

Data File : VL034853.D
Acq On : 10 Mar 2020 00:29
Operator : SY/AP
Sample : CAN 10595
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 11 04:09:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	886428	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	1998932	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1949291	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1545749	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

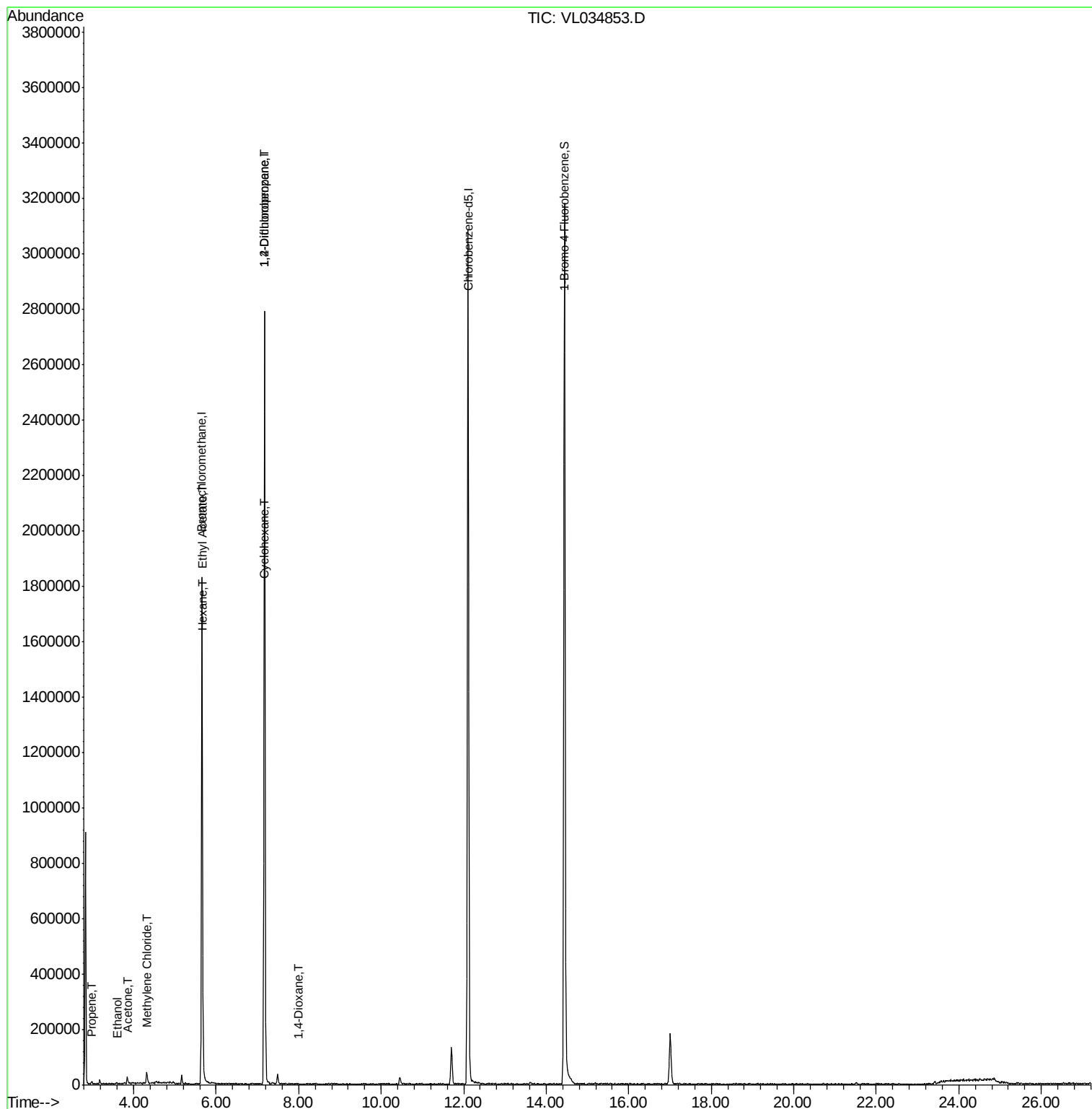
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	2.98	41	1199	0.025	ppbv #	56
13) Ethanol	3.59	45	1412	0.098	ppbv #	35
15) Acetone	3.84	43	11410	0.099	ppbv #	49
20) Methylene Chloride	4.31	84	5701	0.157	ppbv #	69
25) Ethyl Acetate	5.67	43	2517	0.012	ppbv #	78
26) Hexane	5.67	57	2409	0.027	ppbv #	48
30) Cyclohexane	7.15	84	1477	0.020	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	520186	7.369	ppbv #	22
40) 1,4-Dioxane	7.99	88	269	0.010	ppbv #	1

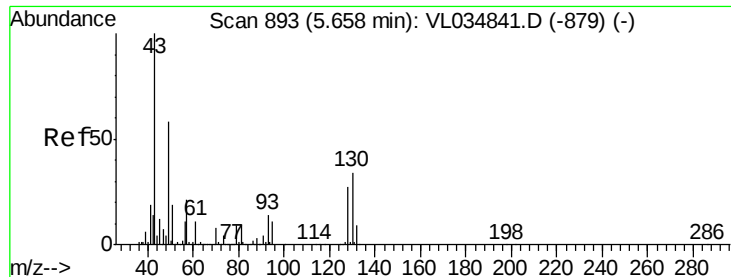
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 892

