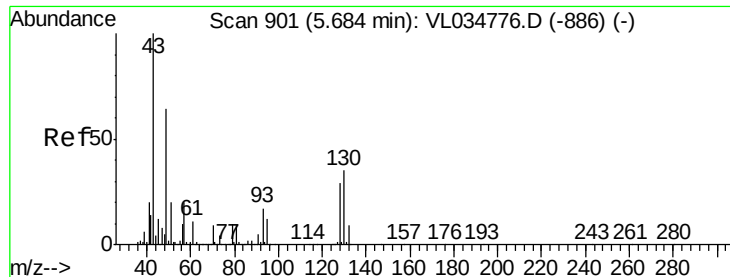
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 04 06:36:39 2020

QLast Update : Wed Mar 04 06:36:39 2020

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

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VL0304ABL01

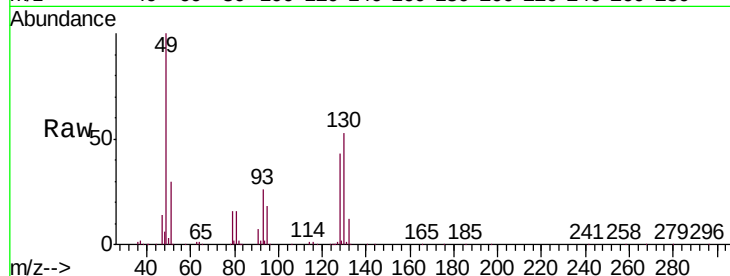
Tgt Ion: 49 Resp: 997791

Ion Ratio Lower Upper

49 100

128 44.6 21.6 64.6

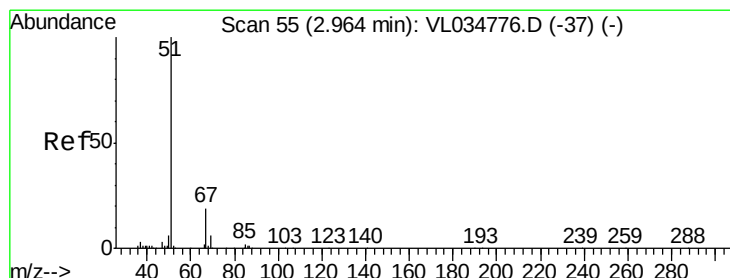
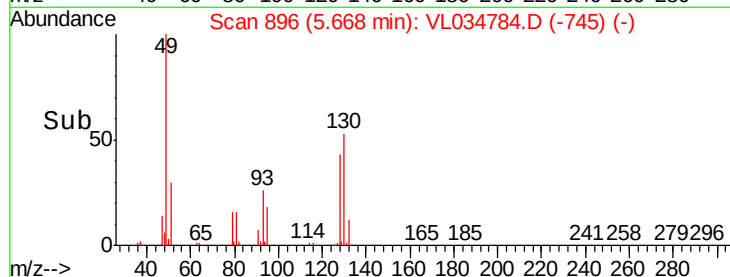
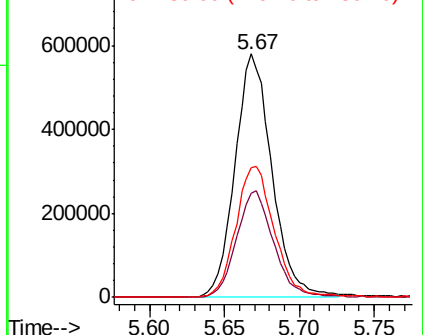
130 56.6 27.4 82.2



