

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111919\
 Data File : VL034385.D
 Acq On : 19 Nov 2019 18:52
 Operator : SY/AP
 Sample : QC110419 CAN 10332
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC110419 CAN 10332

Quant Time: Nov 20 04:05:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 20 03:30:54 2019
 QLast Update : Wed Nov 20 03:30:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	999196	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1955543	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1874151	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1618966	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

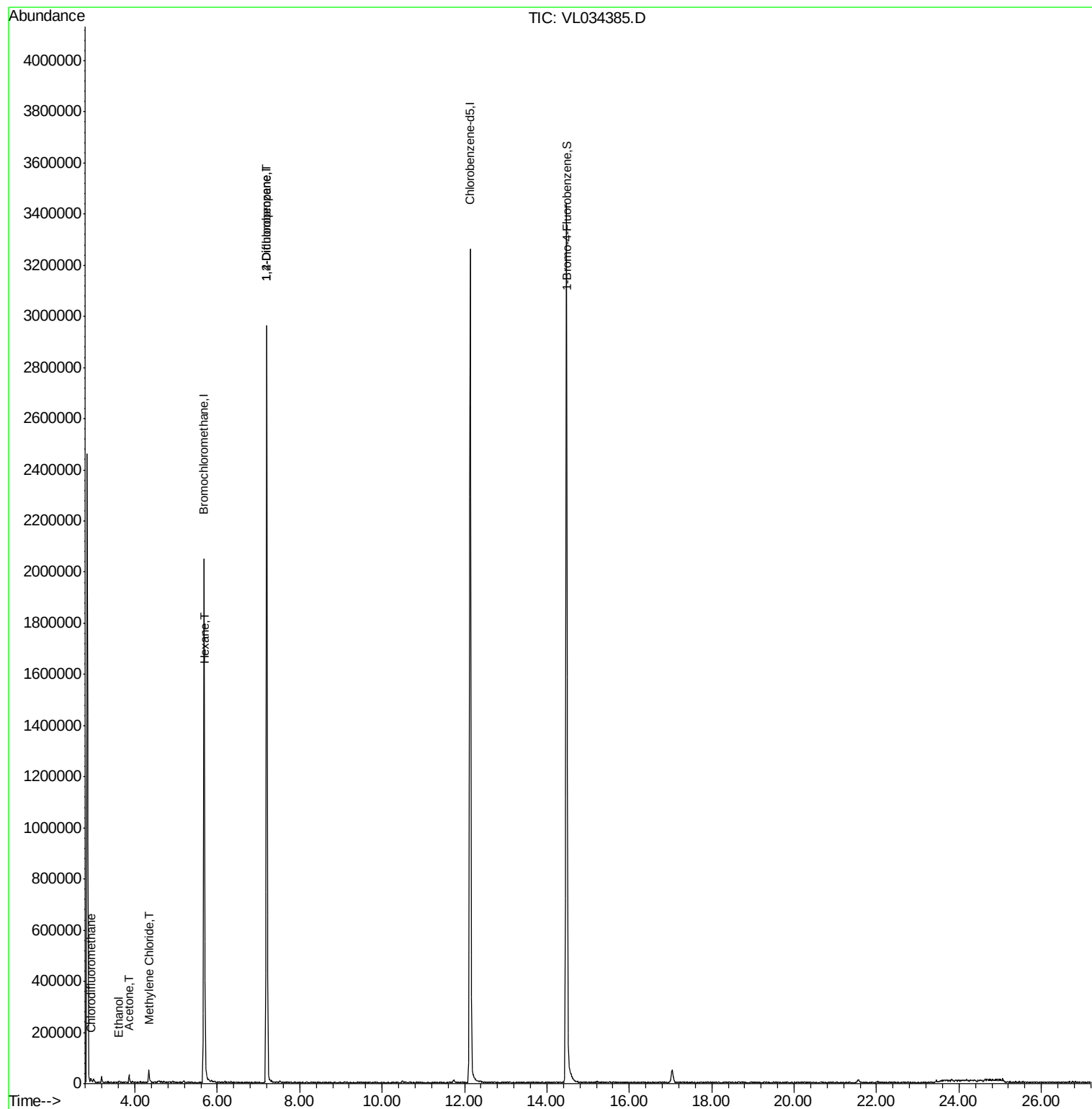
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.93	51	8507	0.068	ppbv #	57
13) Ethanol	3.61	45	1176	0.073	ppbv	79
15) Acetone	3.85	43	9419	0.066	ppbv #	50
20) Methylene Chloride	4.34	84	16157	0.318	ppbv	97
26) Hexane	5.70	57	10011	0.091	ppbv #	43
39) 1,2-Dichloropropane	7.20	63	575303	6.942	ppbv #	22

