

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030619\
Quantitation Report (Not Reviewed)

Data File : VL033250.D
Acq On : 6 Mar 2019 10:27
Operator : SY/AP
Sample : QC022819 CAN 10314
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 04:16:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 06 08:43:44 2019
QLast Update : Wed Mar 06 08:43:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	858194	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1934439	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1944750	10.00	ppbv	0.00

System Monitoring Compounds

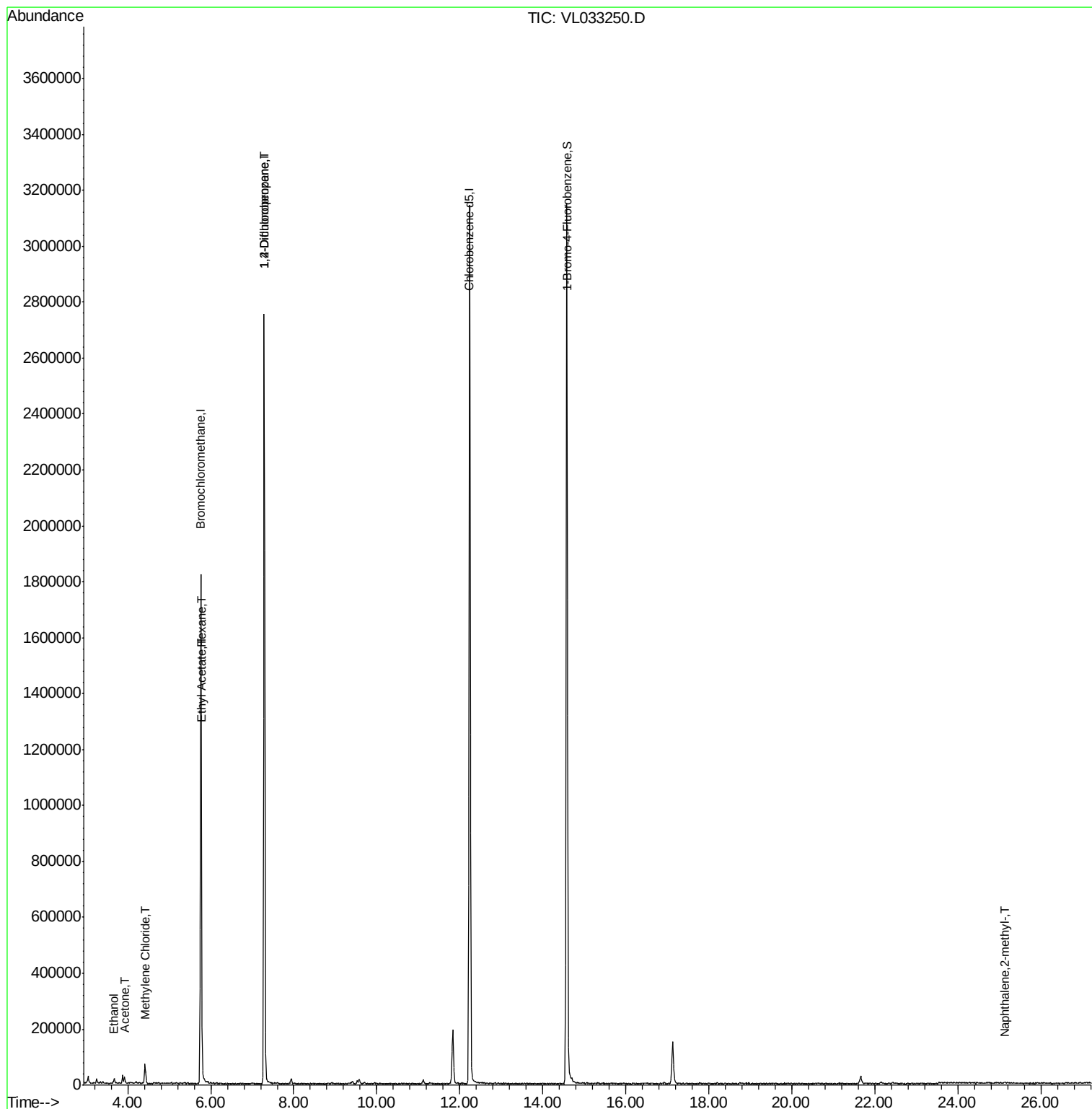
68) 1-Bromo-4-Fluorobenzene	14.58	95	1518268	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

