

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102519\
 Data File : VL034365.D
 Acq On : 25 Oct 2019 15:43
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Oct 25 23:28:30 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	772156	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1561001	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.14	117	1531669	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1300007	10.02	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

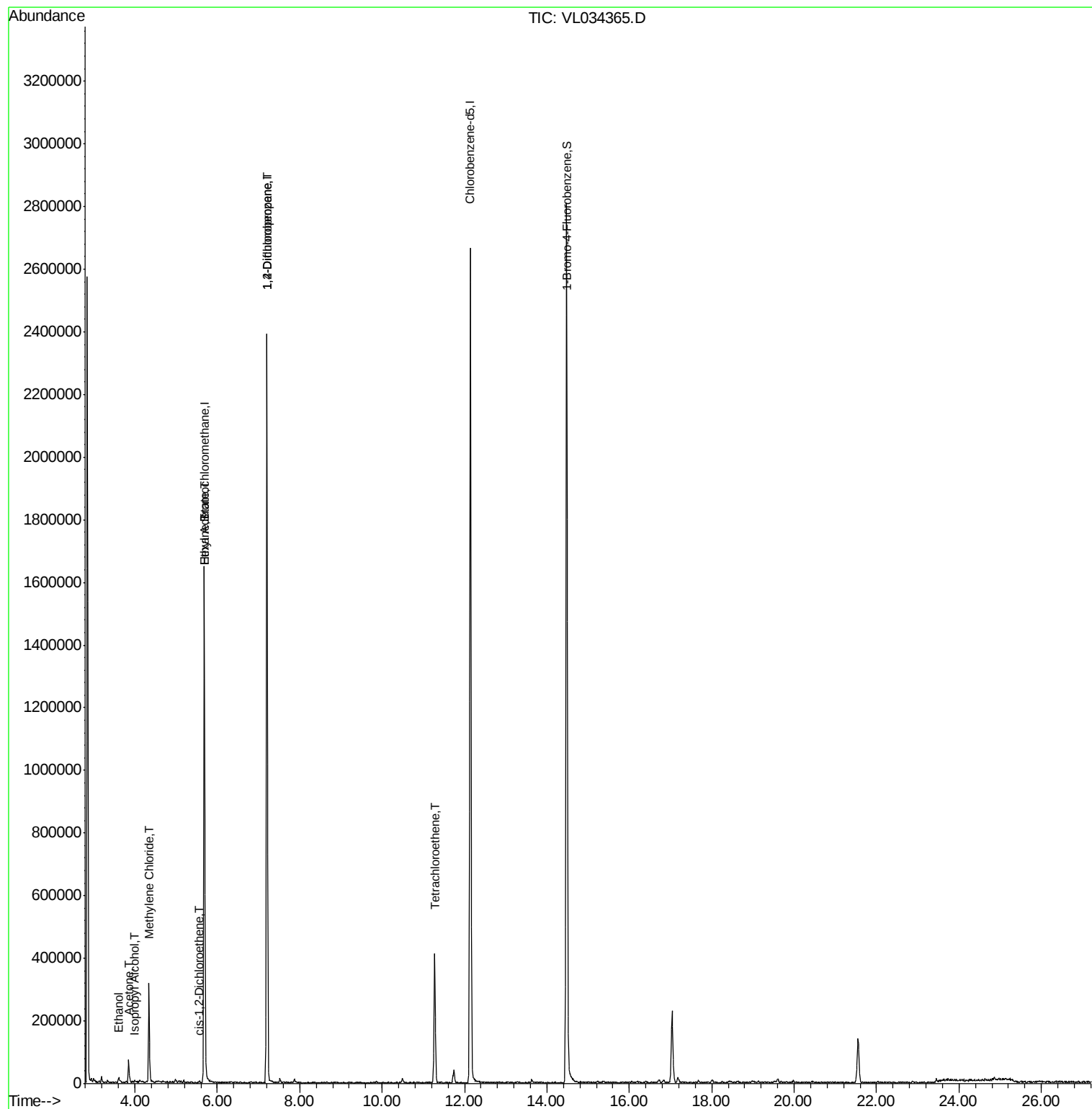
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.60	45	2680	0.298	ppbv #	36
15) Acetone	3.85	43	65453	0.593	ppbv	93
19) Isopropyl Alcohol	3.99	45	2359	0.038	ppbv #	95
20) Methylene Chloride	4.34	84	99440	2.490	ppbv #	90
25) Ethyl Acetate	5.70	43	23205	0.124	ppbv #	77
26) Hexane	5.70	57	14369	0.181	ppbv #	39
31) cis-1,2-Dichloroethene	5.56	61	3237	0.040	ppbv #	47
39) 1,2-Dichloropropane	7.20	63	454141	7.042	ppbv #	22
52) Tetrachloroethene	11.28	164	93204	1.588	ppbv	84