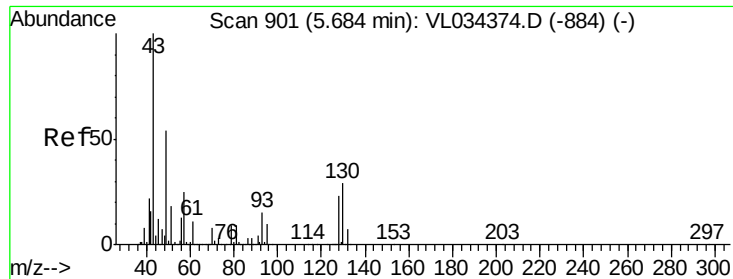
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

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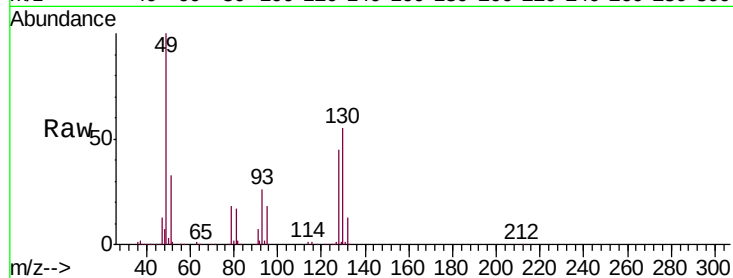
Tgt Ion: 49 Resp: 999196

Ion Ratio Lower Upper

49 100

128 42.6 21.8 65.3

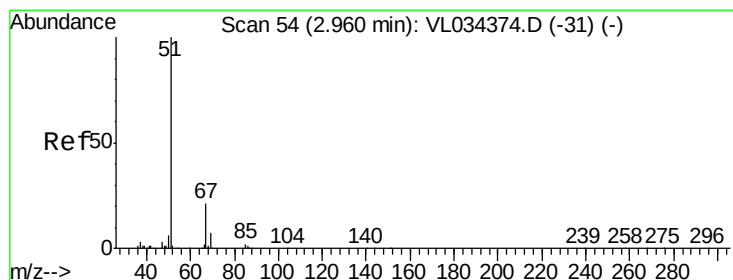
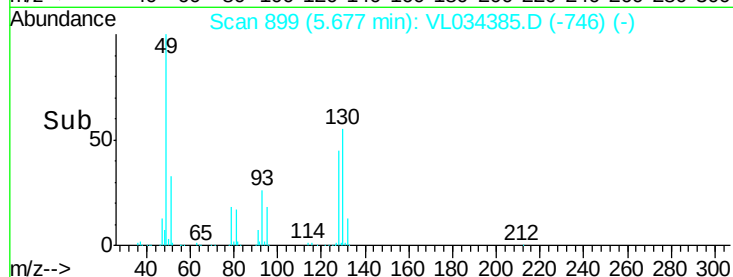
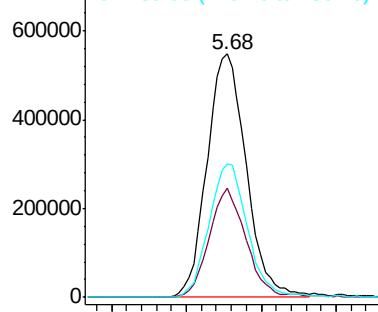
130 54.7 28.0 84.0