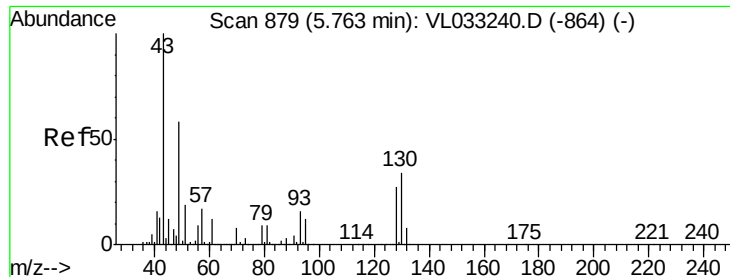
Target Compounds						Qvalue
13) Ethanol	3.67	45	10671	0.815	ppbv	94
15) Acetone	3.92	43	21366	0.193	ppbv #	87
20) Methylene Chloride	4.41	84	20802	0.497	ppbv #	83
25) Ethyl Acetate	5.78	43	6911	0.034	ppbv #	83
26) Hexane	5.78	57	8401	0.089	ppbv #	1
39) 1,2-Dichloropropane	7.29	63	524306	7.396	ppbv #	25
80) Naphthalene,2-methyl-	25.12	142	2694	0.031	ppbv #	73

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033250.D

Acq: 6 Mar 2019 10:27

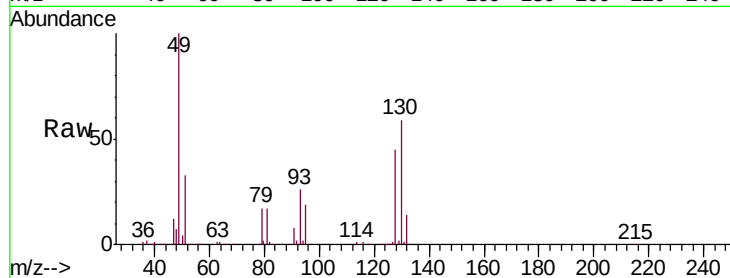
Tgt Ion: 49 Resp: 858194

Ion Ratio Lower Upper

49 100

128 45.9 22.9 68.8

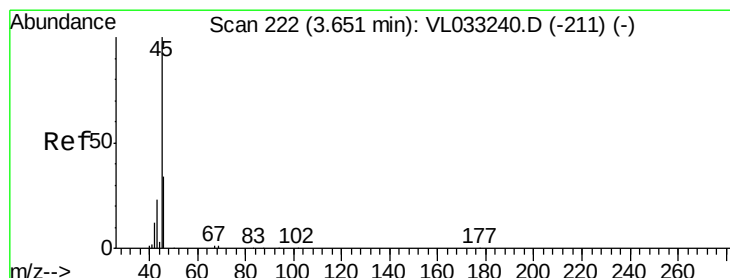
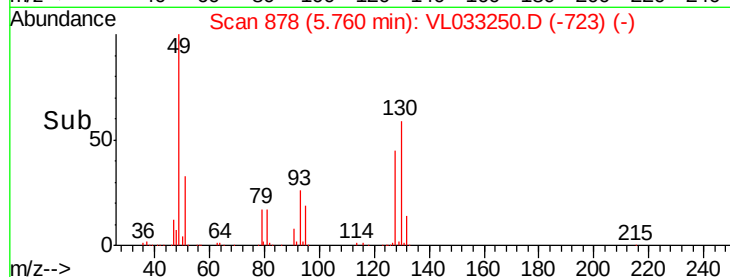
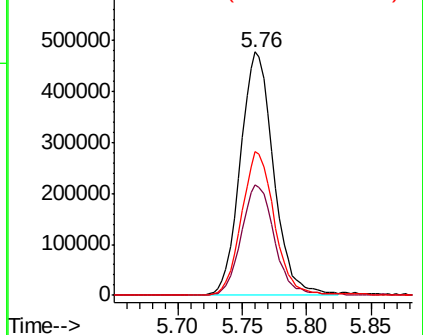
130 59.1 29.3 88.0