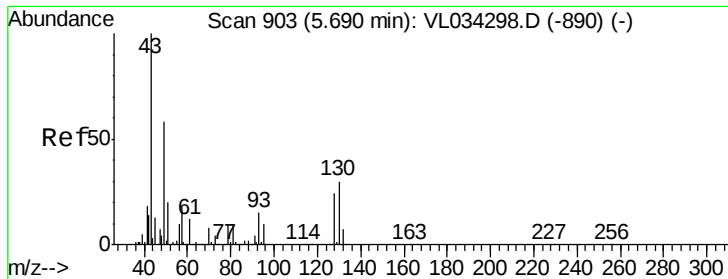
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

VIBLK

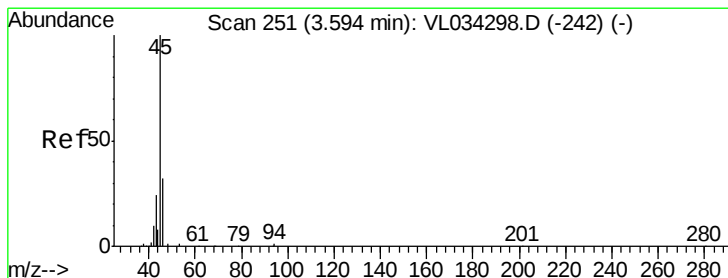
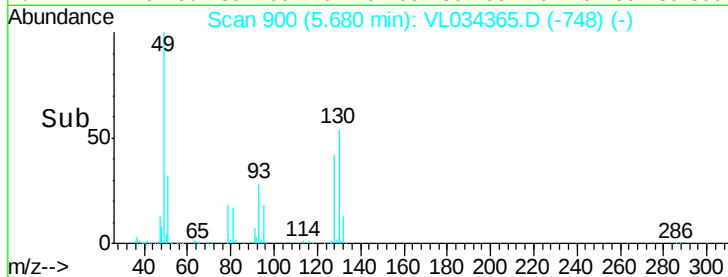
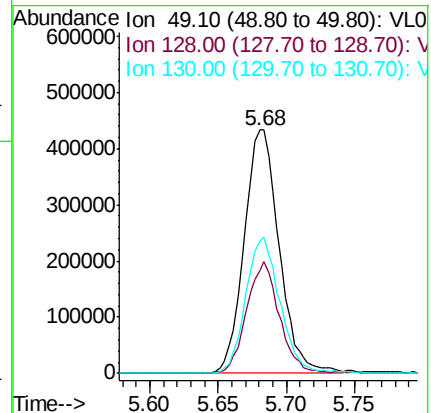
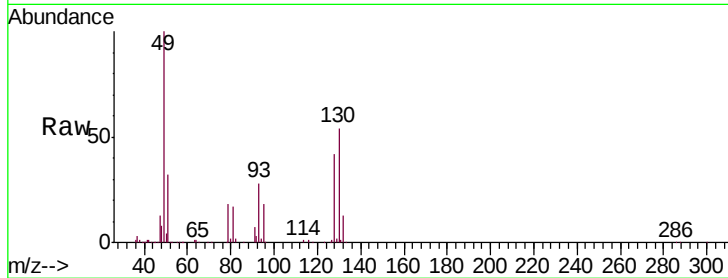
Tgt Ion: 49 Resp: 772156

Ion Ratio Lower Upper

49 100

128 43.1 20.6 61.8

130 55.3 26.2 78.5



#13

Ethanol

Concen: 0.298 ppbv

RT: 3.60 min Scan# 252

Delta R.T. 0.00 min

Lab File: VL034365.D

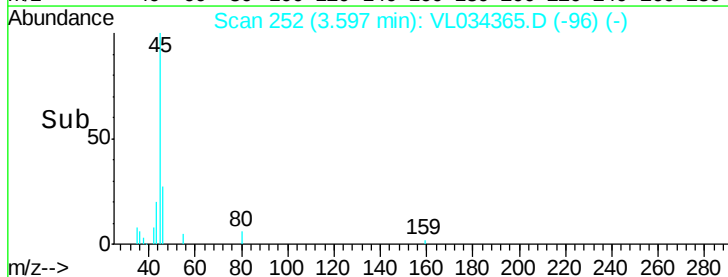
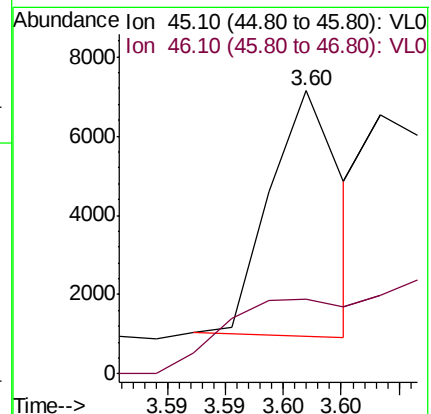
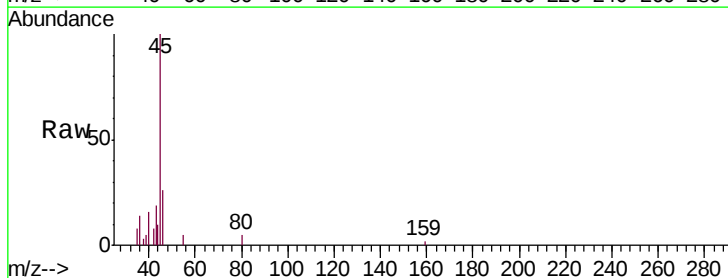
Acq: 25 Oct 2019 15:43

