

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032317.D
 Acq On : 27 Jul 2018 12:51
 Operator : SY/AP
 Sample : VL0727ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 23:17:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Jul 27 07:05:37 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	2046379	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3919138	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	4907614	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3870375	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

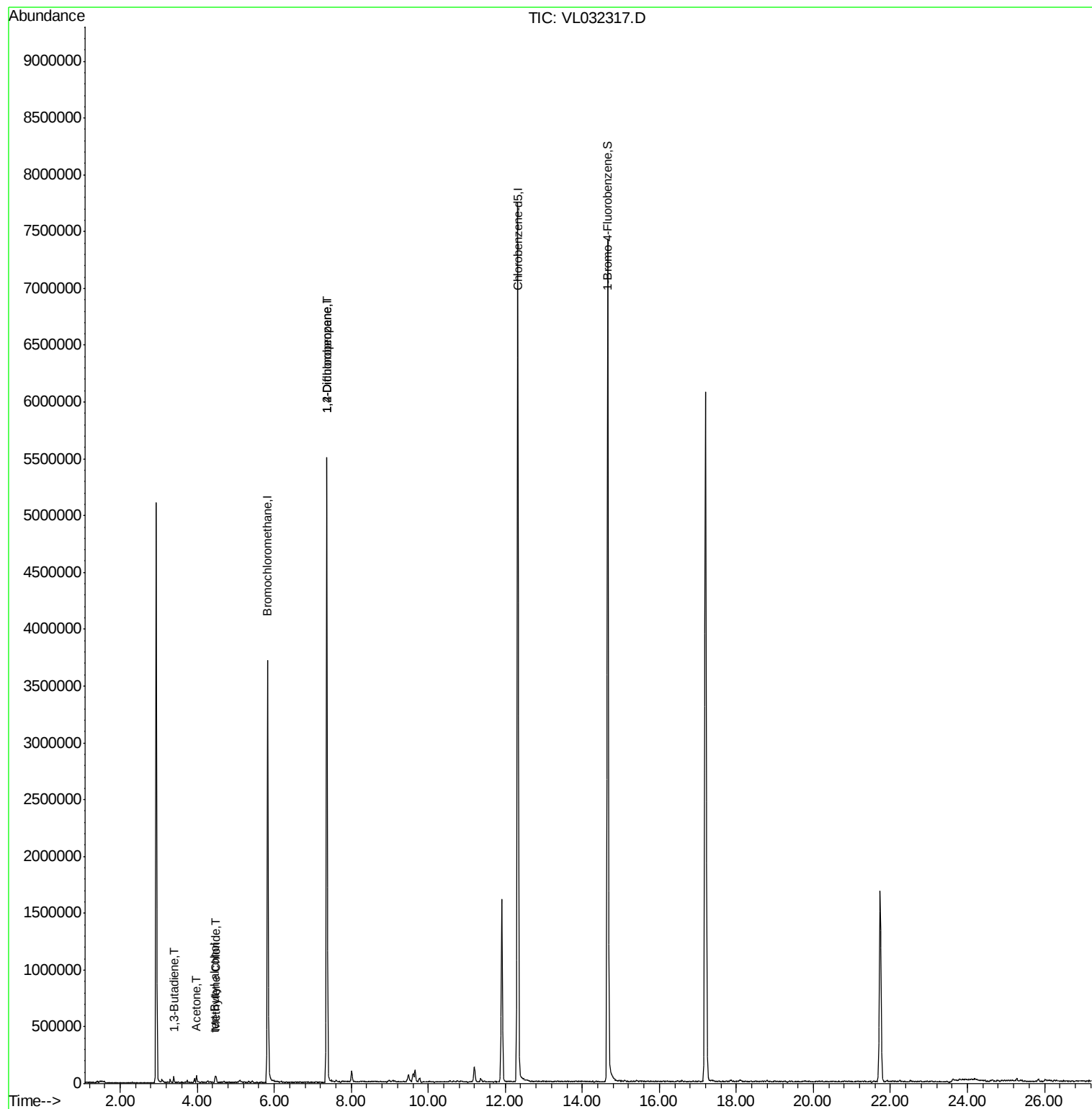
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.98	43	59595	0.309	ppbv	91
16) 1,3-Butadiene	3.39	39	7312	0.073	ppbv #	15
17) tert-Butyl alcohol	4.45	59	3367	0.055	ppbv #	78
20) Methylene Chloride	4.47	84	12025	0.155	ppbv #	70
39) 1,2-Dichloropropane	7.37	63	1110054	6.387	ppbv #	27