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: 0.068 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.03 min

Lab File: VL034385.D

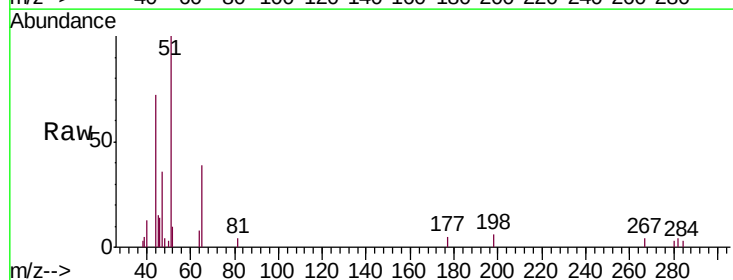
Acq: 19 Nov 2019 18:52

Tgt Ion: 51 Resp: 8507

Ion Ratio Lower Upper

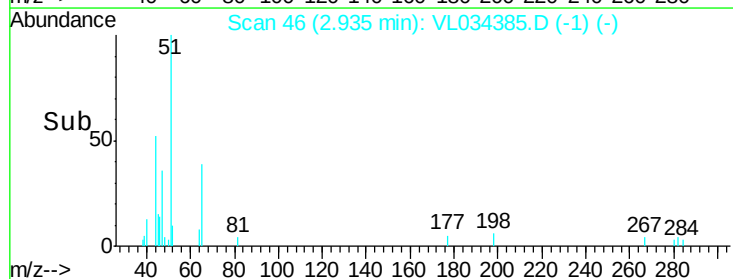
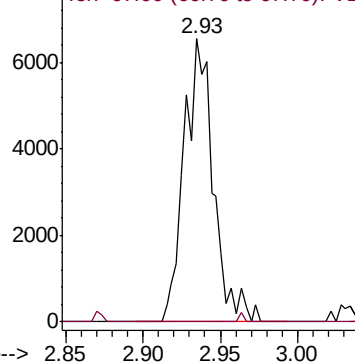
51 100

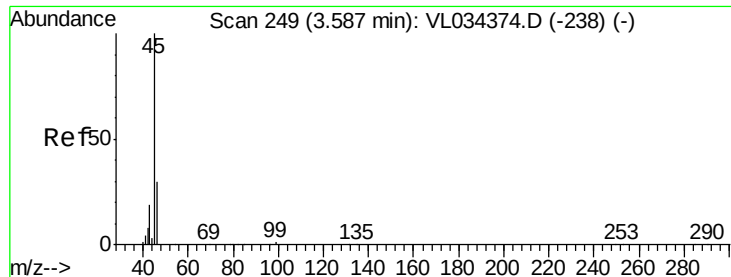
67 0.5 16.2 24.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#13

Ethanol

Concen: 0.073 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.02 min

Lab File: VL034385.D

Acq: 19 Nov 2019 18:52

Instrument :

MSVOA_L

ClientSampleId :

