

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050719\
 Data File : VL033678.D
 Acq On : 7 May 2019 12:22
 Operator : SY/AP
 Sample : VL0507ABL01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABL01

Quant Time: May 08 02:23:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	911638	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2112168	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2073123	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1801375	10.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.00%

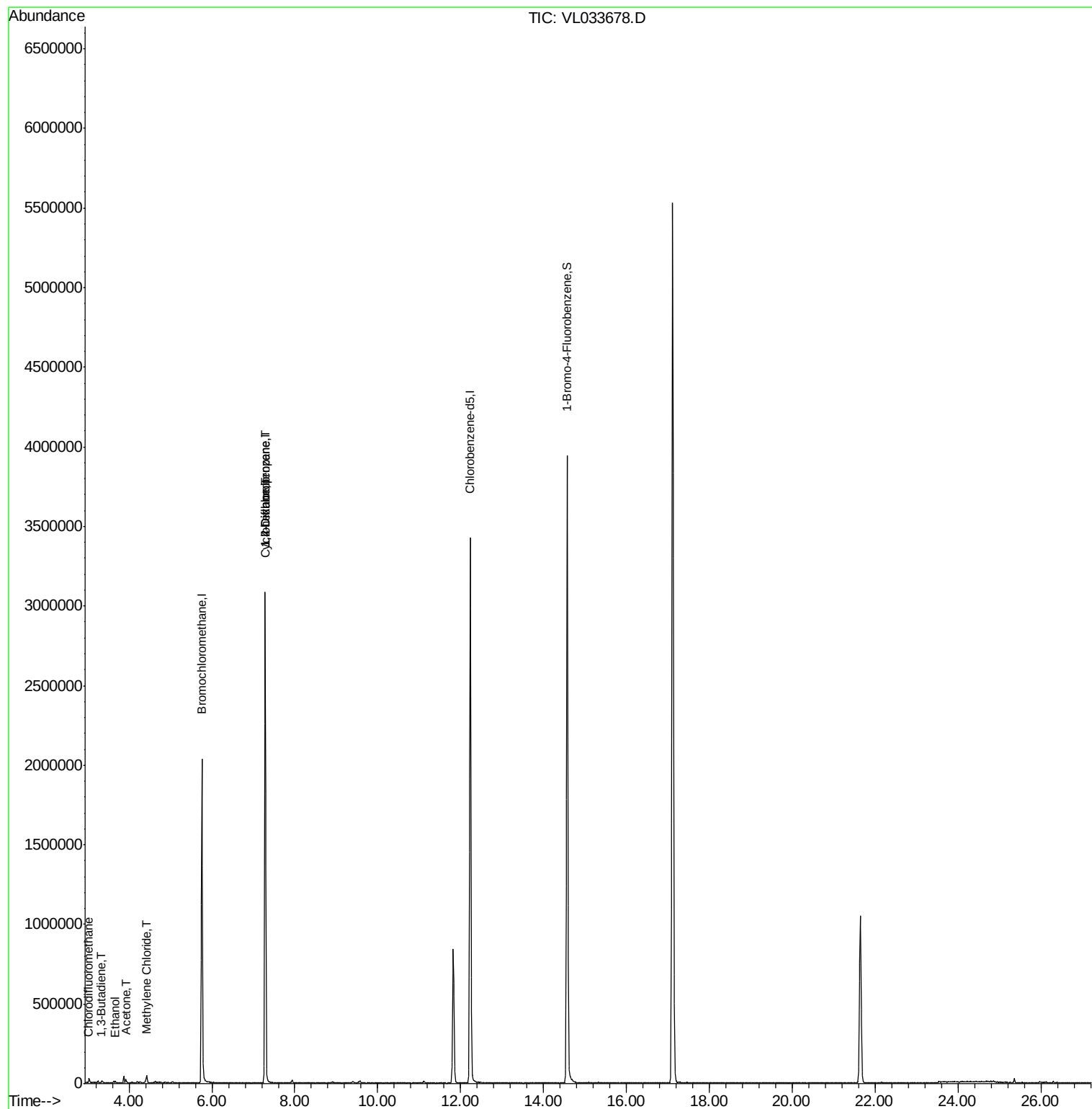
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.01	51	2601	0.020	ppbv #	85
13) Ethanol	3.66	45	218	0.014	ppbv #	38
15) Acetone	3.92	43	21846	0.161	ppbv #	86
16) 1,3-Butadiene	3.34	39	1601	0.028	ppbv #	7
20) Methylene Chloride	4.41	84	4745	0.092	ppbv #	62
30) Cyclohexane	7.27	84	5922	0.074	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	558421	7.911	ppbv #	22

