

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020620\
Quantitation Report (Not Reviewed)

Data File : VL034602.D
Acq On : 6 Feb 2020 16:14
Operator : SY/AP
Sample : VL0206ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0206ABL01

Quant Time: Feb 07 07:35:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	949279	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.21	114	1964626	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.15	117	1995185	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1728846	10.25	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

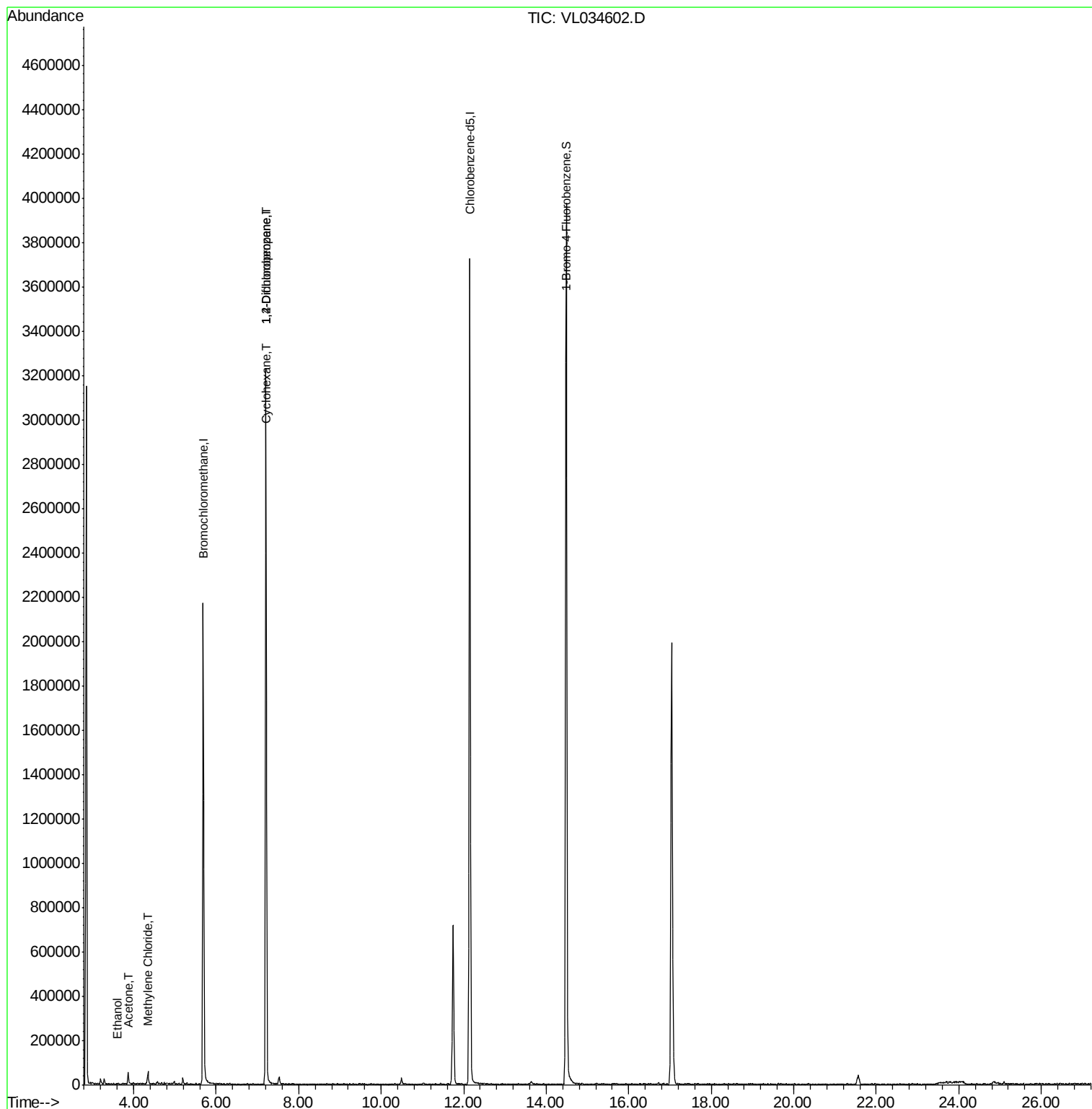
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.61	45	705	0.059	ppbv #	38
15) Acetone	3.87	43	40132	0.288	ppbv #	50
20) Methylene Chloride	4.35	84	14332	0.270	ppbv	84
30) Cyclohexane	7.19	84	3931	0.056	ppbv #	1
39) 1,2-Dichloropropane	7.21	63	578813	7.992	ppbv #	20

