

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102519\
 Data File : VL034370.D
 Acq On : 25 Oct 2019 19:02
 Operator : SY/AP
 Sample : QC102119 CAN 10443
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC102119 CAN 10443

Quant Time: Oct 25 23:29:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 17 05:12:37 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	904998	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1785524	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.14	117	1726643	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	714704	4.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	48.90%#

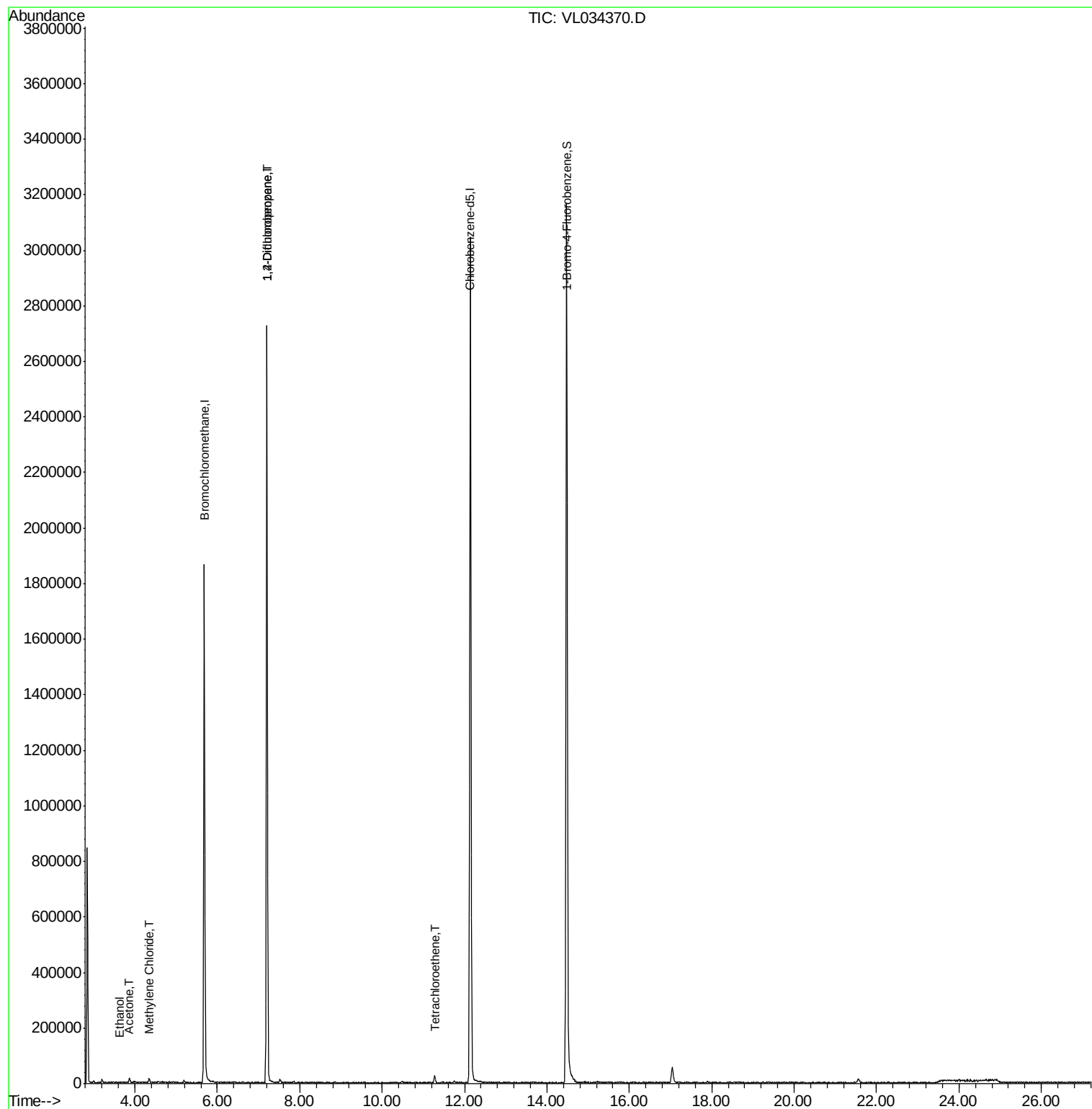
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.62	45	373	0.035	ppbv	87
15) Acetone	3.87	43	10338	0.080	ppbv #	50
20) Methylene Chloride	4.34	84	2663	0.057	ppbv #	23
39) 1,2-Dichloropropane	7.20	63	522574	7.084	ppbv #	21
52) Tetrachloroethene	11.27	164	4050	0.060	ppbv #	58

