

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL051618\
 Data File : VL032005.D
 Acq On : 16 May 2018 17:41
 Operator : SY/AP
 Sample : VL0516ABL01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABL01

Quant Time: May 17 09:04:43 2018
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018
 QLast Update : Thu May 03 15:52:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.87	49	1546113	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.41	114	2249389	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.37	117	2355405	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.71	95	1872120	10.25	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

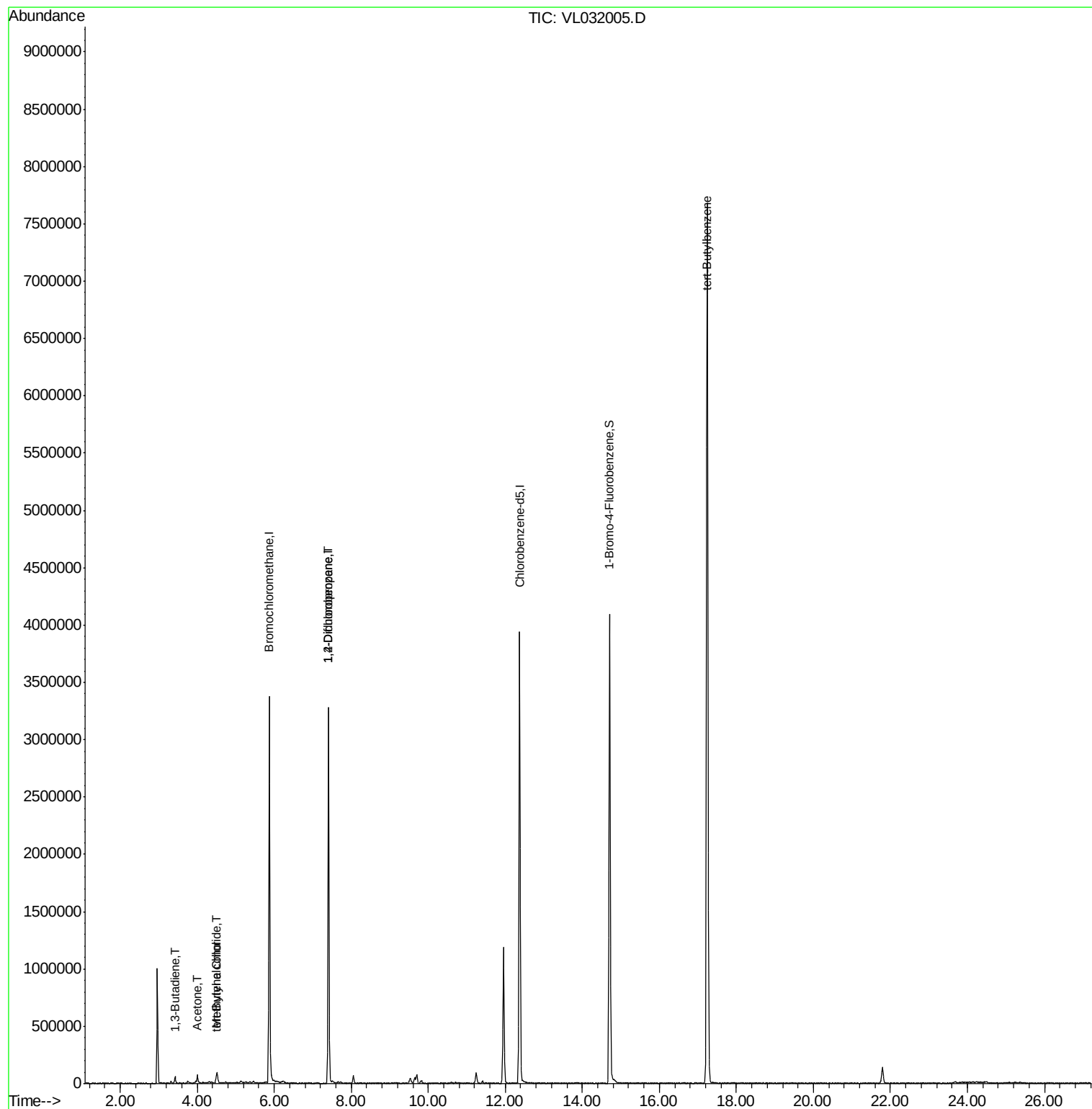
Target Compounds						Qvalue
15) Acetone	4.00	43	74839	0.34	ppbv #	88
16) 1,3-Butadiene	3.42	39	16359	0.23	ppbv #	11
17) tert-Butyl alcohol	4.49	59	20059	0.22	ppbv #	80
20) Methylene Chloride	4.51	84	22708	0.31	ppbv #	94
39) 1,2-Dichloropropane	7.41	63	589842	8.00	ppbv #	24
65) tert-Butylbenzene	17.24	119	115546	0.35	ppbv #	26

