

Data File : VL034755.D
Acq On : 29 Feb 2020 3:05
Operator : SY/AP
Sample : L1698-01DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-8-4DL2

Quant Time: Mar 02 04:40:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	962080	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2035838	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1999352	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1695051	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.93	51	3923	0.038	ppbv #	62
13) Ethanol	3.60	45	10809	0.788	ppbv	79
15) Acetone	3.85	43	39995	0.365	ppbv #	75
16) 1,3-Butadiene	3.29	39	1059	0.021	ppbv #	7
19) Isopropyl Alcohol	3.98	45	11345	0.174	ppbv #	90
20) Methylene Chloride	4.33	84	8433	0.207	ppbv	85
23) Vinyl Acetate	5.08	43	3238	0.022	ppbv #	86
39) 1,2-Dichloropropane	7.19	63	559060	7.992	ppbv #	23
52) Tetrachloroethene	11.25	164	12919	0.200	ppbv #	81

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

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SS-8-4DL2

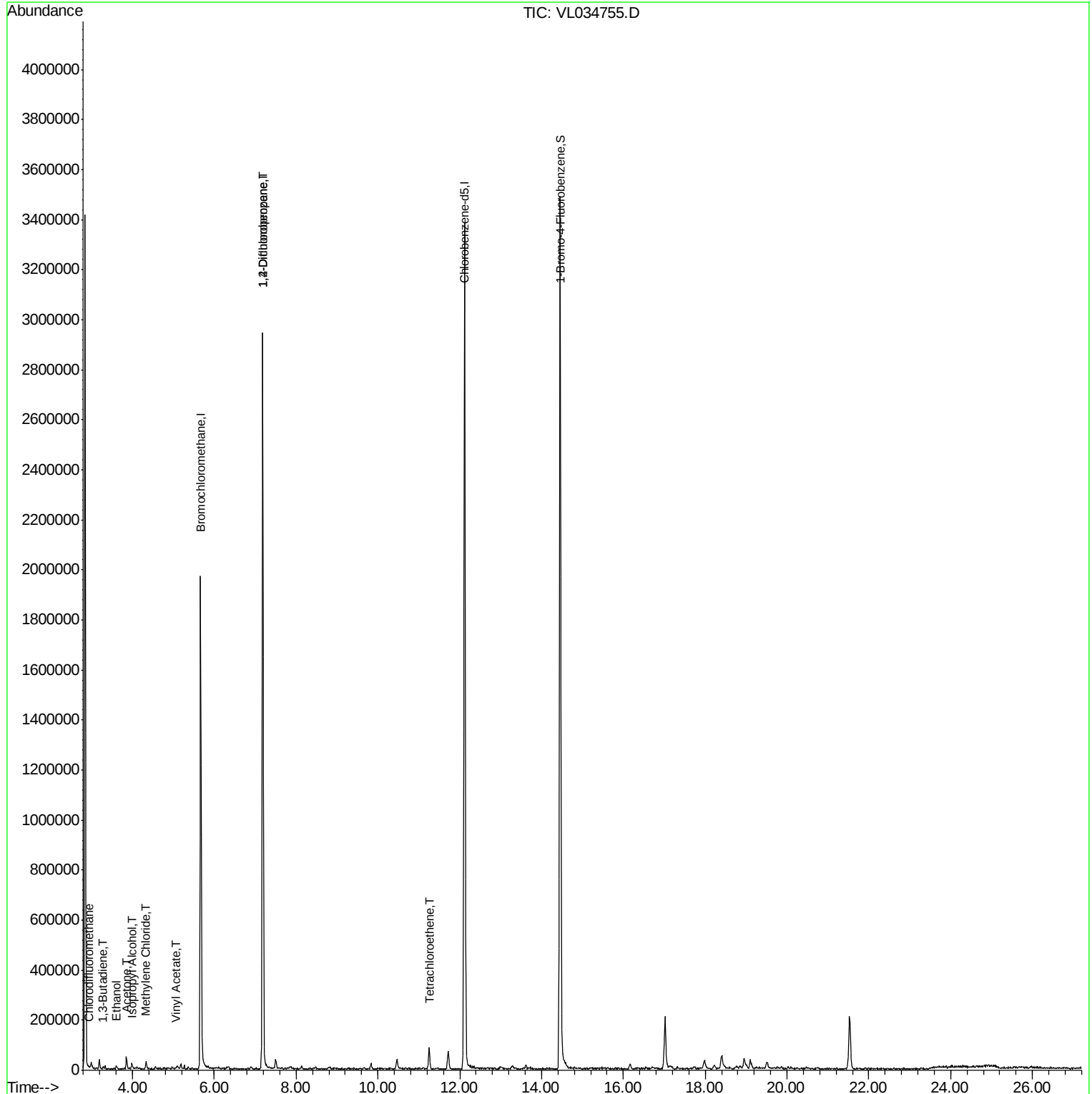
Quant Time: Mar 02 04:40:39 2020

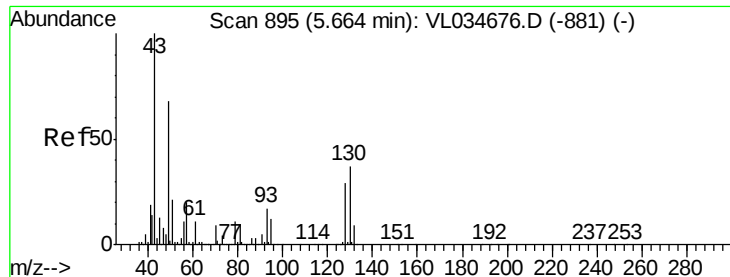
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020