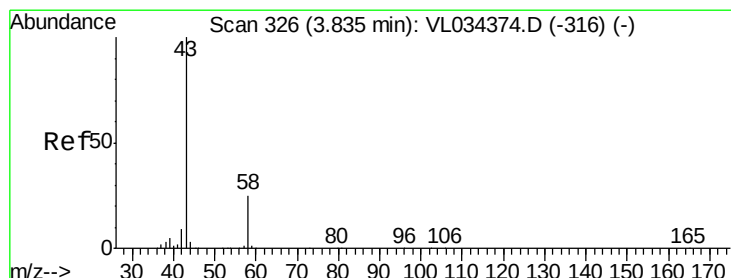
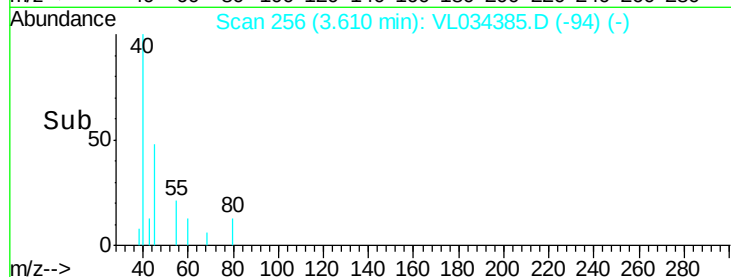
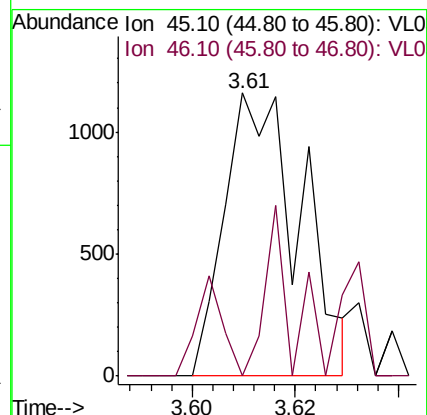
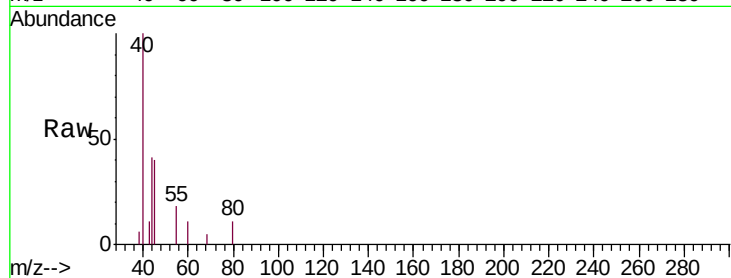
QC110419 CAN 10332

Tgt Ion: 45 Resp: 1176

Ion Ratio Lower Upper

45 100

46 46.8 13.8 55.4



#15

Acetone

Concen: 0.066 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.02 min

Lab File: VL034385.D

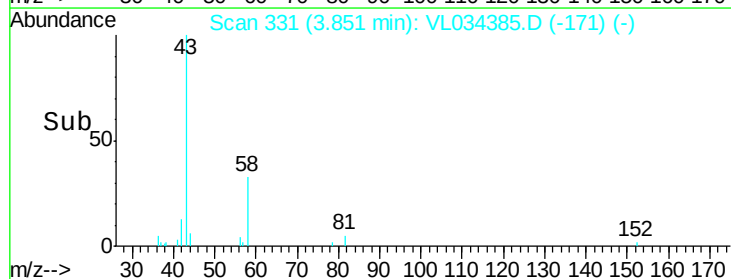
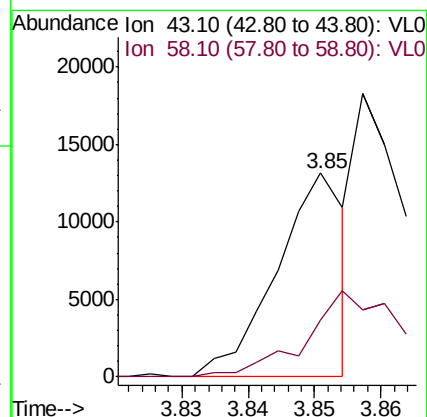
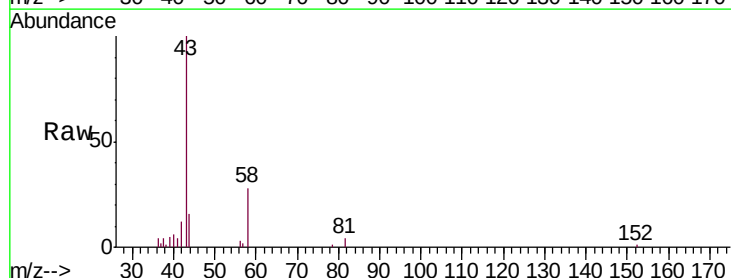
Acq: 19 Nov 2019 18:52