Delta R.T. -0.00 min

Lab File: VL034853.D

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MSVOA_L

ClientSampleId :

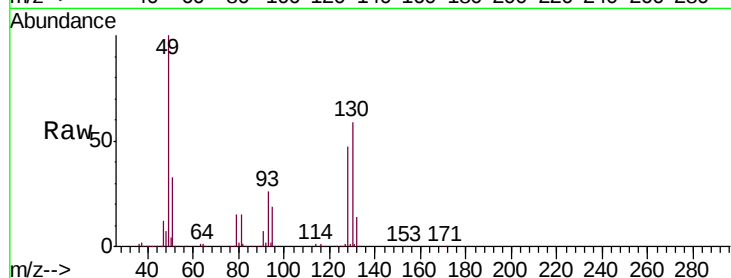
Tgt Ion: 49 Resp: 886428

Ion Ratio Lower Upper

49 100

128 47.2 23.4 70.3

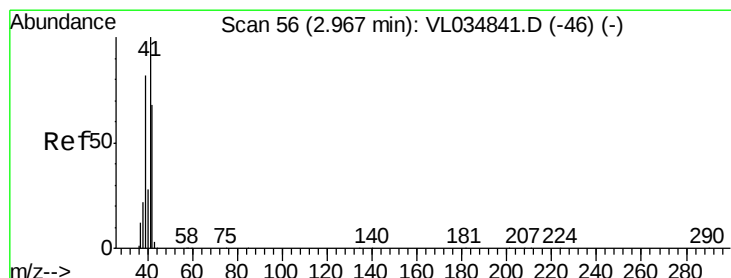
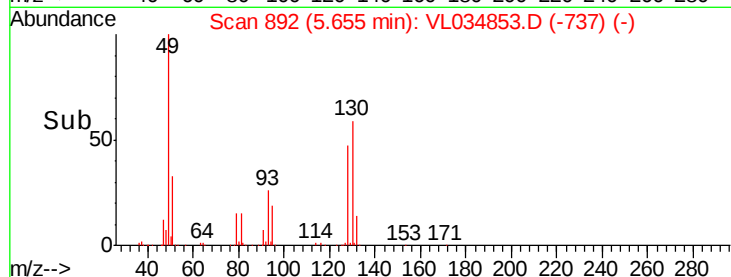
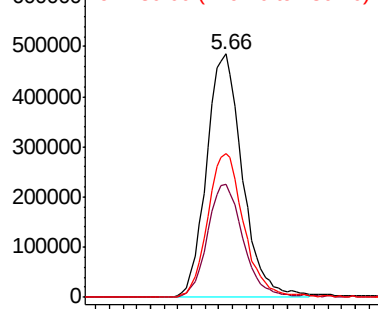
130 60.1 30.0 90.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.025 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL034853.D

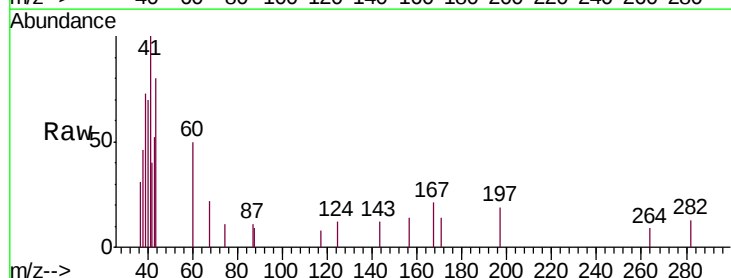
Acq: 10 Mar 2020 00:29

Tgt Ion: 41 Resp: 1199

Ion Ratio Lower Upper

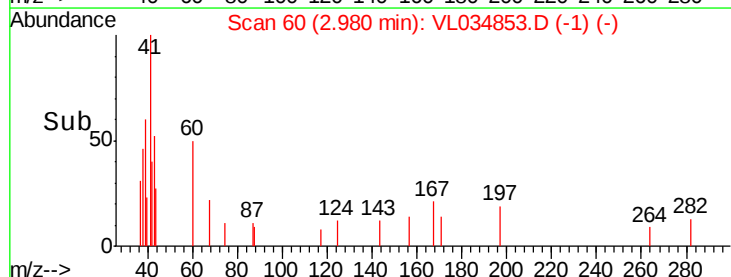
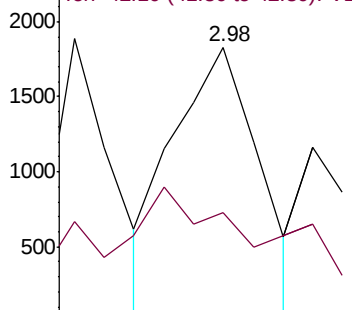
41 100