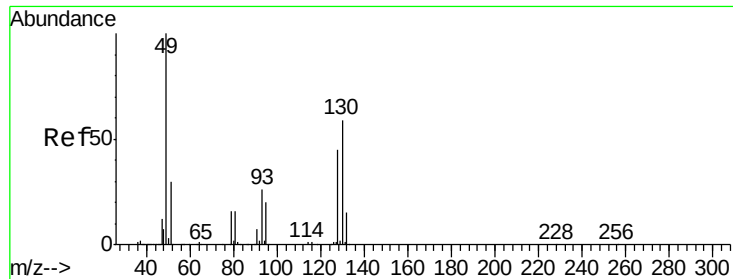
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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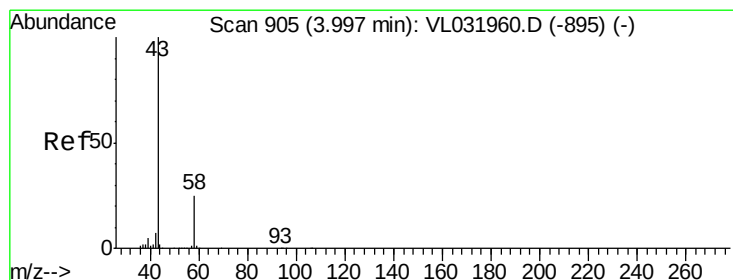
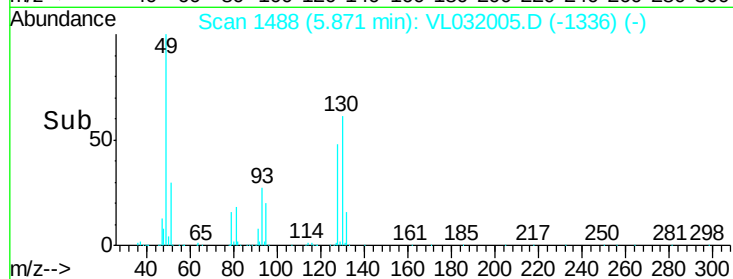
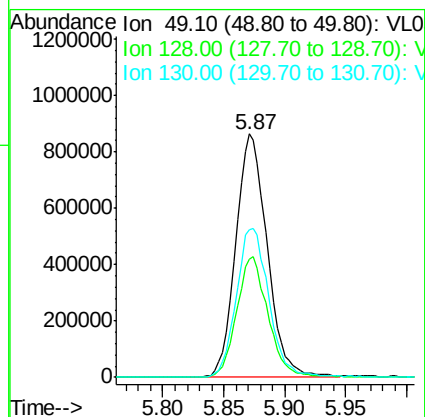
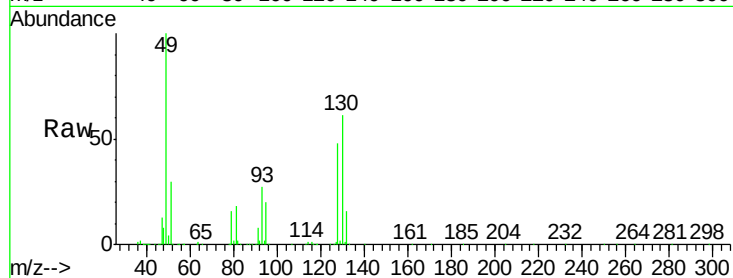




#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.87 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: VL032005.D
 Acq: 16 May 2018 17:41

