

Data File : VL034695.D
Acq On : 26 Feb 2020 19:52
Operator : SY/AP
Sample : L1664-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ROOFTOP-BRWDL

Quant Time: Feb 27 07:29:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	979528	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1981514	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	1968964	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1654272	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

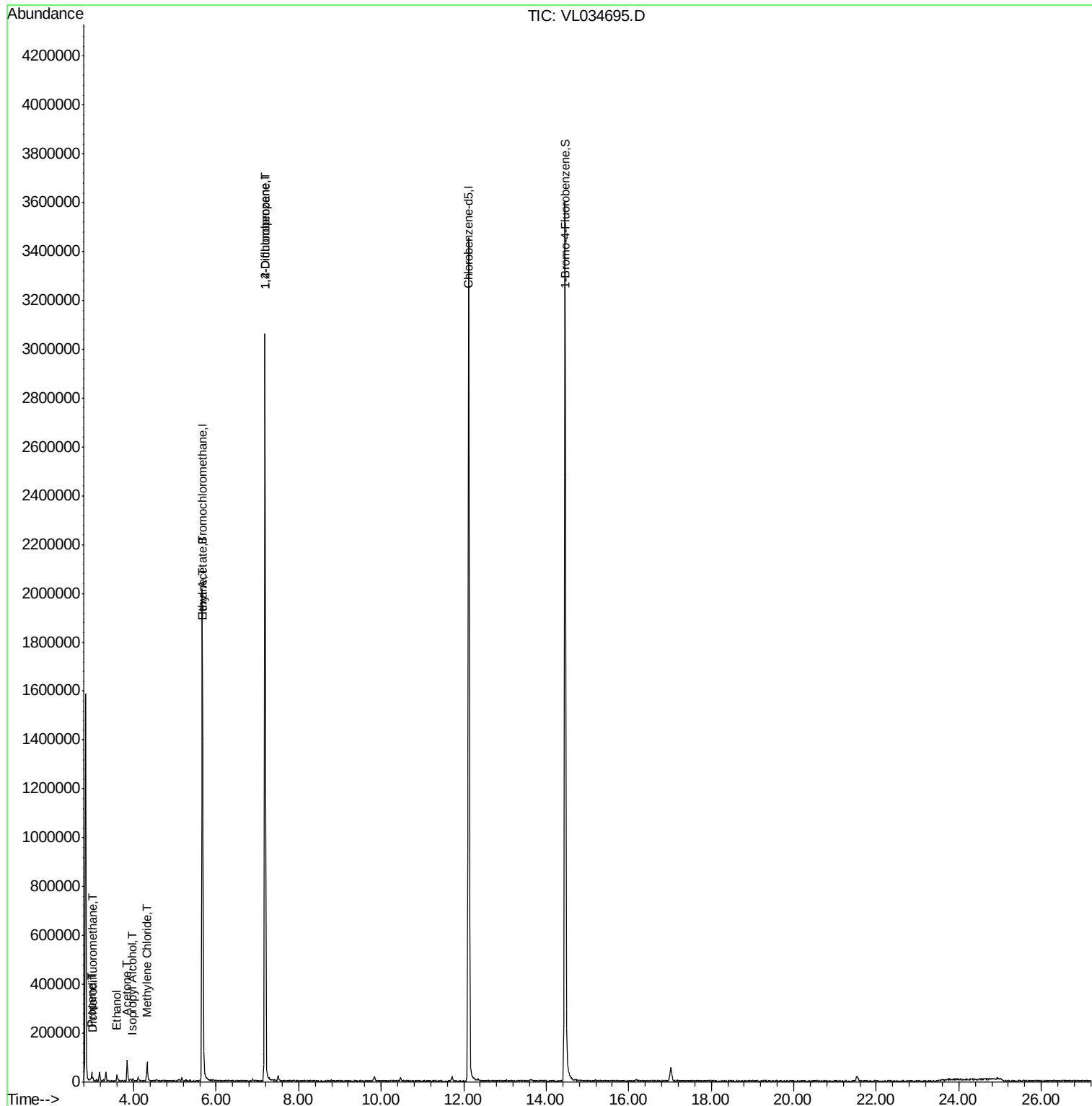
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	8194	0.053	ppbv #	85
9) Propene	2.98	41	8494	0.192	ppbv	92
13) Ethanol	3.60	45	21298	1.526	ppbv	95
15) Acetone	3.84	43	74889	0.671	ppbv	95
19) Isopropyl Alcohol	3.96	45	1415	0.021	ppbv #	94
20) Methylene Chloride	4.33	84	25255	0.608	ppbv	90
25) Ethyl Acetate	5.68	43	11986	0.061	ppbv #	78
26) Hexane	5.68	57	7761	0.085	ppbv #	34
39) 1,2-Dichloropropane	7.19	63	581114	8.535	ppbv #	23

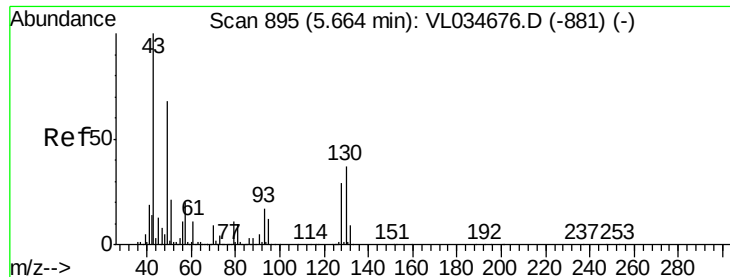
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL034695.D

