

Data File : VL034166.D
Acq On : 12 Sep 2019 21:00
Operator : SY/AP
Sample : K4775-04DL2 200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

Quant Time: Sep 13 01:49:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1263767	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.22	114	2074930	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.17	117	2056193	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1799854	10.71	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.10%

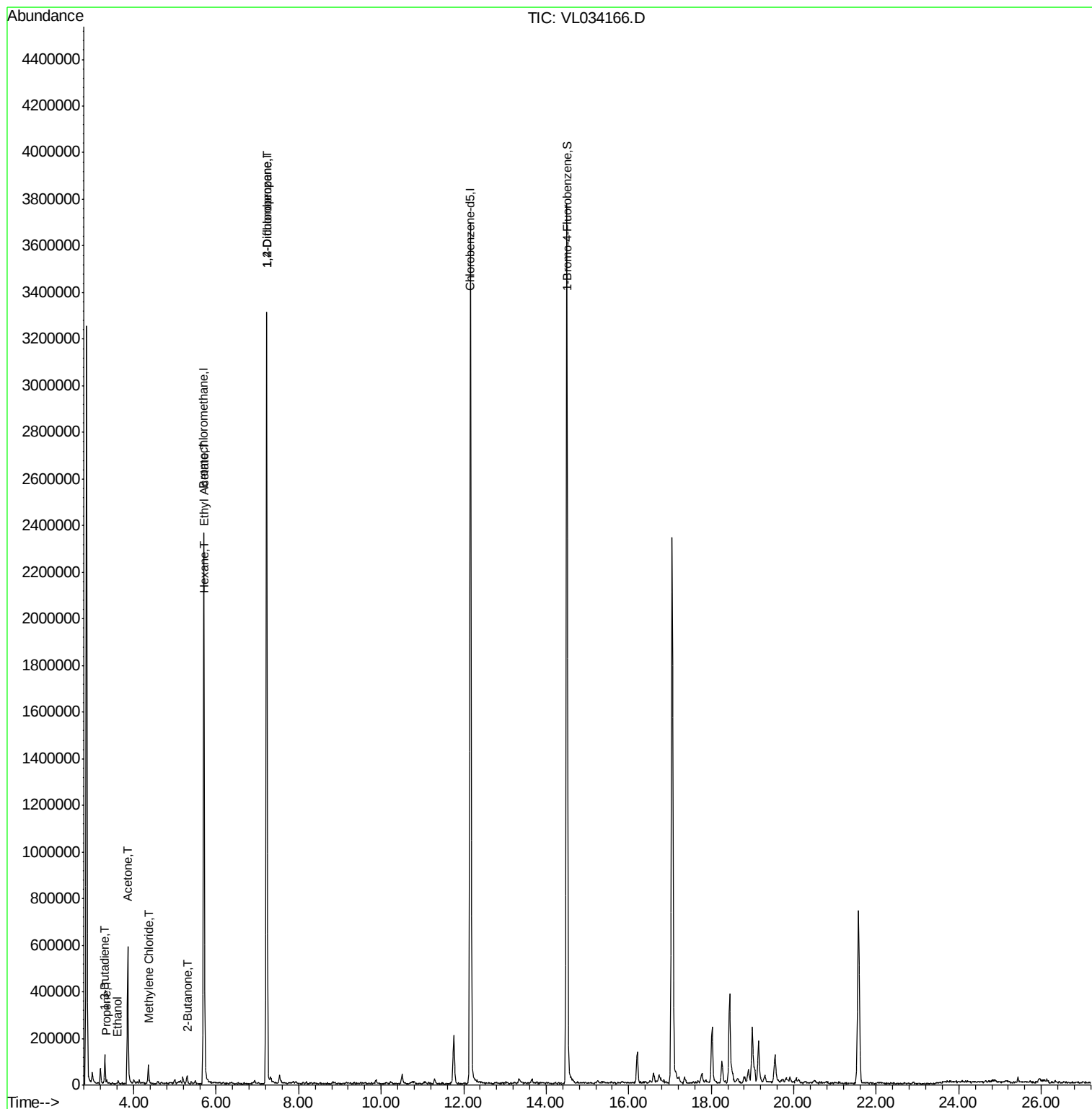
Target Compounds						Qvalue
9) Propene	3.35	41	3075	0.039	ppbv	86
13) Ethanol	3.61	45	1975	0.128	ppbv #	37
15) Acetone	3.85	43	607238	3.987	ppbv	98
16) 1,3-Butadiene	3.30	39	32220	0.418	ppbv #	16
20) Methylene Chloride	4.37	84	4066	0.081	ppbv	95
25) Ethyl Acetate	5.71	43	10586	0.032	ppbv #	80
26) Hexane	5.72	57	9600	0.065	ppbv #	30
34) 2-Butanone	5.29	43	41065	0.206	ppbv	96
39) 1,2-Dichloropropane	7.22	63	704832	6.944	ppbv #	26