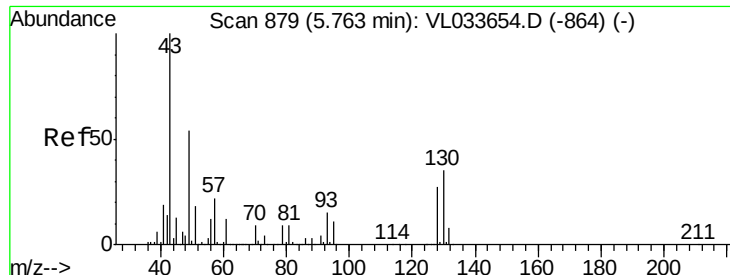
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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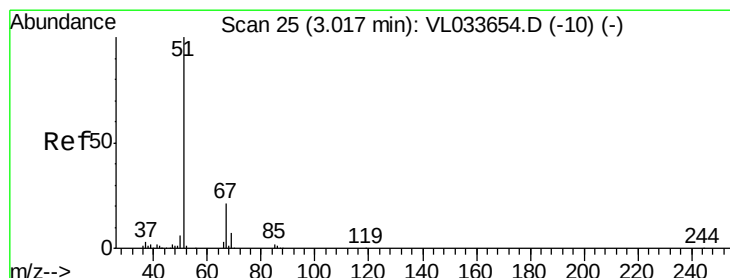
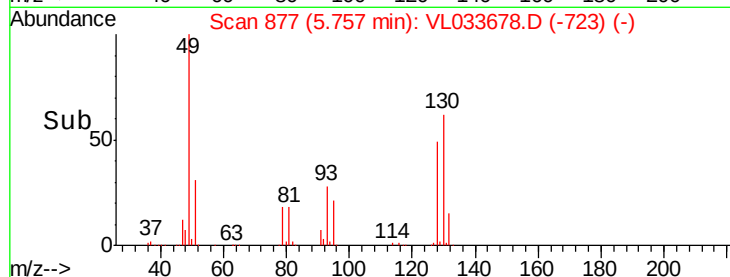
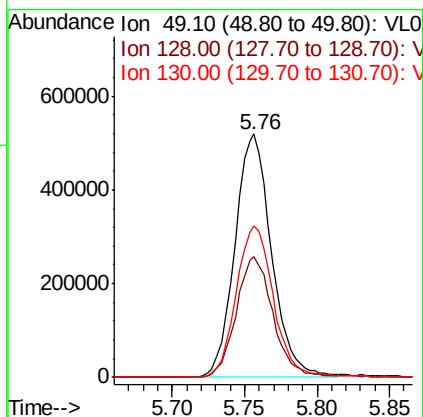
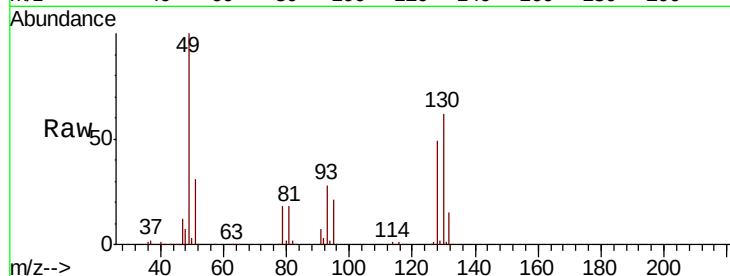




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033678.D
Acq: 7 May 2019 12:22