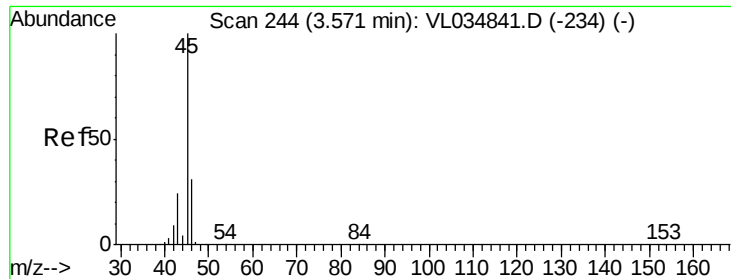
42 105.2 55.2 82.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

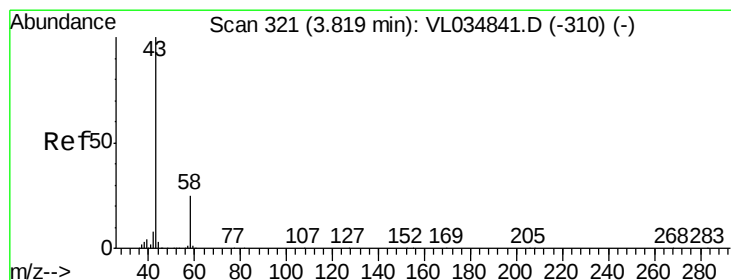
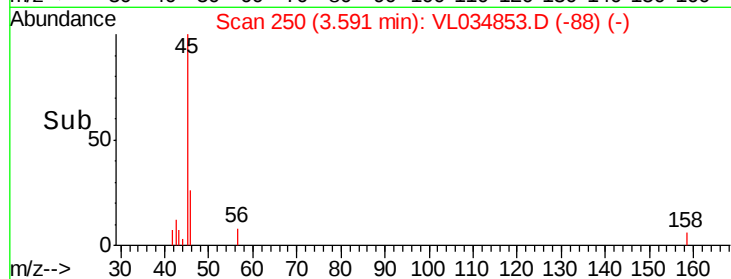
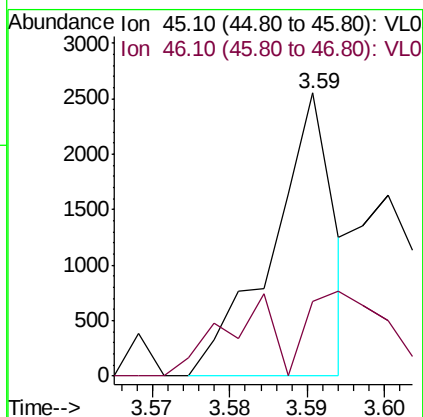
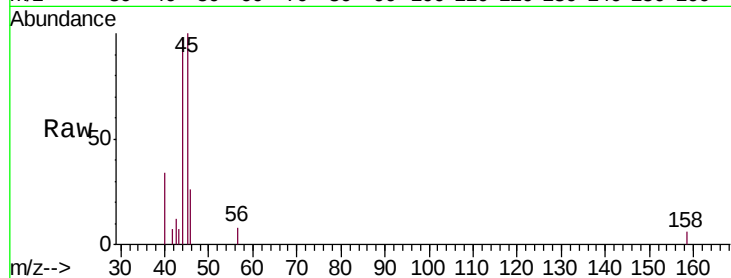




#13
Ethanol
Concen: 0.098 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.02 min
Lab File: VL034853.D
Acq: 10 Mar 2020 00:29

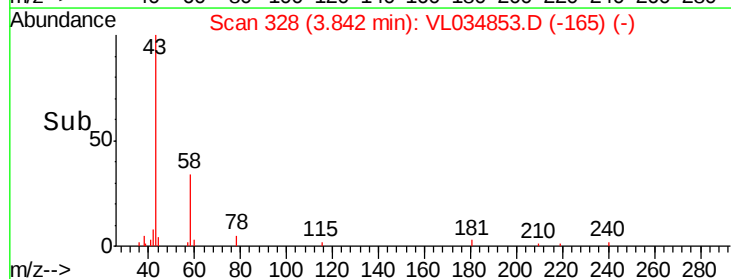
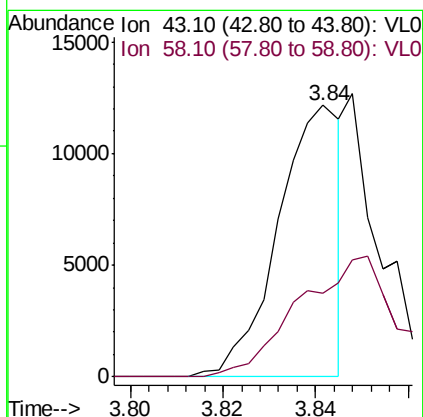
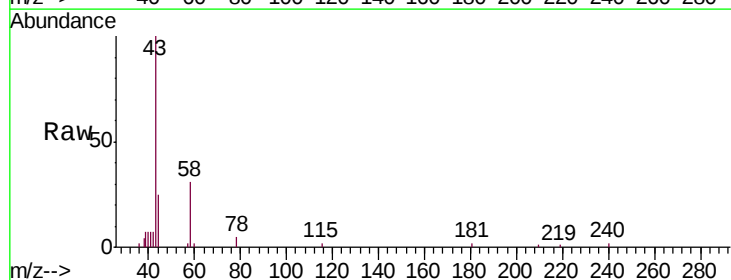
Instrument :
MSVOA_L
ClientSampleId :