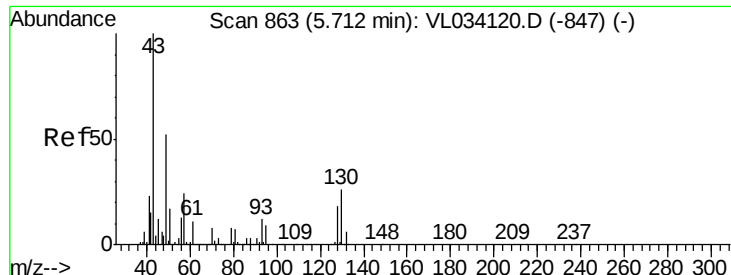
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 905

Delta R.T. -0.02 min

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SV4DL2

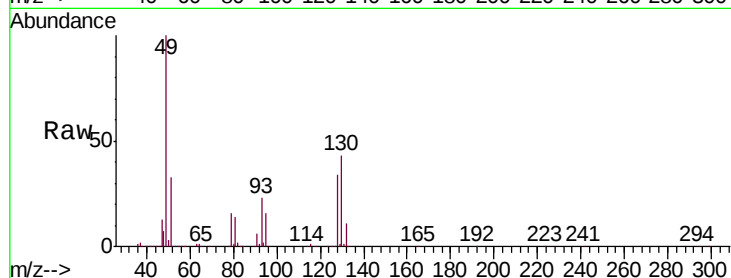
Tgt Ion: 49 Resp: 1263767

Ion Ratio Lower Upper

49 100

128 35.2 18.4 55.0

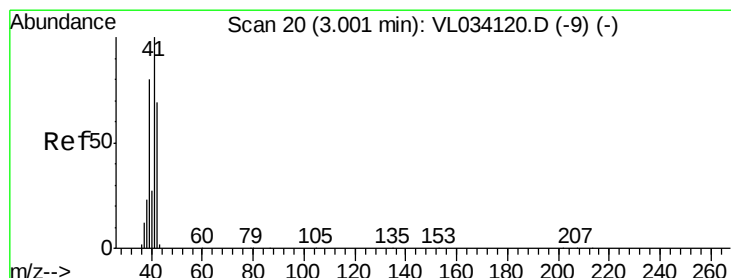
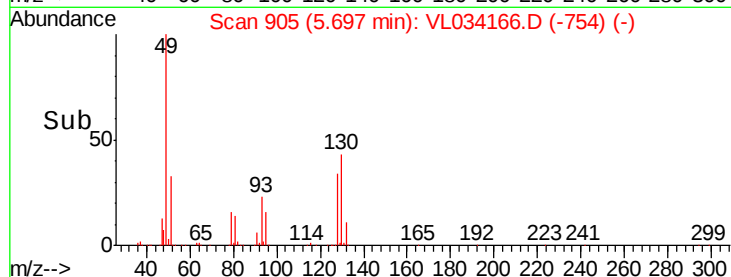
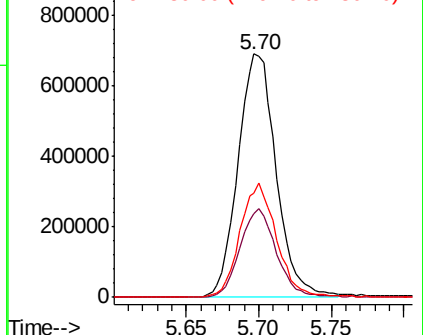
130 45.0 23.5 70.6



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



#9

Propene

Concen: 0.039 ppbv

RT: 3.35 min Scan# 175

Delta R.T. 0.35 min

Lab File: VL034166.D

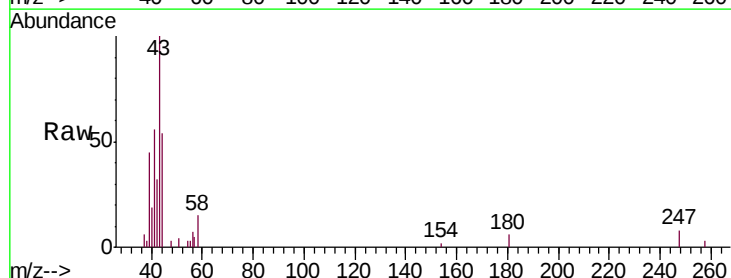
Acq: 12 Sep 2019 21:00

Tgt Ion: 41 Resp: 3075

Ion Ratio Lower Upper

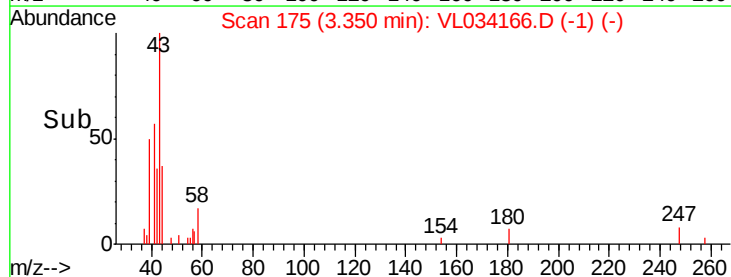
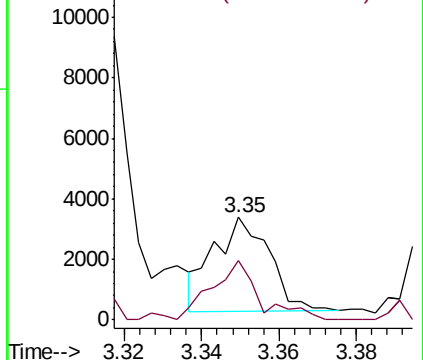
41 100