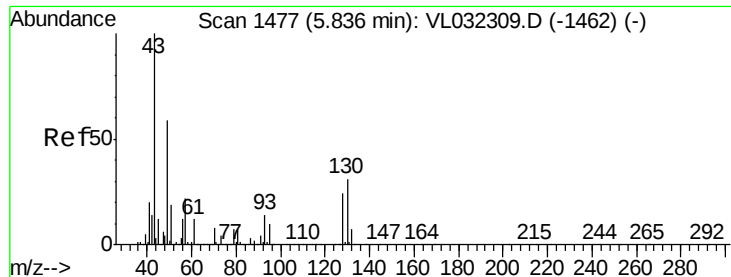
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 27 07:05:37 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.83 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VL032317.D

Acq: 27 Jul 2018 12:51

Instrument :
MSVOA_L
ClientSampleId :

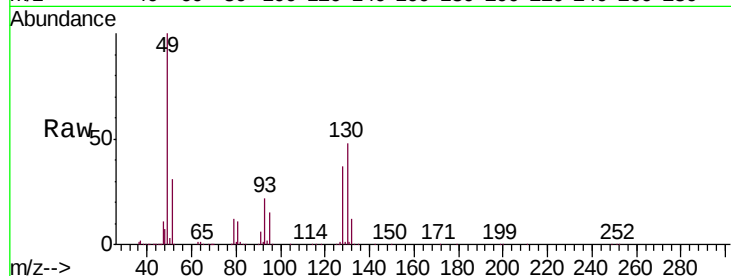
Tot Ion: 49 Resp: 2046379

Ion	Ratio	Lower	Upper
49	100		
128	40.3	20.2	60.6
130	50.7	25.8	77.3

49 100

128 40.3 20.2 60.6

130 50.7 25.8 77.3

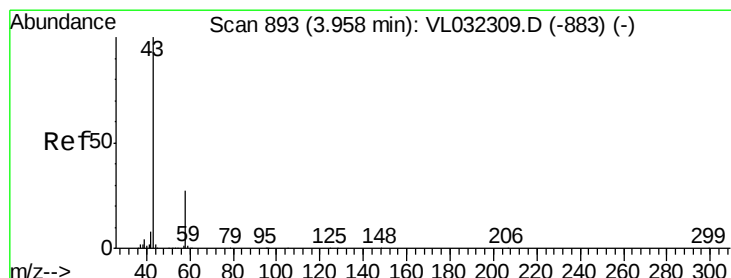
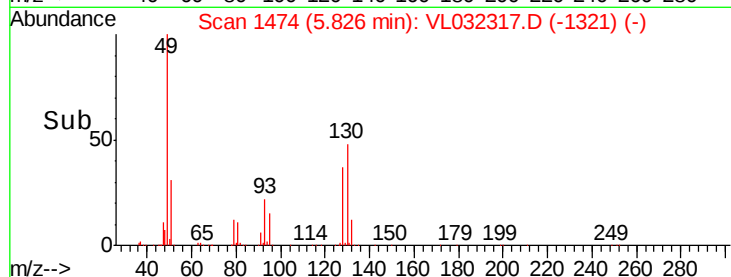
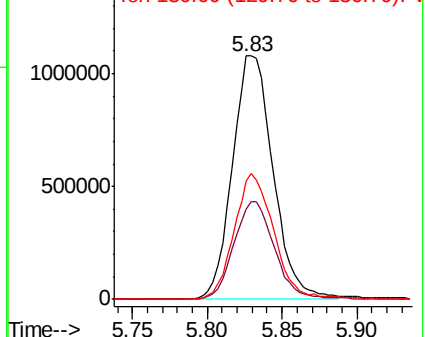