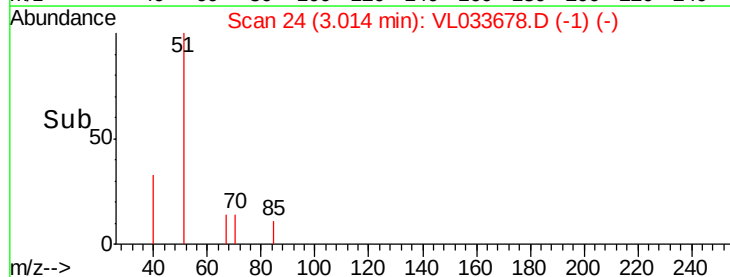
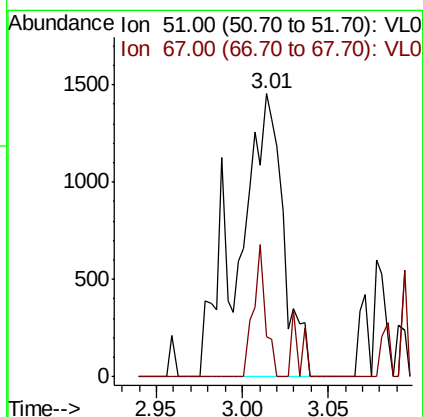
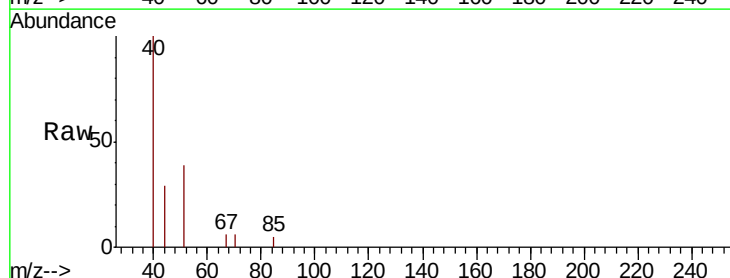
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABL01

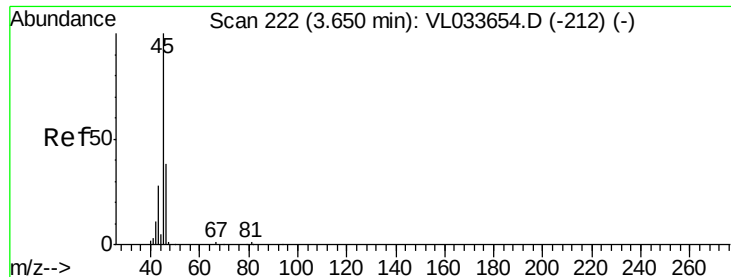
Tgt Ion: 49 Resp: 911638
Ion Ratio Lower Upper
49 100
128 50.3 24.8 74.3
130 64.7 32.1 96.5



#3
Chlorodifluoromethane
Concen: 0.020 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033678.D
Acq: 7 May 2019 12:22

Tgt Ion: 51 Resp: 2601
Ion Ratio Lower Upper
51 100
67 12.8 15.7 23.5#

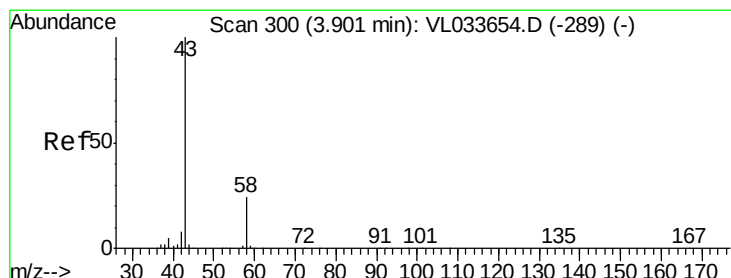
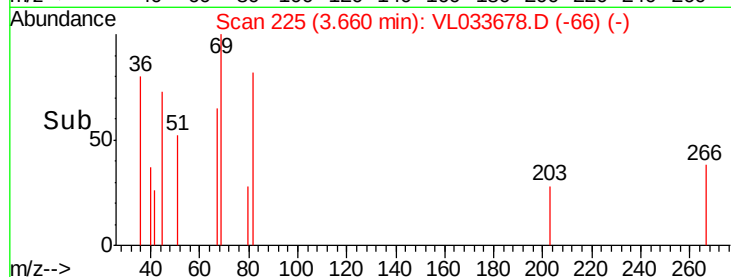
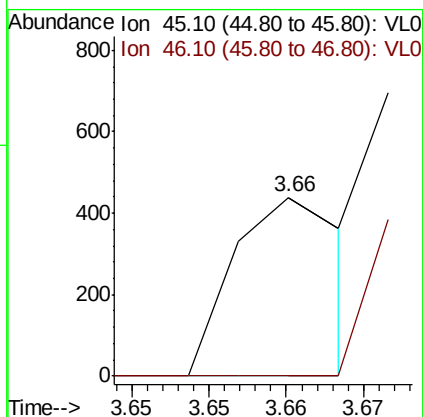
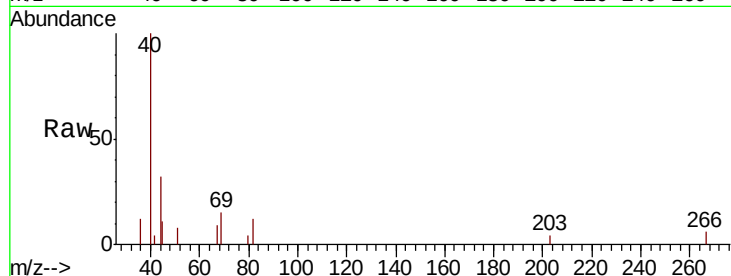