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ClientSampleId :

ROOFTOP-BRWDL

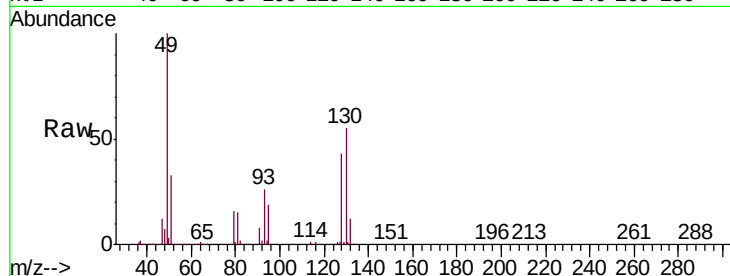
Tgt Ion: 49 Resp: 979528

Ion Ratio Lower Upper

49 100

128 43.2 21.6 65.0

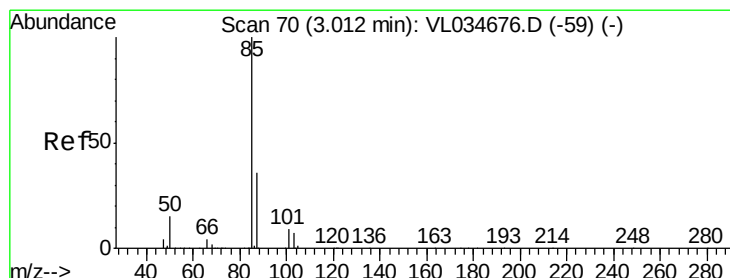
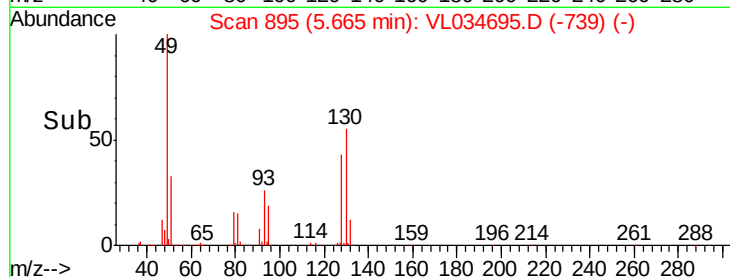
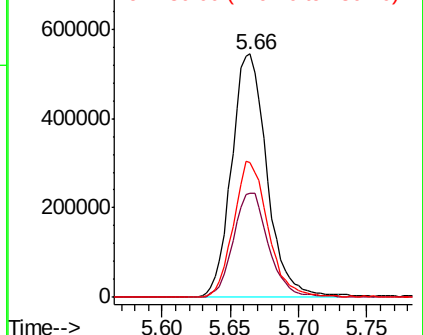
130 55.4 27.7 83.1



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



#2

Dichlorodifluoromethane

Concen: 0.053 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL034695.D

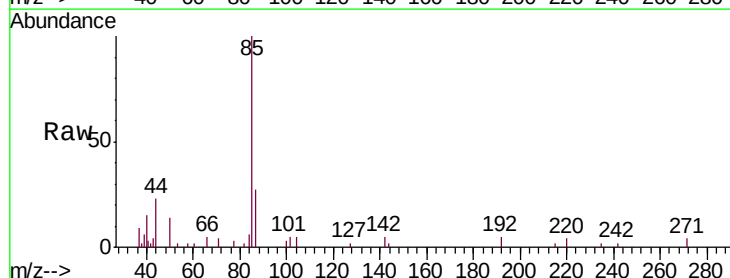
Acq: 26 Feb 2020 19:52

Tgt Ion: 85 Resp: 8194

Ion Ratio Lower Upper

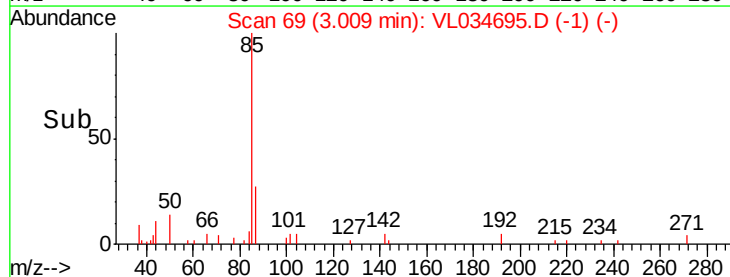
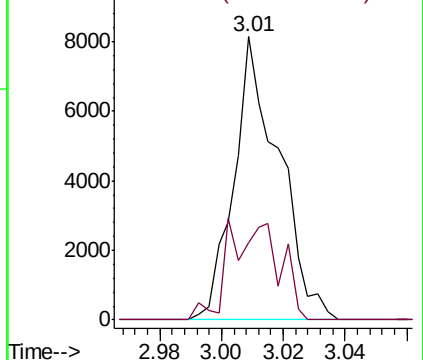
85 100