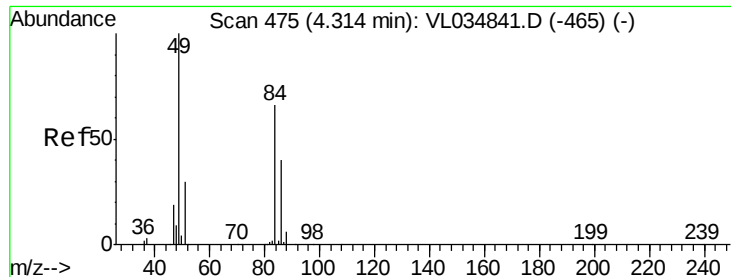
Tgt Ion: 45 Resp: 1412
Ion Ratio Lower Upper
45 100
46 0.0 16.0 64.0#



#15
Acetone
Concen: 0.099 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.02 min
Lab File: VL034853.D
Acq: 10 Mar 2020 00:29

Tgt Ion: 43 Resp: 11410
Ion Ratio Lower Upper
43 100
58 0.0 21.0 31.6#

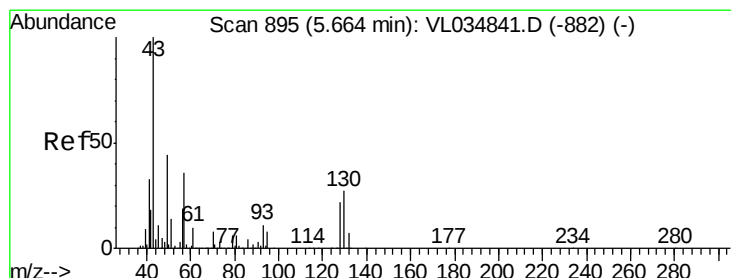
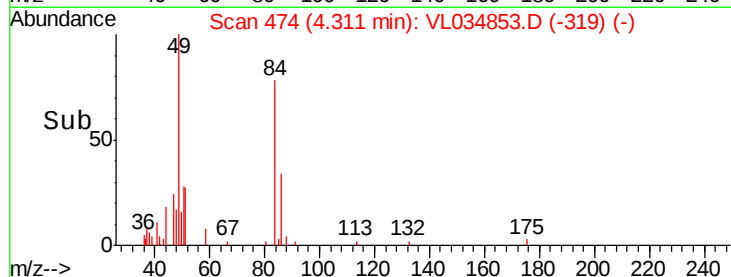
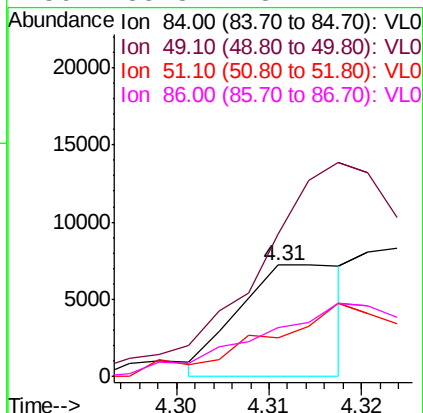
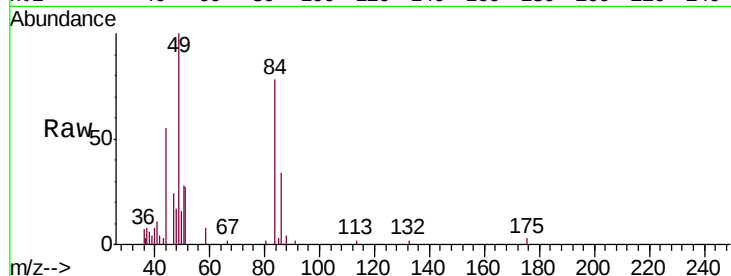




#20
Methylene Chloride
Concen: 0.157 ppbv
RT: 4.31 min Scan# 474
Delta R.T. -0.00 min
Lab File: VL034853.D
Acq: 10 Mar 2020 00:29