QLast Update : Fri Feb 28 01:15:02 2020

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

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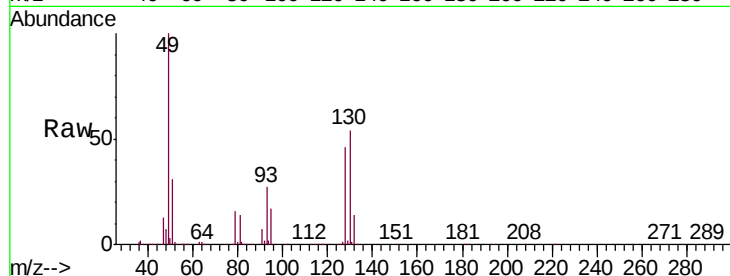
Tgt Ion: 49 Resp: 962080

Ion Ratio Lower Upper

49 100

128 45.3 21.6 65.0

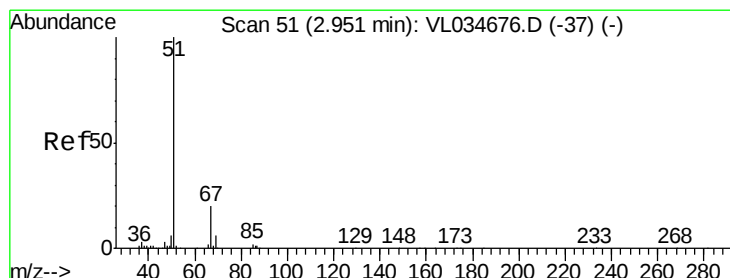
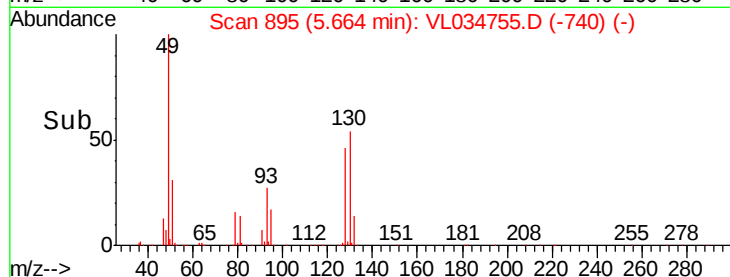
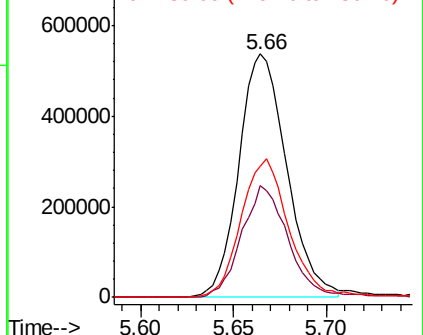
130 57.9 27.7 83.1



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: 0.038 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.02 min

Lab File: VL034755.D

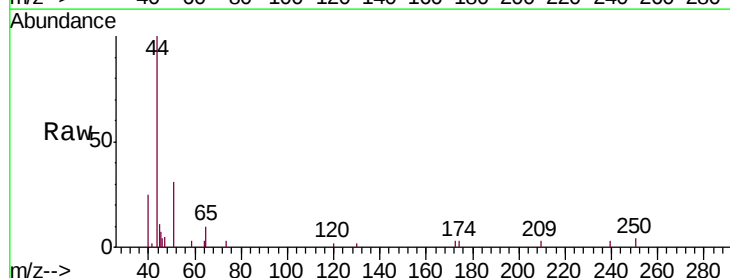
Acq: 29 Feb 2020 3:05

Tgt Ion: 51 Resp: 3923

Ion Ratio Lower Upper

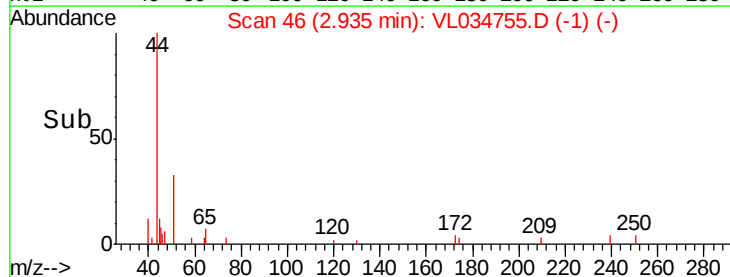
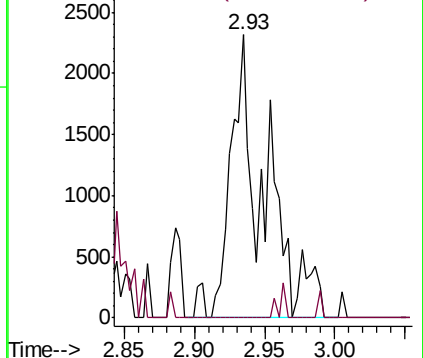
51 100