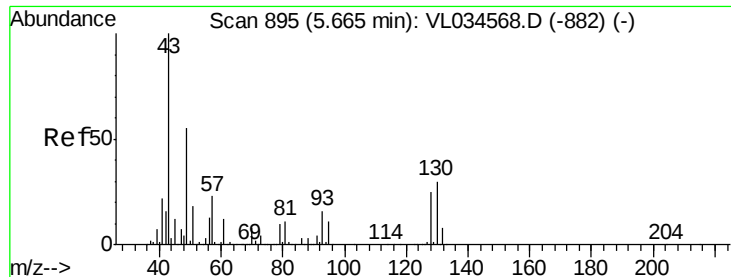
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.02 min

Lab File: VL034602.D

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MSVOA_L

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VL0206ABL01

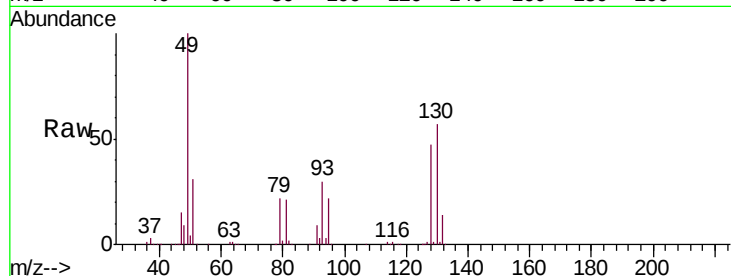
Tgt Ion: 49 Resp: 949279

Ion Ratio Lower Upper

49 100

128 45.9 22.7 68.1

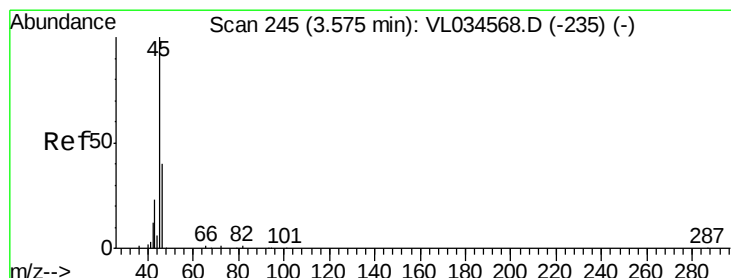
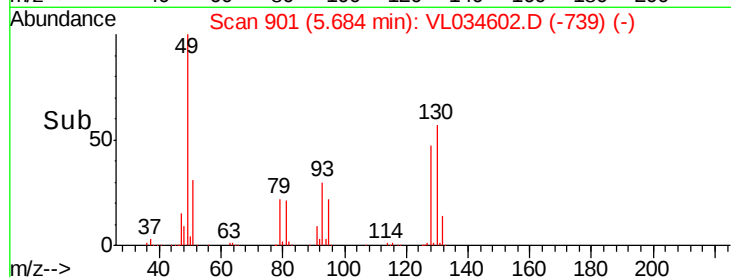
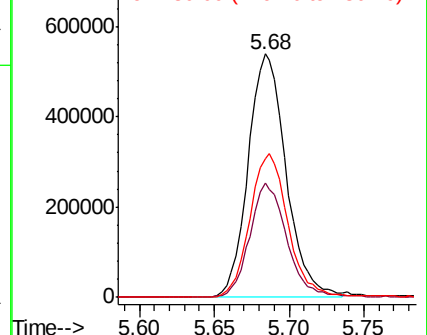
130 60.1 28.6 85.8