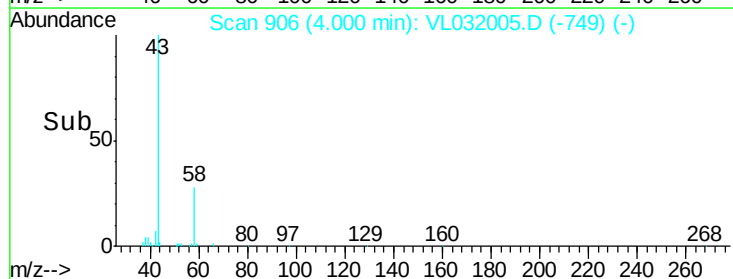
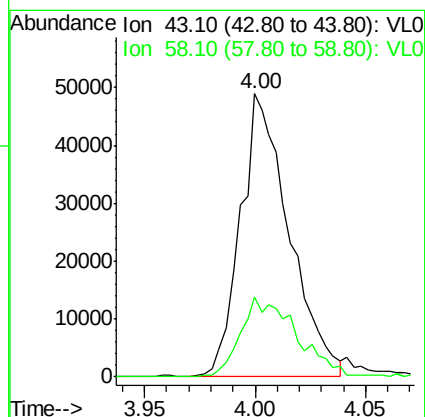
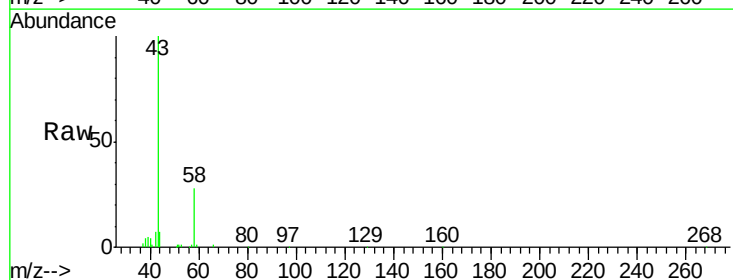
Instrument :
 MSVOA_L
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 VL0516ABL01

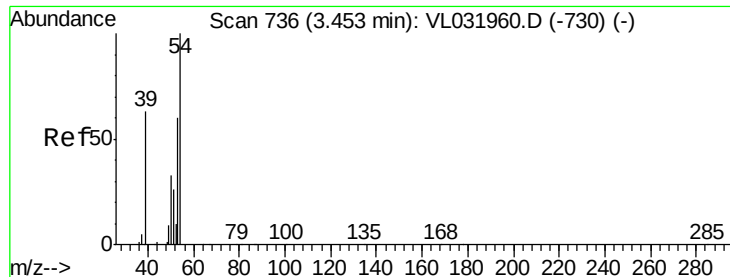
Tgt Ion:	49	Resp:	1546113
Ion	Ratio	Lower	Upper
49	100		
128	49.6	24.1	72.3
130	63.9	30.7	92.1



#15
 Acetone
 Concen: 0.34 ppbv
 RT: 4.00 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: VL032005.D
 Acq: 16 May 2018 17:41