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



#13

Ethanol

Concen: 0.815 ppbv

RT: 3.67 min Scan# 229

Delta R.T. 0.02 min

Lab File: VL033250.D

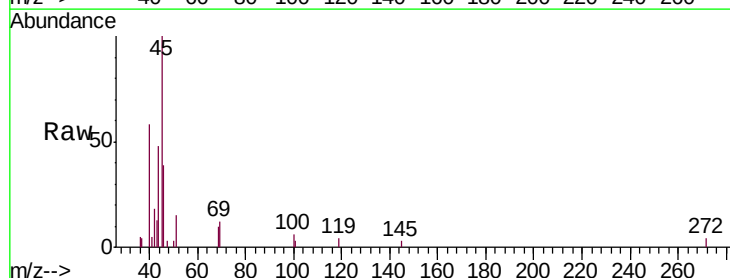
Acq: 6 Mar 2019 10:27

Tgt Ion: 45 Resp: 10671

Ion Ratio Lower Upper

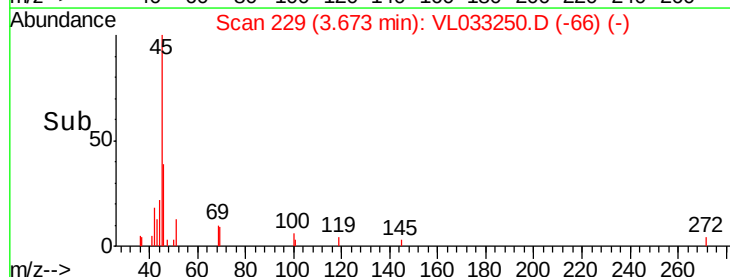
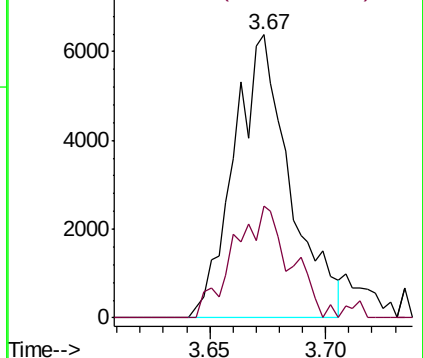
45 100

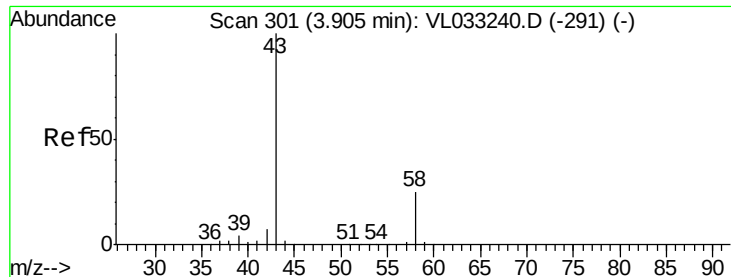
46 41.7 15.3 61.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.193 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.02 min

Lab File: VL033250.D

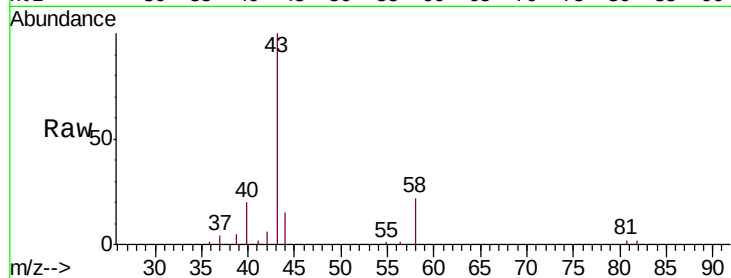
Acq: 6 Mar 2019 10:27

Tgt Ion: 43 Resp: 21366

Ion Ratio Lower Upper

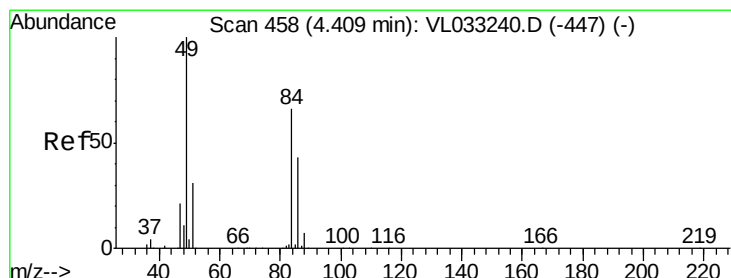
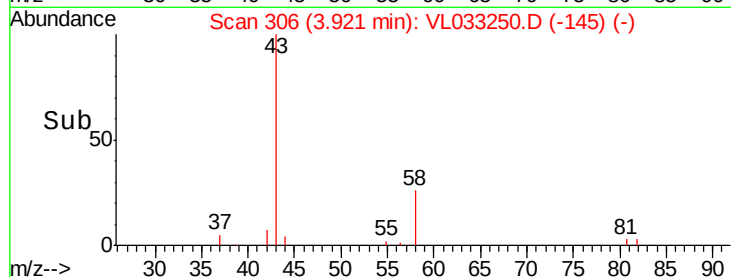
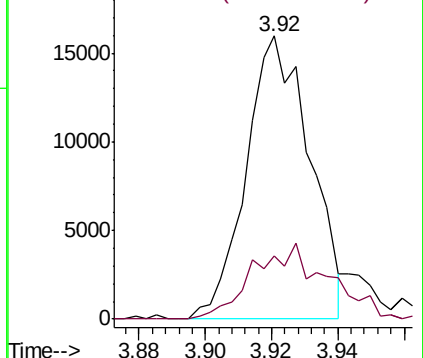
43 100