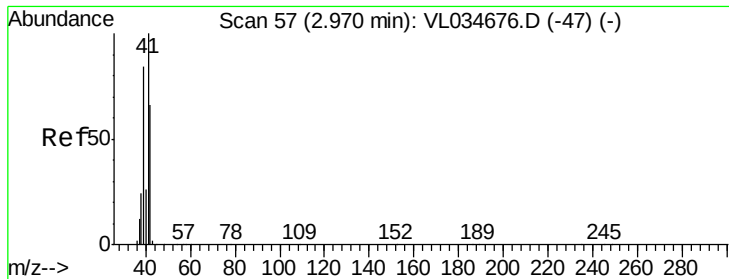
87 27.5 29.2 43.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 0.192 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL034695.D

Acq: 26 Feb 2020 19:52

Instrument :

MSVOA_L

ClientSampleId :

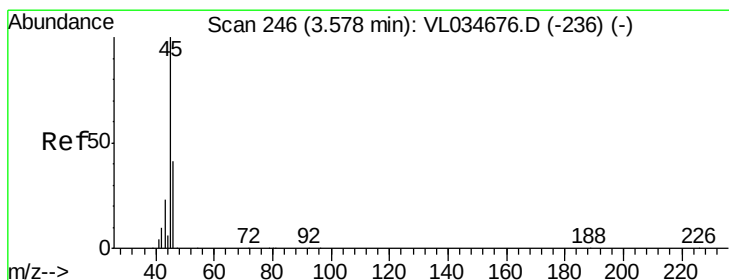
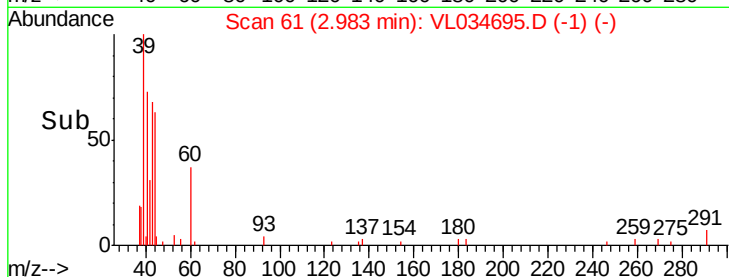
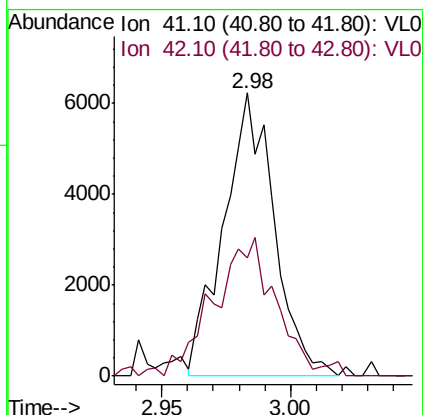
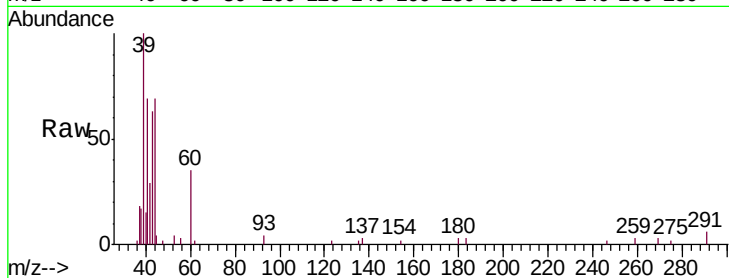
ROOFTOP-BRWDL

Tgt Ion: 41 Resp: 8494

Ion Ratio Lower Upper

41 100

42 62.1 54.9 82.3



#13

Ethanol

Concen: 1.526 ppbv

RT: 3.60 min Scan# 252

Delta R.T. 0.02 min

Lab File: VL034695.D

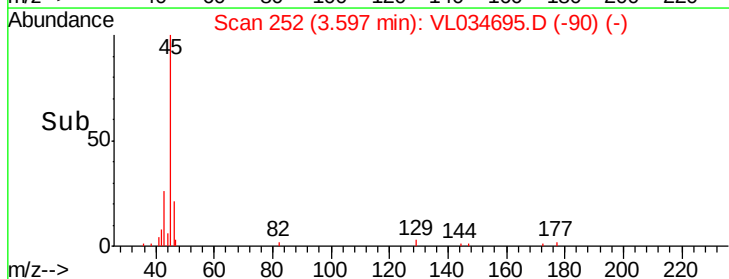
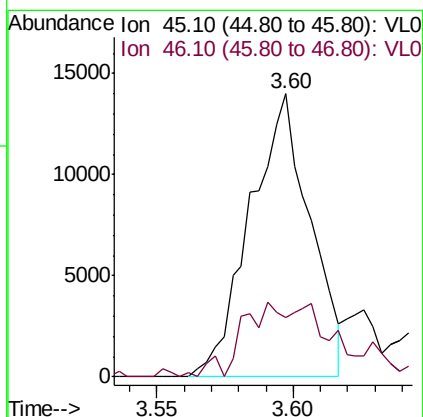
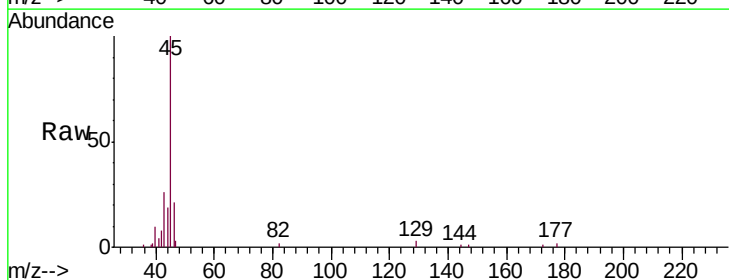
Acq: 26 Feb 2020 19:52