Abundance

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



#15

Acetone

Concen: 0.309 ppbv

RT: 3.98 min Scan# 901

Delta R.T. 0.03 min

Lab File: VL032317.D

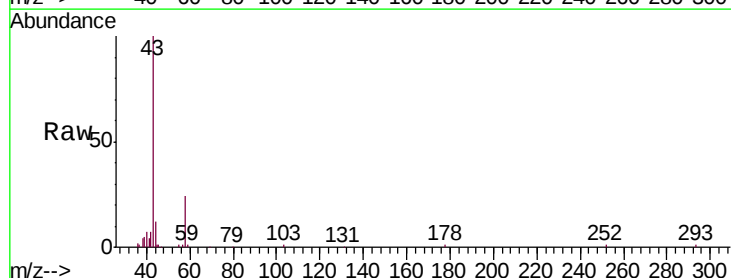
Acq: 27 Jul 2018 12:51

Tgt Ion: 43 Resp: 59595

Ion	Ratio	Lower	Upper
43	100		
58	32.8	22.5	33.7

43 100

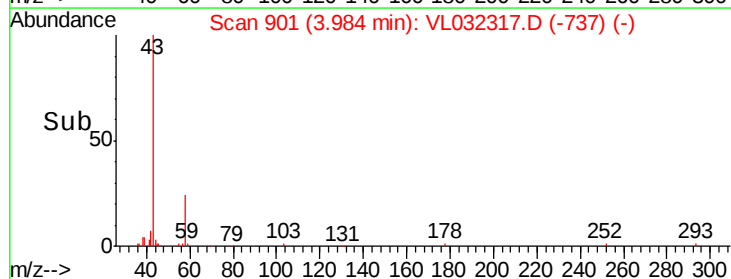
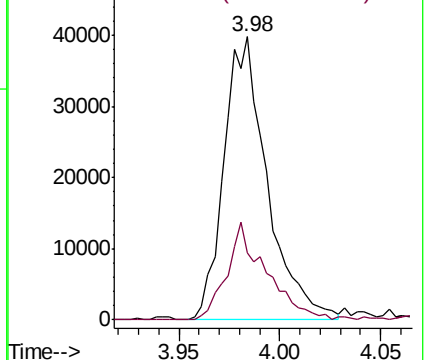
58 32.8 22.5 33.7

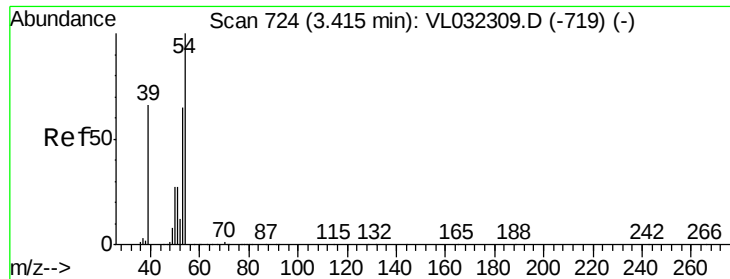


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

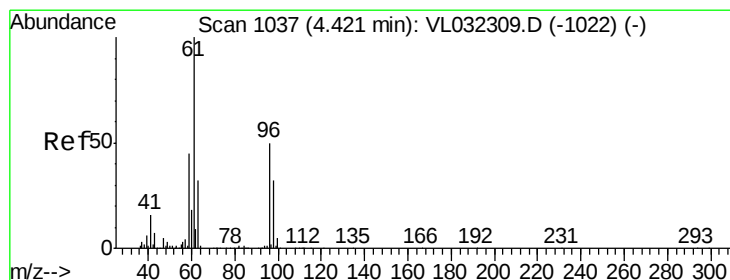
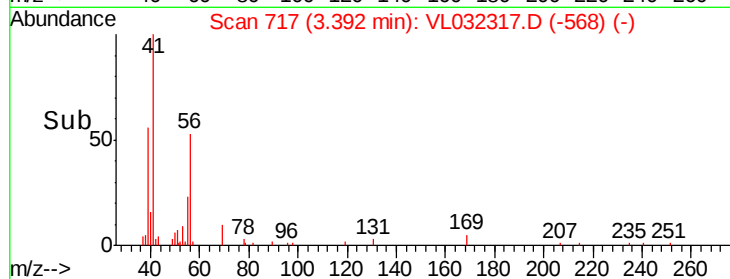
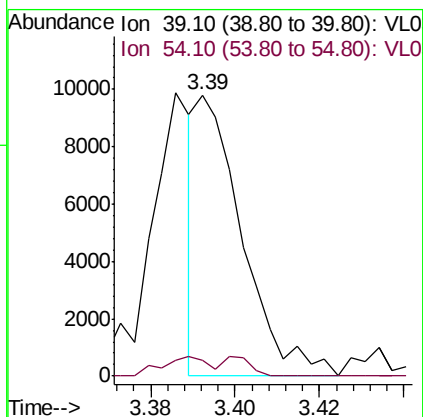
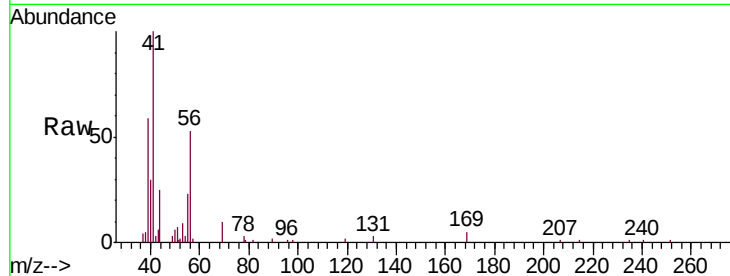