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



#13

Ethanol

Concen: 0.059 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.03 min

Lab File: VL034602.D

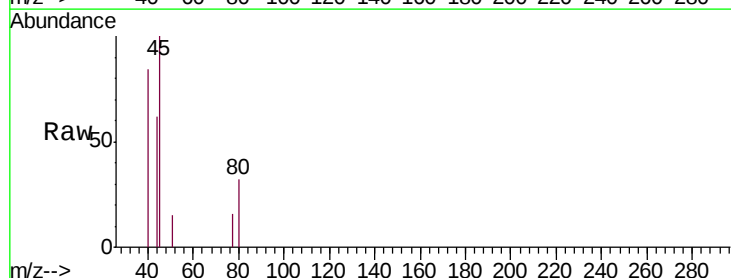
Acq: 6 Feb 2020 16:14

Tgt Ion: 45 Resp: 705

Ion Ratio Lower Upper

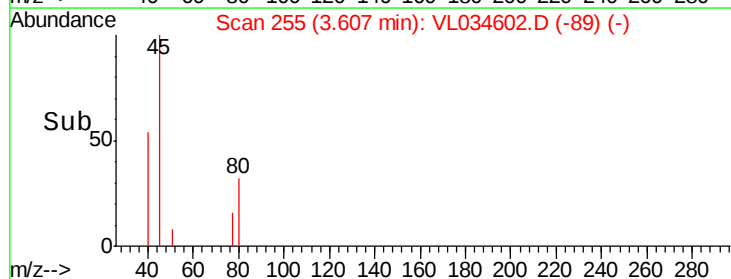
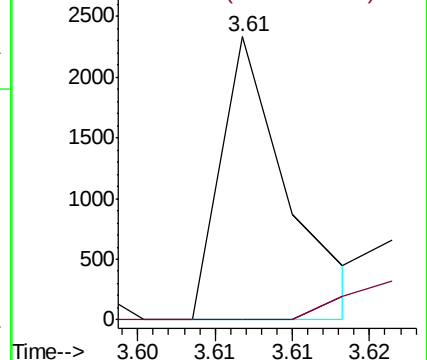
45 100

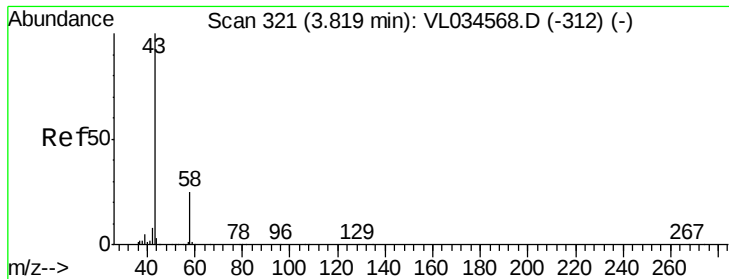
46 0.0 14.8 59.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.288 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.05 min

Lab File: VL034602.D

Acq: 6 Feb 2020 16:14

Instrument :

MSVOA_L

ClientSampleId :

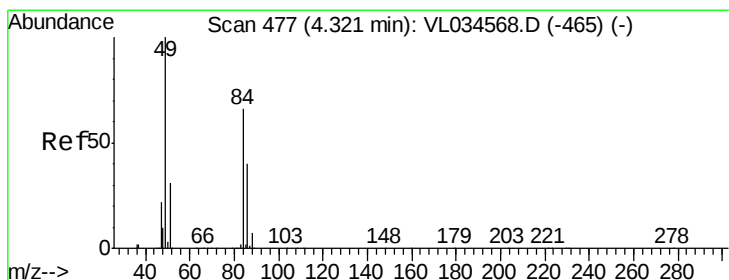
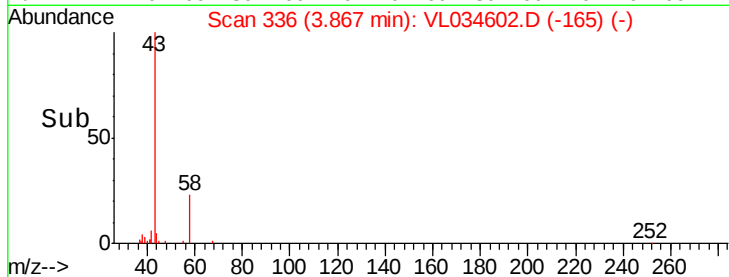
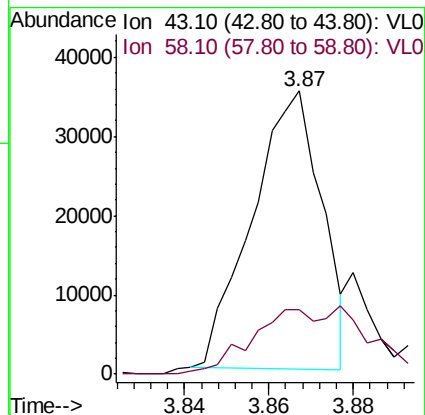
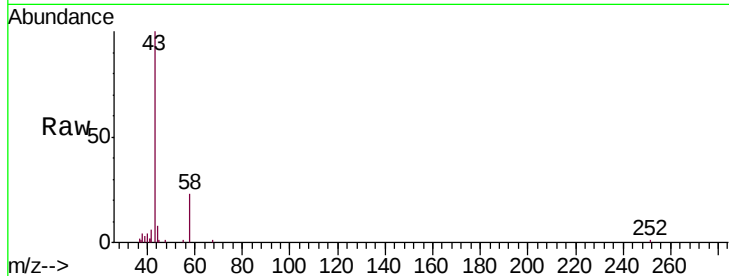
VL0206ABL01