58 31.7 20.2 30.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.497 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033250.D

Acq: 6 Mar 2019 10:27

Tgt Ion: 84 Resp: 20802

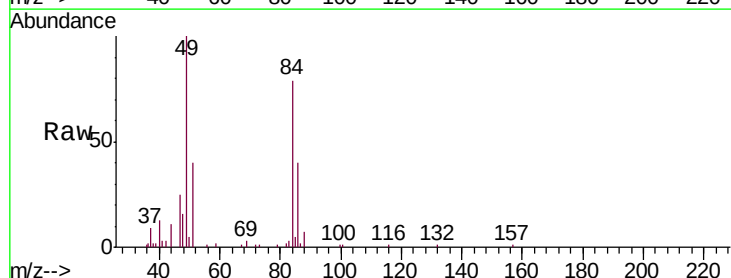
Ion Ratio Lower Upper

84 100

49 125.8 120.4 180.6

51 50.4 36.7 55.1

86 50.3 51.8 77.8#

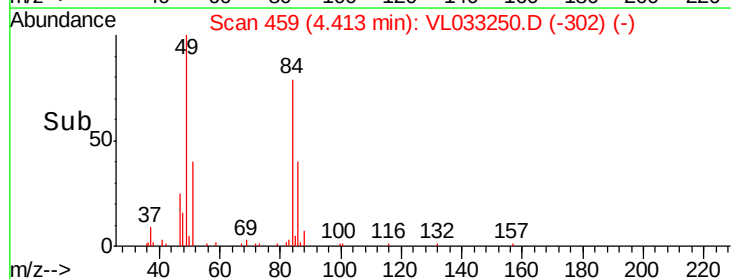
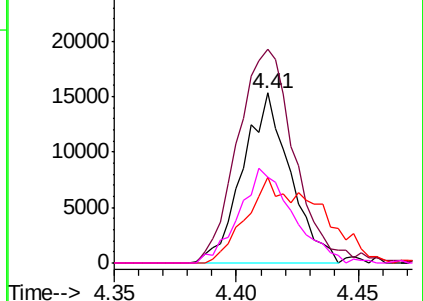


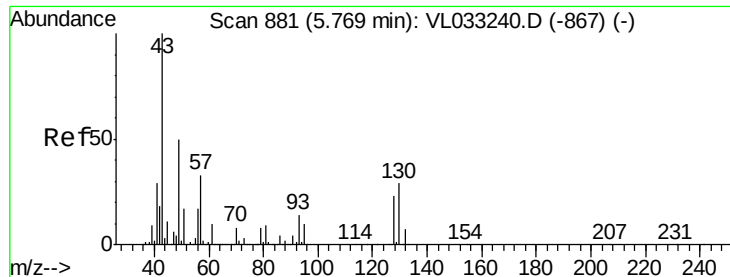
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