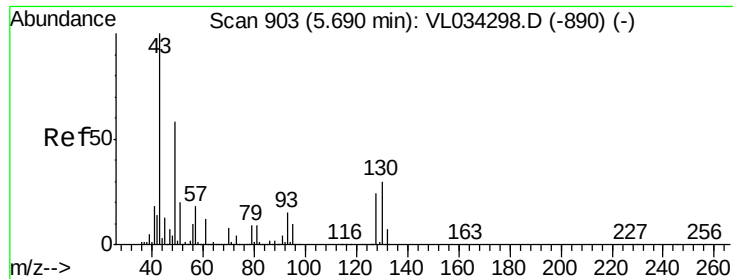
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.01 min

Lab File: VL034370.D

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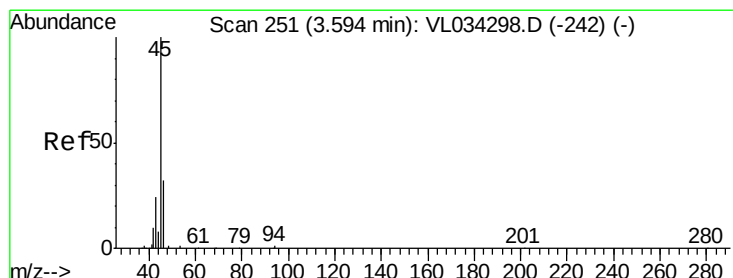
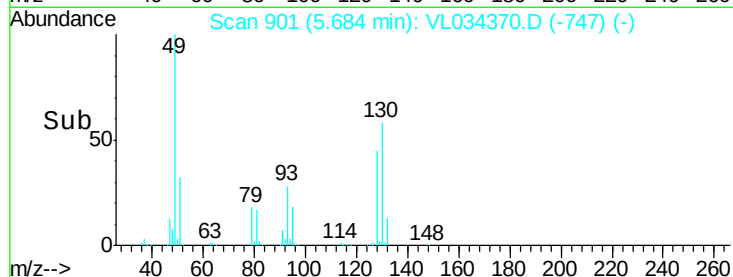
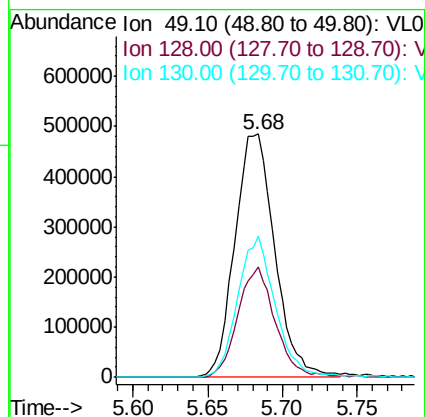
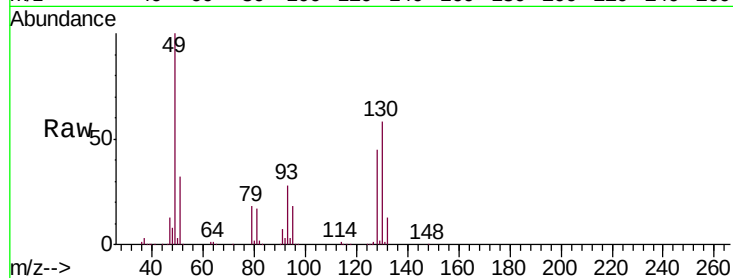
Instrument :

MSVOA_L

ClientSampleId :

QC102119 CAN 10443

Tgt Ion:	49	Resp:	904998
Ion	Ratio	Lower	Upper
49	100		
128	42.8	20.6	61.8
130	54.6	26.2	78.5