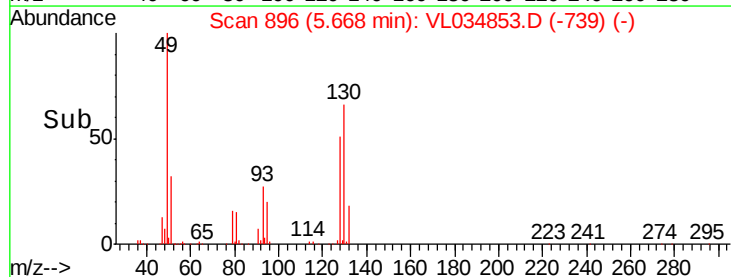
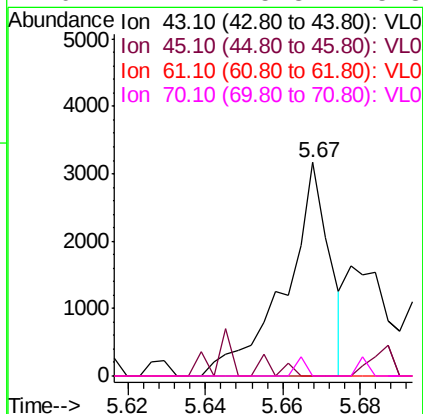
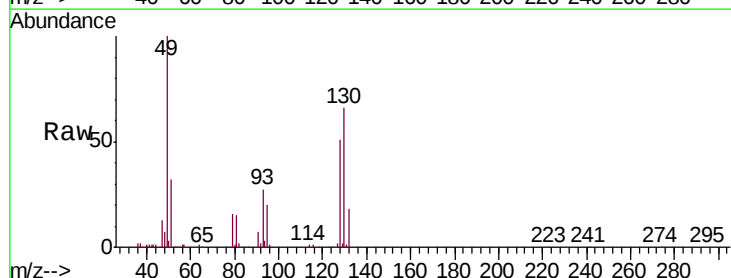
Instrument :
MSVOA_L
ClientSampled :

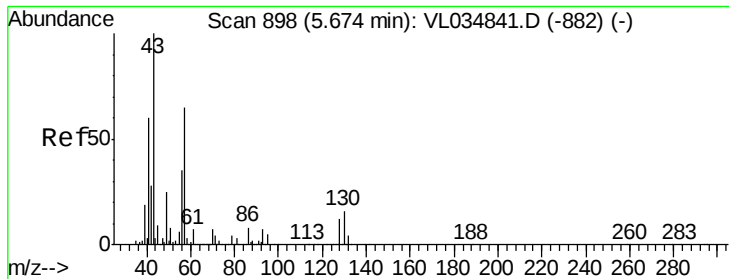
Tgt Ion: 84 Resp: 5701
Ion Ratio Lower Upper
84 100
49 112.2 121.5 182.3#
51 27.2 36.6 55.0#
86 35.8 48.2 72.2#



#25
Ethyl Acetate
Concen: 0.012 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL034853.D
Acq: 10 Mar 2020 00:29

Tgt Ion: 43 Resp: 2517
Ion Ratio Lower Upper
43 100
45 0.0 8.2 12.2#
61 0.0 7.8 11.6#
70 4.4 5.8 8.8#





#26

Hexane

Concen: 0.027 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL034853.D

Acq: 10 Mar 2020 00:29

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 57 Resp: 2409

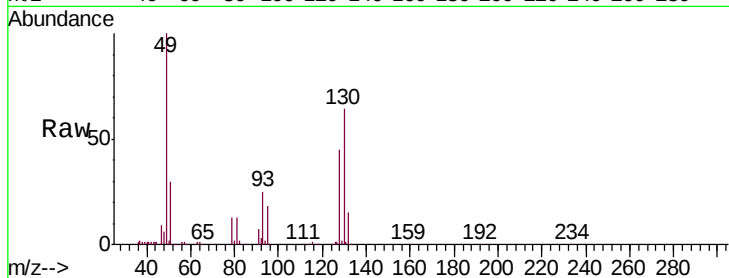
Ion Ratio Lower Upper

57 100

41 188.3 72.6 109.0#

43 184.5 183.8 275.6

56 0.0 41.9 62.9#

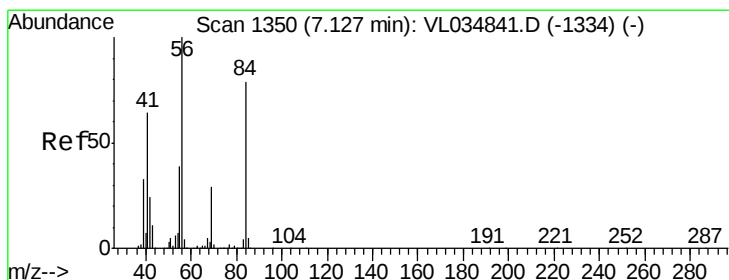
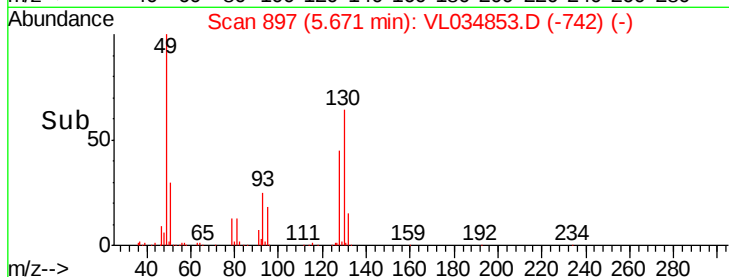
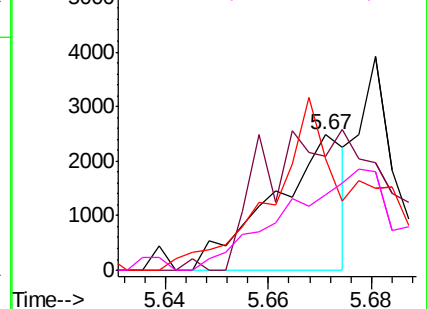