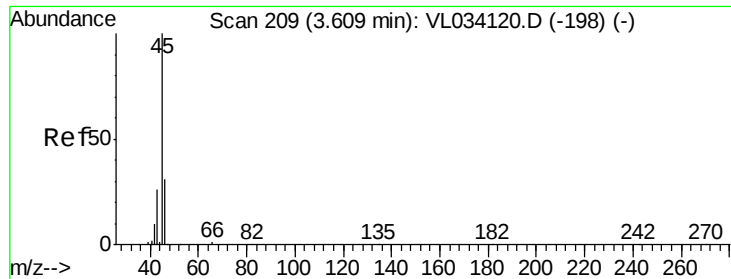
42 56.7 54.6 81.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.128 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL034166.D

Acq: 12 Sep 2019 21:00

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ClientSampleId :

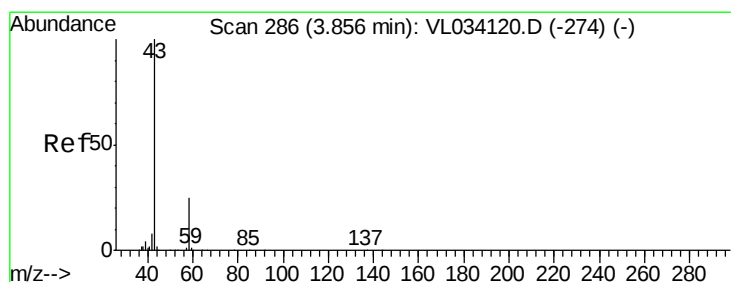
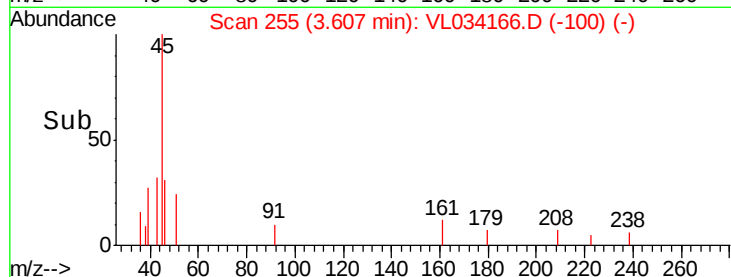
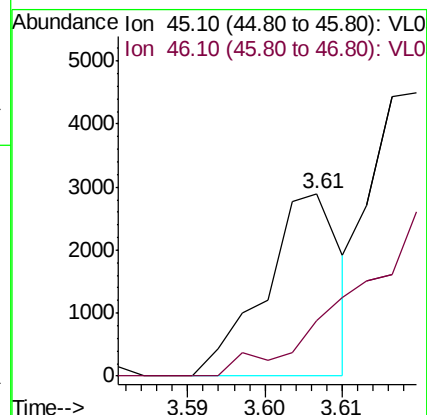
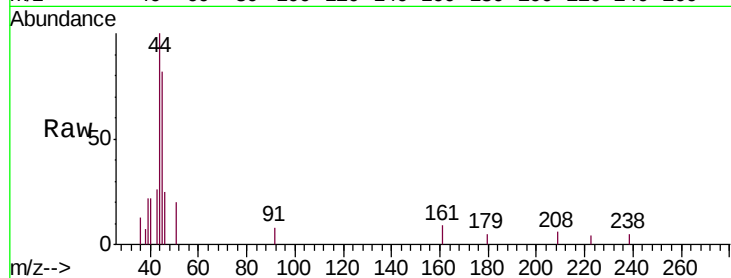
SV4DL2

Tgt Ion: 45 Resp: 1975

Ion Ratio Lower Upper

45 100

46 0.0 15.0 60.0#



#15

Acetone

Concen: 3.987 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.01 min

Lab File: VL034166.D

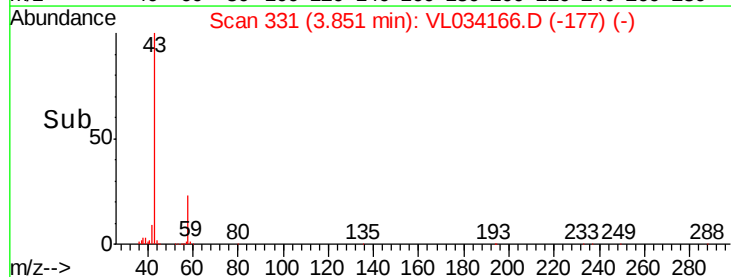
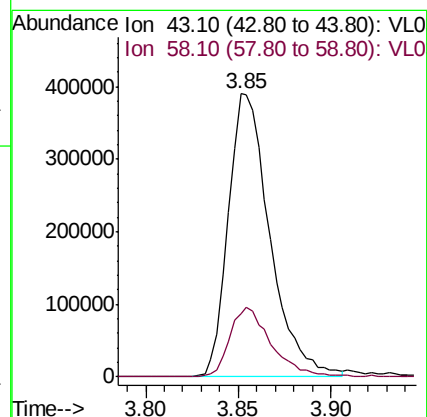
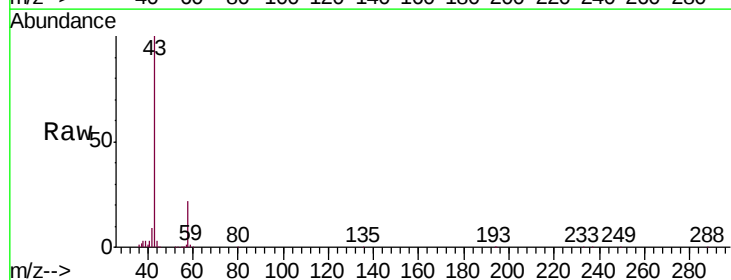
Acq: 12 Sep 2019 21:00