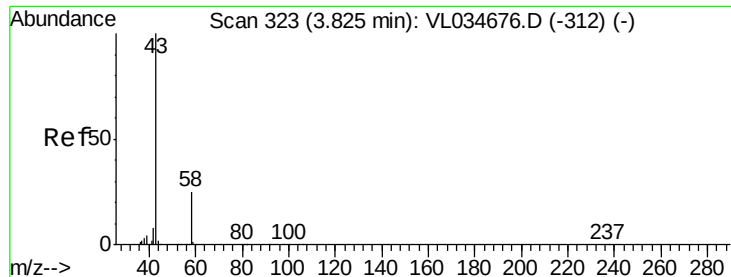
Tgt Ion: 45 Resp: 21298

Ion Ratio Lower Upper

45 100

46 41.6 15.4 61.4





#15

Acetone

Concen: 0.671 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.01 min

Lab File: VL034695.D

Acq: 26 Feb 2020 19:52

Instrument :

MSVOA_L

ClientSampleId :

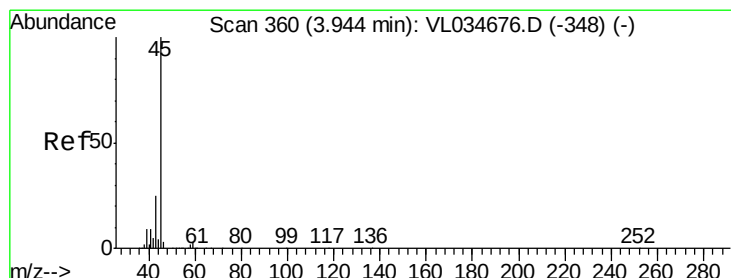
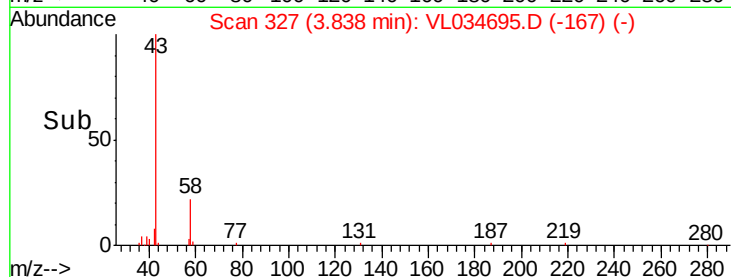
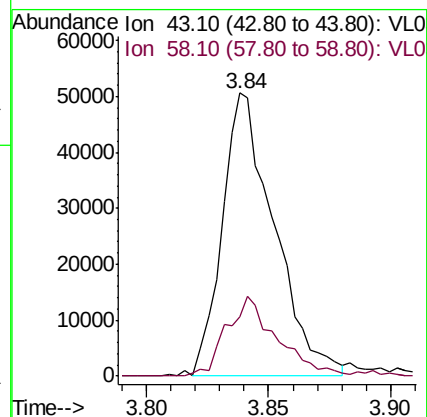
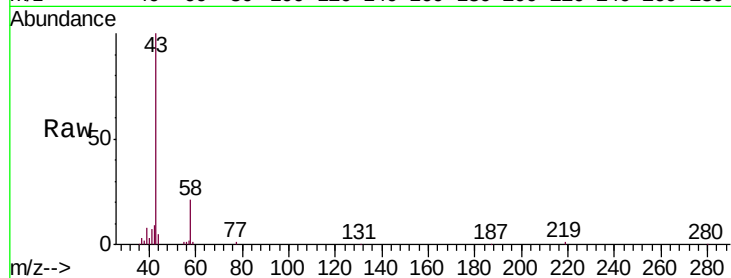
ROOFTOP-BRWDL