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#30

Cyclohexane

Concen: 0.020 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. 0.02 min

Lab File: VL034853.D

Acq: 10 Mar 2020 00:29

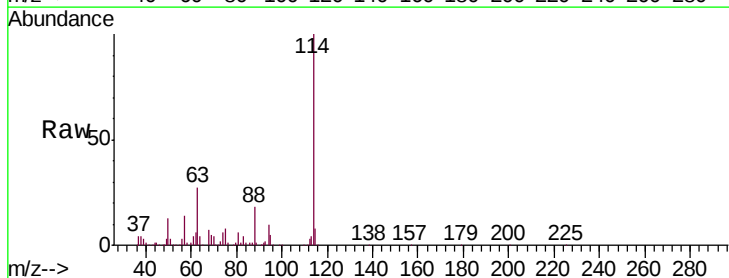
Tgt Ion: 84 Resp: 1477

Ion Ratio Lower Upper

84 100

56 0.0 110.5 165.7#

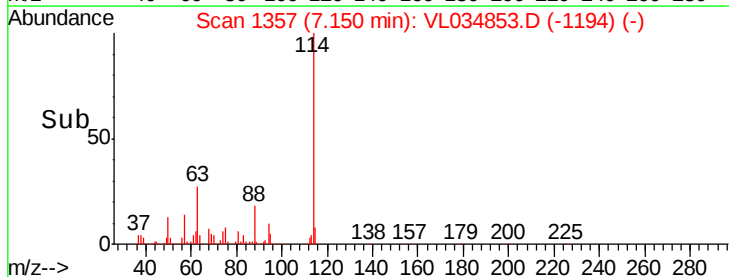
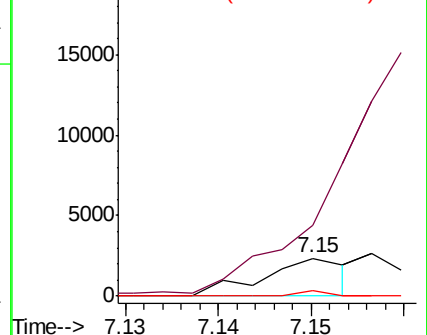
41 0.0 68.2 102.4#

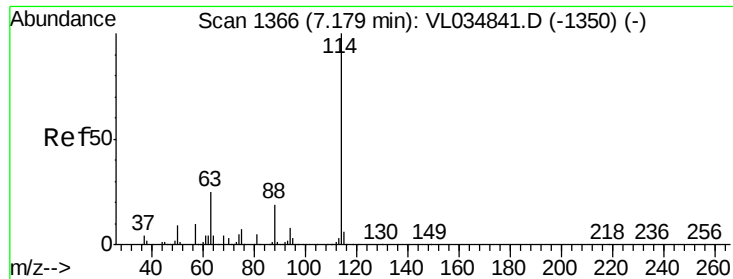


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

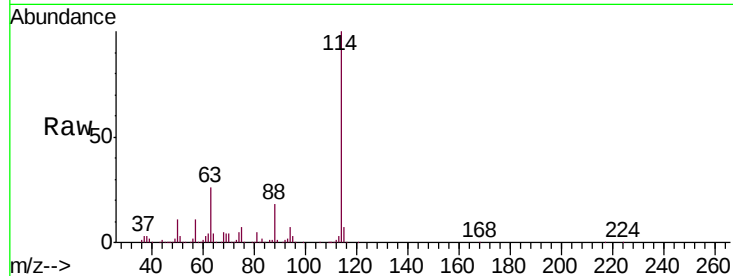




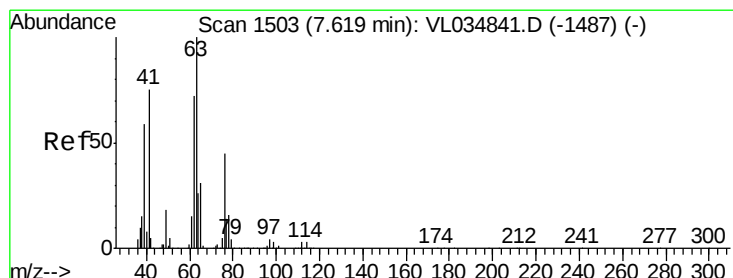
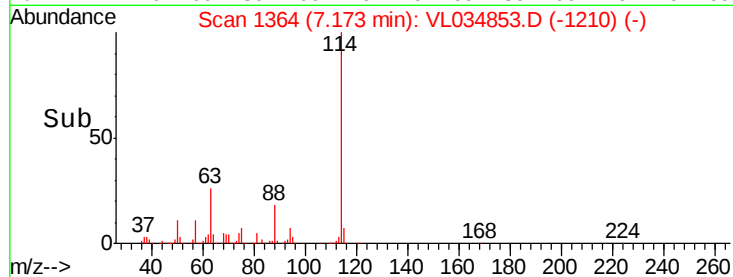
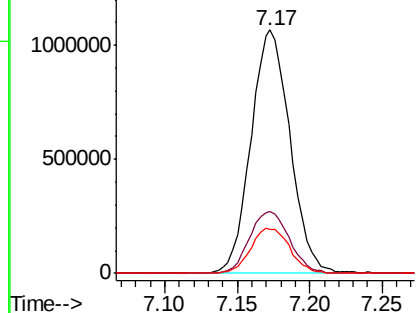
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL034853.D
 Acq: 10 Mar 2020 00:29