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



#3

Chlorodifluoromethane

Concen: 0.021 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.03 min

Lab File: VL034784.D

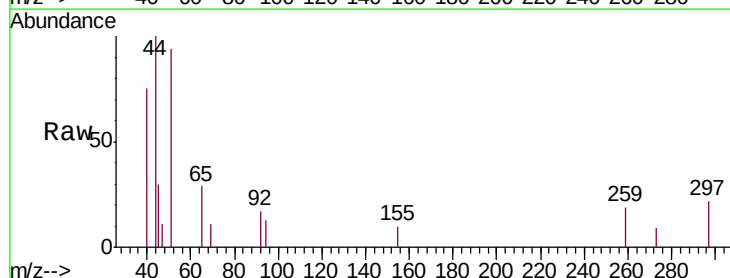
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Tgt Ion: 51 Resp: 2415

Ion Ratio Lower Upper

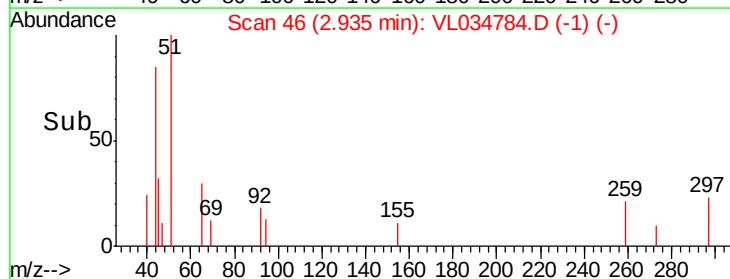
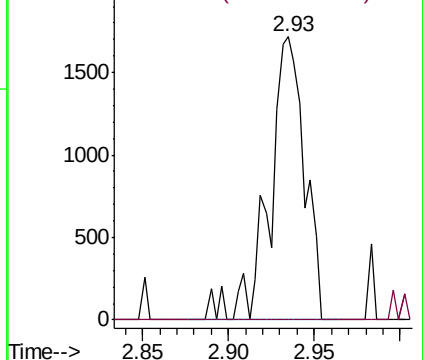
51 100

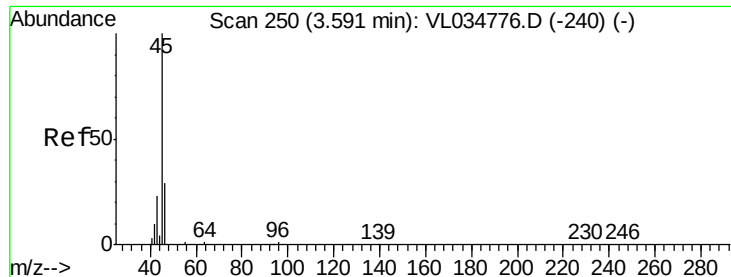
67 0.0 15.3 22.9#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#13

Ethanol

Concen: 0.036 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.01 min

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Instrument :

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ClientSampleId :