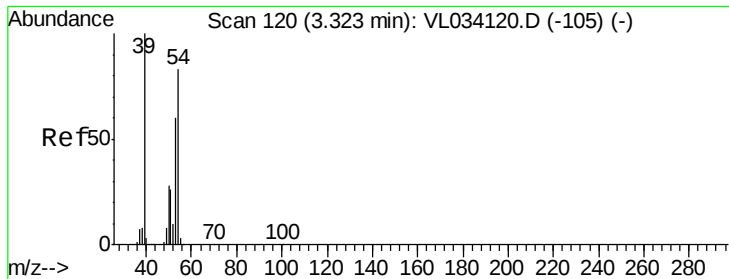
Tgt Ion: 43 Resp: 607238

Ion Ratio Lower Upper

43 100

58 24.9 20.6 30.8

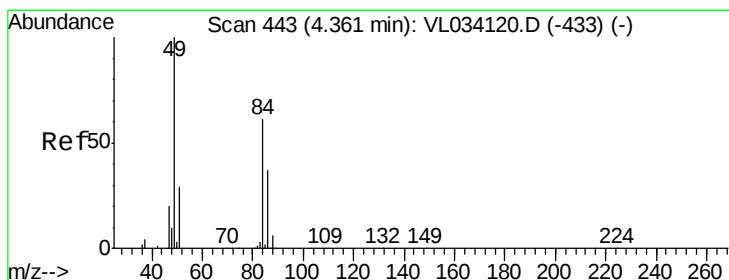
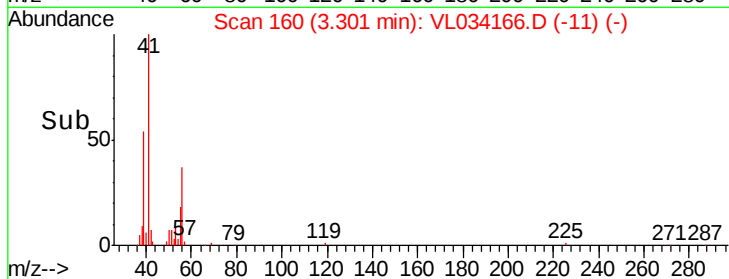
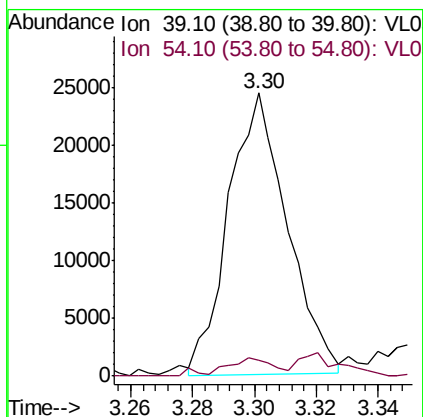
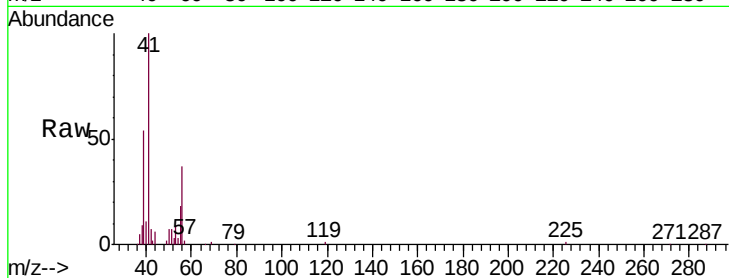




#16
 1,3-Butadiene
 Concen: 0.418 ppbv
 RT: 3.30 min Scan# 160
 Delta R.T. -0.02 min
 Lab File: VL034166.D
 Acq: 12 Sep 2019 21:00

