

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071918\
 Data File : VL032305.D
 Acq On : 20 Jul 2018 2:14
 Operator : SY/AP
 Sample : OC071118 CAN 10726
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 20 04:33:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 14:38:53 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1480781	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	2998914	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	3584066	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	2792418	9.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.10%

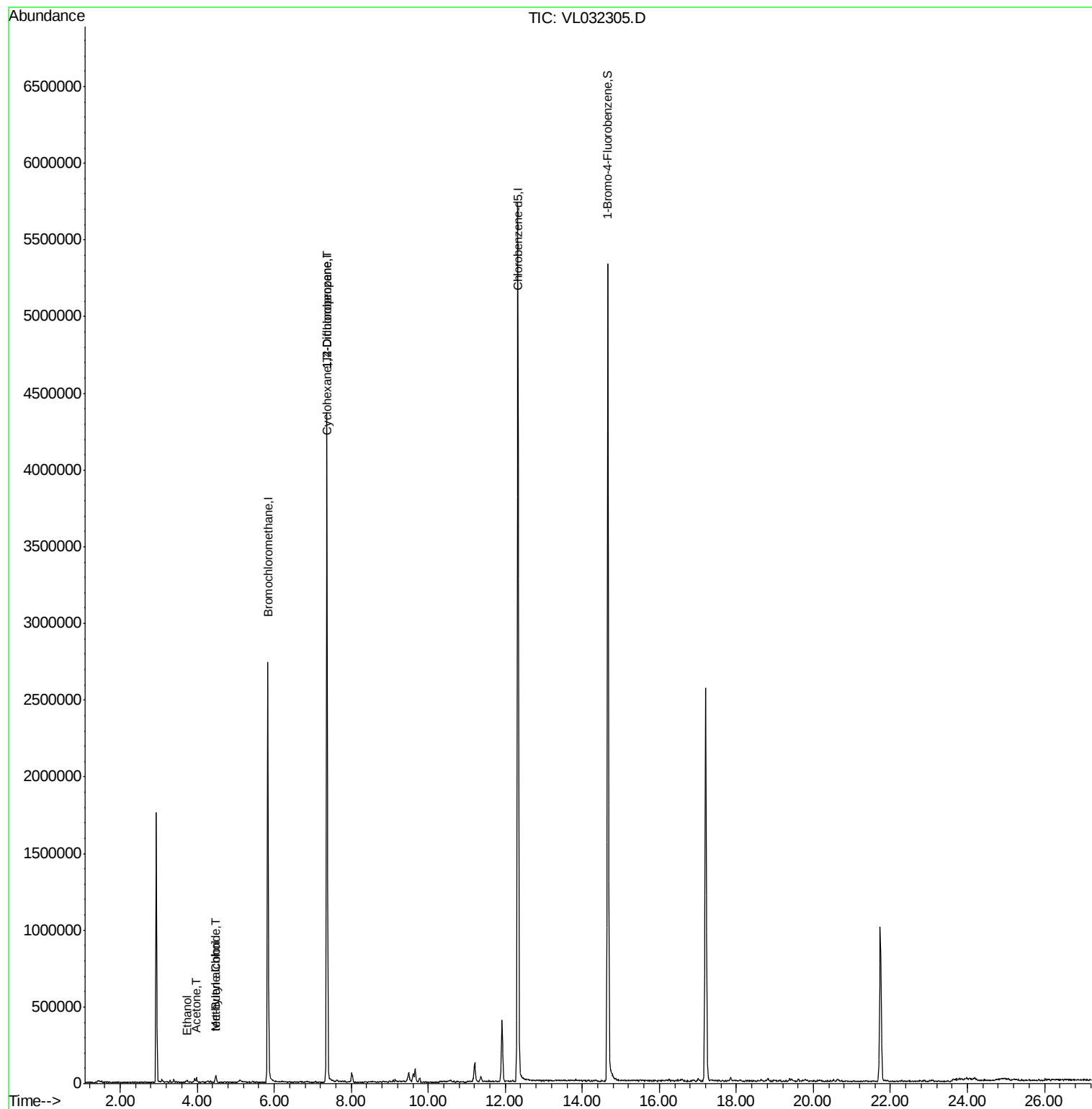
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.73	45	2744	0.132	ppbv #	39
15) Acetone	3.98	43	30790	0.199	ppbv #	86
17) tert-Butyl alcohol	4.47	59	2471	0.051	ppbv #	78
20) Methylene Chloride	4.47	84	4939	0.083	ppbv #	87
30) Cyclohexane	7.35	84	4626	0.036	ppbv #	1
39) 1,2-Dichloropropane	7.37	63	855701	7.322	ppbv #	25