Tgt Ion:	43	Resp:	74839
Ion	Ratio	Lower	Upper
43	100		
58	32.5	21.1	31.7#

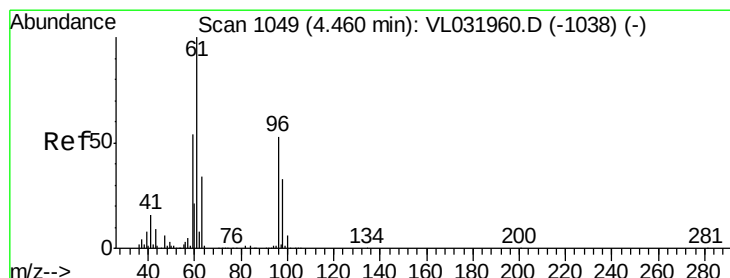
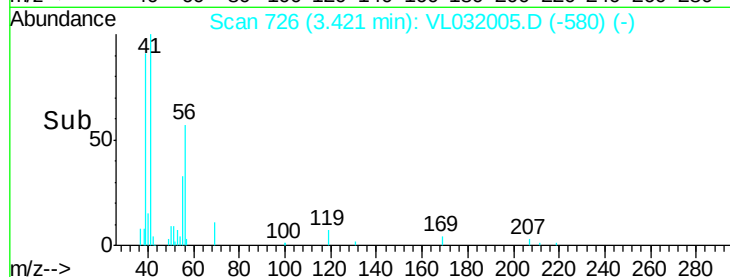
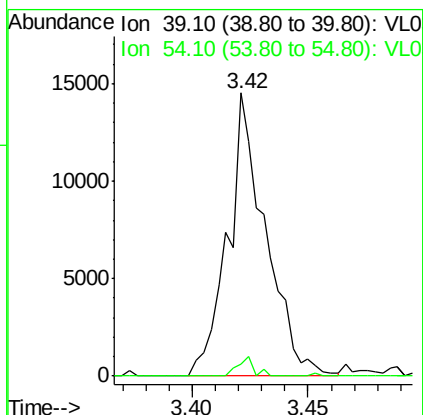
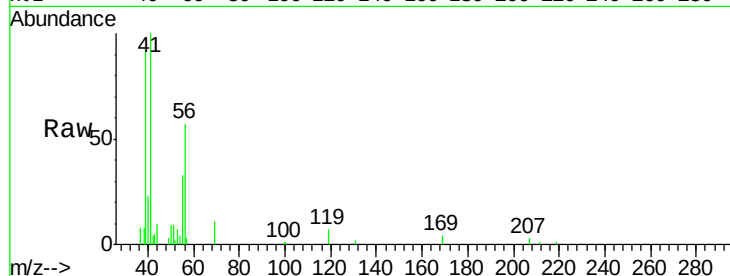




#16
 1,3-Butadiene
 Concen: 0.23 ppbv
 RT: 3.42 min Scan# 726
 Delta R.T. -0.03 min
 Lab File: VL032005.D
 Acq: 16 May 2018 17:41

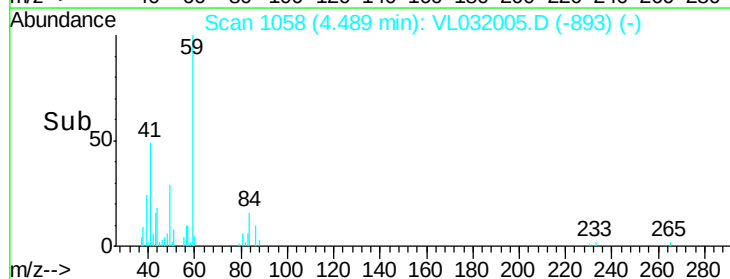
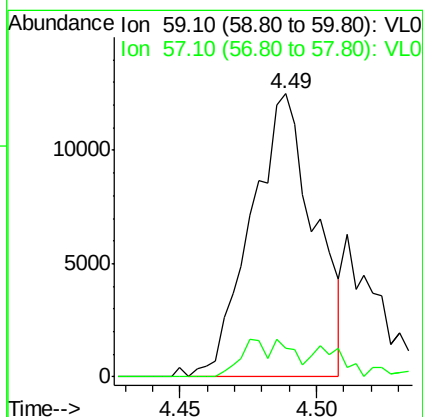
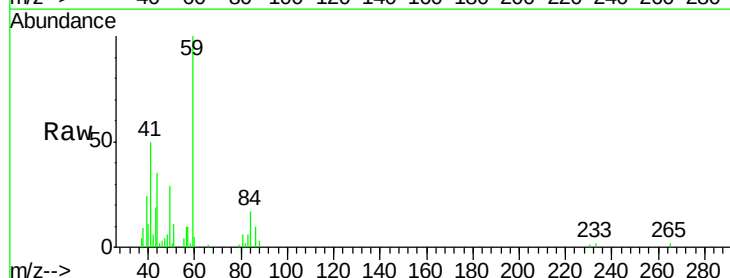
Instrument :
 MSVOA_L
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 VL0516ABL01