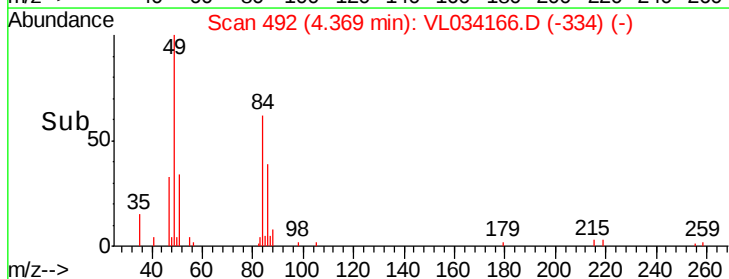
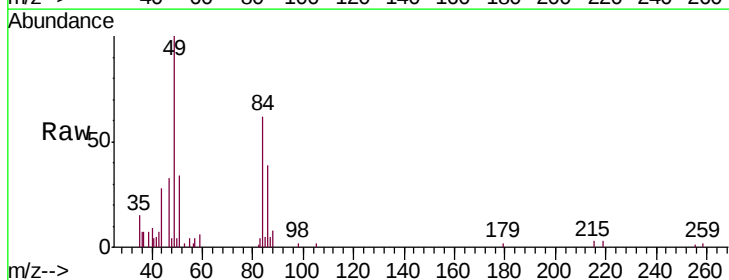
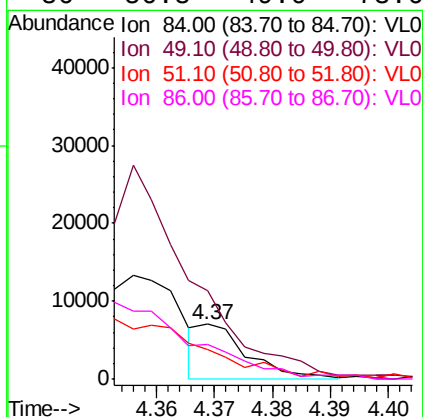
Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL2

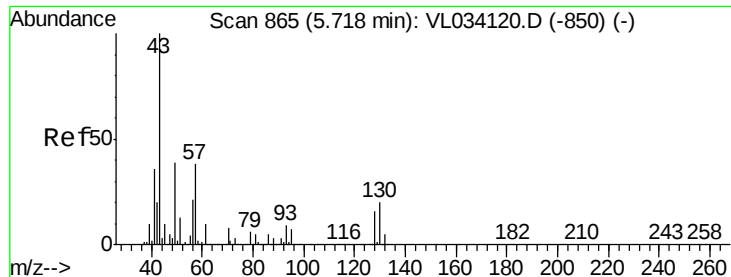
Tgt Ion: 39 Resp: 32220
 Ion Ratio Lower Upper
 39 100
 54 5.2 63.5 95.3#



#20
 Methylene Chloride
 Concen: 0.081 ppbv
 RT: 4.37 min Scan# 492
 Delta R.T. 0.01 min
 Lab File: VL034166.D
 Acq: 12 Sep 2019 21:00

Tgt Ion: 84 Resp: 4066
 Ion Ratio Lower Upper
 84 100
 49 158.0 131.0 196.6
 51 51.2 38.1 57.1
 86 56.8 49.0 73.6

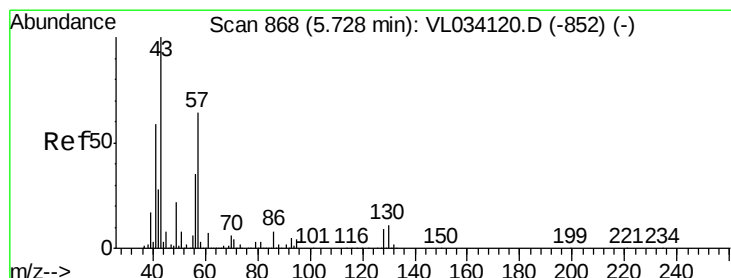
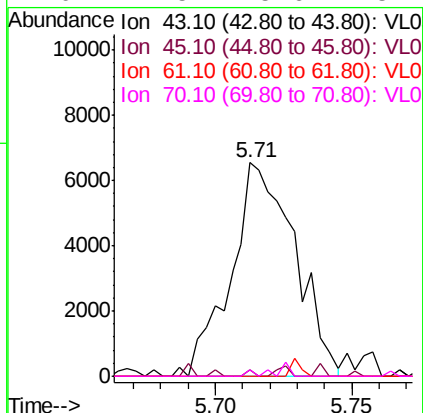
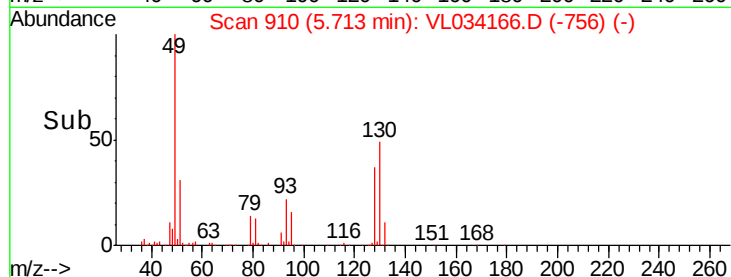
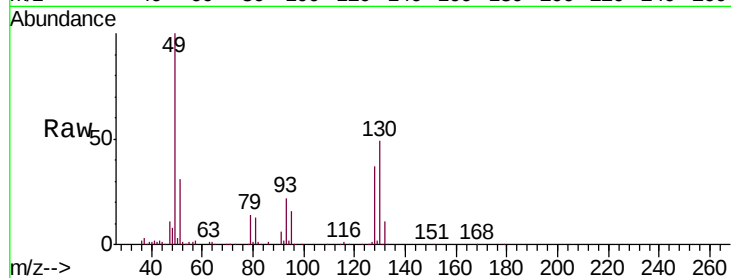