Tgt Ion: 43 Resp: 40132

Ion Ratio Lower Upper

43 100

58 0.0 20.3 30.5#



#20

Methylene Chloride

Concen: 0.270 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.03 min

Lab File: VL034602.D

Acq: 6 Feb 2020 16:14

Tgt Ion: 84 Resp: 14332

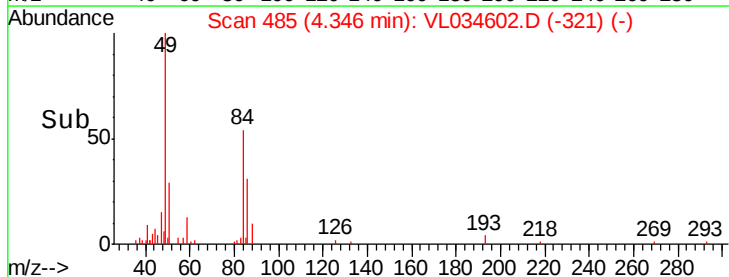
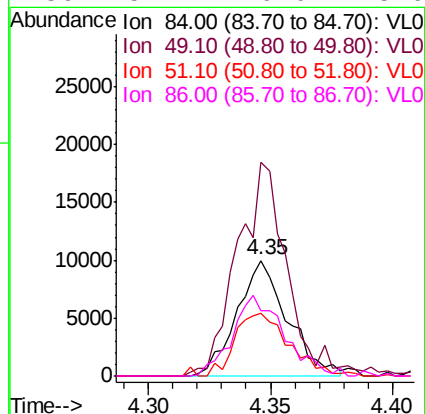
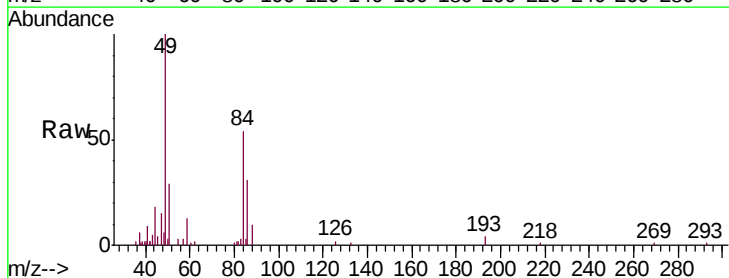
Ion Ratio Lower Upper