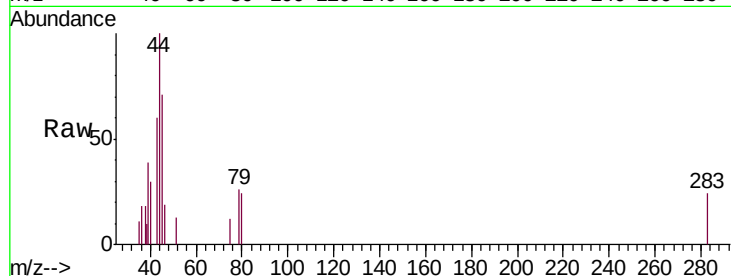
VL0304ABL01

Tgt Ion: 45 Resp: 550

Ion Ratio Lower Upper

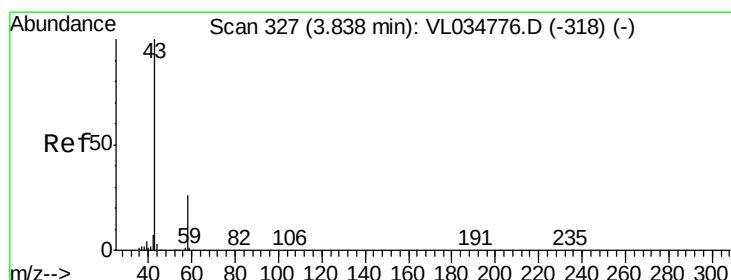
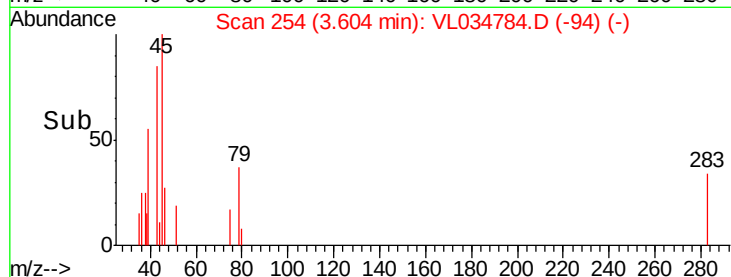
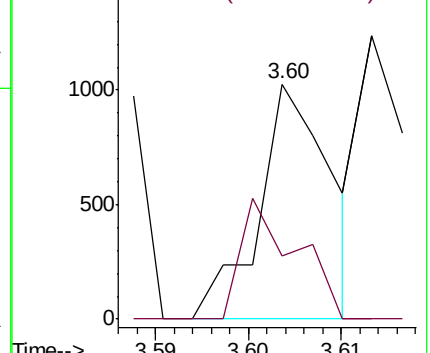
45 100

46 39.6 14.7 58.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.123 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

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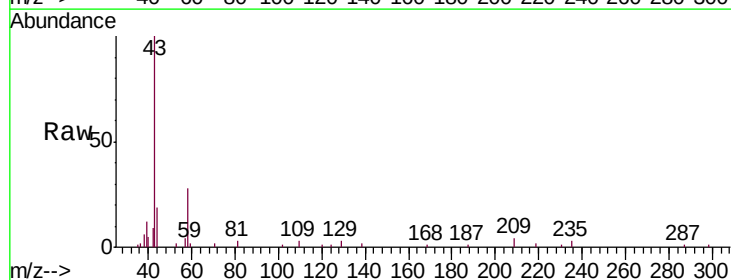
Acq: 4 Mar 2020 7:13

Tgt Ion: 43 Resp: 14639

Ion Ratio Lower Upper

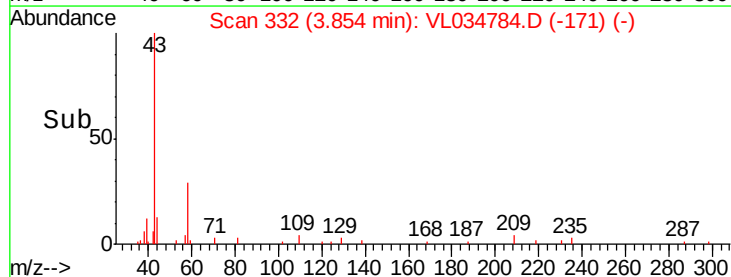
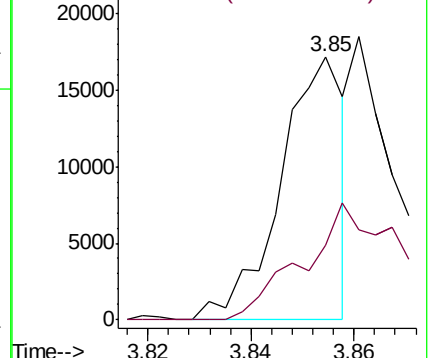
43 100

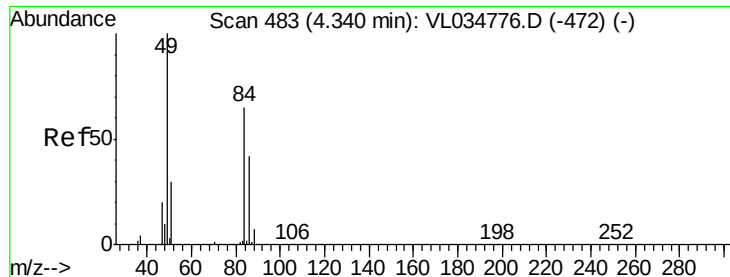
58 0.0 21.0 31.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