#25
Ethyl Acetate
Concen: 0.032 ppbv
RT: 5.71 min Scan# 910
Delta R.T. -0.01 min
Lab File: VL034166.D
Acq: 12 Sep 2019 21:00

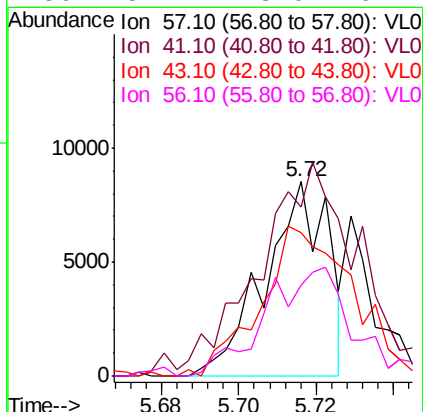
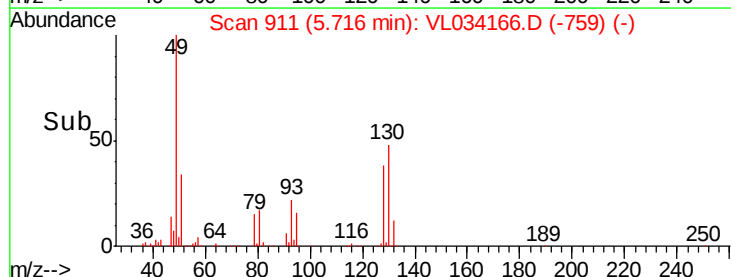
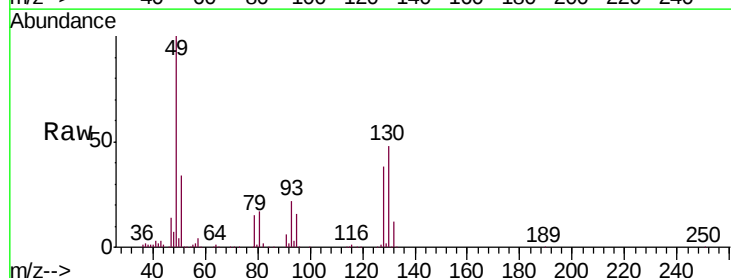
Instrument :
MSVOA_L
ClientSampleID :
SV4DL2

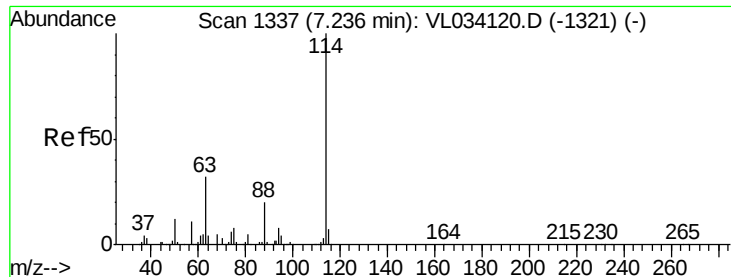
Tgt Ion:	43	Resp:	10586
Ion	Ratio	Lower	Upper
43	100		
45	2.0	8.2	12.4#
61	2.1	7.4	11.2#
70	1.5	5.6	8.4#



#26
Hexane
Concen: 0.065 ppbv
RT: 5.72 min Scan# 911
Delta R.T. -0.01 min
Lab File: VL034166.D
Acq: 12 Sep 2019 21:00

Tgt Ion:	57	Resp:	9600
Ion	Ratio	Lower	Upper
57	100		
41	180.4	76.6	115.0#
43	119.0	189.2	283.8#
56	82.2	43.0	64.4#