#16
 1,3-Butadiene
 Concen: 0.073 ppbv
 RT: 3.39 min Scan# 717
 Delta R.T. -0.02 min
 Lab File: VL032317.D
 Acq: 27 Jul 2018 12:51

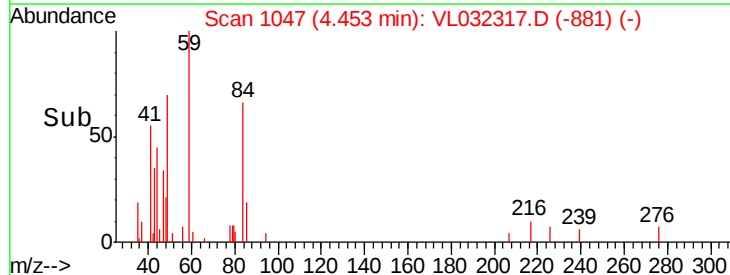
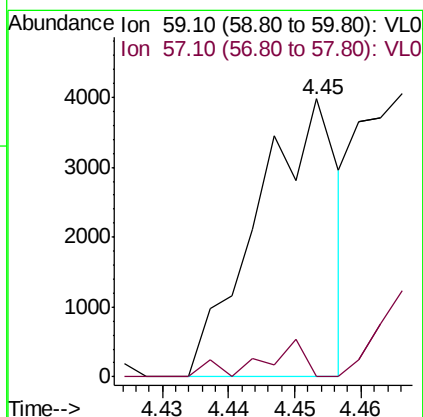
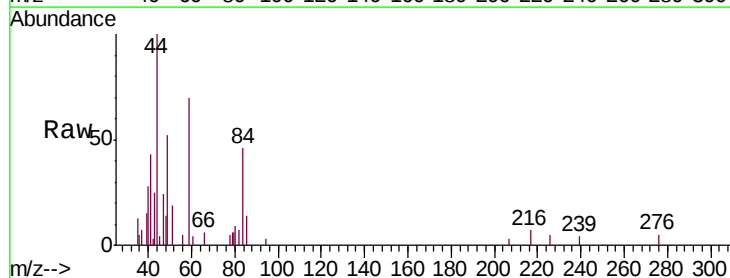
Instrument :
 MSVOA_L
 ClientSampled :

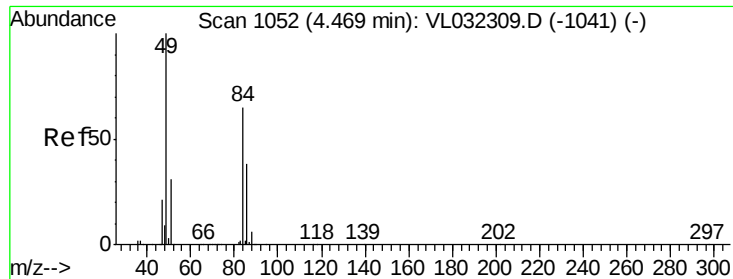
Tot Ion: 39 Resp: 7312
 Ion Ratio Lower Upper
 39 100
 54 11.2 74.3 111.5#