#13

Ethanol

Concen: 0.035 ppbv

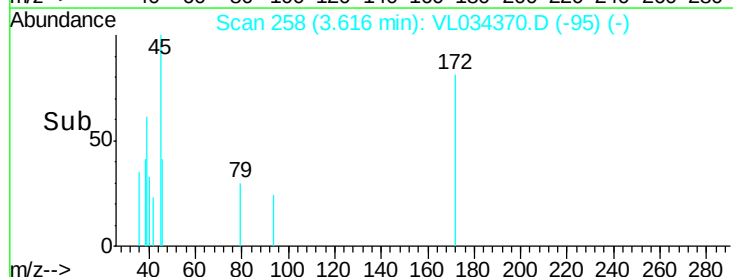
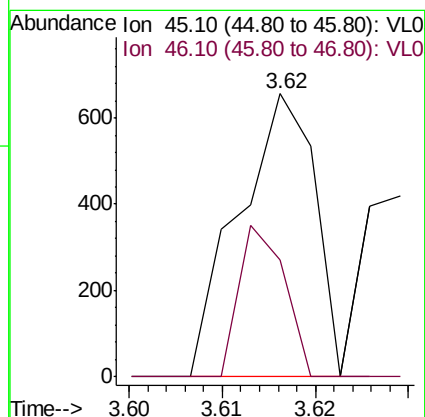
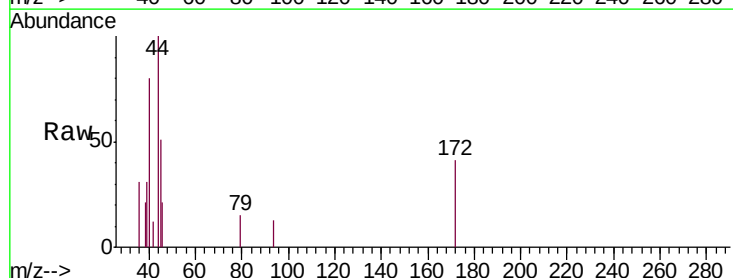
RT: 3.62 min Scan# 258

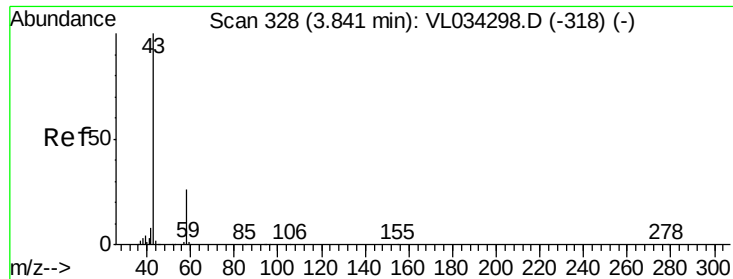
Delta R.T. 0.02 min

Lab File: VL034370.D

Acq: 25 Oct 2019 19:02

Tgt Ion:	45	Resp:	373
Ion	Ratio	Lower	Upper
45	100		
46	31.6	15.8	63.2

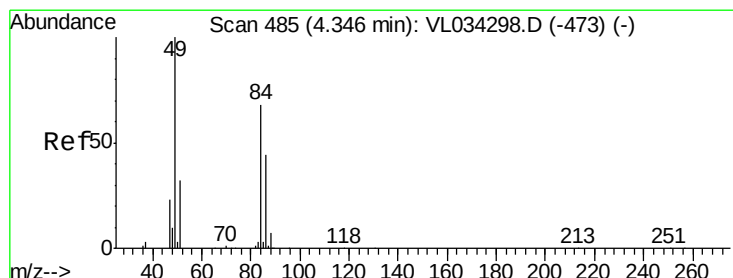
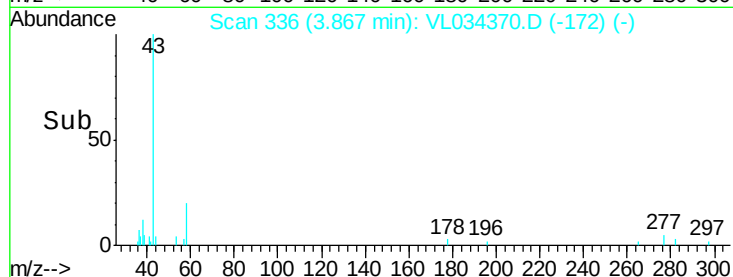
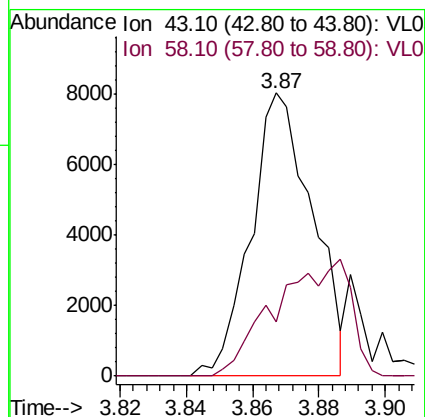
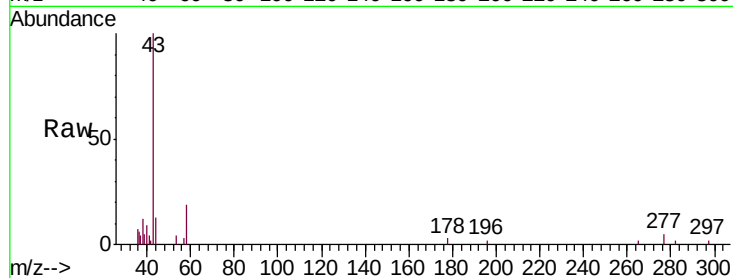