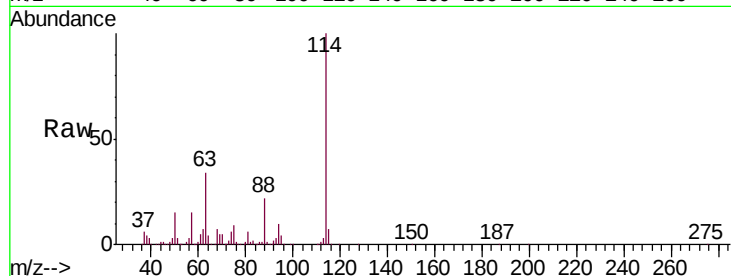




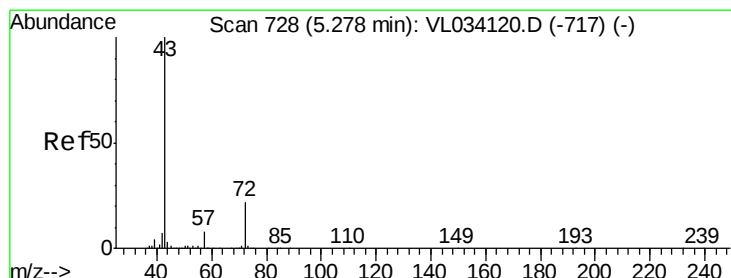
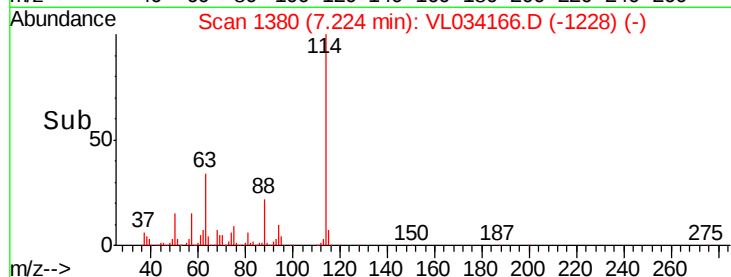
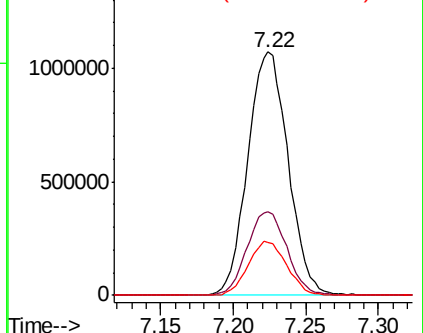
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: VL034166.D
 Acq: 12 Sep 2019 21:00

Instrument :
 MSVOA_L
 ClientSampleID :
 SV4DL2

Tgt Ion: 114 Resp: 2074930
 Ion Ratio Lower Upper
 114 100
 63 34.2 25.5 38.3
 88 21.4 16.8 25.2

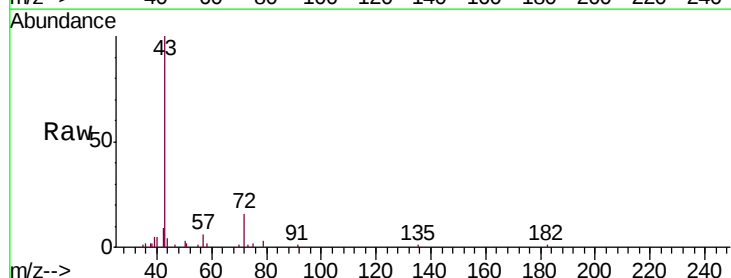


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

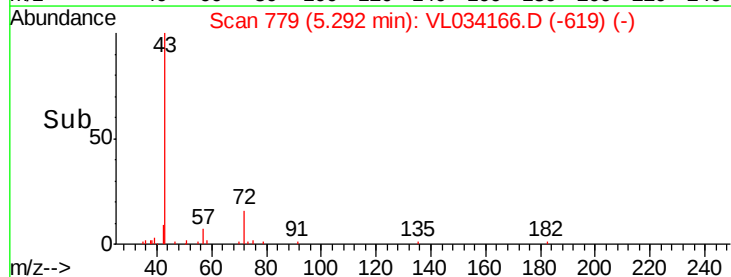
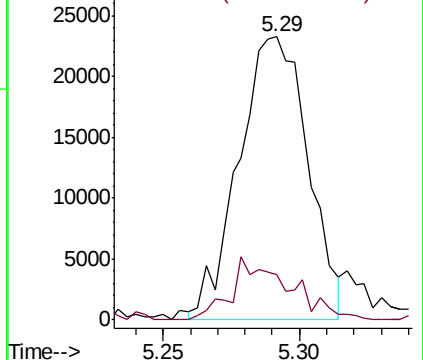


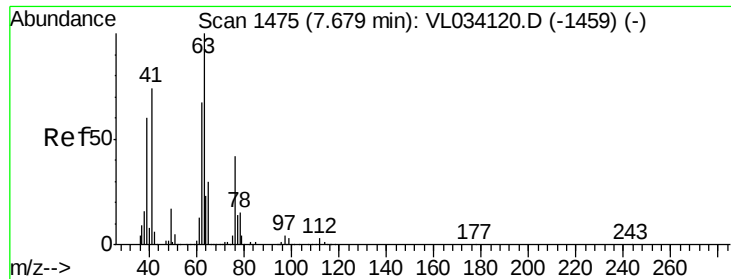
#34
 2-Butanone
 Concen: 0.206 ppbv
 RT: 5.29 min Scan# 779
 Delta R.T. 0.01 min
 Lab File: VL034166.D
 Acq: 12 Sep 2019 21:00

Tgt Ion: 43 Resp: 41065
 Ion Ratio Lower Upper
 43 100
 72 18.6 16.5 24.7



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#39

1,2-Dichloropropane

Concen: 6.944 ppbv

RT: 7.22 min Scan# 1380

Delta R.T. -0.46 min

Lab File: VL034166.D

Acq: 12 Sep 2019 21:00

Instrument :

MSVOA_L

ClientSampleId :