Tgt Ion: 43 Resp: 74889

Ion Ratio Lower Upper

43 100

58 29.1 21.4 32.0



#19

Isopropyl Alcohol

Concen: 0.021 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.02 min

Lab File: VL034695.D

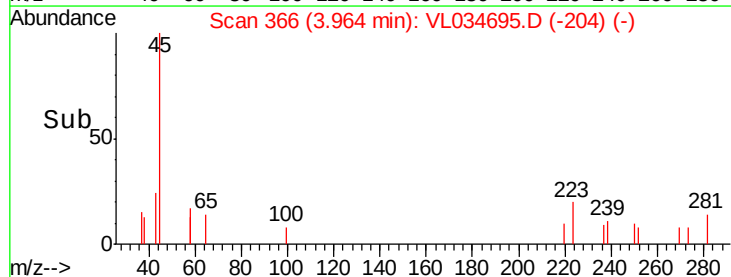
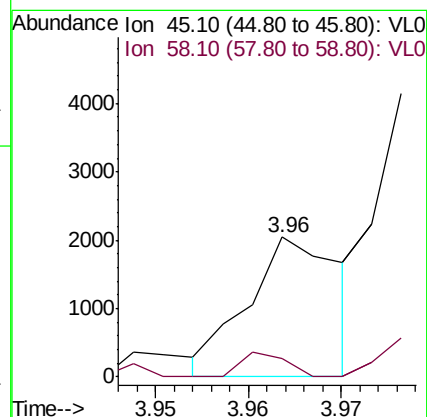
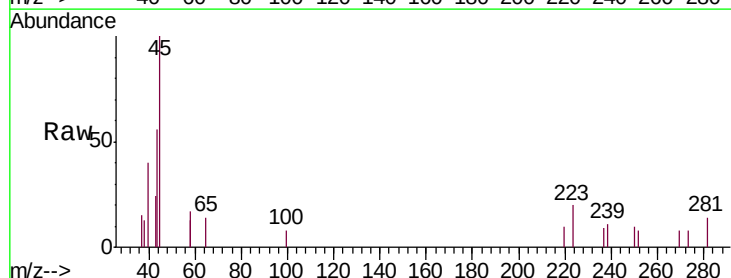
Acq: 26 Feb 2020 19:52

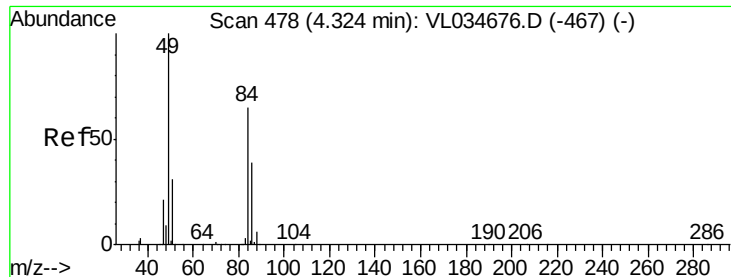
Tgt Ion: 45 Resp: 1415

Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.6#

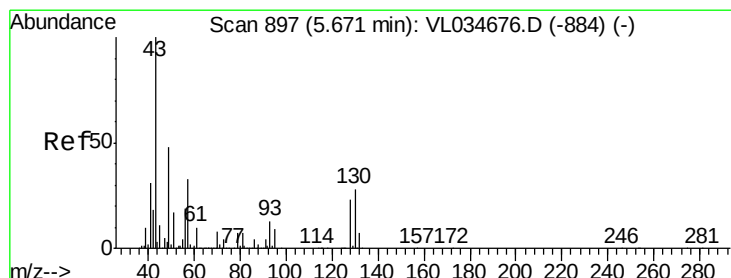
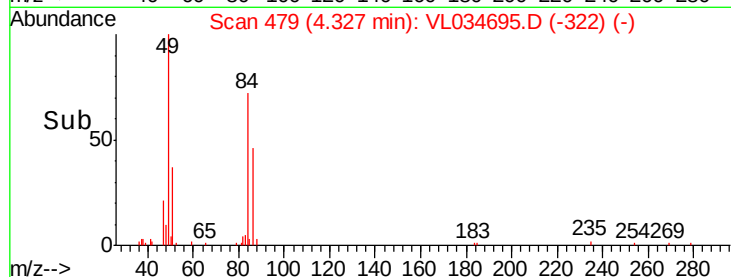
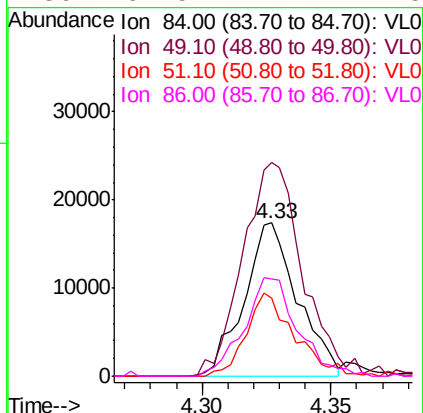
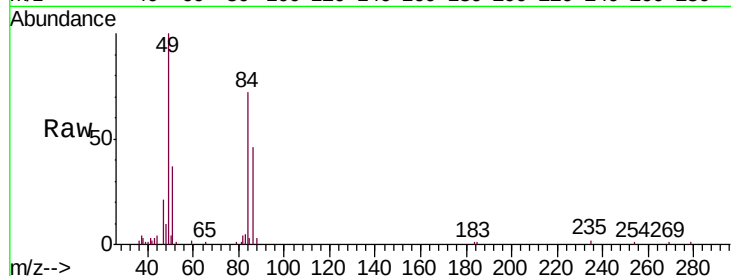




#20
Methylene Chloride
Concen: 0.608 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL034695.D
Acq: 26 Feb 2020 19:52