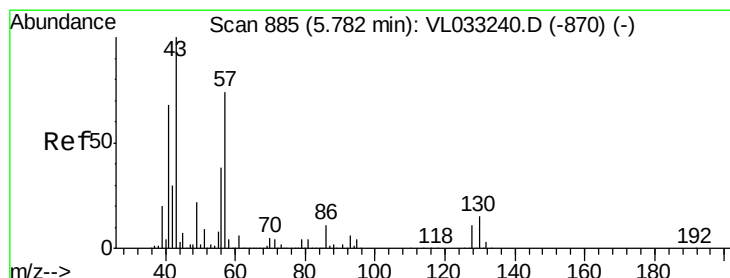
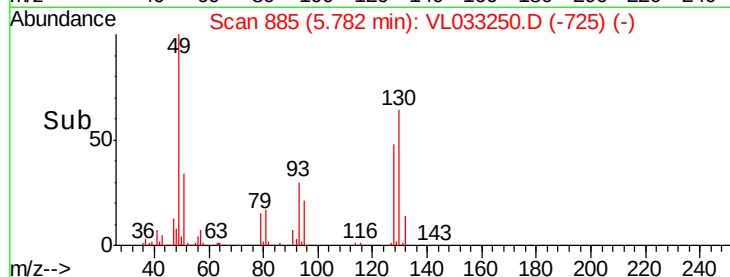
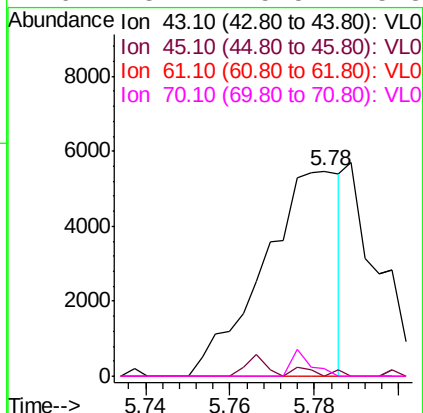
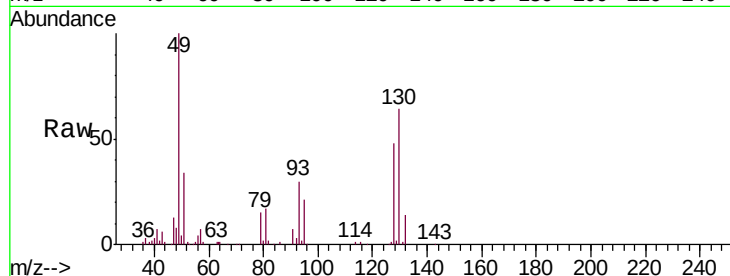
Ion 86.00 (85.70 to 86.70): VL0





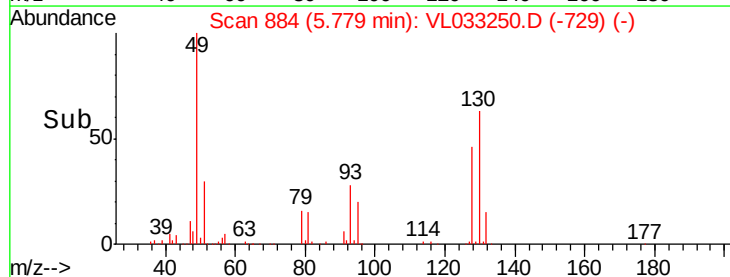
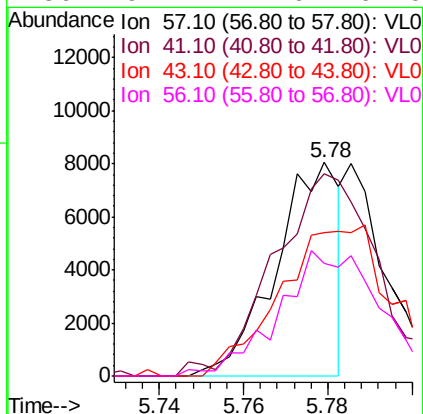
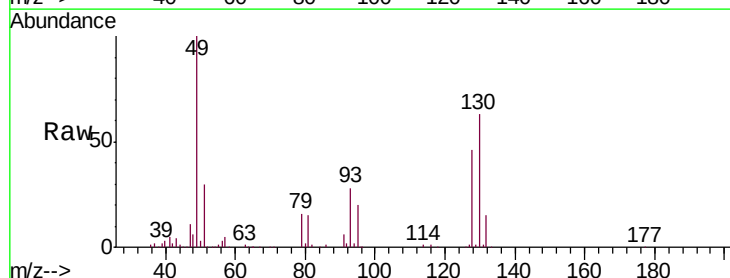
#25
Ethyl Acetate
Concen: 0.034 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL033250.D
Acq: 6 Mar 2019 10:27

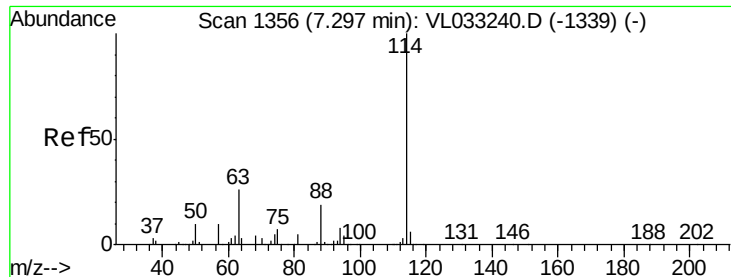
Tgt Ion:	43	Resp:	6911
Ion	Ratio	Lower	Upper
43	100		
45	4.7	7.8	11.6#
61	0.0	7.0	10.6#
70	3.2	5.5	8.3#