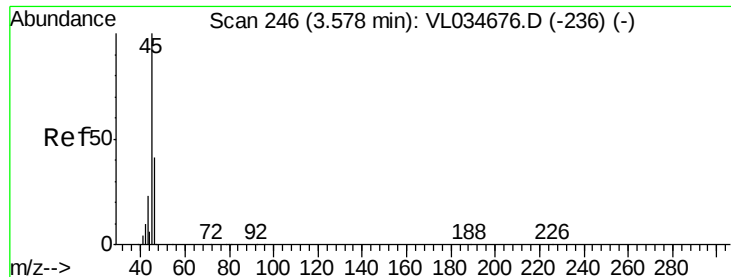
67 2.2 15.5 23.3#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#13

Ethanol

Concen: 0.788 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.03 min

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ClientSampleId :

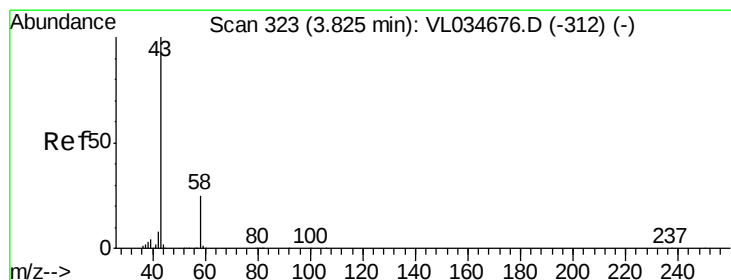
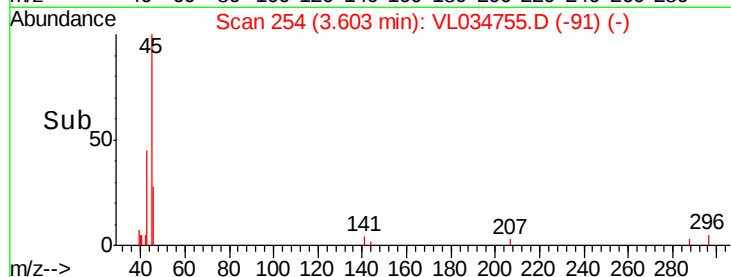
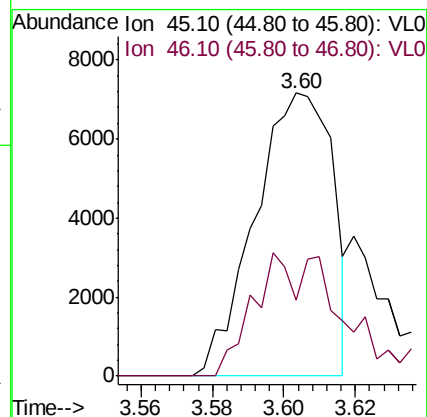
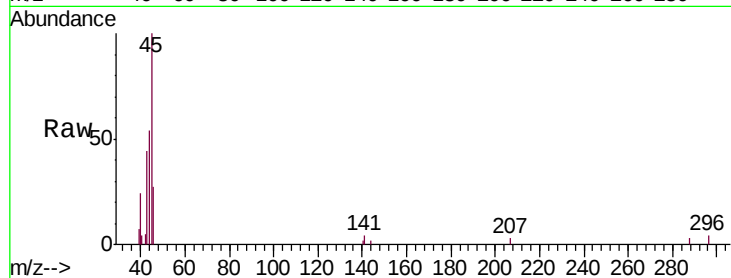
SS-8-4DL2

Tgt Ion: 45 Resp: 10809

Ion Ratio Lower Upper

45 100

46 51.2 15.4 61.4



#15

Acetone

Concen: 0.365 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.03 min

Lab File: VL034755.D

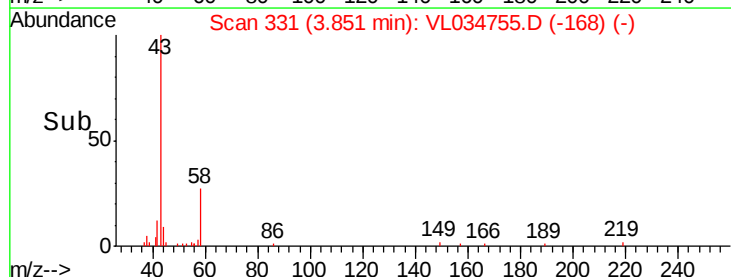
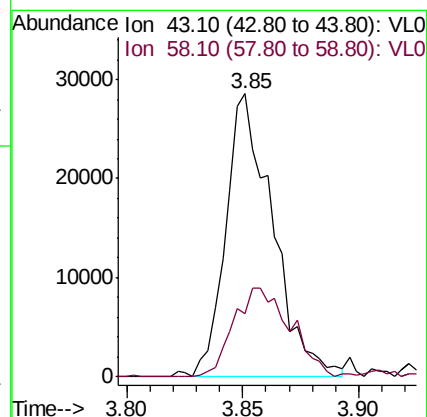
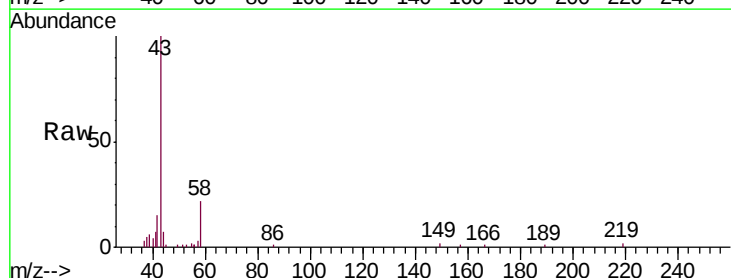
Acq: 29 Feb 2020 3:05