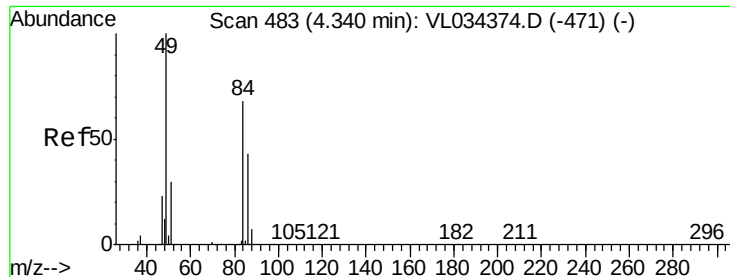
Tgt Ion: 43 Resp: 9419

Ion Ratio Lower Upper

43 100

58 0.0 20.2 30.4#

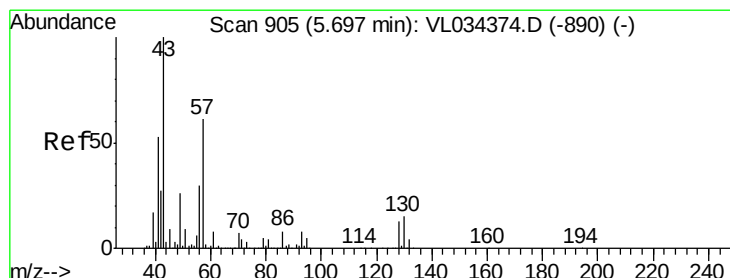
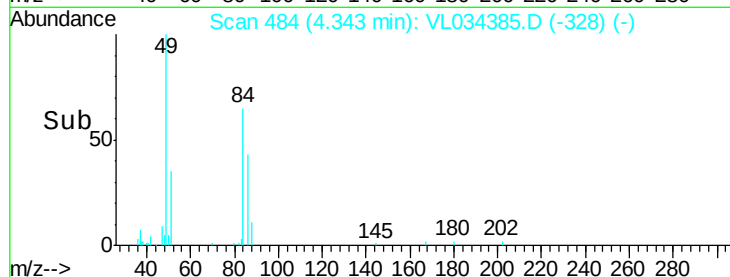
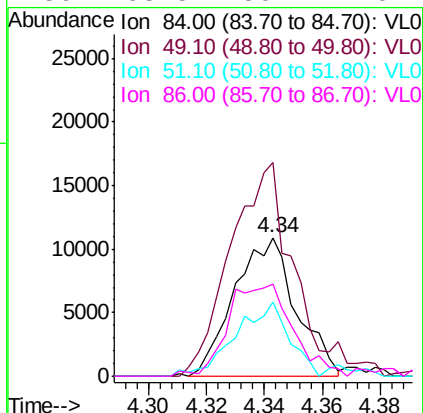
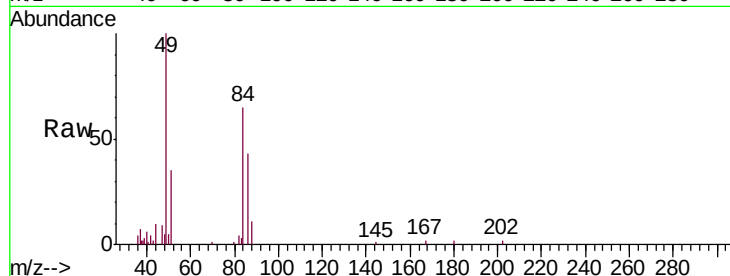




#20
Methylene Chloride
Concen: 0.318 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL034385.D
Acq: 19 Nov 2019 18:52