#26
Hexane
Concen: 0.089 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033250.D
Acq: 6 Mar 2019 10:27

Tgt Ion:	57	Resp:	8401
Ion	Ratio	Lower	Upper
57	100		
41	157.0	73.4	110.2#
43	0.0	182.1	273.1#
56	94.7	42.6	64.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033250.D

Acq: 6 Mar 2019 10:27

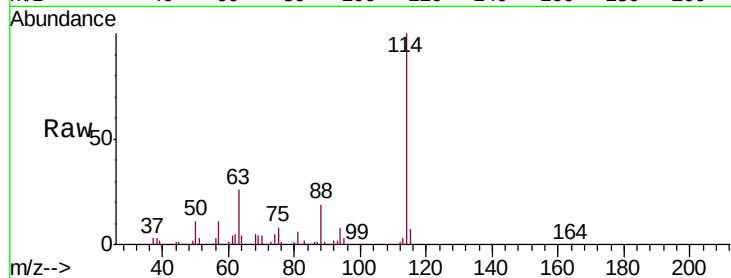
Tgt Ion: 114 Resp: 1934439

Ion Ratio Lower Upper

114 100

63 27.2 22.0 33.0

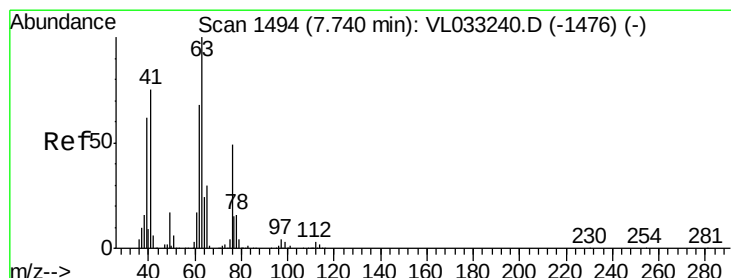
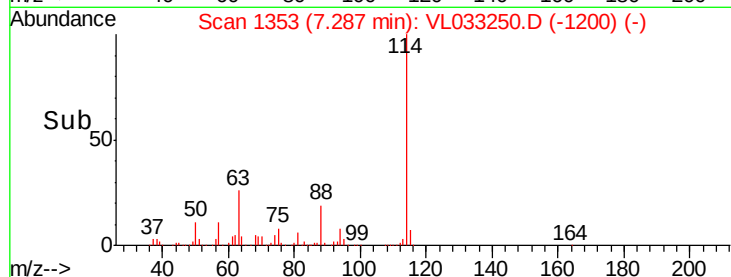
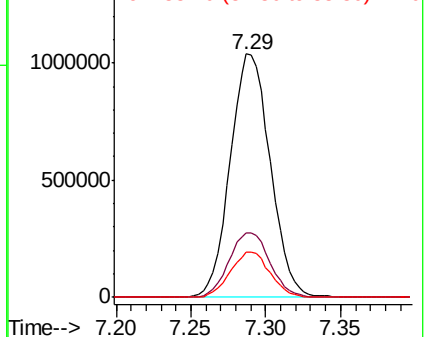
88 18.6 15.0 22.4



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: 7.396 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.45 min