#17
 tert-Butyl alcohol
 Concen: 0.055 ppbv
 RT: 4.45 min Scan# 1047
 Delta R.T. 0.03 min
 Lab File: VL032317.D
 Acq: 27 Jul 2018 12:51

Tgt Ion: 59 Resp: 3367
 Ion Ratio Lower Upper
 59 100
 57 1.9 8.0 12.0#

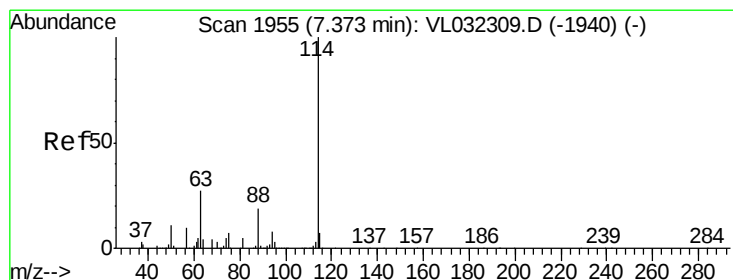
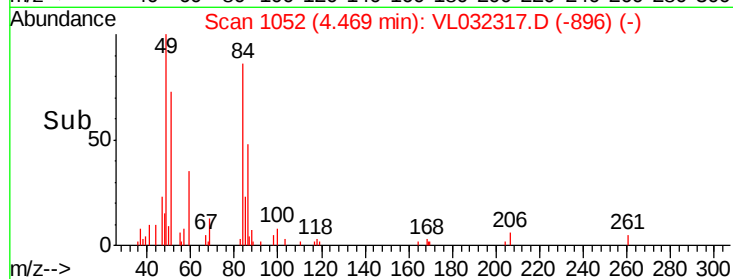
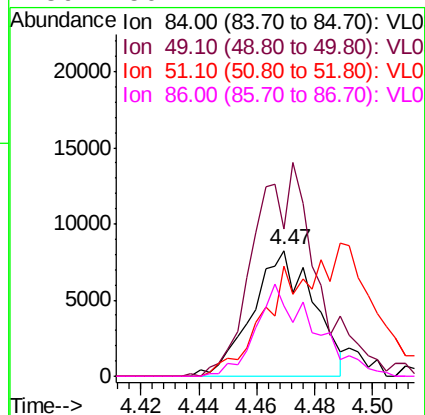
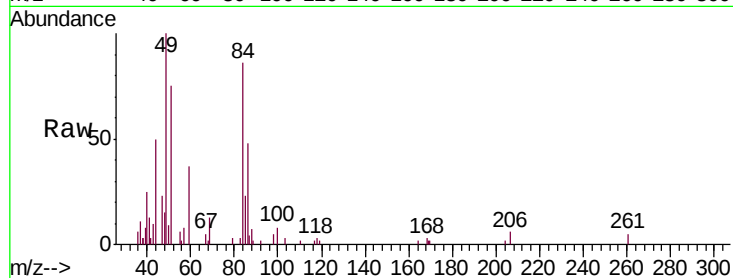




#20
Methvlene Chloride
Concen: 0.155 ppbv
RT: 4.47 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VL032317.D
Acq: 27 Jul 2018 12:51

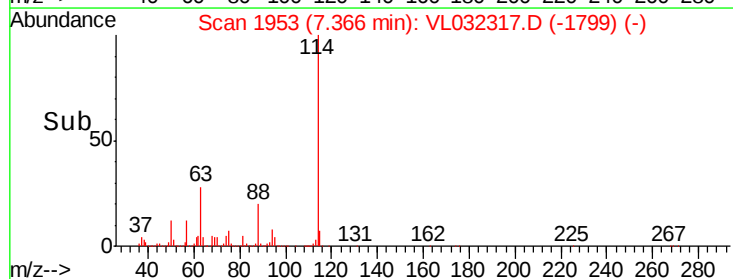
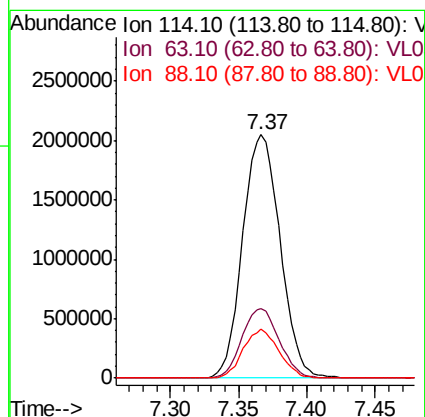
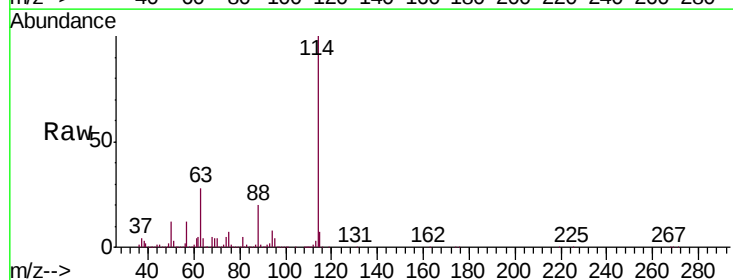
Instrument :
MSVOA_L
ClientSampleId :