#13
Ethanol
Concen: 0.014 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033678.D
Acq: 7 May 2019 12:22

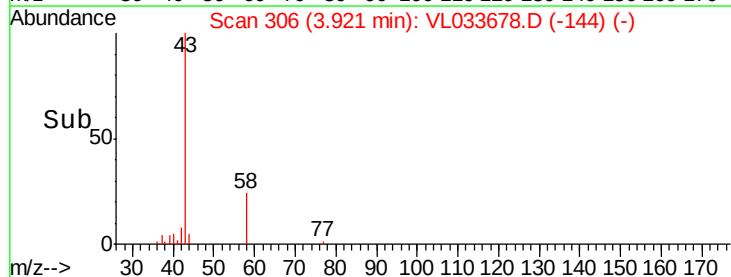
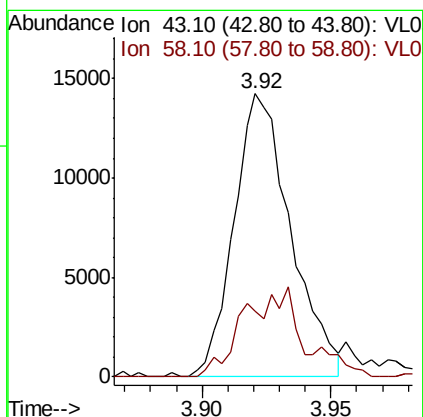
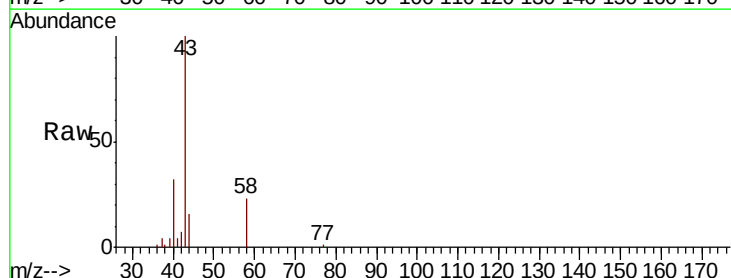
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABL01

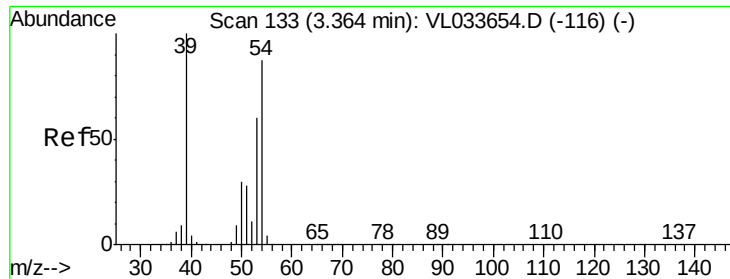
Tgt Ion: 45 Resp: 218
Ion Ratio Lower Upper
45 100
46 0.0 14.9 59.7#



#15
Acetone
Concen: 0.161 ppbv
RT: 3.92 min Scan# 306
Delta R.T. 0.02 min
Lab File: VL033678.D
Acq: 7 May 2019 12:22