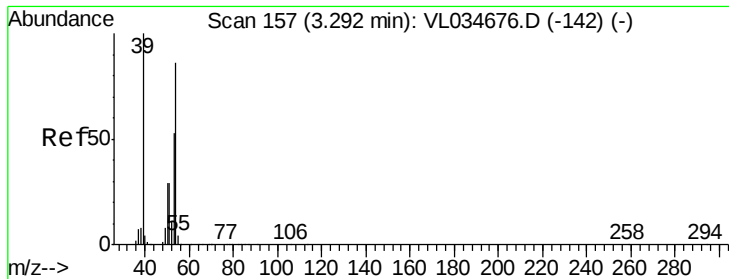
Tgt Ion: 43 Resp: 39995

Ion Ratio Lower Upper

43 100

58 39.8 21.4 32.0#

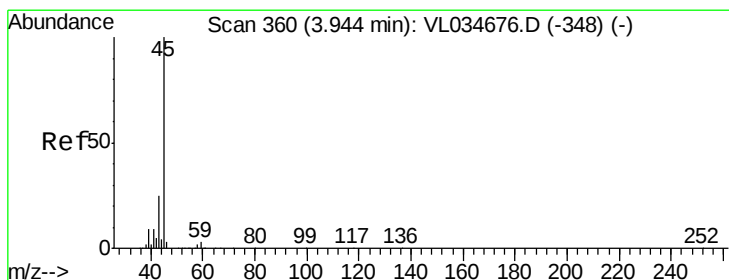
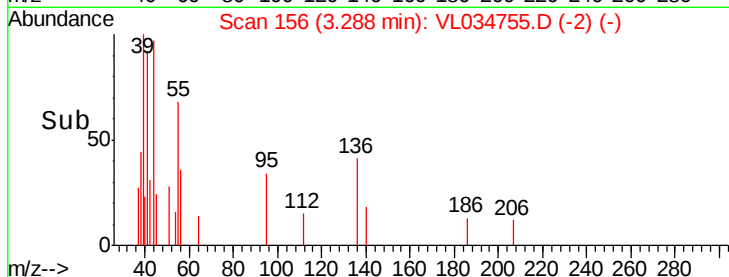
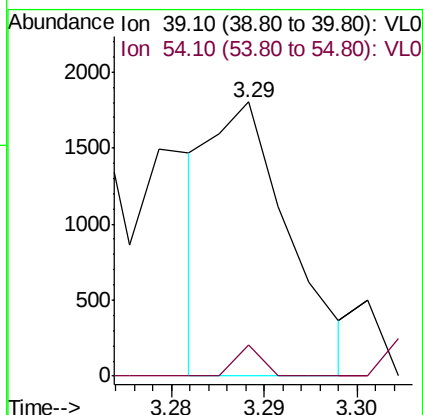
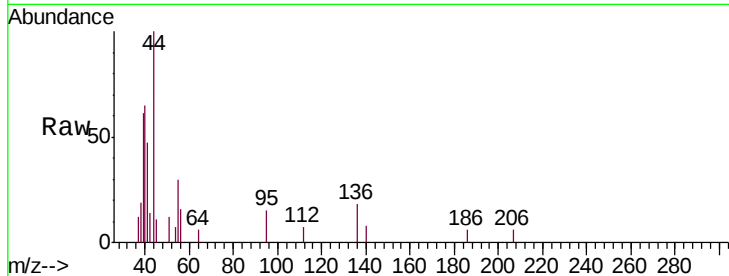




#16
 1,3-Butadiene
 Concen: 0.021 ppbv
 RT: 3.29 min Scan# 156
 Delta R.T. -0.00 min
 Lab File: VL034755.D
 Acq: 29 Feb 2020 3:05