#15
Acetone
Concen: 0.080 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.03 min
Lab File: VL034370.D
Acq: 25 Oct 2019 19:02

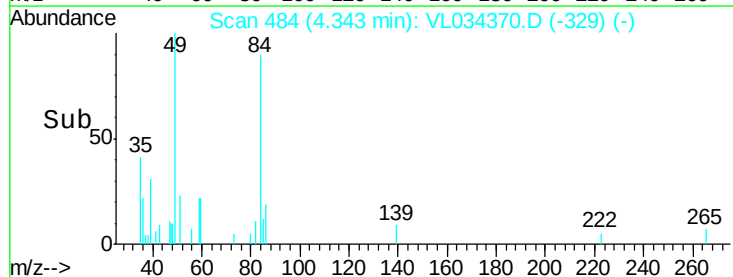
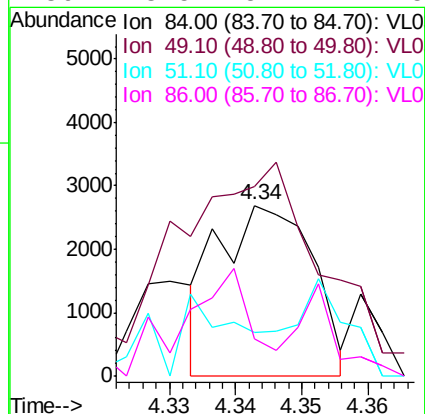
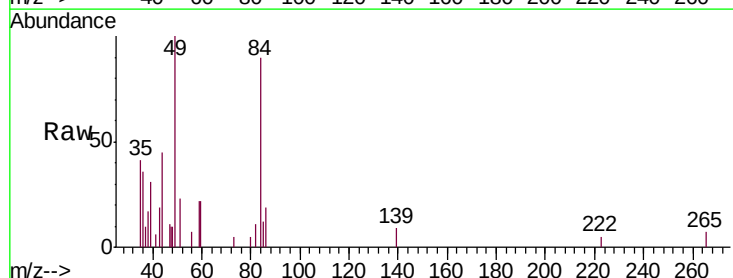
Instrument :
MSVOA_L
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QC102119 CAN 10443

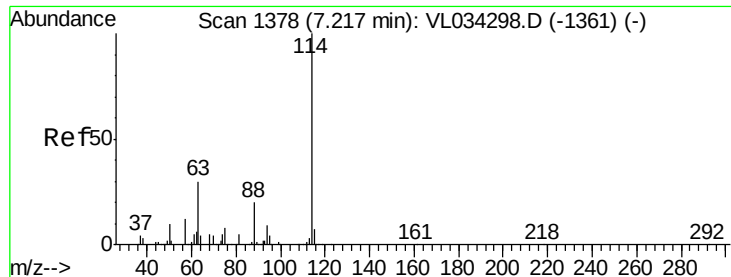
Tgt Ion: 43 Resp: 10338
Ion Ratio Lower Upper
43 100
58 0.0 20.4 30.6#