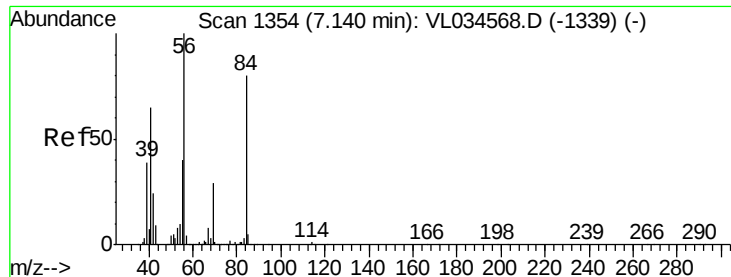
84 100

49 182.3 122.4 183.6

51 51.7 38.6 57.8

86 57.1 49.0 73.6

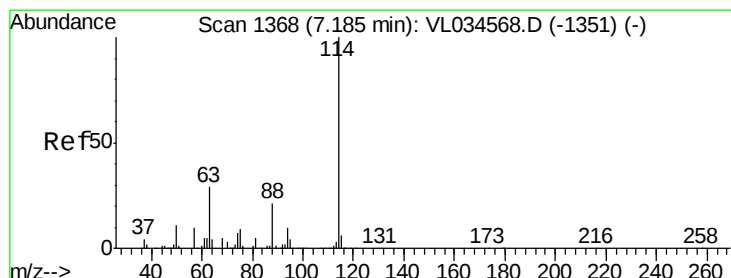
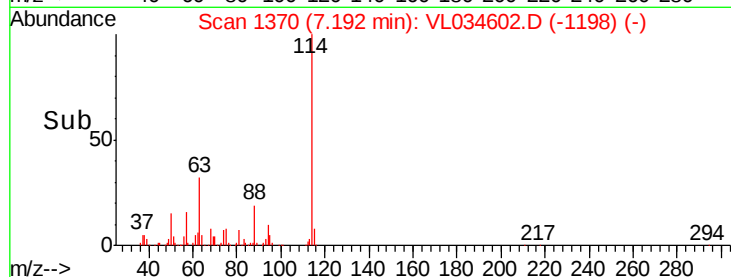
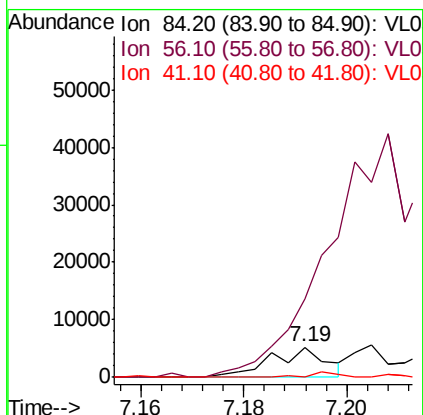
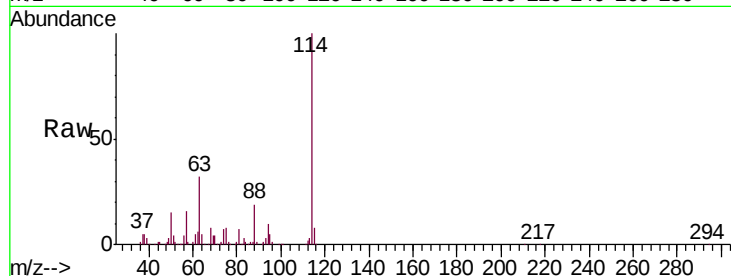




#30
Cyclohexane
Concen: 0.056 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.05 min
Lab File: VL034602.D
Acq: 6 Feb 2020 16:14

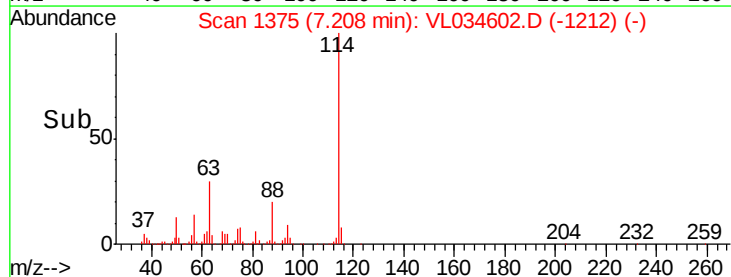
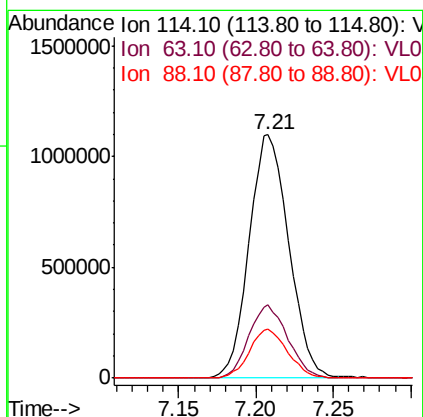
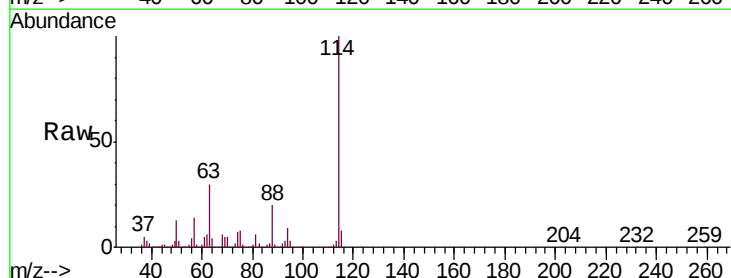
Instrument :
MSVOA_L
ClientSampleId :
VL0206ABL01