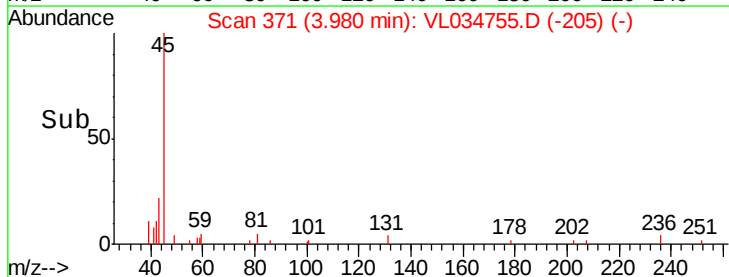
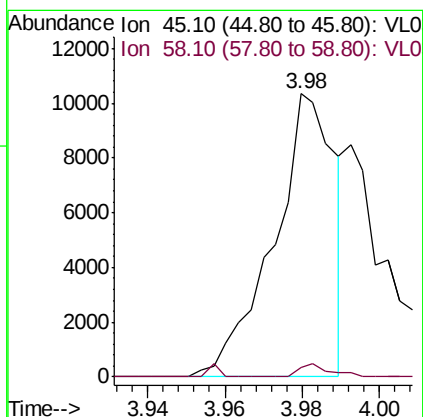
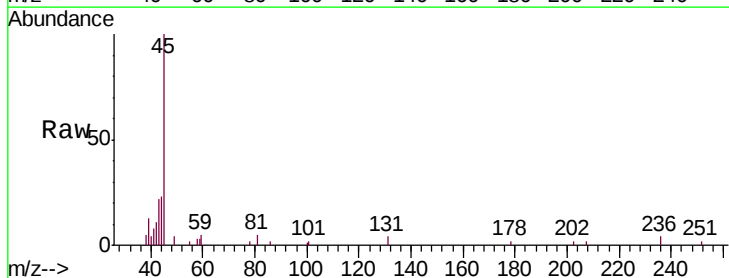
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-8-4DL2

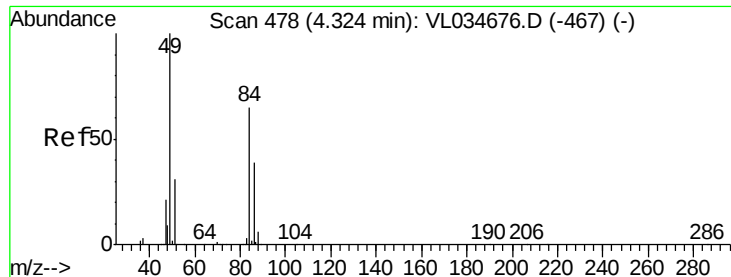
Tgt Ion: 39 Resp: 1059
 Ion Ratio Lower Upper
 39 100
 54 0.0 67.0 100.6#



#19
 Isopropyl Alcohol
 Concen: 0.174 ppbv
 RT: 3.98 min Scan# 371
 Delta R.T. 0.04 min
 Lab File: VL034755.D
 Acq: 29 Feb 2020 3:05

Tgt Ion: 45 Resp: 11345
 Ion Ratio Lower Upper
 45 100
 58 5.8 1.8 2.6#

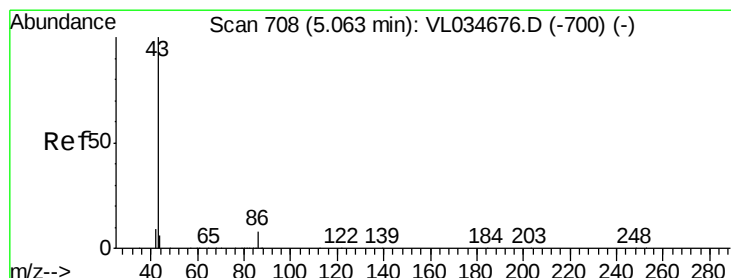
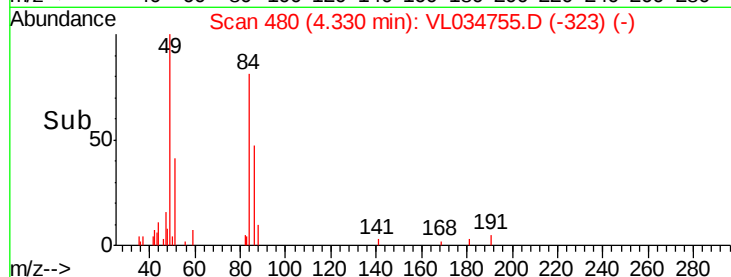
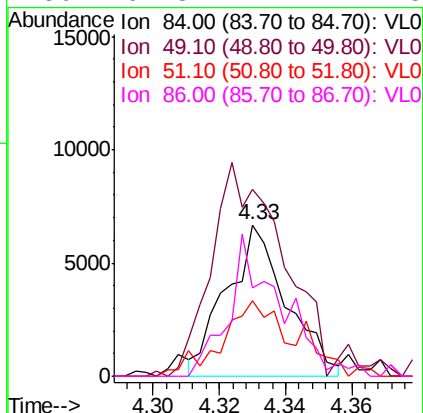
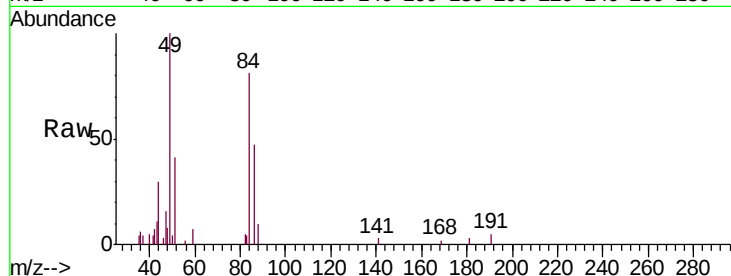