Tgt Ion: 43 Resp: 21846
Ion Ratio Lower Upper
43 100
58 33.5 20.9 31.3#

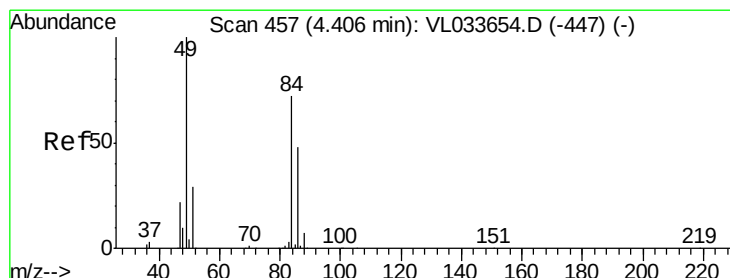
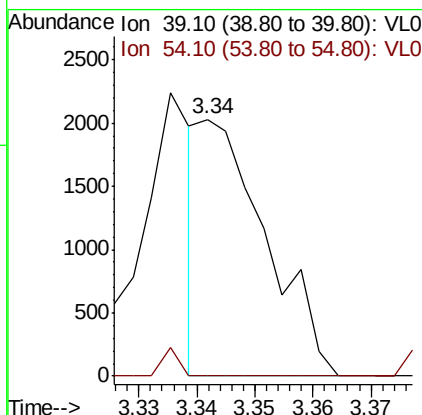
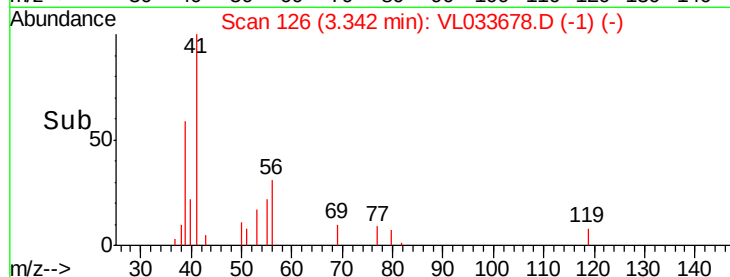
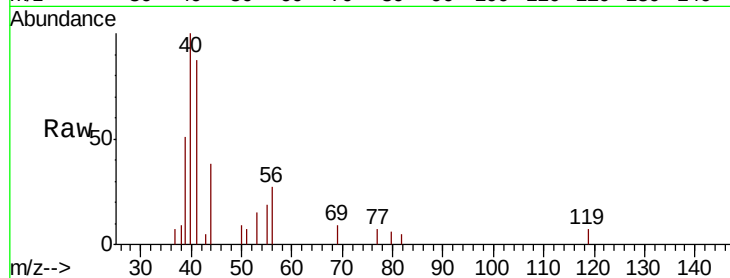




#16
 1,3-Butadiene
 Concen: 0.028 ppbv
 RT: 3.34 min Scan# 126
 Delta R.T. -0.02 min
 Lab File: VL033678.D
 Acq: 7 May 2019 12:22

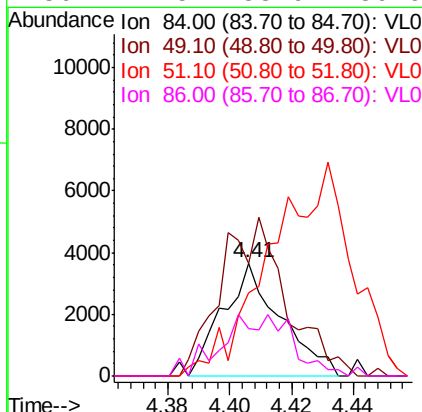
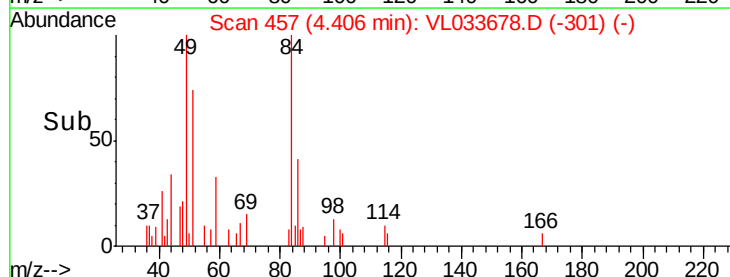
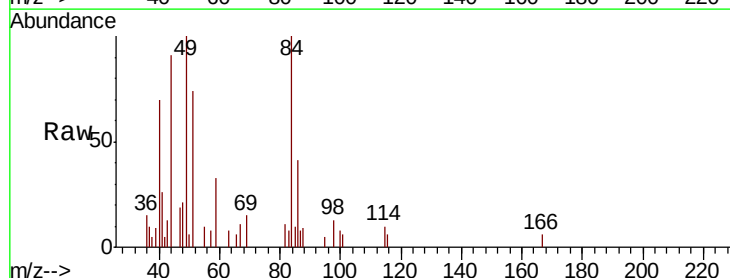
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABL01