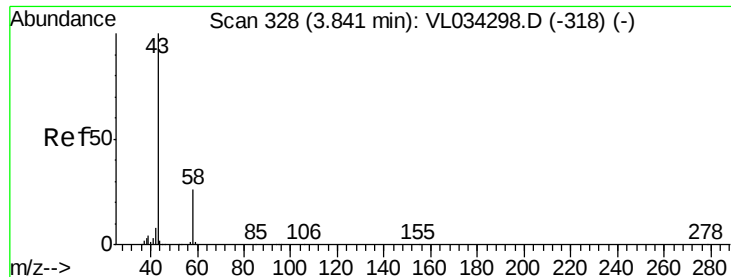
Tgt Ion: 45 Resp: 2680

Ion Ratio Lower Upper

45 100

46 0.0 15.8 63.2#





#15

Acetone

Concen: 0.593 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL034365.D

Acq: 25 Oct 2019 15:43

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MSVOA_L

ClientSampleId :

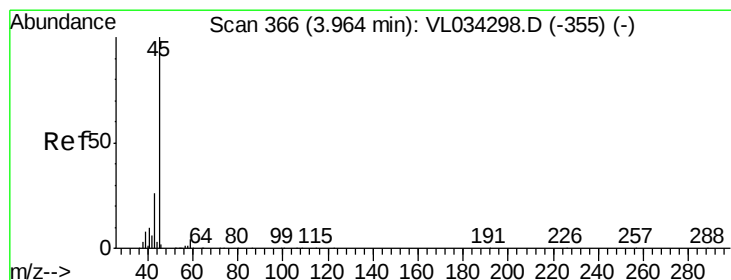
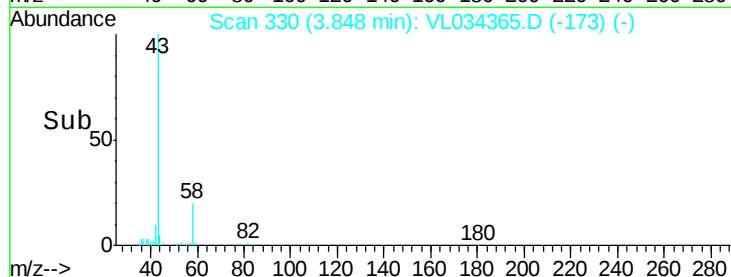
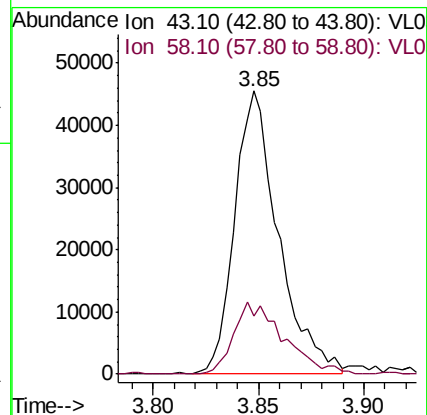
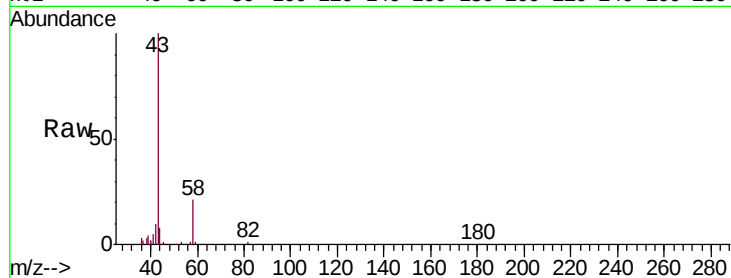
VIBLK

Tgt Ion: 43 Resp: 65453

Ion Ratio Lower Upper

43 100

58 29.0 20.4 30.6



#19

Isopropyl Alcohol

Concen: 0.038 ppbv

RT: 3.99 min Scan# 374

Delta R.T. 0.03 min

Lab File: VL034365.D

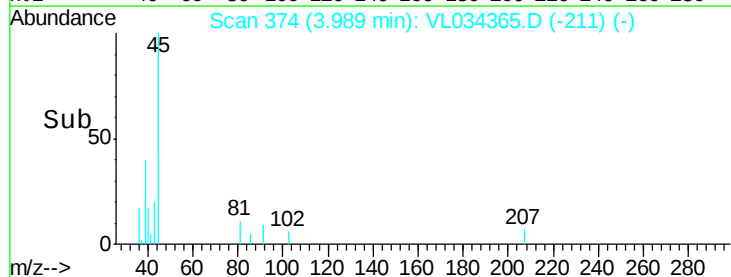
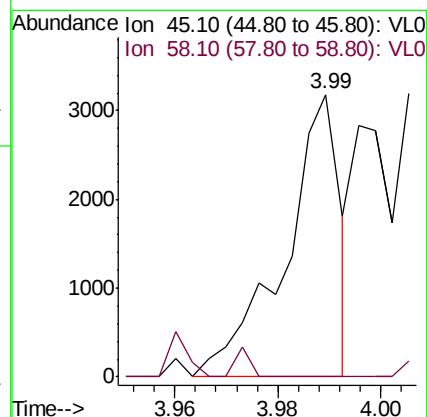
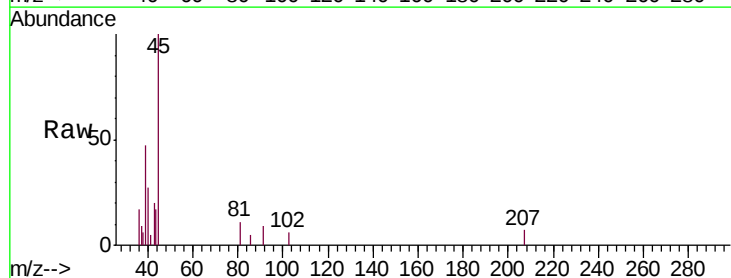
Acq: 25 Oct 2019 15:43