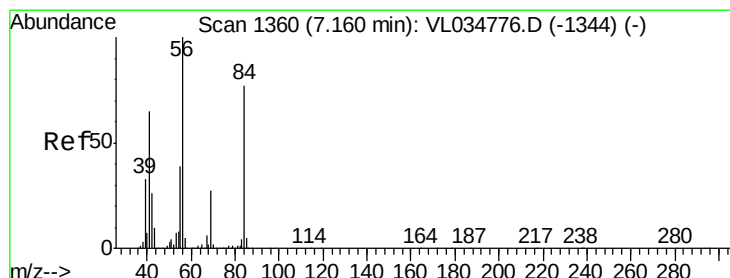
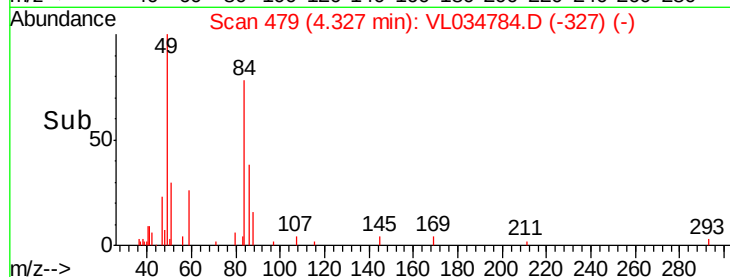
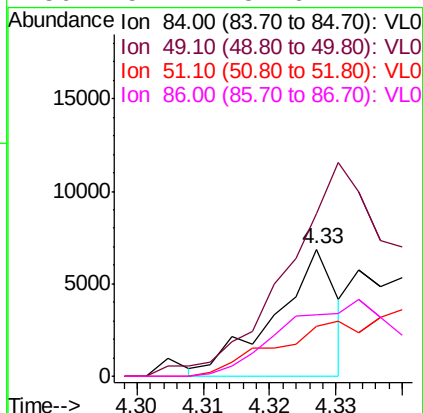
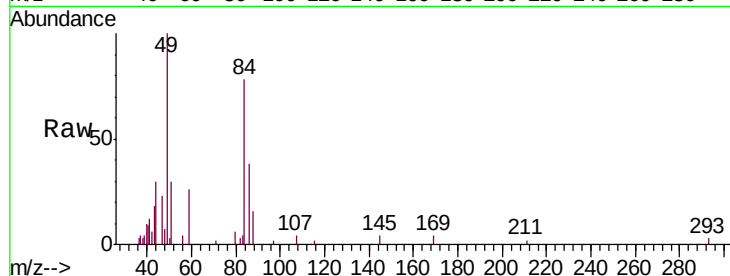




#20
Methylene Chloride
Concen: 0.105 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.01 min
Lab File: VL034784.D
Acq: 4 Mar 2020 7:13