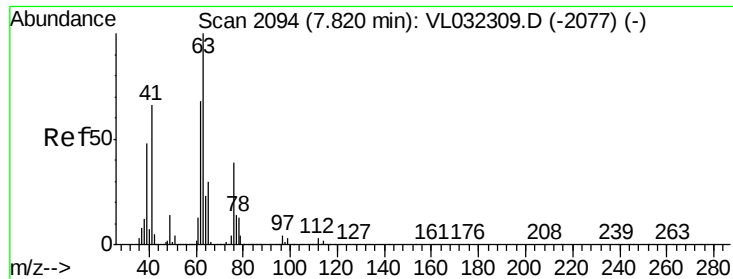
Tot Ion: 84 Resp: 12025
Ion Ratio Lower Upper
84 100
49 114.9 123.4 185.0#
51 87.9 38.2 57.2#
86 56.4 47.4 71.2



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.37 min Scan# 1953
Delta R.T. -0.01 min
Lab File: VL032317.D
Acq: 27 Jul 2018 12:51

Tgt Ion: 114 Resp: 3919138
Ion Ratio Lower Upper
114 100
63 28.5 22.4 33.6
88 19.2 15.3 22.9

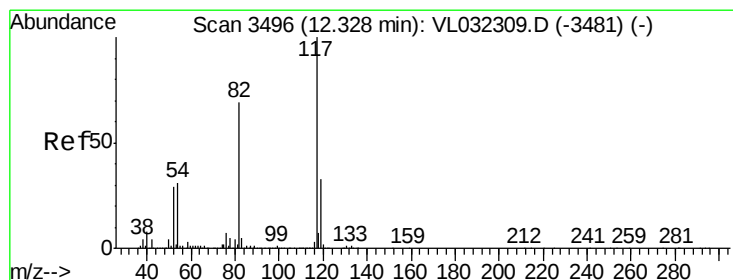
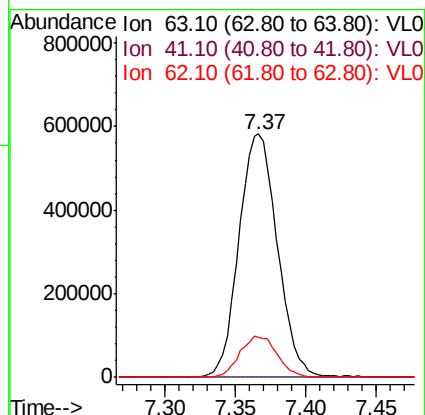
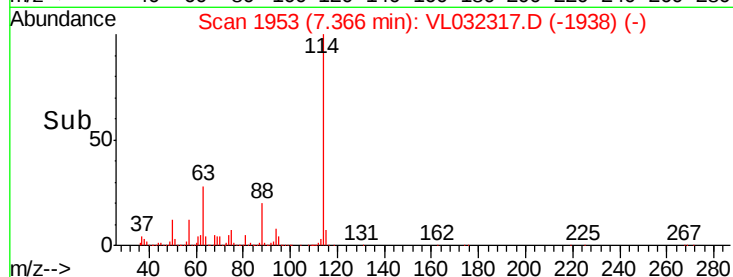
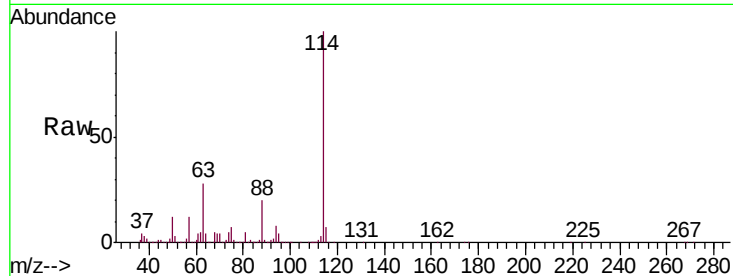