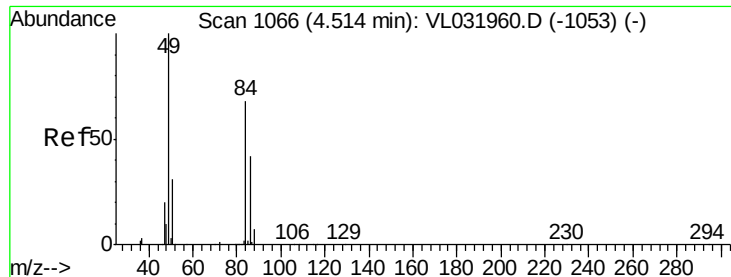
Tgt Ion: 39 Resp: 16359
 Ion Ratio Lower Upper
 39 100
 54 2.8 66.2 99.2#



#17
 tert-Butyl alcohol
 Concen: 0.22 ppbv
 RT: 4.49 min Scan# 1058
 Delta R.T. 0.03 min
 Lab File: VL032005.D
 Acq: 16 May 2018 17:41

Tgt Ion: 59 Resp: 20059
 Ion Ratio Lower Upper
 59 100
 57 17.7 8.3 12.5#

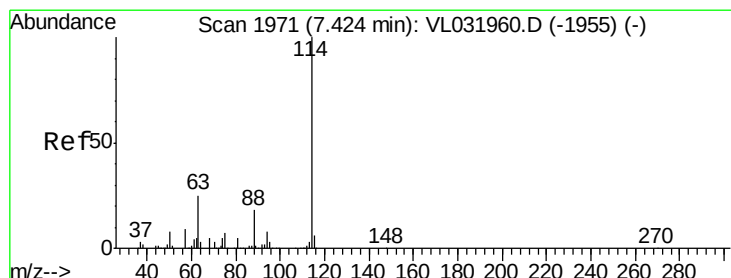
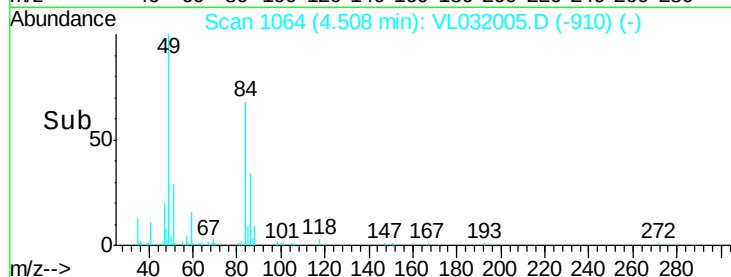
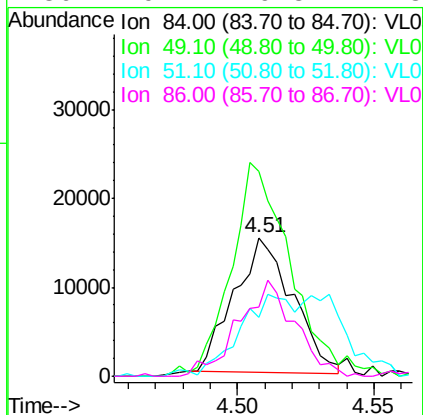
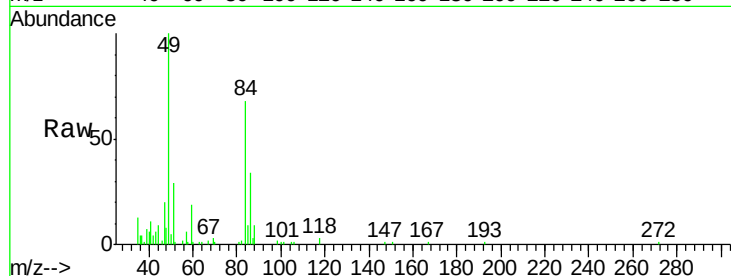




#20
Methylene Chloride
Concen: 0.31 ppbv
RT: 4.51 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VL032005.D
Acq: 16 May 2018 17:41