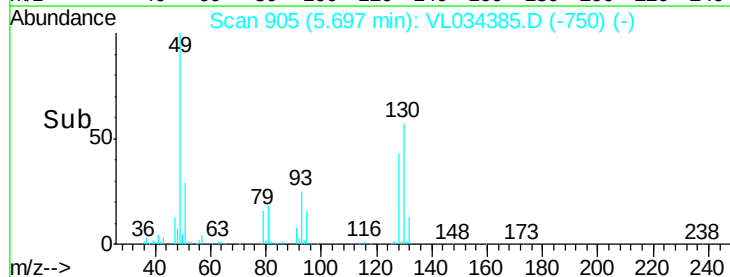
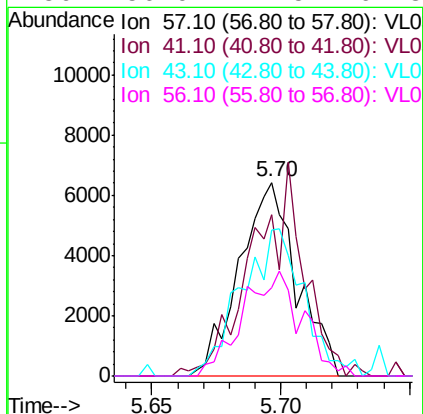
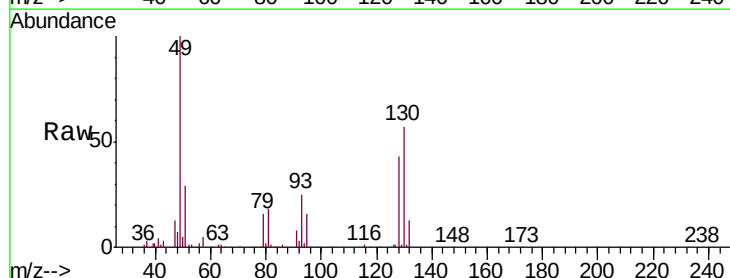
Instrument :
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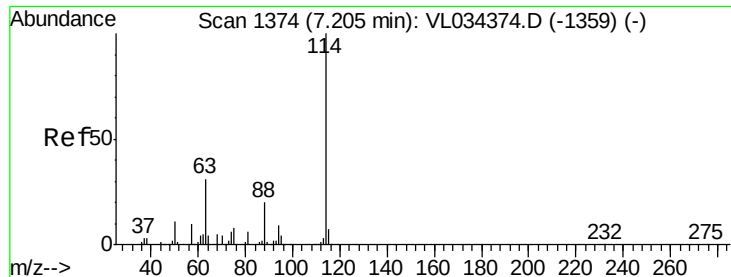
Tgt Ion:	84	Resp:	16157
Ion	Ratio	Lower	Upper
84	100		
49	147.6	116.8	175.2
51	51.0	35.6	53.4
86	63.5	50.7	76.1



#26
Hexane
Concen: 0.091 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL034385.D
Acq: 19 Nov 2019 18:52

Tgt Ion:	57	Resp:	10011
Ion	Ratio	Lower	Upper
57	100		
41	99.9	75.0	112.4
43	84.7	186.6	279.8
56	56.0	41.5	62.3