#20
Methylene Chloride
Concen: 0.057 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL034370.D
Acq: 25 Oct 2019 19:02

Tgt Ion: 84 Resp: 2663
Ion Ratio Lower Upper
84 100
49 42.7 118.5 177.7#
51 0.0 38.8 58.2#
86 13.5 51.7 77.5#

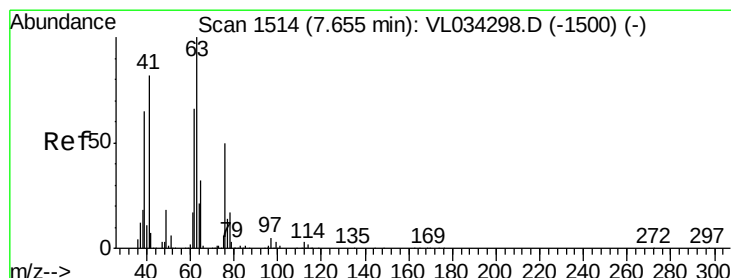
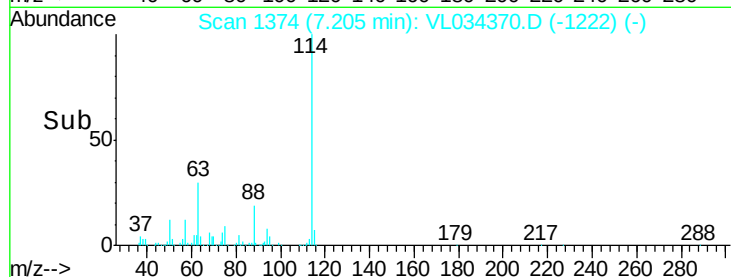
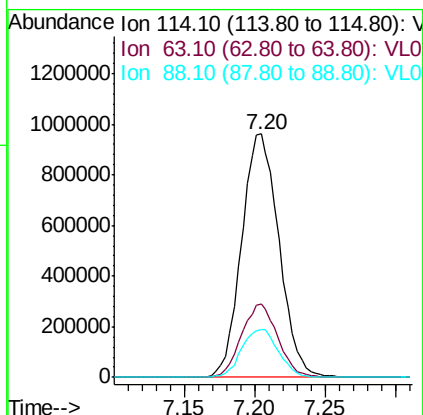
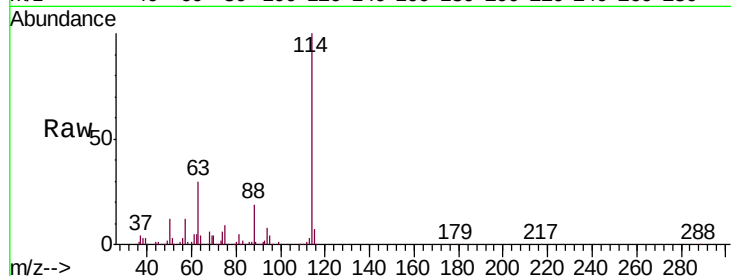




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VL034370.D
 Acq: 25 Oct 2019 19:02

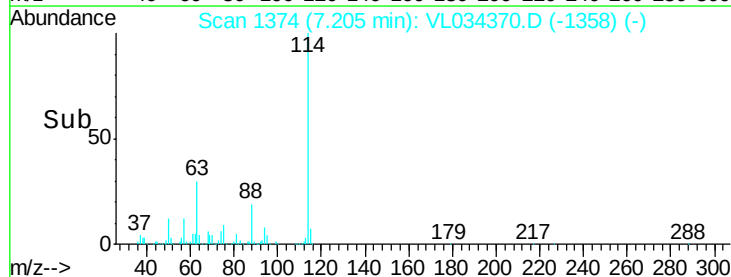
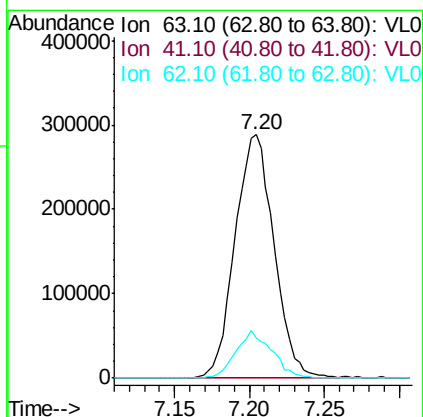
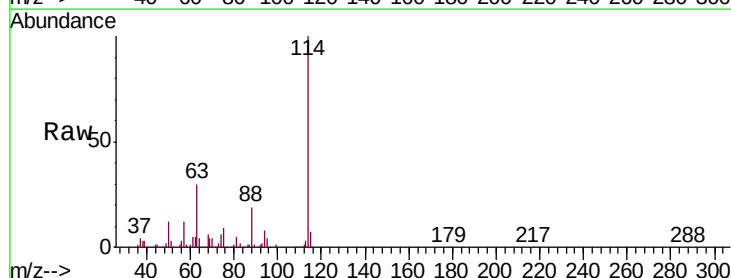
Instrument :
 MSVOA_L
 ClientSampleId :
 QC102119 CAN 10443