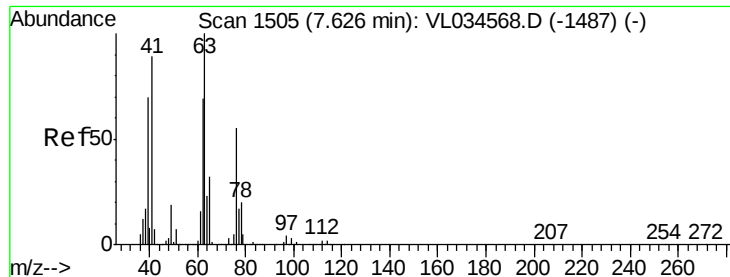
Tgt Ion: 84 Resp: 3931
Ion Ratio Lower Upper
84 100
56 0.0 110.5 165.7#
41 12.7 71.9 107.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. 0.02 min
Lab File: VL034602.D
Acq: 6 Feb 2020 16:14

Tgt Ion: 114 Resp: 1964626
Ion Ratio Lower Upper
114 100
63 29.7 24.1 36.1
88 19.5 15.9 23.9

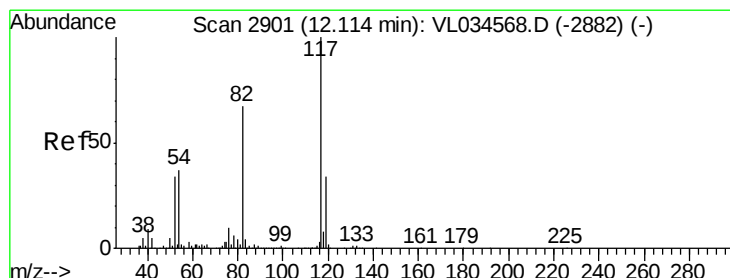
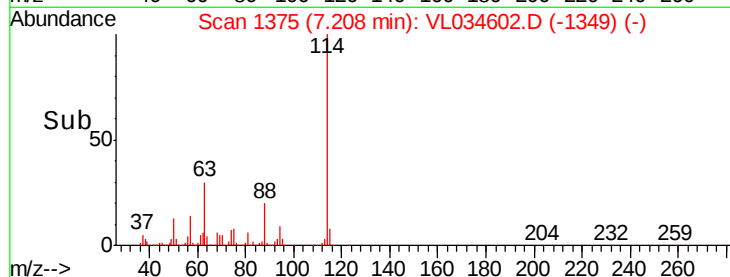
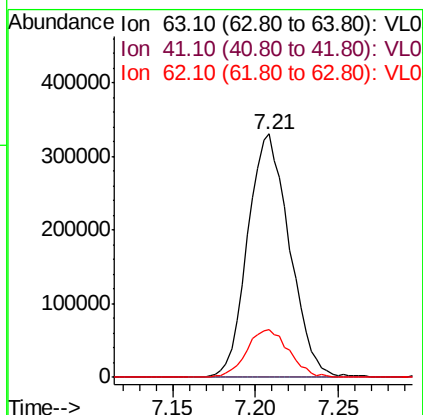
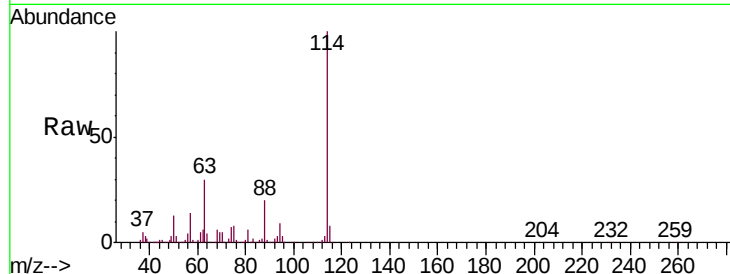




#39
 1,2-Dichloropropane
 Concen: 7.992 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. -0.42 min
 Lab File: VL034602.D
 Acq: 6 Feb 2020 16:14