#20
Methylene Chloride
Concen: 0.207 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL034755.D
Acq: 29 Feb 2020 3:05

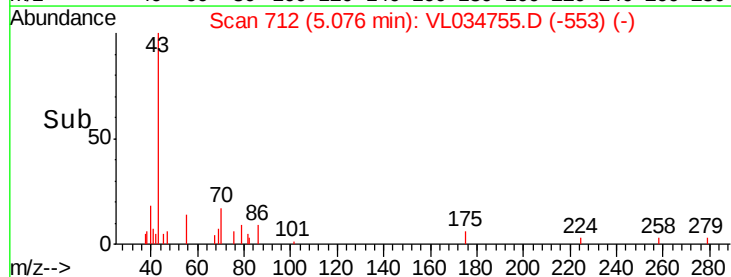
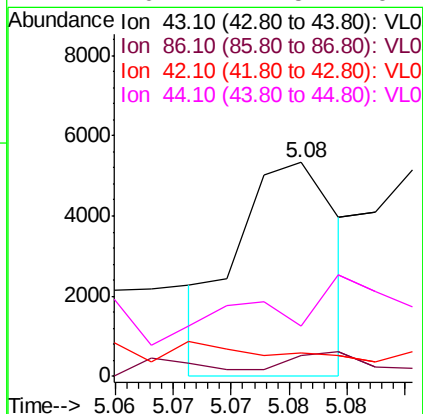
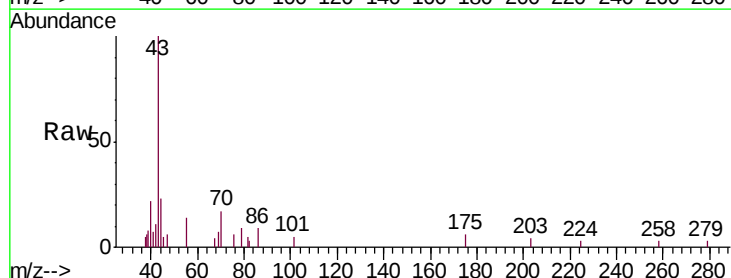
Instrument :
MSVOA_L
ClientSampled :
SS-8-4DL2

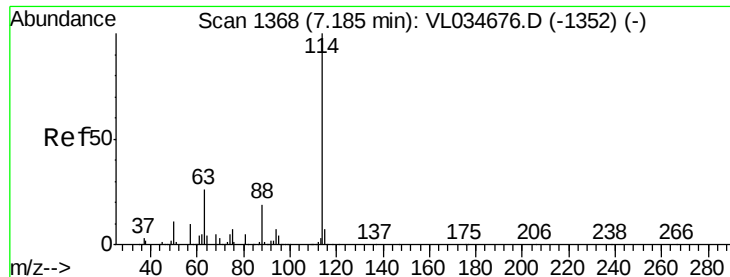
Tgt Ion:	84	Resp:	8433
Ion	Ratio	Lower	Upper
84	100		
49	126.1	122.8	184.2
51	42.6	38.6	58.0
86	62.3	47.7	71.5



#23
Vinyl Acetate
Concen: 0.022 ppbv
RT: 5.08 min Scan# 712
Delta R.T. 0.01 min
Lab File: VL034755.D
Acq: 29 Feb 2020 3:05

Tgt Ion:	43	Resp:	3238
Ion	Ratio	Lower	Upper
43	100		
86	5.7	6.0	9.0#
42	2.4	8.0	12.0#
44	0.2	4.5	6.7#