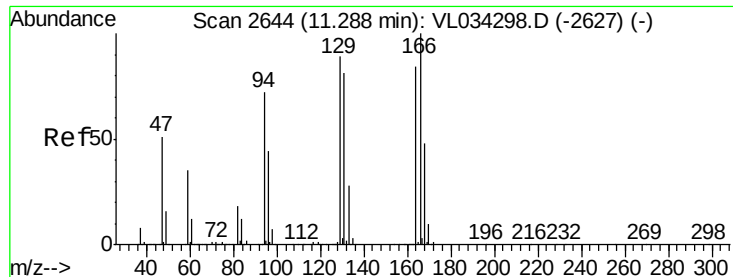
Tgt Ion: 114 Resp: 1785524
 Ion Ratio Lower Upper
 114 100
 63 29.3 25.2 37.8
 88 19.6 16.0 24.0



#39
 1,2-Dichloropropane
 Concen: 7.084 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. -0.45 min
 Lab File: VL034370.D
 Acq: 25 Oct 2019 19:02

Tgt Ion: 63 Resp: 522574
 Ion Ratio Lower Upper
 63 100
 41 0.0 65.6 98.4#
 62 16.6 53.0 79.6#





#52

Tetrachloroethene

Concen: 0.060 ppbv

RT: 11.27 min Scan# 2639

Delta R.T. -0.02 min

Lab File: VL034370.D

Acq: 25 Oct 2019 19:02

Instrument :

MSVOA_L

ClientSampleId :