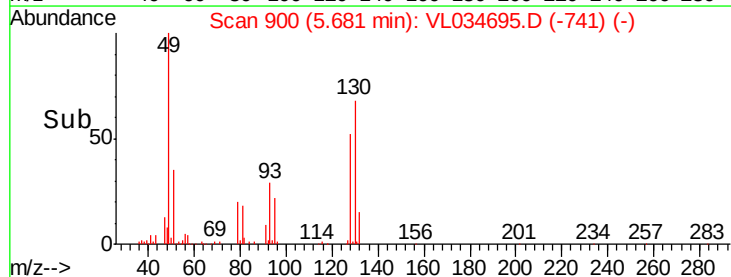
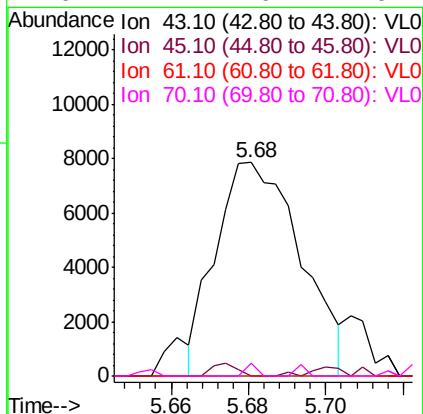
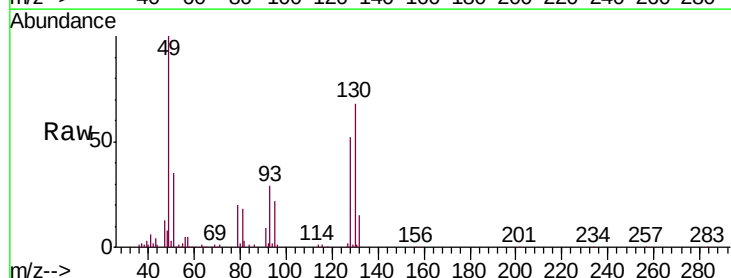
Instrument :
MSVOA_L
ClientSampleId :
ROOFTOP-BRWDL

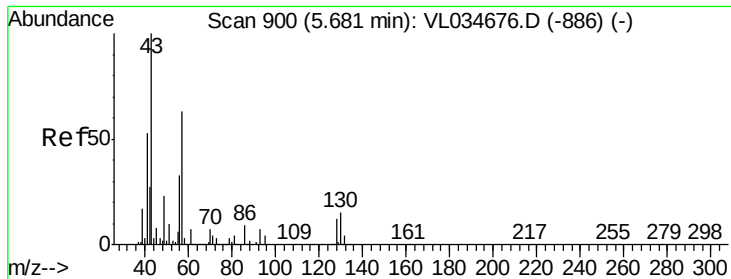
Tgt Ion:	84	Resp:	25255
Ion	Ratio	Lower	Upper
84	100		
49	134.3	122.8	184.2
51	49.4	38.6	58.0
86	61.5	47.7	71.5



#25
Ethyl Acetate
Concen: 0.061 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL034695.D
Acq: 26 Feb 2020 19:52

Tgt Ion:	43	Resp:	11986
Ion	Ratio	Lower	Upper
43	100		
45	1.8	8.2	12.4#
61	0.0	7.8	11.6#
70	2.1	6.1	9.1#





#26

Hexane

Concen: 0.085 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.00 min

Lab File: VL034695.D

Acq: 26 Feb 2020 19:52

Instrument :

MSVOA_L

ClientSampleId :

ROOFTOP-BRWDL

Tgt Ion: 57 Resp: 7761

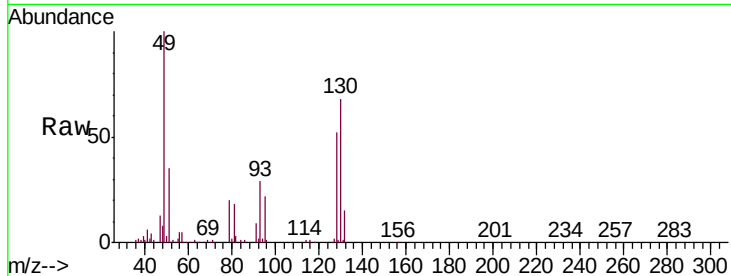
Ion Ratio Lower Upper

57 100

41 212.9 70.3 105.5#

43 177.2 177.0 265.4

56 134.8 42.6 64.0#

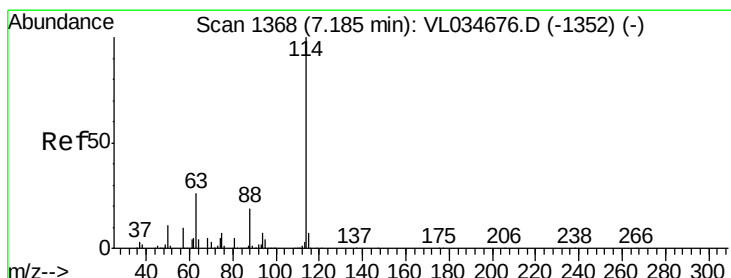
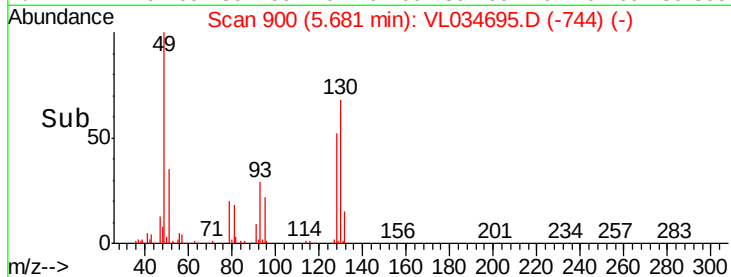
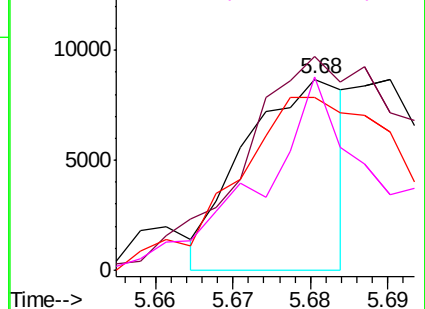