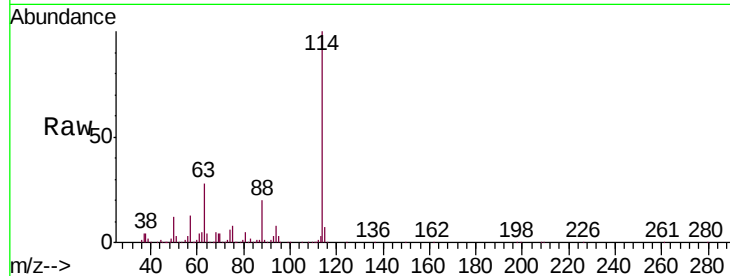




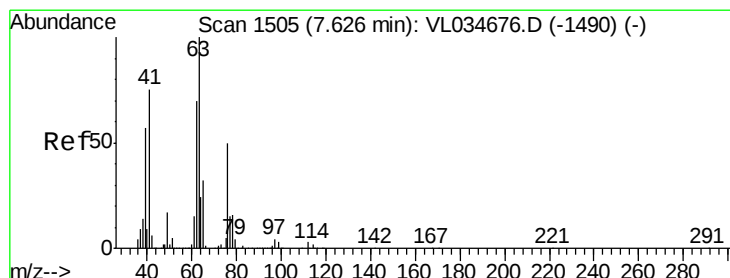
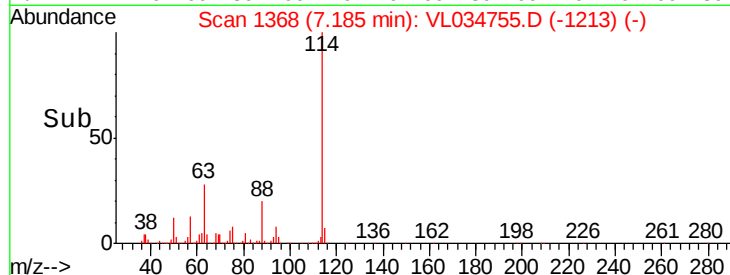
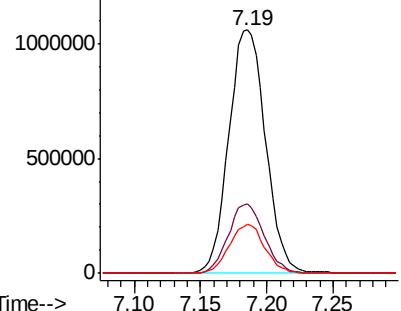
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL034755.D
 Acq: 29 Feb 2020 3:05

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-8-4DL2

Tgt Ion: 114 Resp: 2035838
 Ion Ratio Lower Upper
 114 100
 63 28.1 22.9 34.3
 88 19.5 15.8 23.6

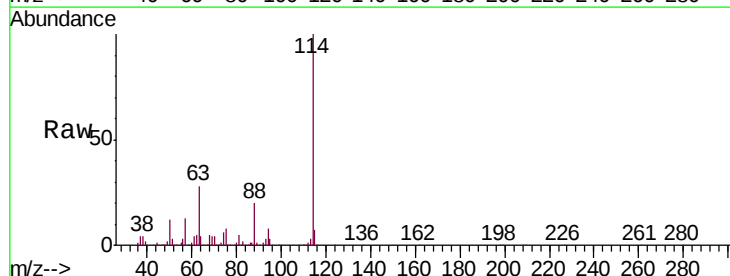


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

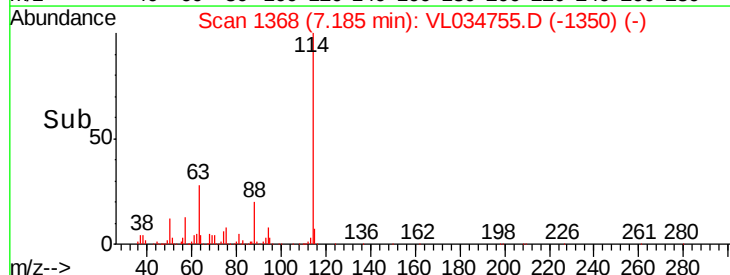
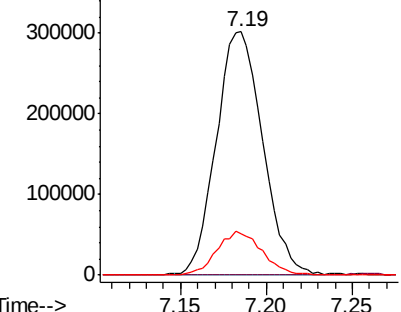


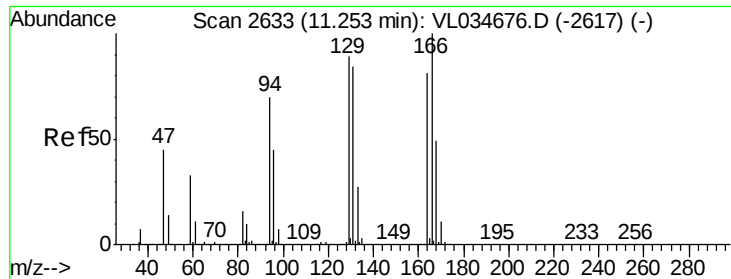
#39
 1,2-Dichloropropane
 Concen: 7.992 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.44 min
 Lab File: VL034755.D
 Acq: 29 Feb 2020 3:05

Tgt Ion: 63 Resp: 559060
 Ion Ratio Lower Upper
 63 100
 41 0.0 60.2 90.4#
 62 17.0 56.3 84.5#



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





#52

Tetrachloroethene

Concen: 0.200 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. -0.00 min

Lab File: VL034755.D

Acq: 29 Feb 2020 3:05

Instrument :

MSVOA_L

ClientSampleId :