QC102119 CAN 10443

Tgt Ion:164 Resp: 4050

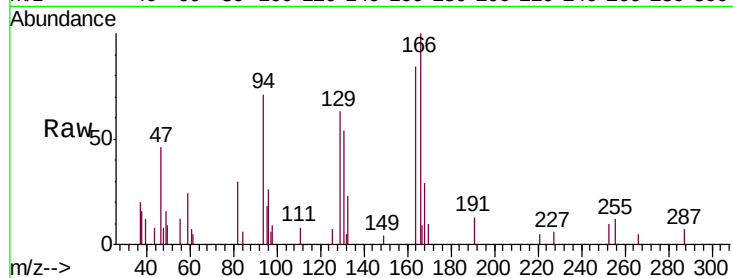
Ion Ratio Lower Upper

164 100

166 165.3 95.3 142.9#

129 36.1 84.5 126.7#

131 81.1 77.3 115.9

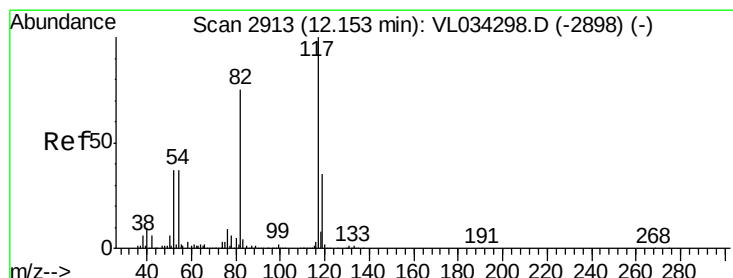
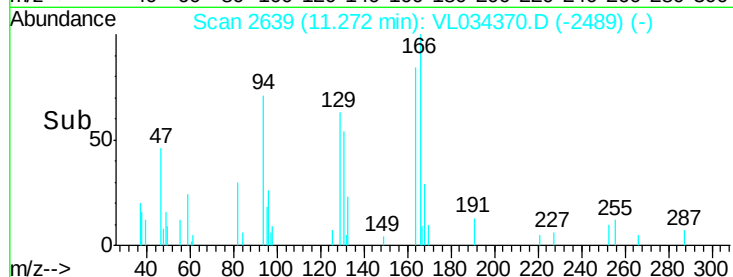
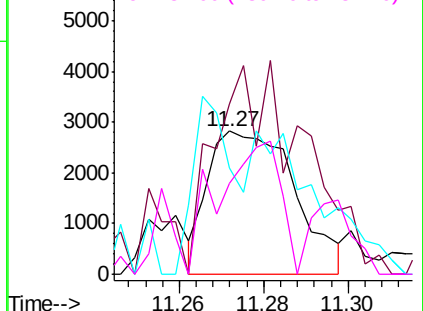


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. -0.01 min

Lab File: VL034370.D

Acq: 25 Oct 2019 19:02

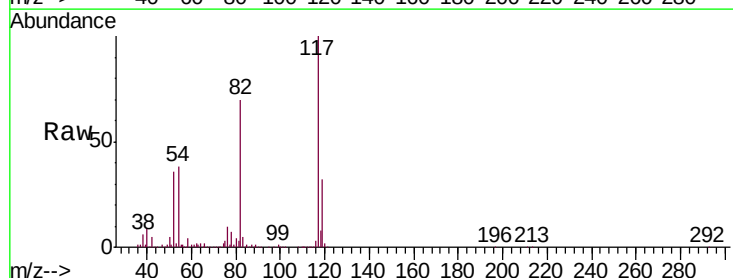
Tgt Ion:117 Resp: 1726643

Ion Ratio Lower Upper

117 100

82 73.2 55.5 83.3

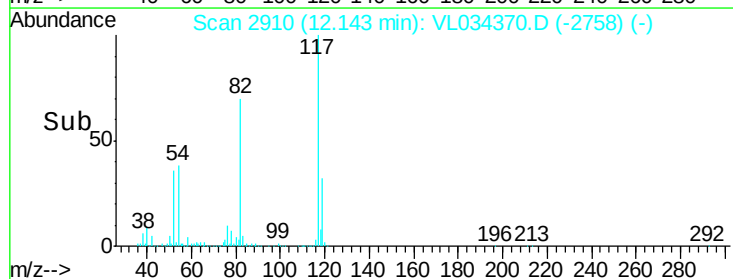
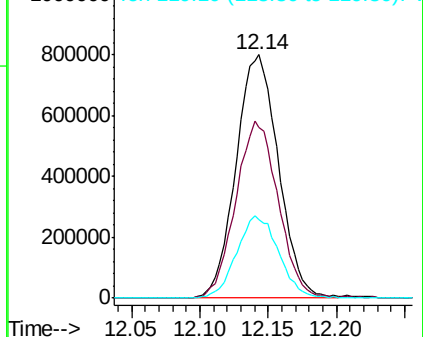
119 33.7 26.5 39.7

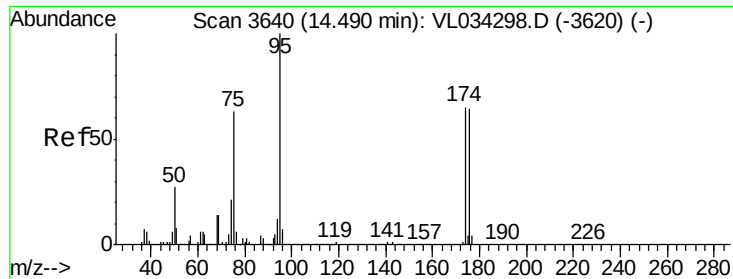


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 4.887 ppbv

RT: 14.48 min Scan# 3637

Delta R.T. -0.01 min

Lab File: VL034370.D

Acq: 25 Oct 2019 19:02

Instrument :

MSVOA_L

ClientSampleId :

QC102119 CAN 10443

Tgt Ion: 95 Resp: 714704

Ion Ratio Lower Upper

95 100

174 137.2 52.6 78.8#

175 9.8 3.8 5.6#