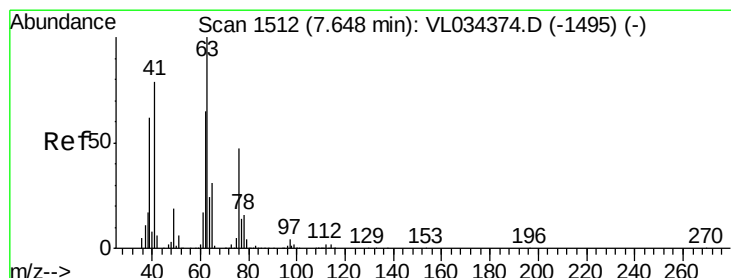
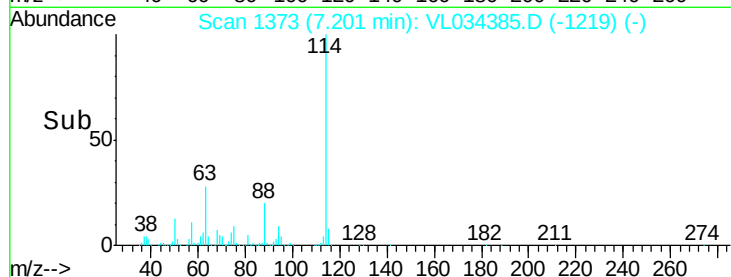
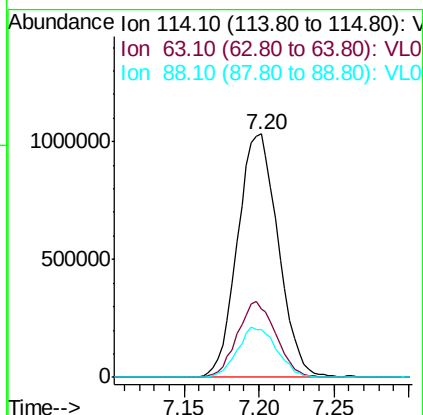
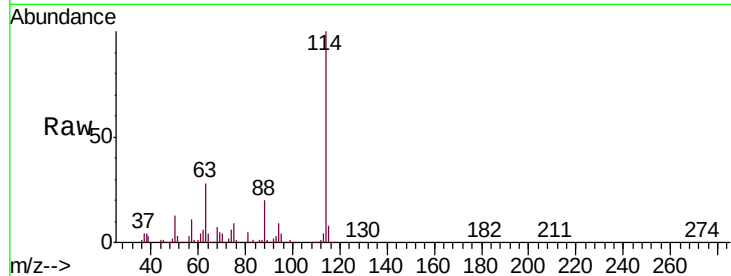




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. -0.00 min
 Lab File: VL034385.D
 Acq: 19 Nov 2019 18:52

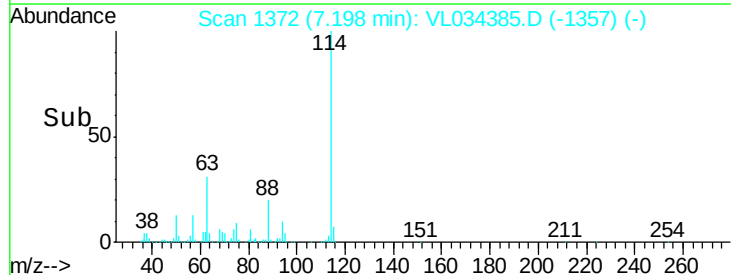
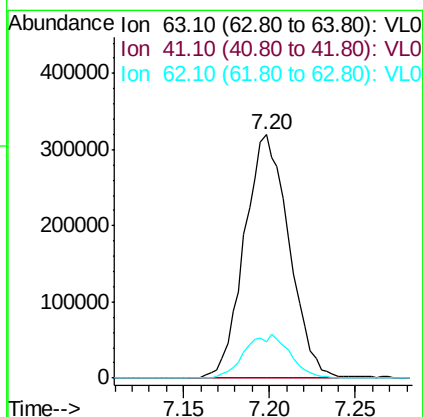
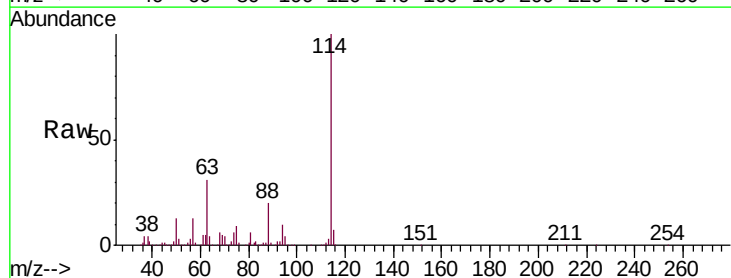
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 MSVOA_L
 ClientSampleId :
 QC110419 CAN 10332

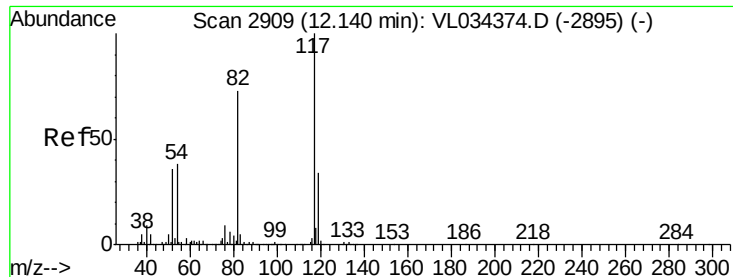
Tgt Ion: 114 Resp: 1955543
 Ion Ratio Lower Upper
 114 100
 63 29.7 24.2 36.4
 88 20.0 15.9 23.9