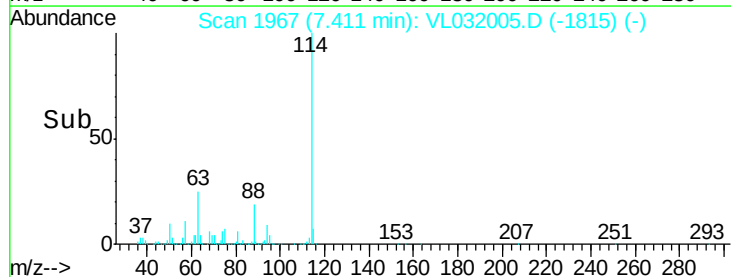
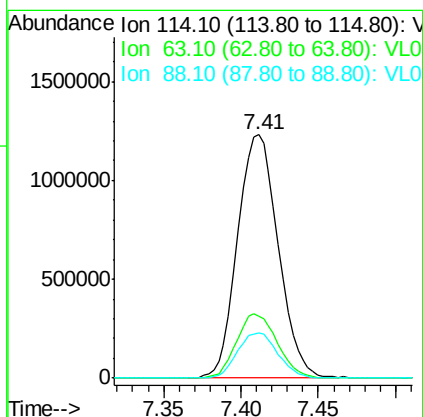
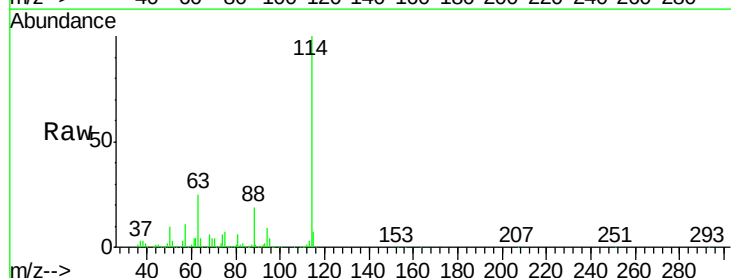
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABL01

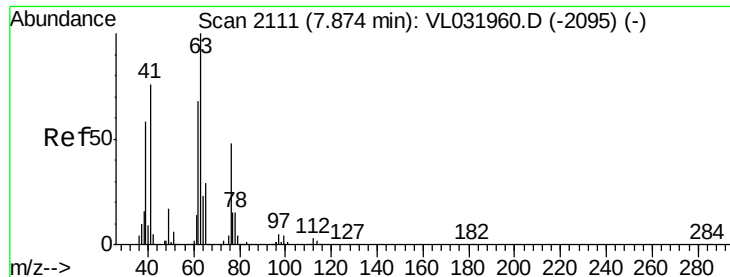
Tgt Ion: 84 Resp: 22708
Ion Ratio Lower Upper
84 100
49 150.1 118.6 178.0
51 40.2 36.6 54.8
86 49.4 49.8 74.8#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.41 min Scan# 1967
Delta R.T. -0.01 min
Lab File: VL032005.D
Acq: 16 May 2018 17:41

Tgt Ion: 114 Resp: 2249389
Ion Ratio Lower Upper
114 100
63 26.6 20.8 31.2
88 18.5 14.6 21.8