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 114 Resp: 1998932
 Ion Ratio Lower Upper
 114 100
 63 26.1 20.6 31.0
 88 18.7 15.0 22.6

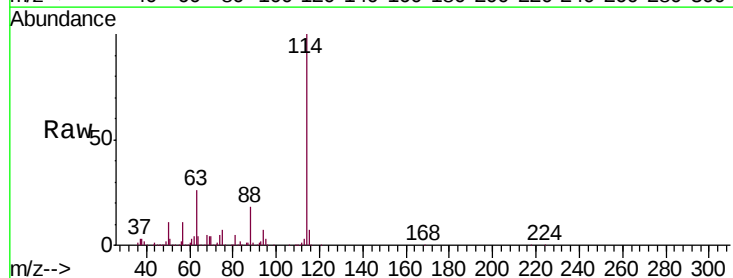


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

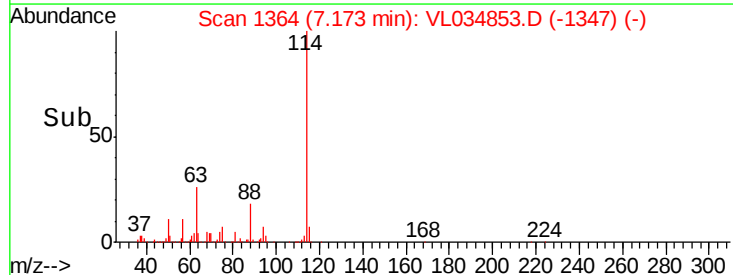
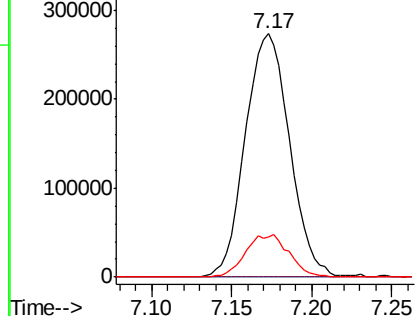


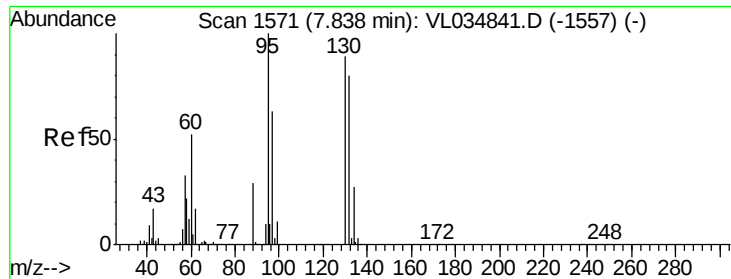
#39
 1,2-Dichloropropane
 Concen: 7.369 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.45 min
 Lab File: VL034853.D
 Acq: 10 Mar 2020 00:29

Tgt Ion: 63 Resp: 520186
 Ion Ratio Lower Upper
 63 100
 41 0.0 59.8 89.8#
 62 16.4 57.6 86.4#



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

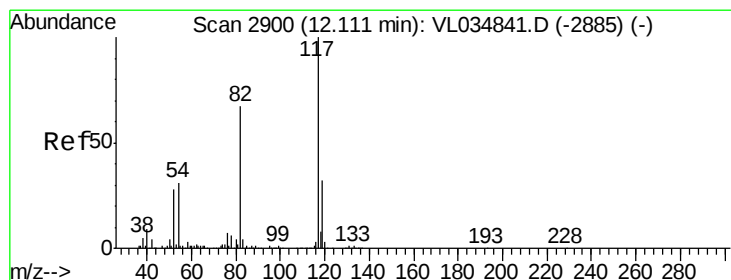
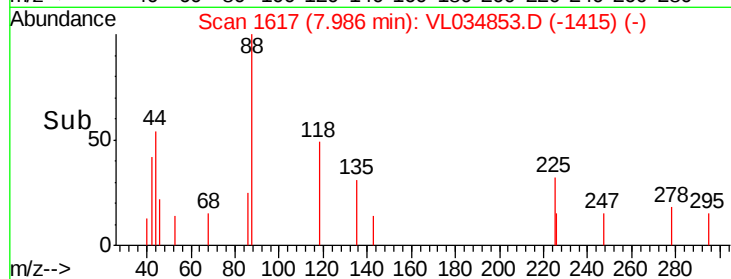
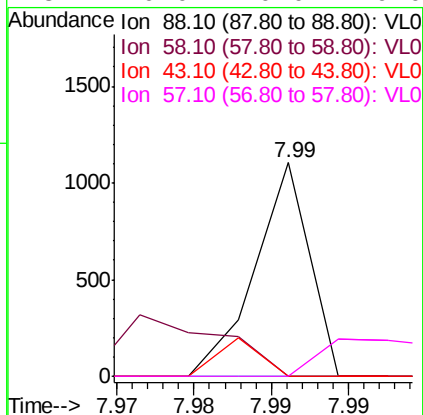
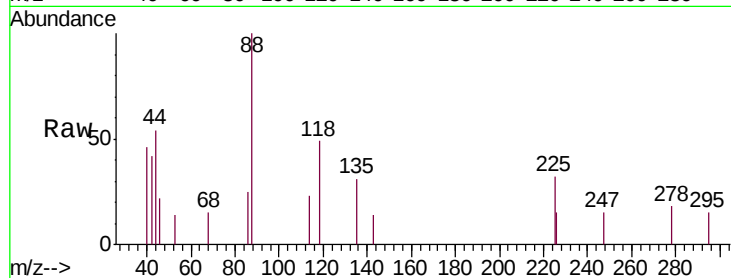