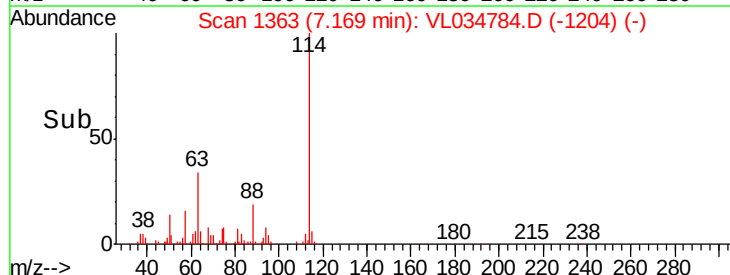
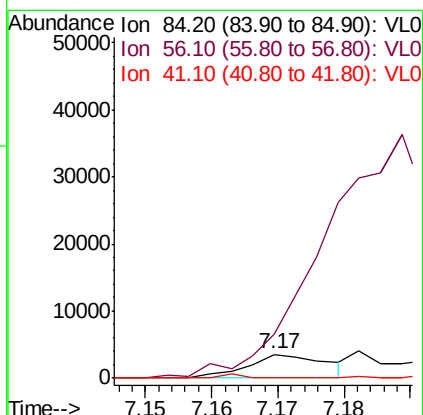
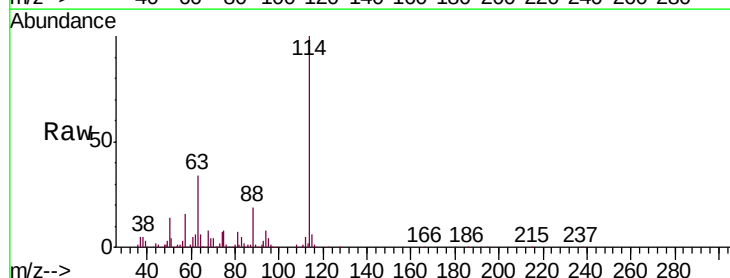
Instrument :
MSVOA_L
ClientSampleId :
VL0304ABL01

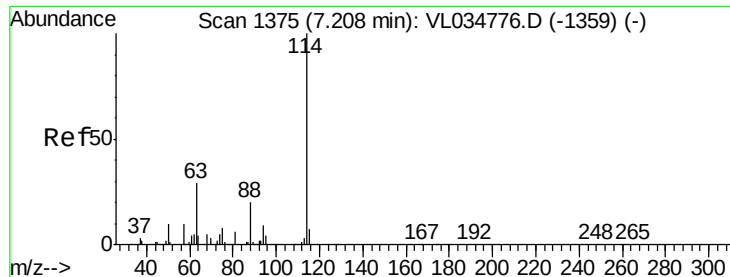
Tgt Ion:	84	Resp:	4486
Ion	Ratio	Lower	Upper
84	100		
49	127.2	123.2	184.8
51	41.4	37.4	56.2
86	51.1	51.6	77.4#



#30
Cyclohexane
Concen: 0.043 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VL034784.D
Acq: 4 Mar 2020 7:13

Tgt Ion:	84	Resp:	2942
Ion	Ratio	Lower	Upper
84	100		
56	0.0	113.2	169.8#
41	5.3	70.2	105.4#