#39
 1,2-Dichloropropane
 Concen: 6.942 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. -0.45 min
 Lab File: VL034385.D
 Acq: 19 Nov 2019 18:52

Tgt Ion: 63 Resp: 575303
 Ion Ratio Lower Upper
 63 100
 41 0.1 63.1 94.7#
 62 15.1 52.3 78.5#

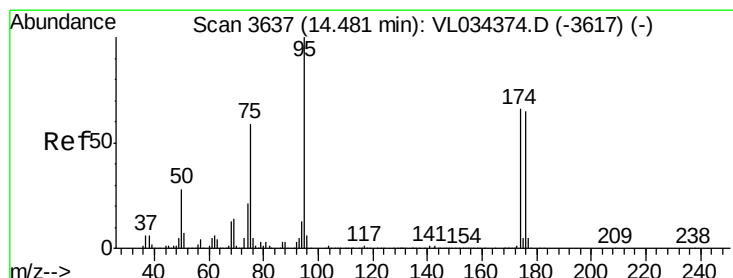
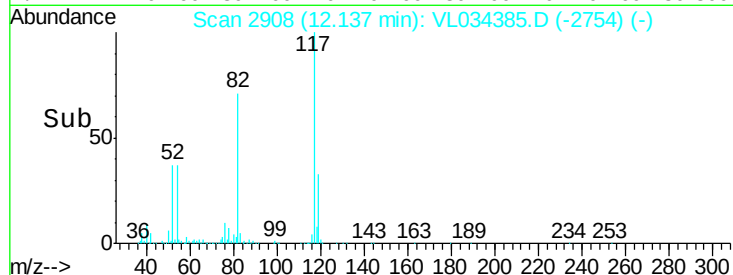
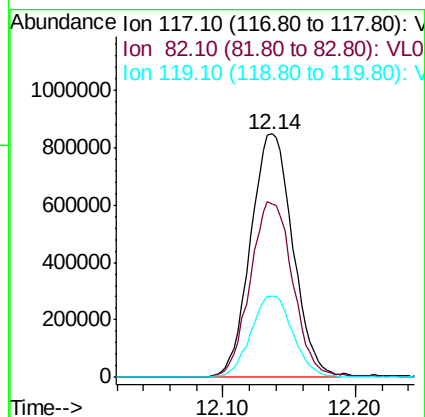
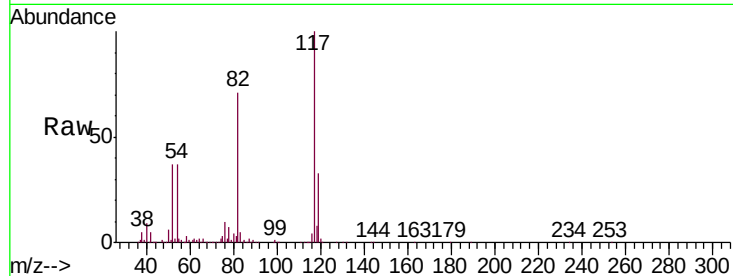




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL034385.D
Acq: 19 Nov 2019 18:52

Instrument :
MSVOA_L
ClientSampleId :
QC110419 CAN 10332

Tgt Ion: 117 Resp: 1874151
Ion Ratio Lower Upper
117 100
82 73.5 57.5 86.3
119 33.6 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.268 ppbv
RT: 14.47 min Scan# 3634
Delta R.T. -0.01 min
Lab File: VL034385.D
Acq: 19 Nov 2019 18:52

Tgt Ion: 95 Resp: 1618966
Ion Ratio Lower Upper
95 100
174 65.9 52.2 78.2
175 4.8 3.8 5.8