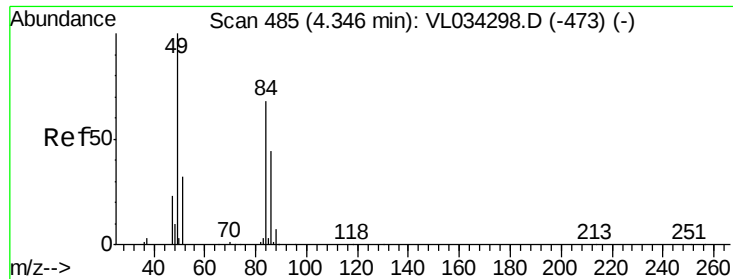
Tgt Ion: 45 Resp: 2359

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#

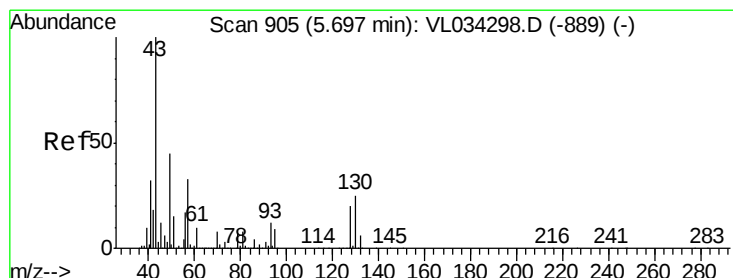
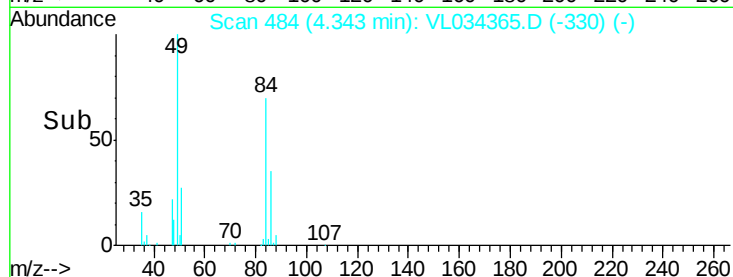
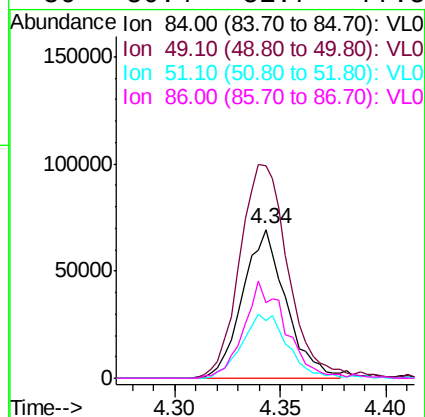
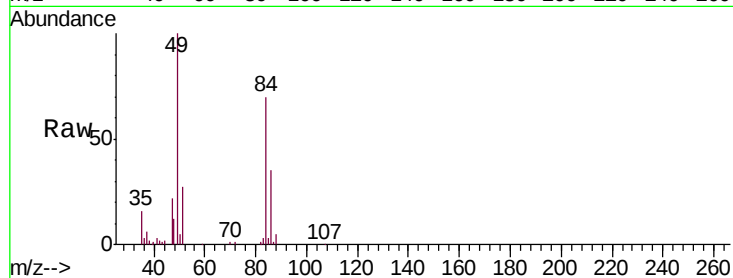




#20
Methylene Chloride
Concen: 2.490 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL034365.D
Acq: 25 Oct 2019 15:43