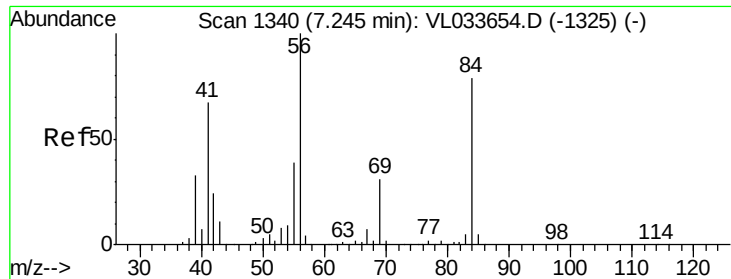
Tgt Ion: 39 Resp: 1601
 Ion Ratio Lower Upper
 39 100
 54 0.0 67.0 100.4#



#20
 Methylene Chloride
 Concen: 0.092 ppbv
 RT: 4.41 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VL033678.D
 Acq: 7 May 2019 12:22

Tgt Ion: 84 Resp: 4745
 Ion Ratio Lower Upper
 84 100
 49 91.5 111.8 167.6#
 51 65.9 32.3 48.5#
 86 41.5 53.9 80.9#

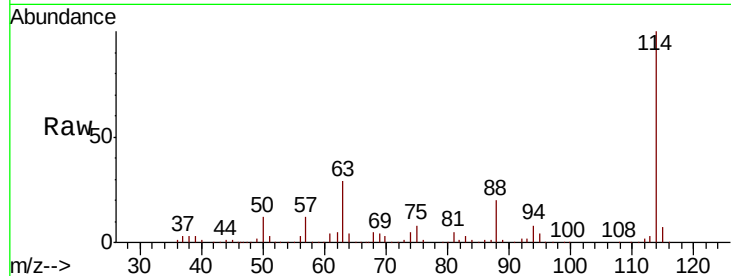




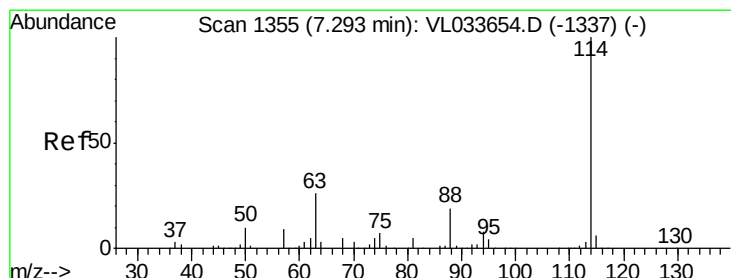
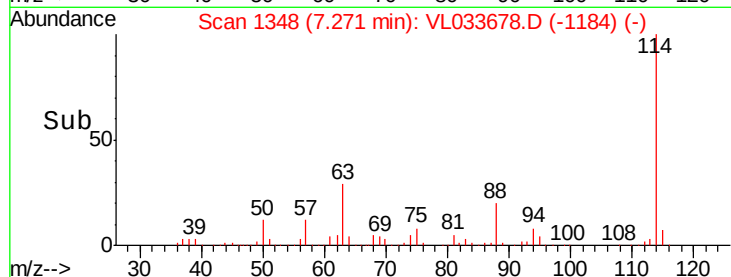
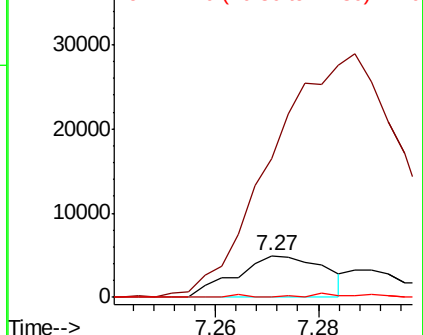
#30
Cyclohexane
Concen: 0.074 ppbv
RT: 7.27 min Scan# 1348
Delta R.T. 0.03 min
Lab File: VL033678.D
Acq: 7 May 2019 12:22

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABL01

Tgt Ion: 84 Resp: 5922
Ion Ratio Lower Upper
84 100
56 0.0 107.0 160.4#
41 0.0 66.6 99.8#