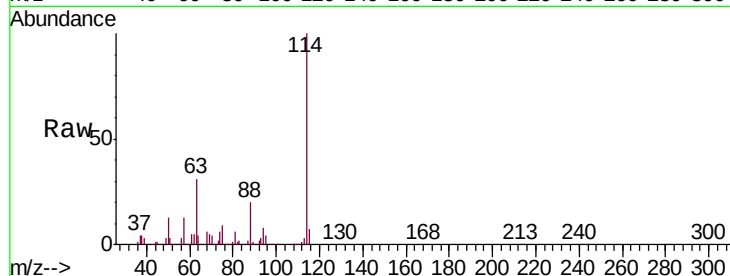




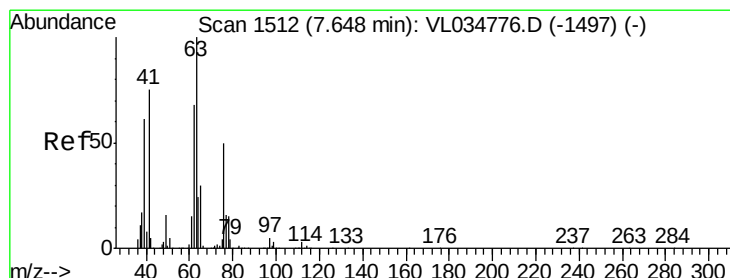
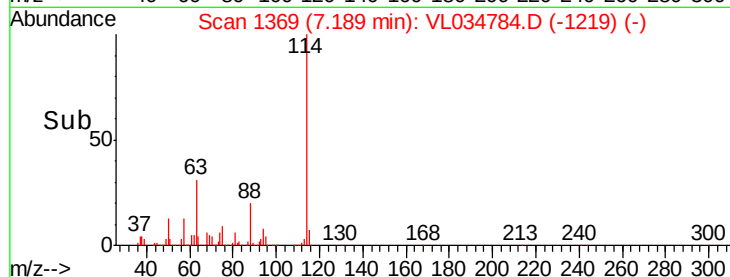
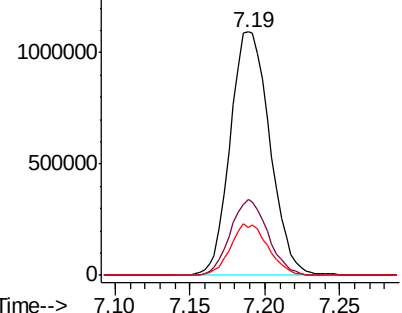
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.02 min
 Lab File: VL034784.D
 Acq: 4 Mar 2020 7:13

Instrument :
 MSVOA_L
 ClientSampled :
 VL0304ABL01

Tgt Ion: 114 Resp: 2018252
 Ion Ratio Lower Upper
 114 100
 63 29.7 23.6 35.4
 88 20.2 15.8 23.8

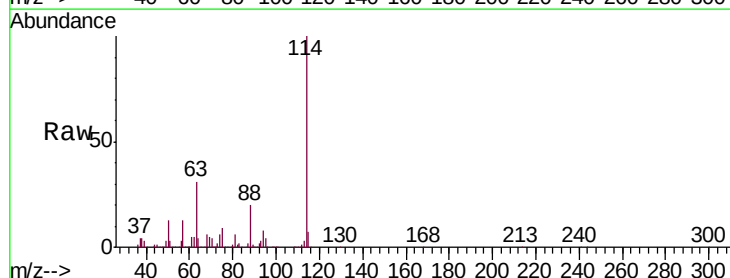


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

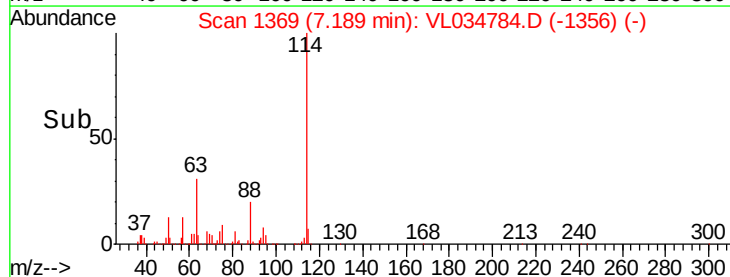
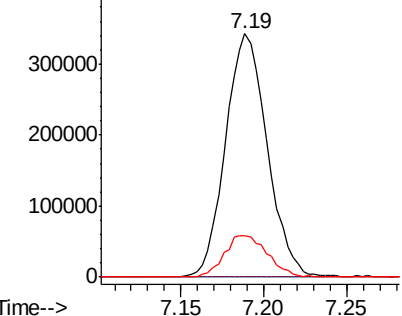


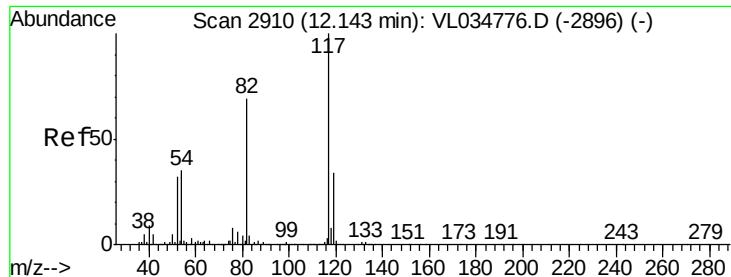
#39
 1,2-Dichloropropane
 Concen: 8.587 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.46 min
 Lab File: VL034784.D
 Acq: 4 Mar 2020 7:13