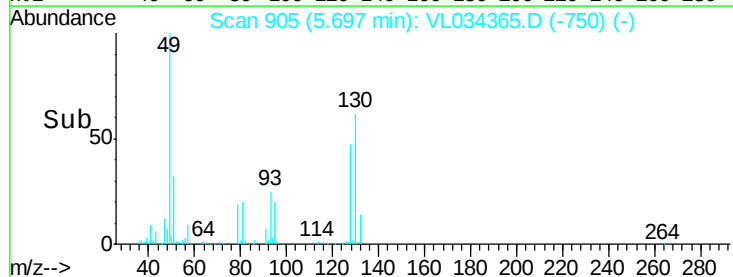
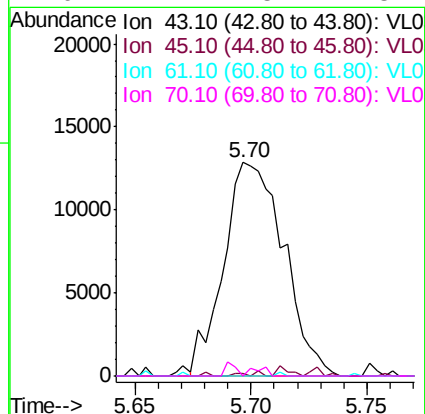
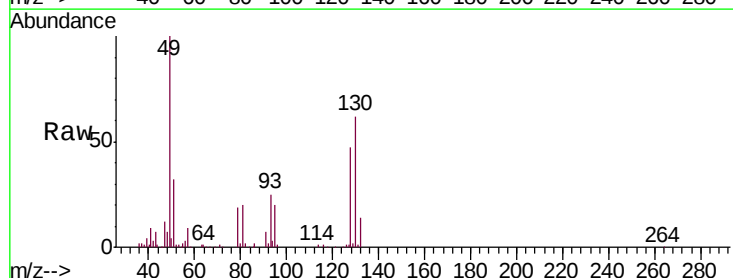
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

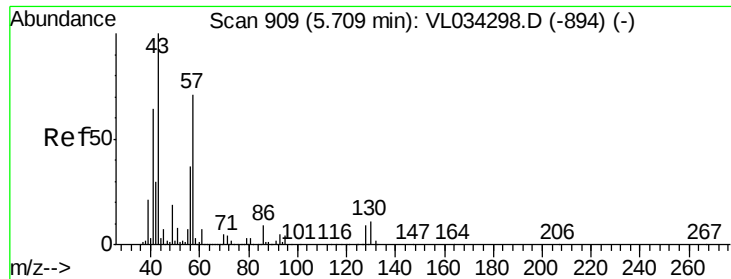
Tgt Ion: 84 Resp: 99440
Ion Ratio Lower Upper
84 100
49 142.3 118.5 177.7
51 38.5 38.8 58.2#
86 50.4 51.7 77.5#



#25
Ethyl Acetate
Concen: 0.124 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL034365.D
Acq: 25 Oct 2019 15:43

Tgt Ion: 43 Resp: 23205
Ion Ratio Lower Upper
43 100
45 0.5 8.3 12.5#
61 0.0 7.7 11.5#
70 2.2 5.4 8.2#





#26

Hexane

Concen: 0.181 ppbv

RT: 5.70 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL034365.D

Acq: 25 Oct 2019 15:43

Instrument :

MSVOA_L

ClientSampled :

VIBLK

Tgt Ion: 57 Resp: 14369

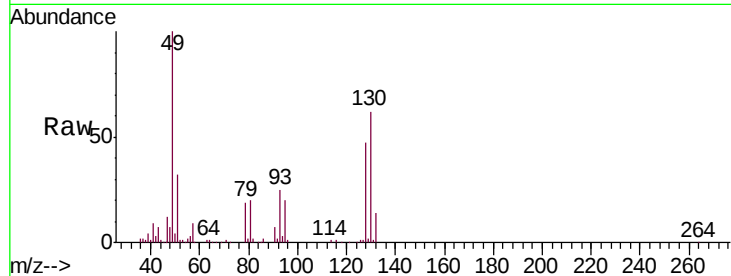
Ion Ratio Lower Upper

57 100

41 0.0 76.5 114.7#

43 164.3 188.5 282.7#

56 0.0 42.8 64.2#

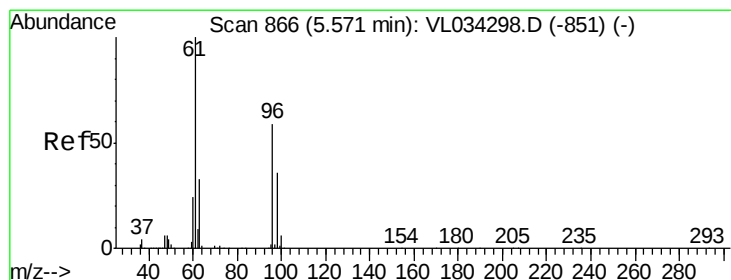
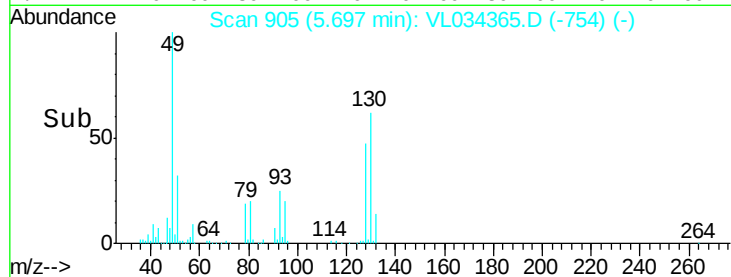
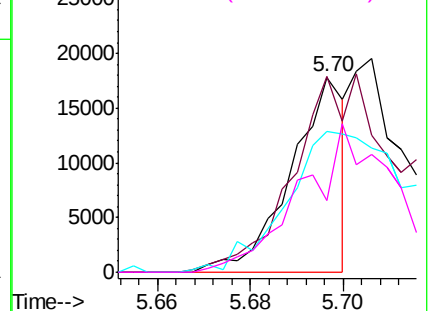