SV4DL2

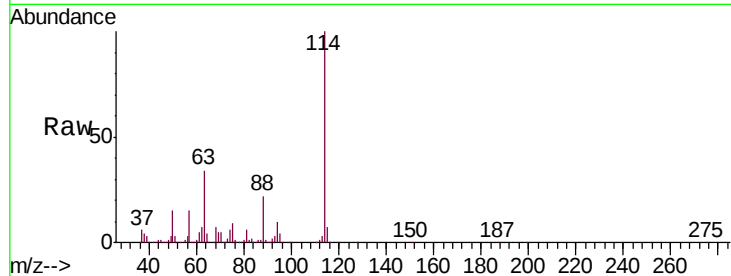
Tgt Ion: 63 Resp: 704832

Ion Ratio Lower Upper

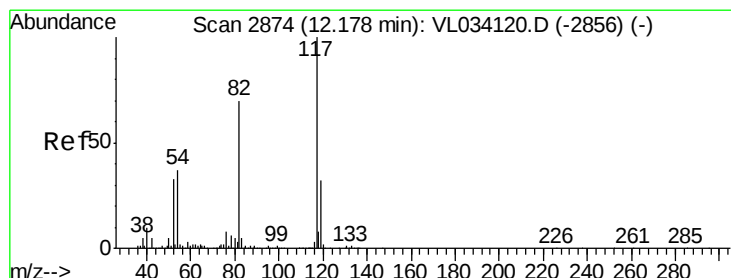
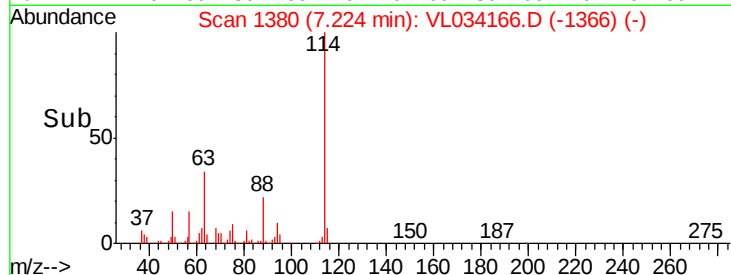
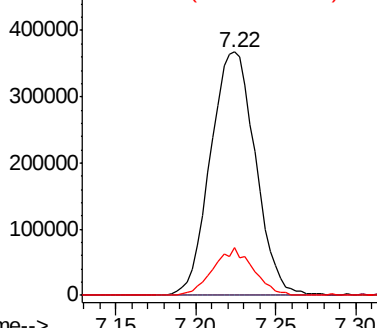
63 100

41 0.0 59.3 88.9#

62 19.3 53.8 80.6#



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: 12.17 min Scan# 2917

Delta R.T. -0.01 min

Lab File: VL034166.D

Acq: 12 Sep 2019 21:00

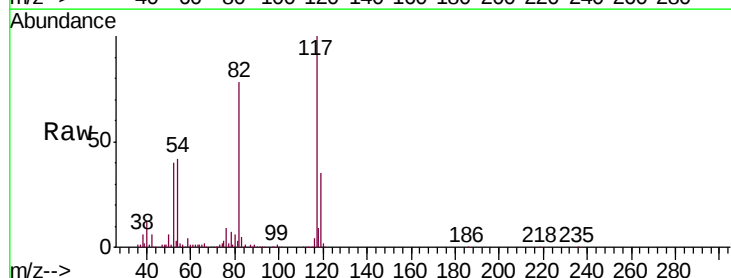
Tgt Ion: 117 Resp: 2056193

Ion Ratio Lower Upper

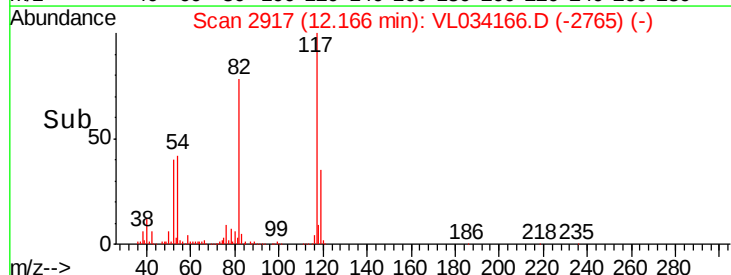
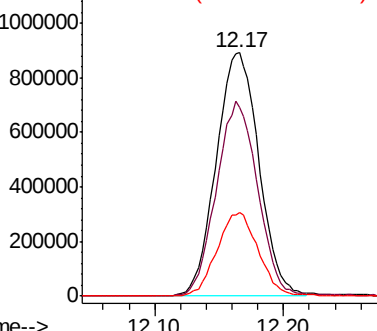
117 100

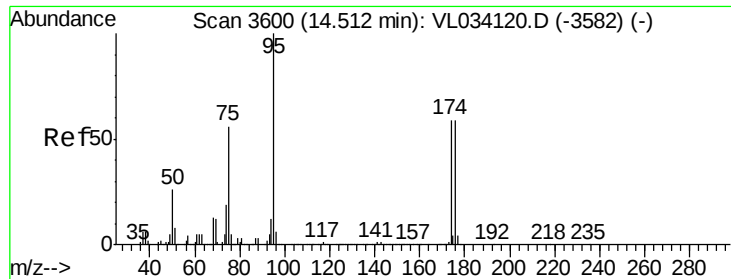
82 78.3 55.8 83.6

119 33.4 43.1 64.7#



Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.707 ppbv

RT: 14.50 min Scan# 3643

Delta R.T. -0.01 min

Lab File: VL034166.D

Acq: 12 Sep 2019 21:00

Instrument :

MSVOA_L

ClientSampleId :

SV4DL2

Tgt Ion: 95 Resp: 1799854

Ion Ratio Lower Upper

95 100

174 56.3 48.1 72.1

175 4.1 3.5 5.3