Tgt Ion: 63 Resp: 597668
 Ion Ratio Lower Upper
 63 100
 41 0.0 60.3 90.5#
 62 17.1 54.5 81.7#



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

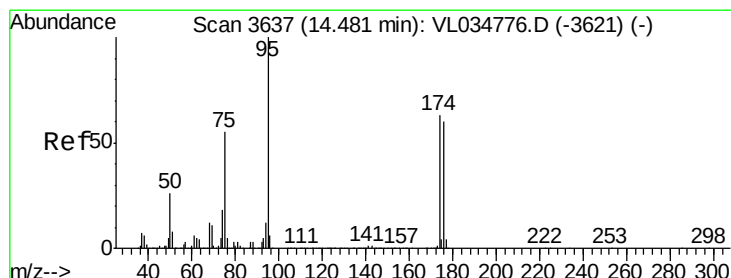
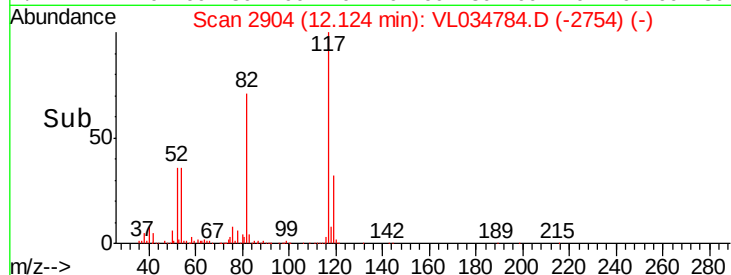
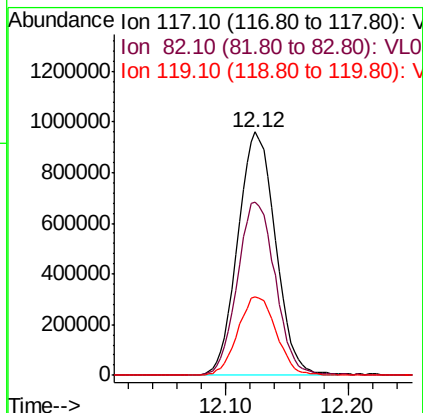
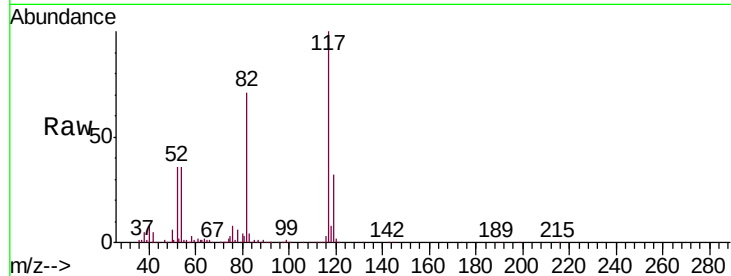




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL034784.D
Acq: 4 Mar 2020 7:13

Instrument :
MSVOA_L
ClientSampleId :
VL0304ABL01

Tgt Ion: 117 Resp: 2052330
Ion Ratio Lower Upper
117 100
82 72.1 53.9 80.9
119 33.0 25.0 37.4



#68
1-Bromo-4-Fluorobenzene
Concen: 9.990 ppbv
RT: 14.46 min Scan# 3632
Delta R.T. -0.02 min
Lab File: VL034784.D
Acq: 4 Mar 2020 7:13

Tgt Ion: 95 Resp: 1709548
Ion Ratio Lower Upper
95 100
174 63.4 50.6 76.0
175 4.6 3.8 5.6