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#31

cis-1,2-Dichloroethene

Concen: 0.040 ppbv

RT: 5.56 min Scan# 862

Delta R.T. -0.01 min

Lab File: VL034365.D

Acq: 25 Oct 2019 15:43

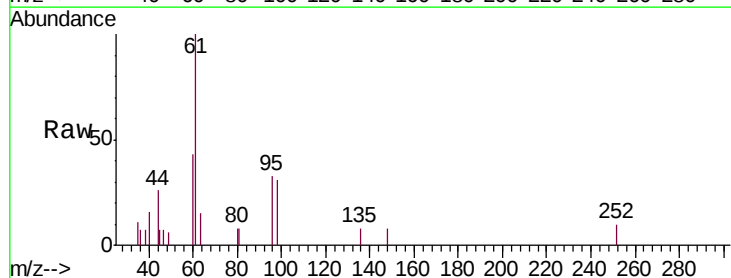
Tgt Ion: 61 Resp: 3237

Ion Ratio Lower Upper

61 100

96 0.0 47.5 71.3#

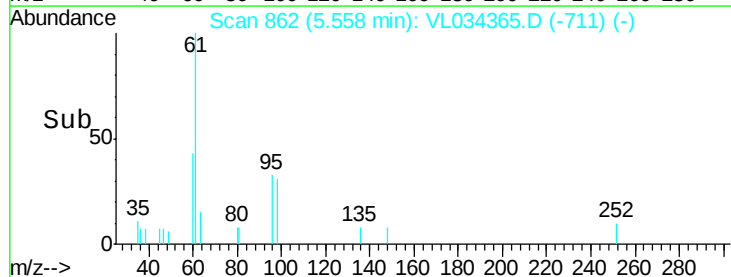
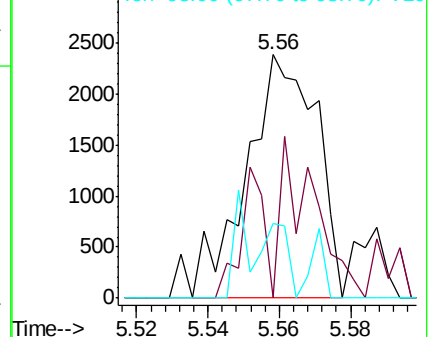
98 30.6 28.8 43.2

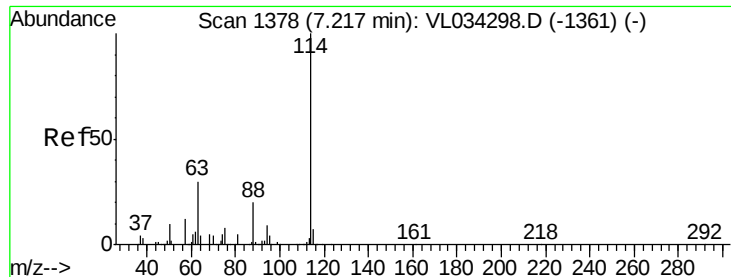


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0

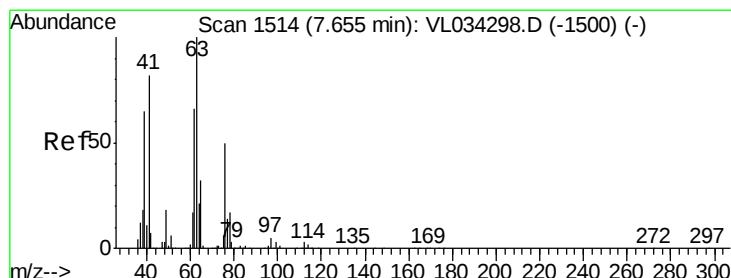
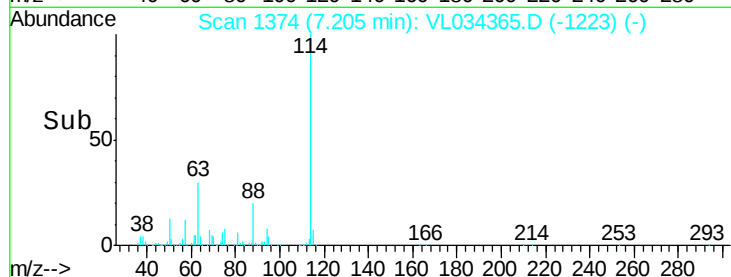
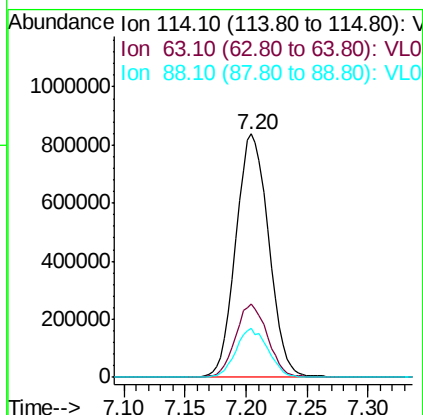
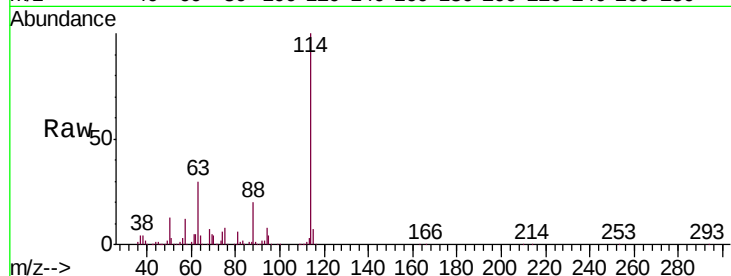