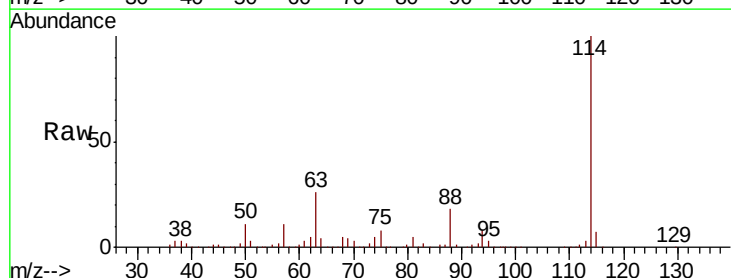


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

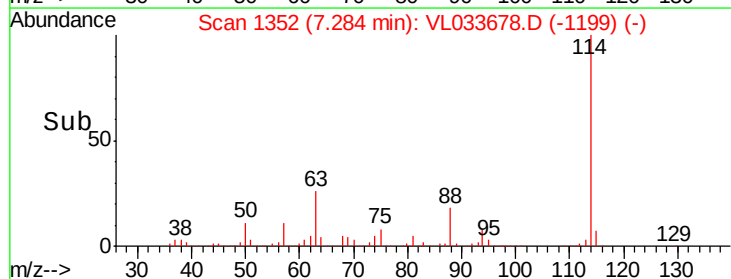
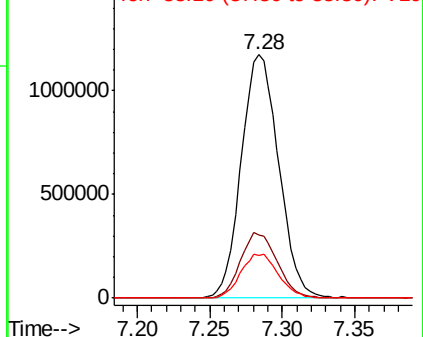


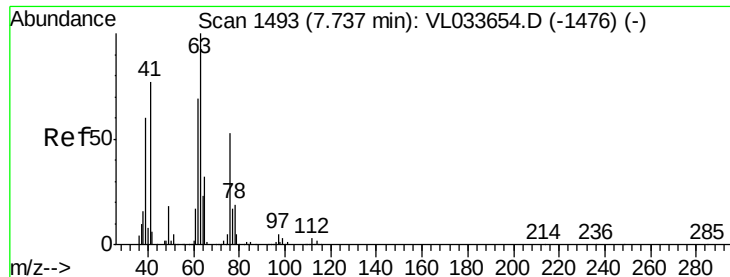
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033678.D
Acq: 7 May 2019 12:22

Tgt Ion: 114 Resp: 2112168
Ion Ratio Lower Upper
114 100
63 26.7 21.3 31.9
88 18.2 14.4 21.6