SS-8-4DL2

Tgt Ion:164 Resp: 12919

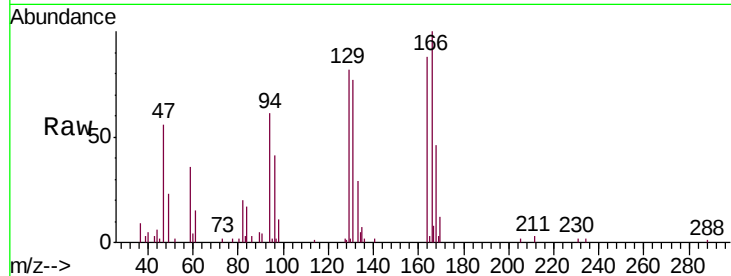
Ion Ratio Lower Upper

164 100

166 114.5 99.2 148.8

129 92.2 88.0 132.0

131 70.0 83.7 125.5#

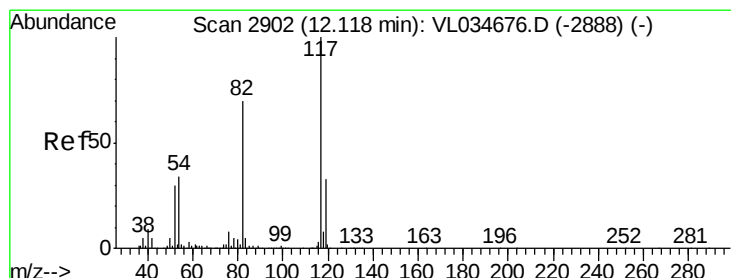
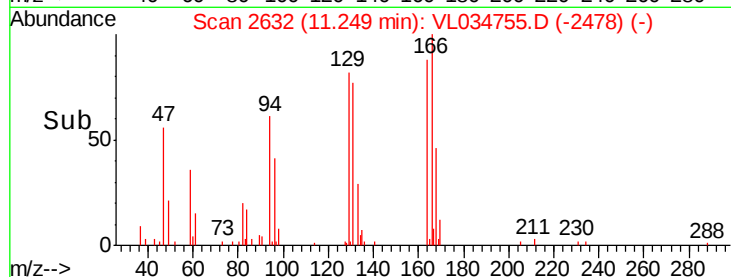
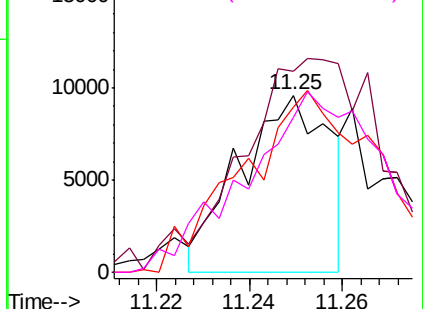


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.11 min Scan# 2901

Delta R.T. -0.00 min

Lab File: VL034755.D

Acq: 29 Feb 2020 3:05

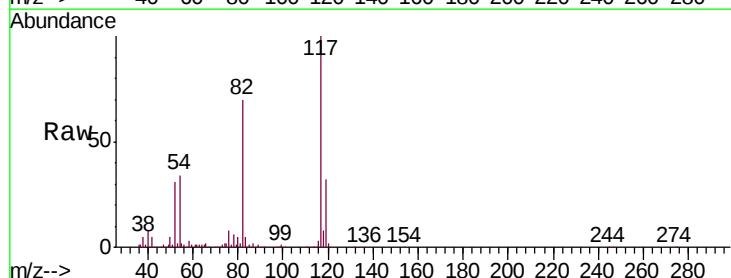
Tgt Ion:117 Resp: 1999352

Ion Ratio Lower Upper

117 100

82 71.4 54.1 81.1

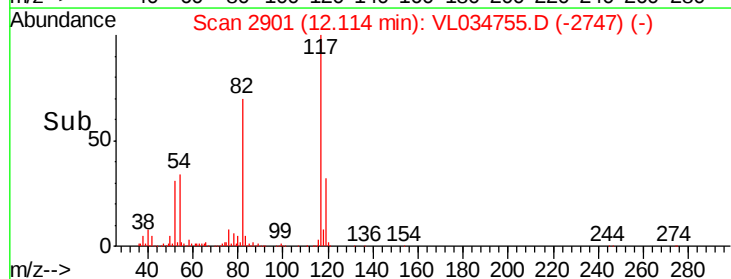
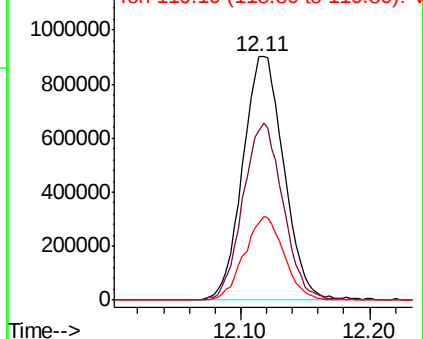
119 33.4 27.6 41.4

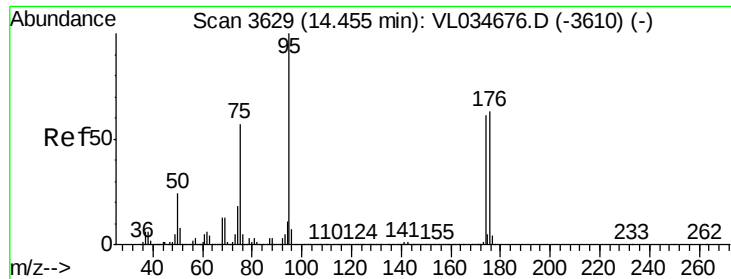


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.339 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. -0.00 min

Lab File: VL034755.D

Acq: 29 Feb 2020 3:05

Instrument :

MSVOA_L

ClientSampleId :

SS-8-4DL2

Tgt Ion: 95 Resp: 1695051

Ion Ratio Lower Upper

95 100

174 63.7 50.7 76.1

175 4.6 3.9 5.9