#39

1,2-Dichloropropane

Concen: 8.00 ppbv

RT: 7.41 min Scan# 1966

Delta R.T. -0.47 min

Lab File: VL032005.D

Acq: 16 May 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABL01

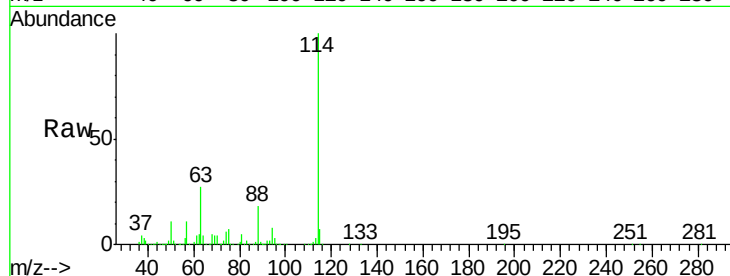
Tgt Ion: 63 Resp: 589842

Ion Ratio Lower Upper

63 100

41 0.1 60.7 91.1#

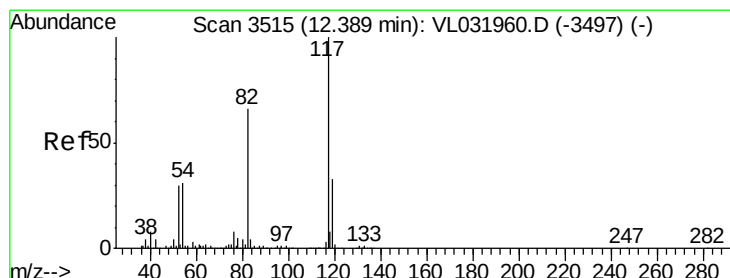
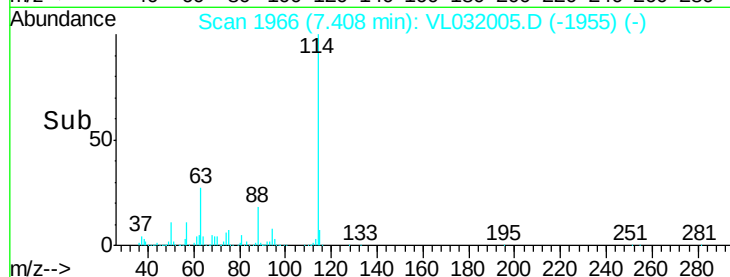
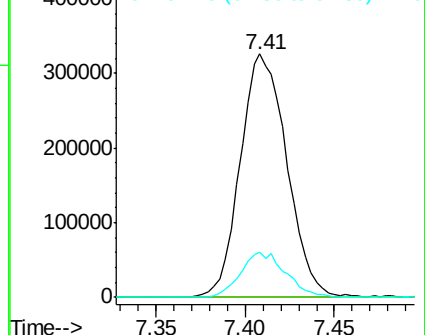
62 18.5 54.7 82.1#



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: 10.00 ppbv

RT: 12.37 min Scan# 3510

Delta R.T. -0.02 min

Lab File: VL032005.D

Acq: 16 May 2018 17:41

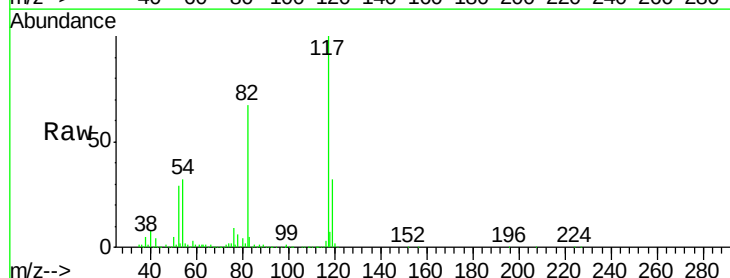
Tgt Ion: 117 Resp: 2355405

Ion Ratio Lower Upper

117 100

82 69.2 51.6 77.4

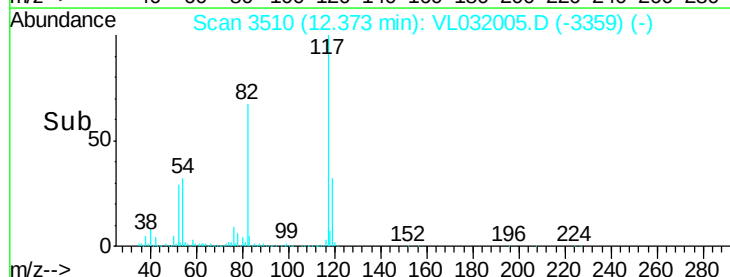
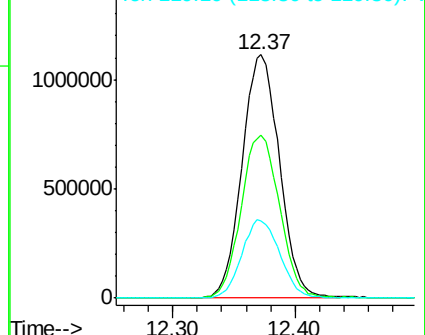
119 32.7 44.2 66.4#