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VL034365.D
 Acq: 25 Oct 2019 15:43

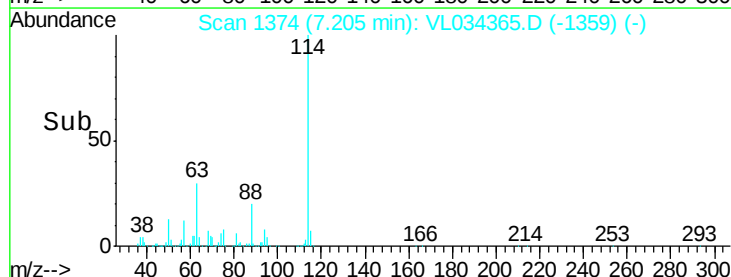
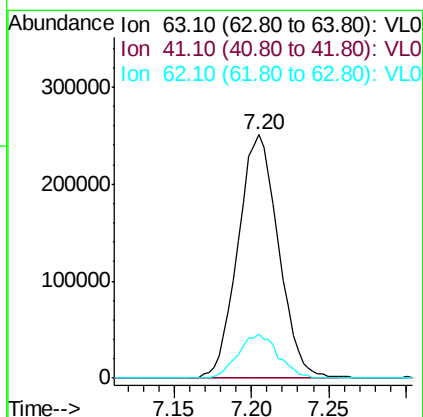
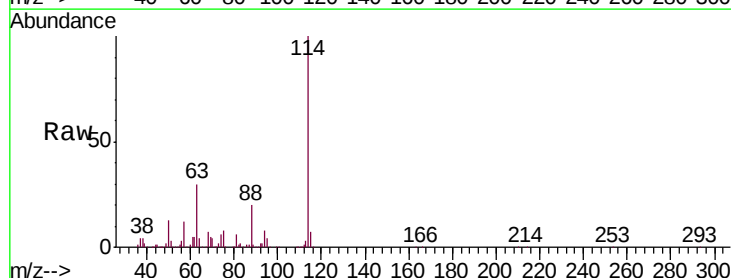
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

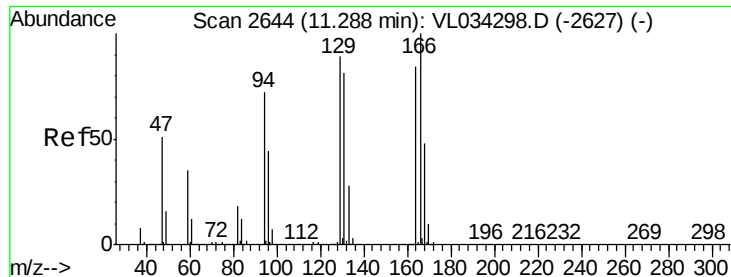
Tgt Ion: 114 Resp: 1561001
 Ion Ratio Lower Upper
 114 100
 63 29.3 25.2 37.8
 88 19.6 16.0 24.0



#39
 1,2-Dichloropropane
 Concen: 7.042 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. -0.45 min
 Lab File: VL034365.D
 Acq: 25 Oct 2019 15:43

Tgt Ion: 63 Resp: 454141
 Ion Ratio Lower Upper
 63 100
 41 0.0 65.6 98.4#
 62 18.0 53.0 79.6#