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: 7.911 ppbv

RT: 7.28 min Scan# 1351

Delta R.T. -0.46 min

Lab File: VL033678.D

Acq: 7 May 2019 12:22

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABL01

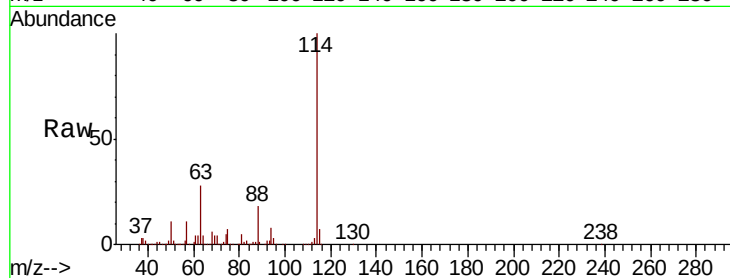
Tgt Ion: 63 Resp: 558421

Ion Ratio Lower Upper

63 100

41 0.2 61.6 92.4#

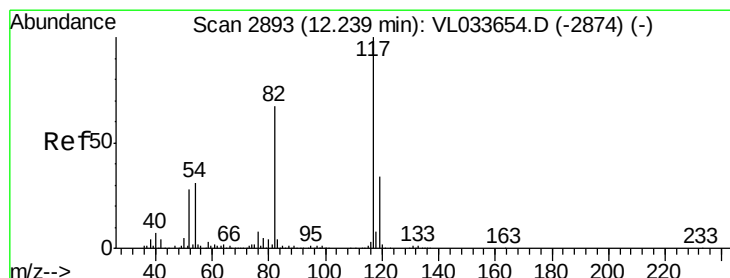
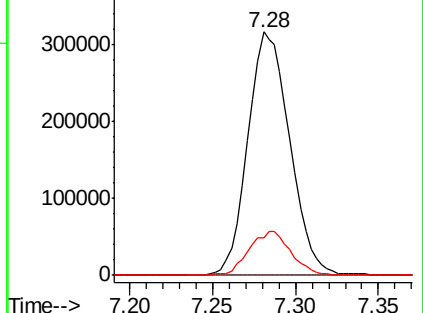
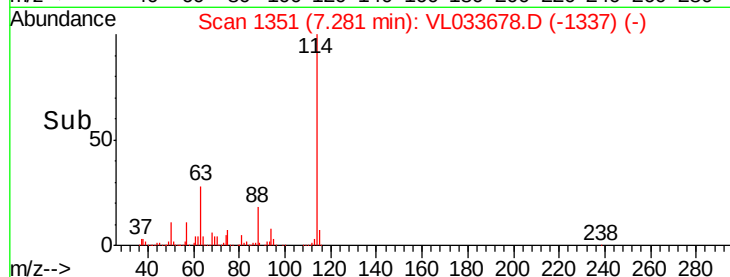
62 15.6 55.0 82.6#



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: 12.23 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL033678.D

Acq: 7 May 2019 12:22

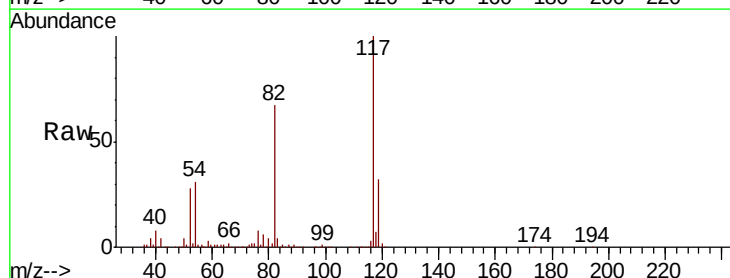
Tgt Ion: 117 Resp: 2073123

Ion Ratio Lower Upper

117 100

82 67.6 49.7 74.5

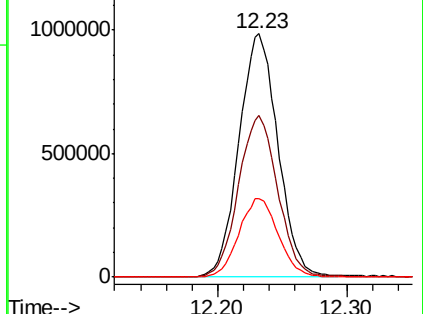
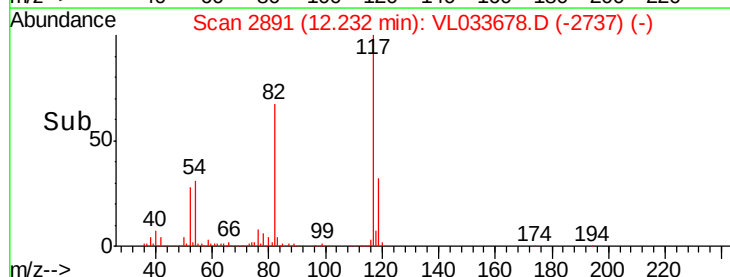
119 32.8 24.8 37.2

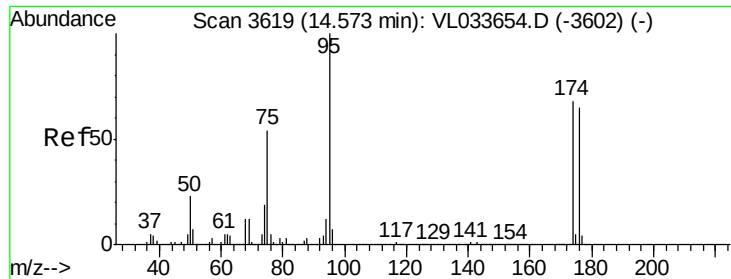


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.600 ppbv

RT: 14.57 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL033678.D

Acq: 7 May 2019 12:22

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABL01

Tgt Ion: 95 Resp: 1801375

Ion Ratio Lower Upper

95 100

174 66.5 54.0 81.0

175 4.9 3.8 5.8