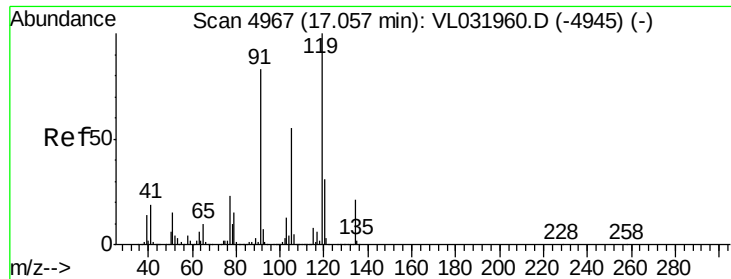


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

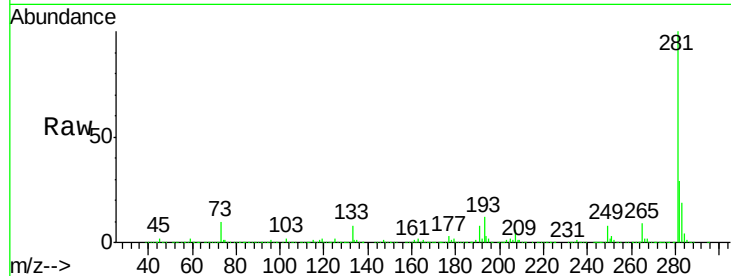




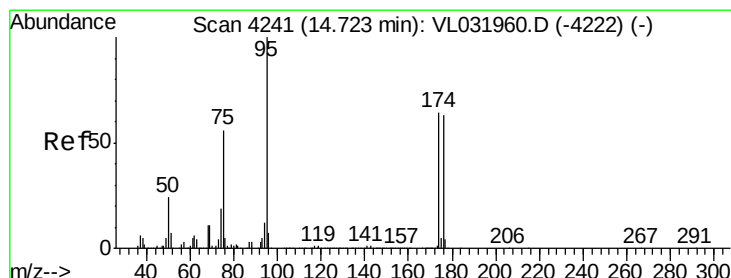
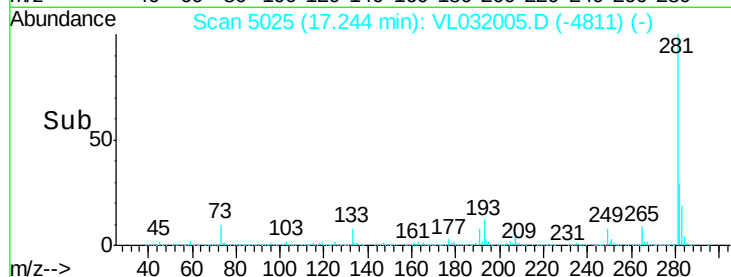
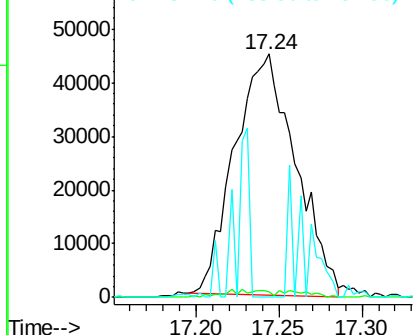
#65
 tert-Butylbenzene
 Concen: 0.35 ppbv
 RT: 17.24 min Scan# 5025
 Delta R.T. 0.19 min
 Lab File: VL032005.D
 Acq: 16 May 2018 17:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABL01

Tgt Ion: 119 Resp: 115546
 Ion Ratio Lower Upper
 119 100
 91 3.4 68.1 102.1#
 134 15.8 15.4 23.0

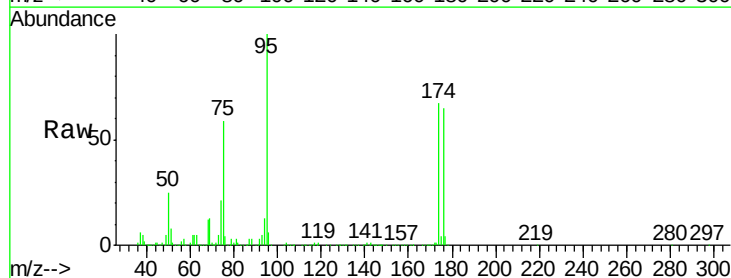


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.25 ppbv
 RT: 14.71 min Scan# 4237
 Delta R.T. -0.01 min
 Lab File: VL032005.D
 Acq: 16 May 2018 17:41

Tgt Ion: 95 Resp: 1872120
 Ion Ratio Lower Upper
 95 100
 174 66.2 53.0 79.6
 175 4.6 3.9 5.9



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