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VL034695.D

Acq: 26 Feb 2020 19:52

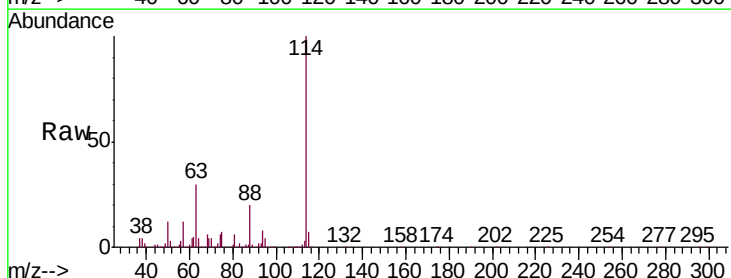
Tgt Ion: 114 Resp: 1981514

Ion Ratio Lower Upper

114 100

63 29.5 22.9 34.3

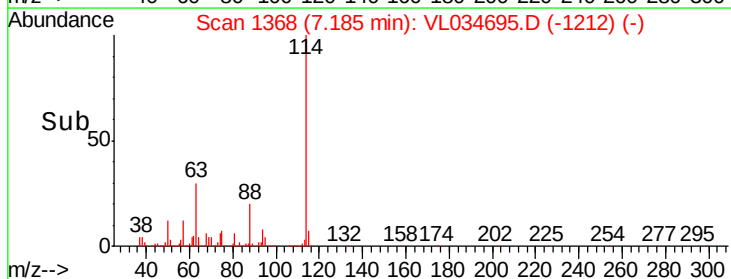
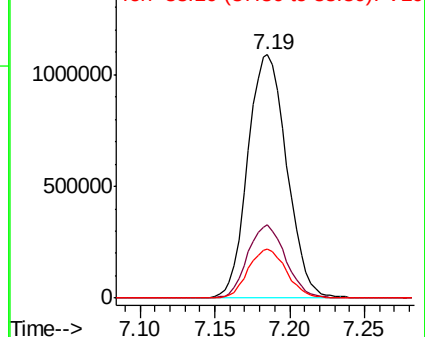
88 19.7 15.8 23.6

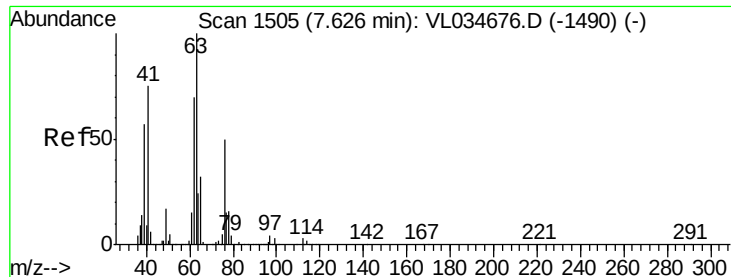


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 8.535 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.44 min

Lab File: VL034695.D

Acq: 26 Feb 2020 19:52

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MSVOA_L

ClientSampleId :