#40
1,4-Dioxane
Concen: 0.010 ppbv
RT: 7.99 min Scan# 1617
Delta R.T. 0.15 min
Lab File: VL034853.D
Acq: 10 Mar 2020 00:29

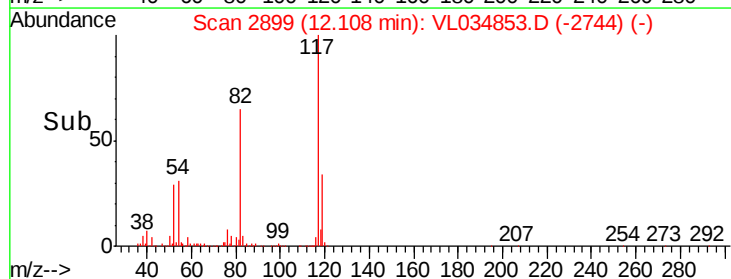
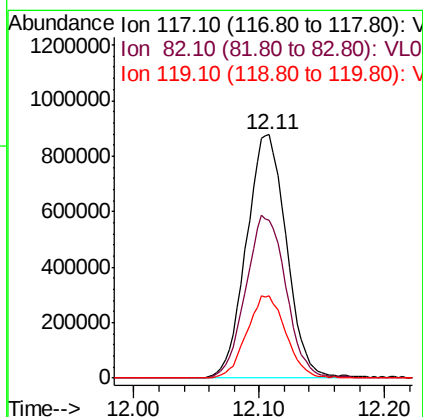
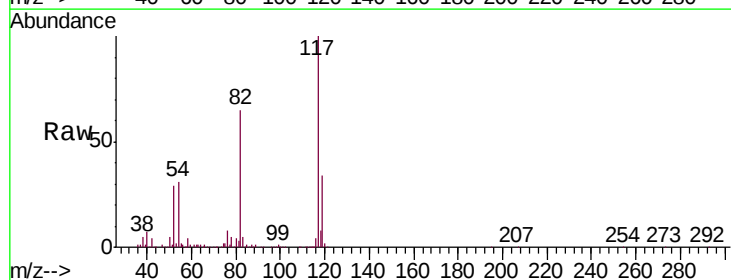
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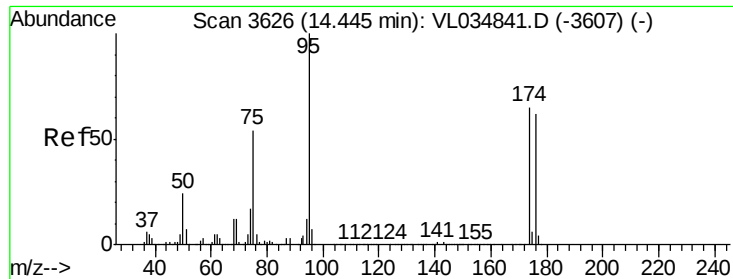
Tgt Ion: 88 Resp: 269
Ion Ratio Lower Upper
88 100
58 0.0 103.9 155.9#
43 80.7 0.0 0.0#
57 0.0 0.0 0.0



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL034853.D
Acq: 10 Mar 2020 00:29

Tgt Ion: 117 Resp: 1949291
Ion Ratio Lower Upper
117 100
82 67.2 51.1 76.7
119 33.2 27.3 40.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.168 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL034853.D

Acq: 10 Mar 2020 00:29

Instrument :

MSVOA_L

ClientSampleId :

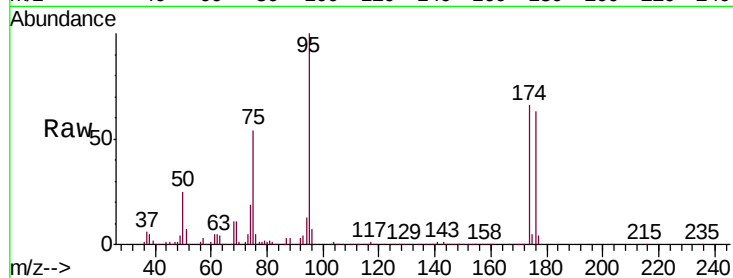
Tgt Ion: 95 Resp: 1545749

Ion Ratio Lower Upper

95 100

174 69.9 55.2 82.8

175 5.2 4.3 6.5



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