#52

Tetrachloroethene

Concen: 1.588 ppbv

RT: 11.28 min Scan# 2640

Delta R.T. -0.01 min

Lab File: VL034365.D

Acq: 25 Oct 2019 15:43

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion:164 Resp: 93204

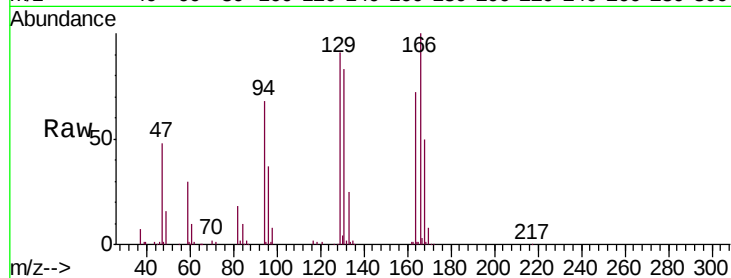
Ion Ratio Lower Upper

164 100

166 136.0 95.3 142.9

129 124.2 84.5 126.7

131 112.4 77.3 115.9

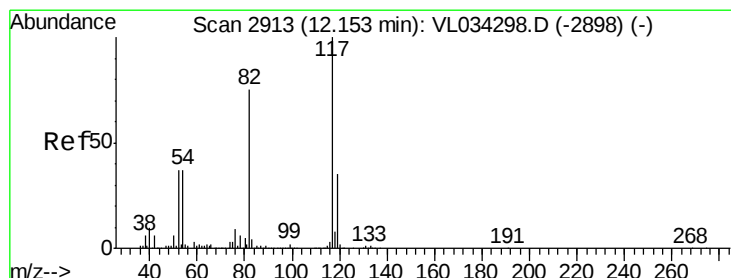
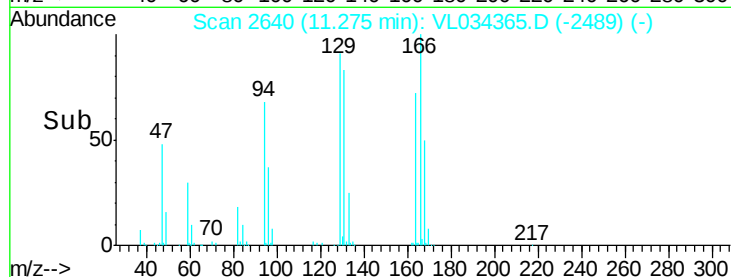
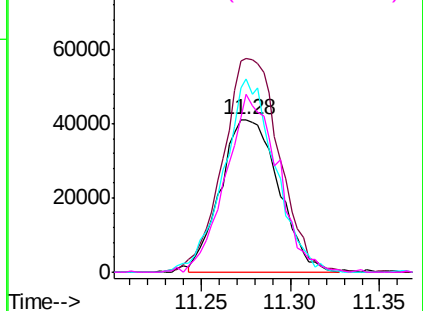


Abundance Ion 163.90 (163.60 to 164.60): V

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: VL034365.D

Acq: 25 Oct 2019 15:43

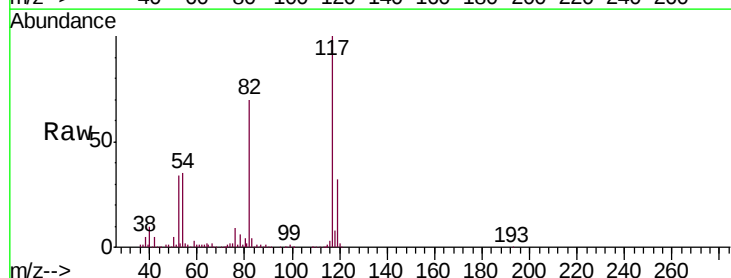
Tgt Ion:117 Resp: 1531669

Ion Ratio Lower Upper

117 100

82 72.5 55.5 83.3

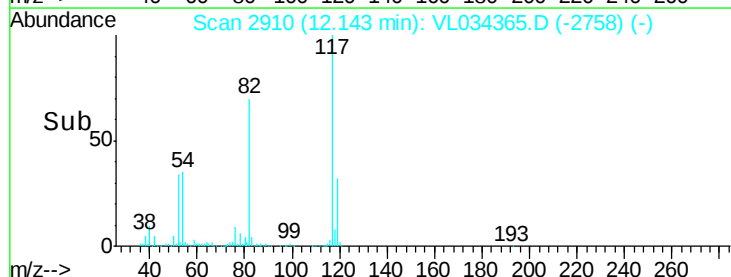
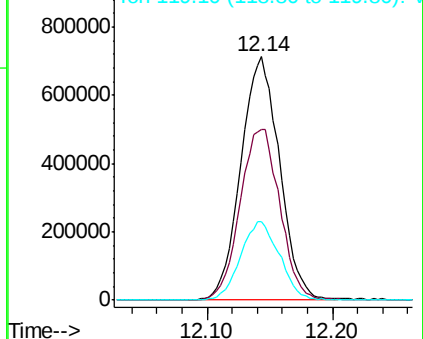
119 32.6 26.5 39.7

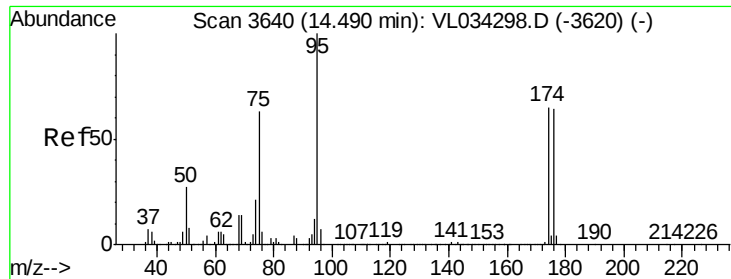


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.021 ppbv

RT: 14.48 min Scan# 3636

Delta R.T. -0.01 min

Lab File: VL034365.D

Acq: 25 Oct 2019 15:43

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 95 Resp: 1300007

Ion Ratio Lower Upper

95 100

174 66.3 52.6 78.8

175 4.9 3.8 5.6