Lab File: VL033250.D

Acq: 6 Mar 2019 10:27

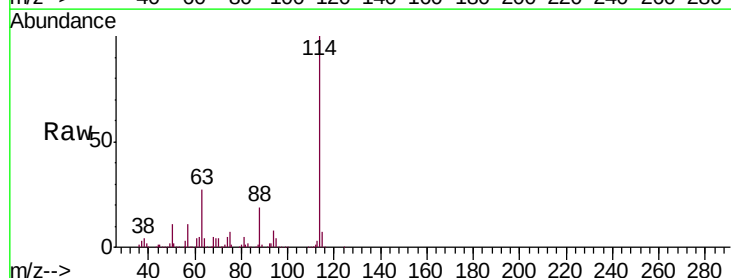
Tgt Ion: 63 Resp: 524306

Ion Ratio Lower Upper

63 100

41 0.0 60.0 90.0#

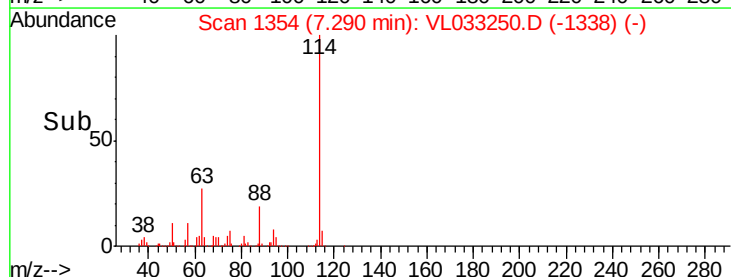
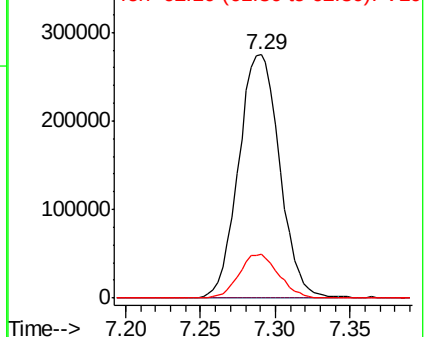
62 18.2 54.2 81.4#

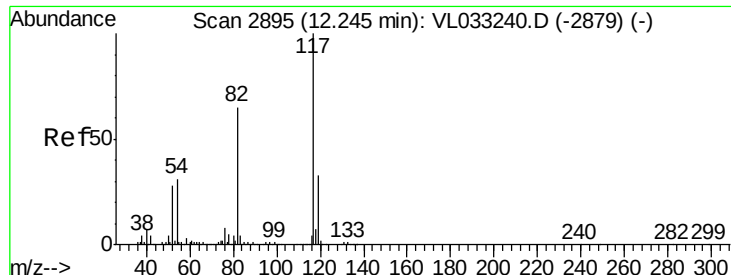


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

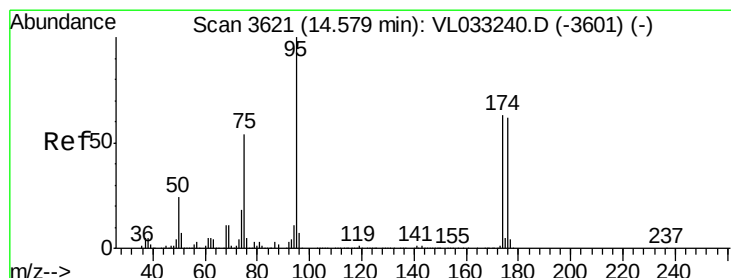
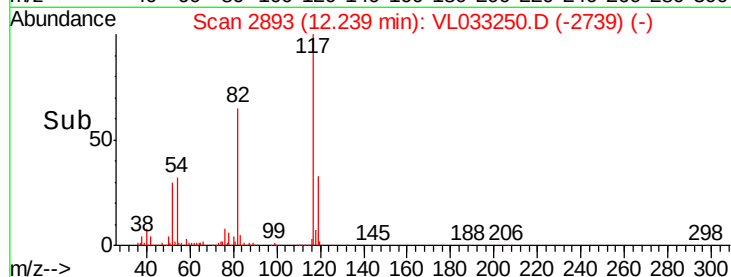
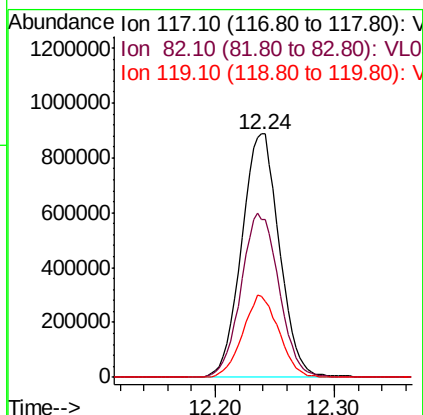
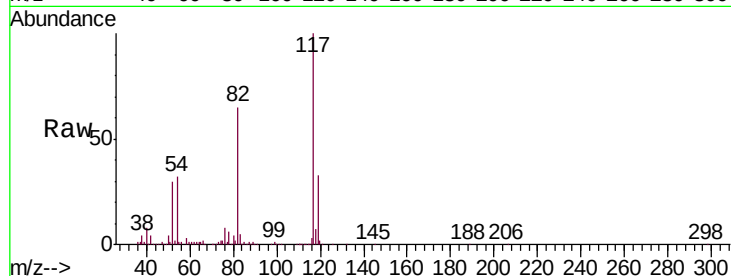
Ion 62.10 (61.80 to 62.80): VL0