ROOFTOP-BRWDL

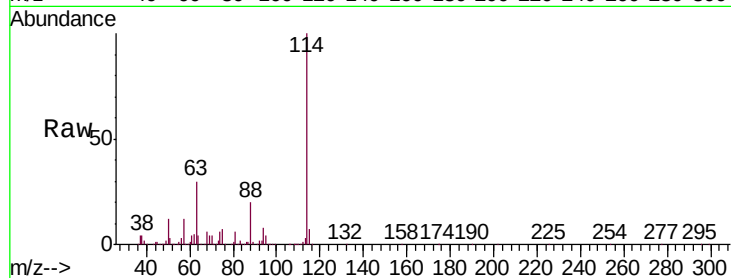
Tgt Ion: 63 Resp: 581114

Ion Ratio Lower Upper

63 100

41 0.0 60.2 90.4#

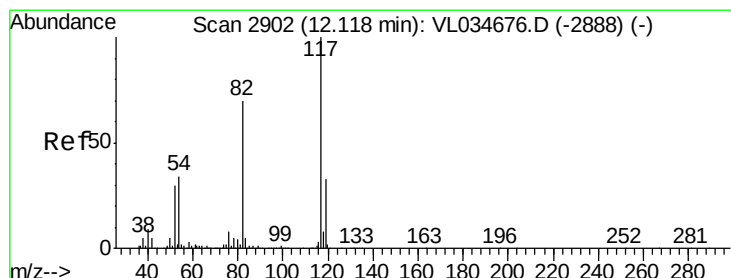
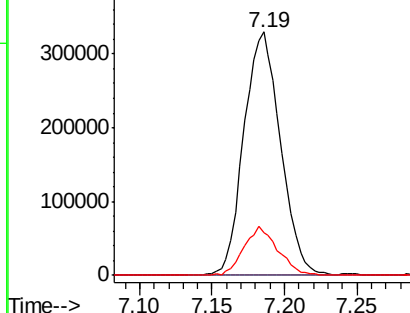
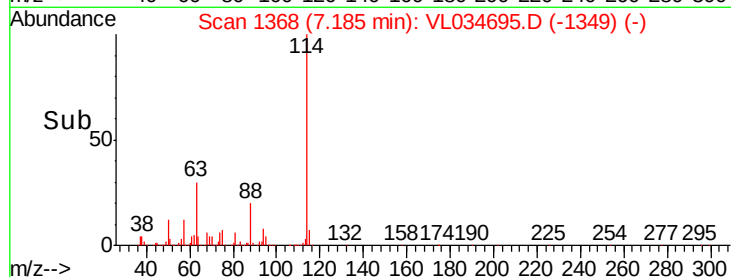
62 17.7 56.3 84.5#



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. 0.00 min

Lab File: VL034695.D

Acq: 26 Feb 2020 19:52

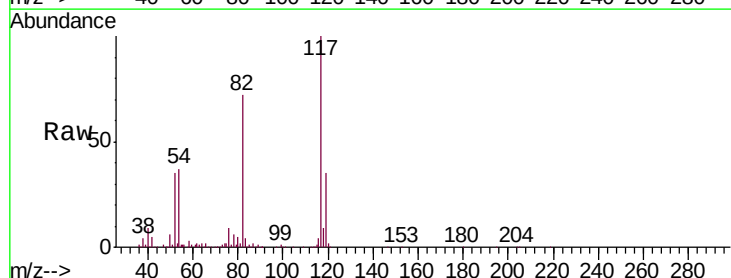
Tgt Ion: 117 Resp: 1968964

Ion Ratio Lower Upper

117 100

82 71.7 54.1 81.1

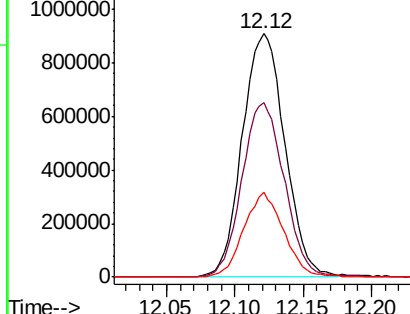
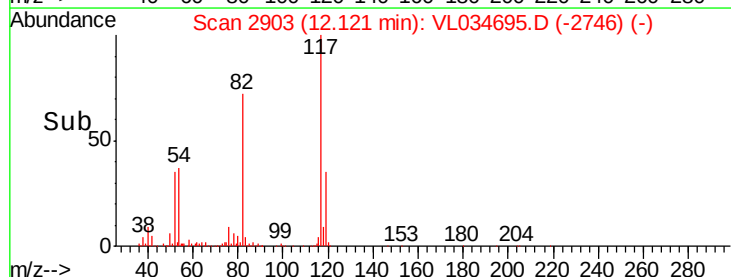
119 32.9 27.6 41.4

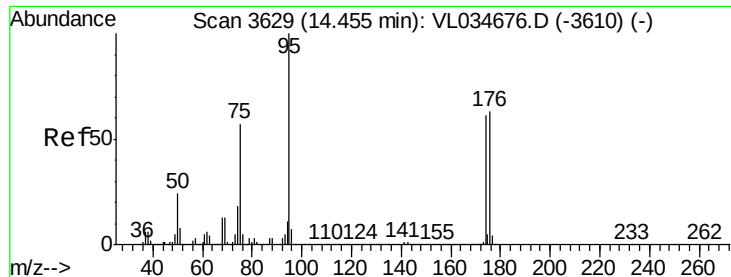


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

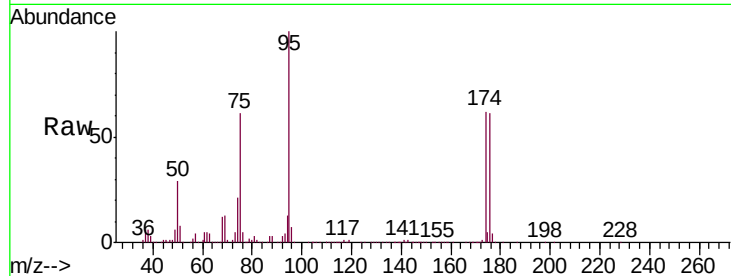




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.246 ppbv
 RT: 14.46 min Scan# 3630
 Delta R.T. 0.00 min
 Lab File: VL034695.D
 Acq: 26 Feb 2020 19:52

Instrument :
 MSVOA_L
 ClientSampleId :
 ROOFTOP-BRWDL

Tgt Ion: 95 Resp: 1654272
 Ion Ratio Lower Upper
 95 100
 174 63.2 50.7 76.1
 175 4.7 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0
 1000000 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