#39
 1,2-Dichloropropane
 Concen: 6.387 ppbv
 RT: 7.37 min Scan# 1953
 Delta R.T. -0.45 min
 Lab File: VL032317.D
 Acq: 27 Jul 2018 12:51

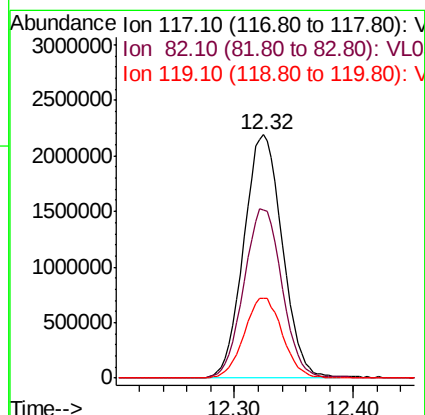
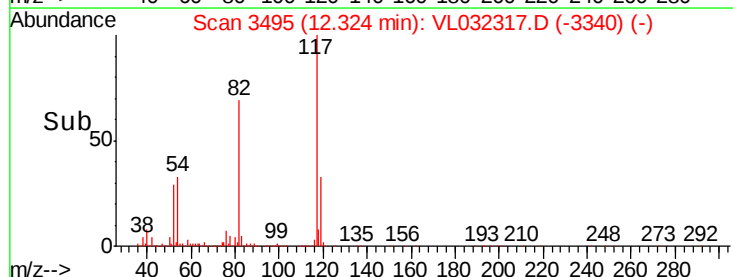
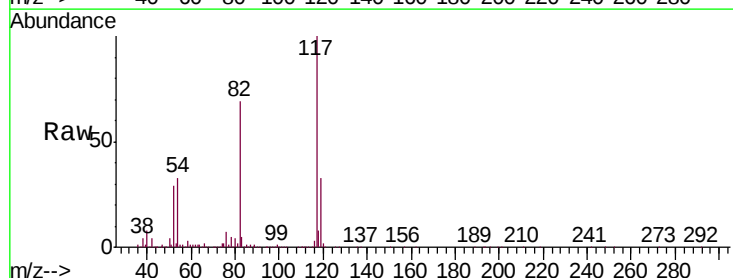
Instrument :
 MSVOA_L
 ClientSampleId :

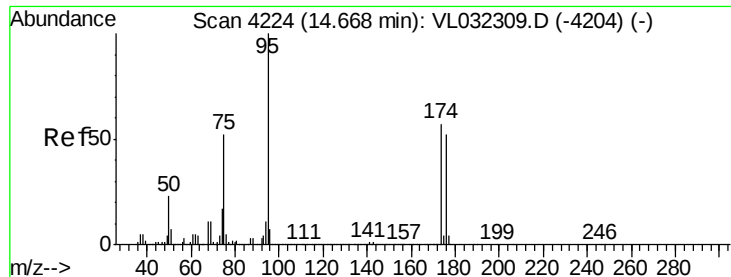
Tot Ion: 63 Resp: 1110054
 Ion Ratio Lower Upper
 63 100
 41 0.2 52.5 78.7#
 62 16.5 54.6 81.8#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.32 min Scan# 3495
 Delta R.T. -0.00 min
 Lab File: VL032317.D
 Acq: 27 Jul 2018 12:51

Tgt Ion: 117 Resp: 4907614
 Ion Ratio Lower Upper
 117 100
 82 69.7 52.6 78.8
 119 32.7 25.7 38.5





#68

1-Bromo-4-Fluorobenzene

Concen: 10.160 ppbv

RT: 14.66 min Scan# 4222

Delta R.T. -0.01 min

Lab File: VL032317.D

Acq: 27 Jul 2018 12:51

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 3870375

Ion Ratio Lower Upper

95 100

174 56.9 45.5 68.3

175 4.1 3.3 4.9