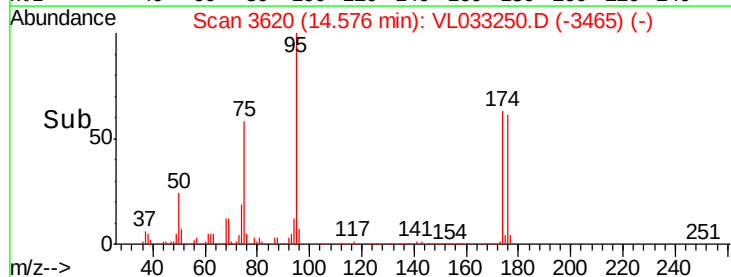
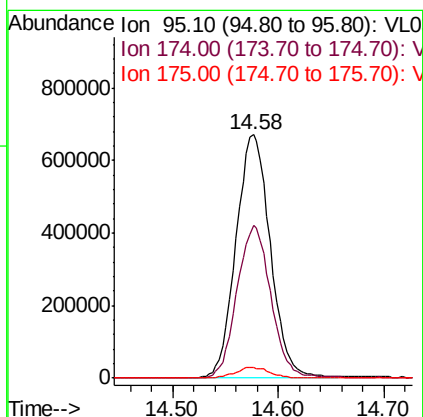
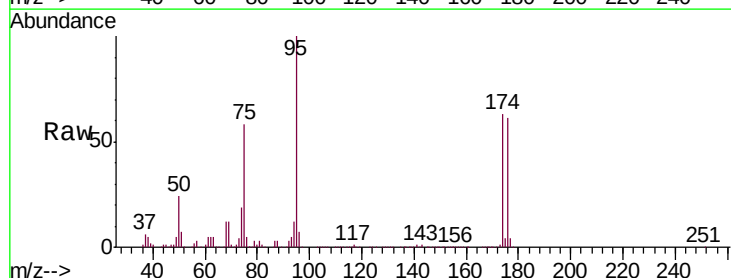
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033250.D
Acq: 6 Mar 2019 10:27

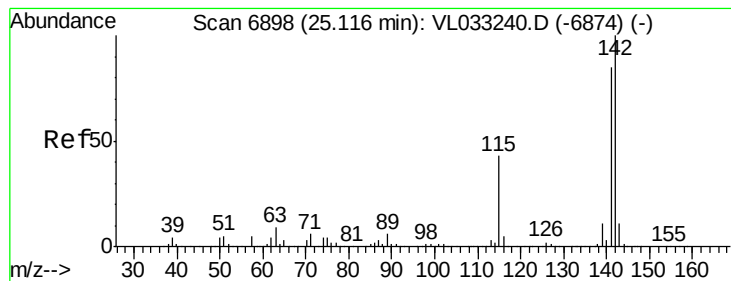
Tgt Ion: 117 Resp: 1944750
Ion Ratio Lower Upper
117 100
82 68.1 51.8 77.8
119 32.3 43.6 65.4#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.289 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033250.D
Acq: 6 Mar 2019 10:27

Tgt Ion: 95 Resp: 1518268
Ion Ratio Lower Upper
95 100
174 62.4 51.0 76.4
175 4.5 3.8 5.6





#80

Naphthalene, 2-methyl-

Concen: 0.031 ppbv

RT: 25.12 min Scan# 6899

Delta R.T. 0.00 min

Lab File: VL033250.D

Acq: 6 Mar 2019 10:27

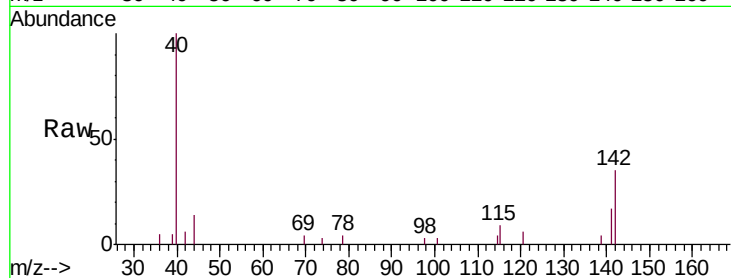
Tgt Ion: 142 Resp: 2694

Ion Ratio Lower Upper

142 100

141 57.3 68.0 102.0#

115 30.5 34.1 51.1#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