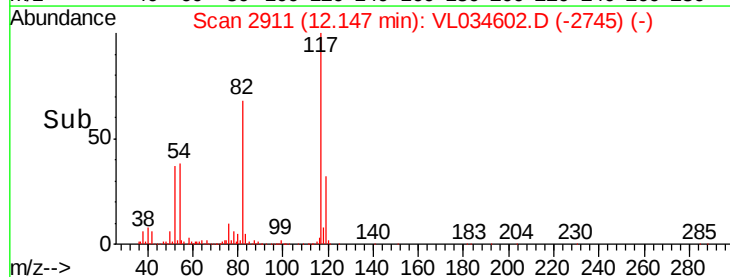
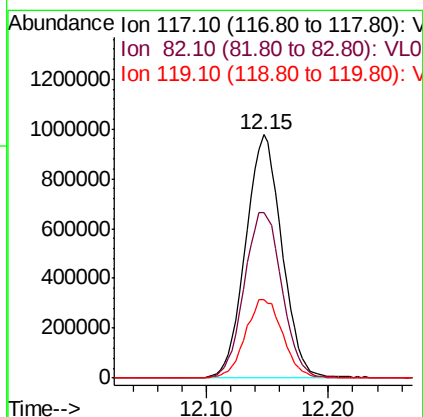
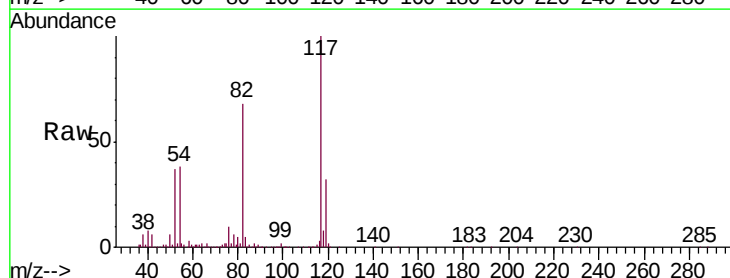
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0206ABL01

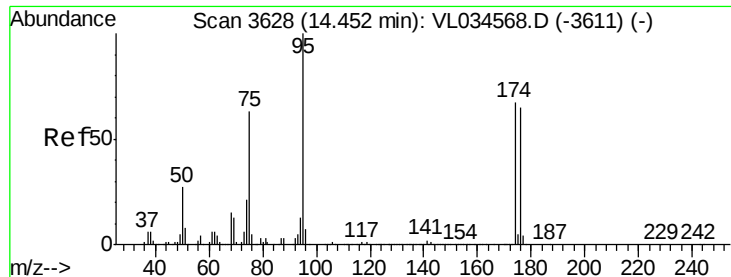
Tgt Ion: 63 Resp: 578813
 Ion Ratio Lower Upper
 63 100
 41 0.1 71.0 106.4#
 62 19.7 55.4 83.0#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.15 min Scan# 2911
 Delta R.T. 0.03 min
 Lab File: VL034602.D
 Acq: 6 Feb 2020 16:14

Tgt Ion: 117 Resp: 1995185
 Ion Ratio Lower Upper
 117 100
 82 71.1 54.2 81.4
 119 33.5 26.1 39.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.253 ppbv

RT: 14.48 min Scan# 3638

Delta R.T. 0.03 min

Lab File: VL034602.D

Acq: 6 Feb 2020 16:14

Instrument :

MSVOA_L

ClientSampleId :

VL0206ABL01

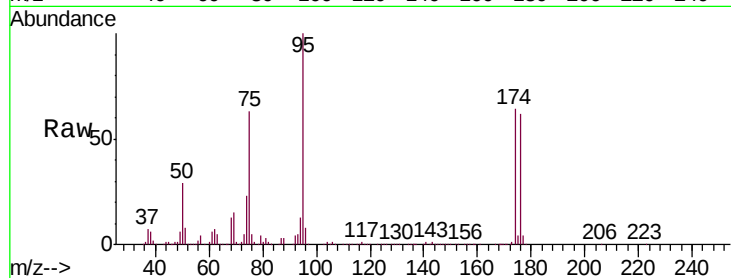
Tgt Ion: 95 Resp: 1728846

Ion Ratio Lower Upper

95 100

174 63.8 52.3 78.5

175 4.5 3.8 5.6



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