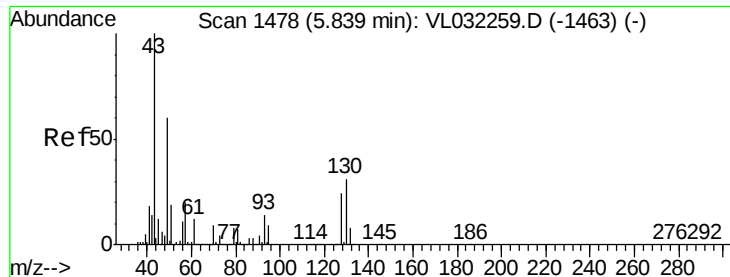
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.83 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VL032305.D

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Instrument :
MSVOA_L
ClientSampleId :

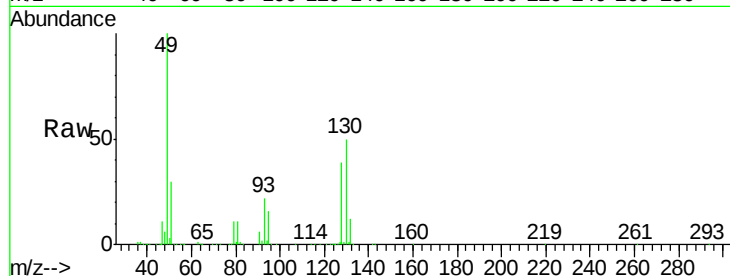
Tot Ion: 49 Resp: 1480781

Ion Ratio Lower Upper

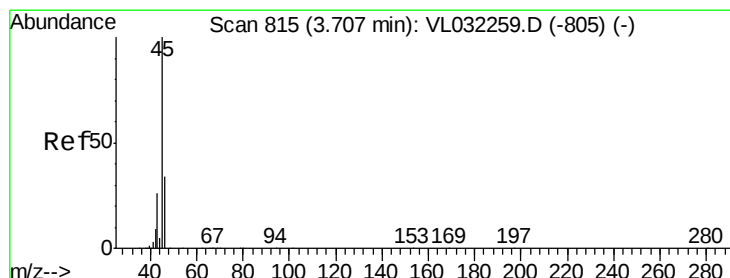
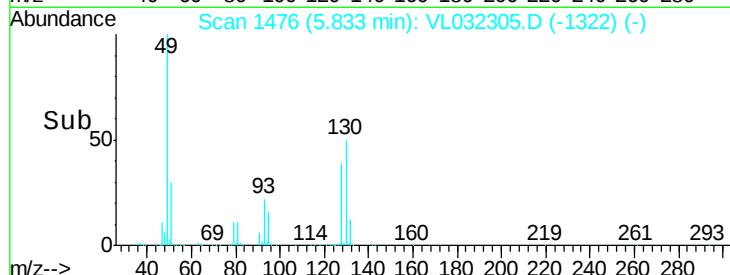
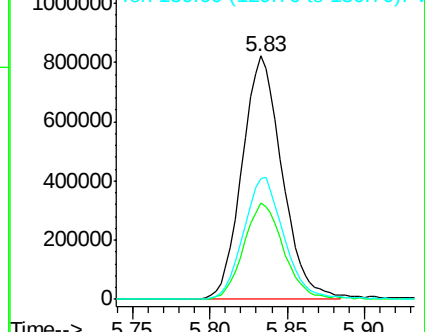
49 100

128 39.9 20.1 60.2

130 51.1 25.9 77.6



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: 0.132 ppbv

RT: 3.73 min Scan# 822

Delta R.T. 0.02 min

Lab File: VL032305.D

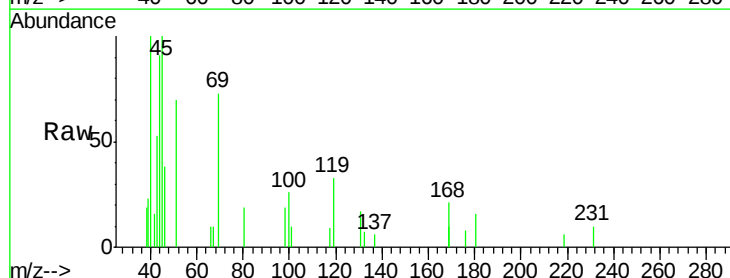
Acq: 20 Jul 2018 2:14

Tgt Ion: 45 Resp: 2744

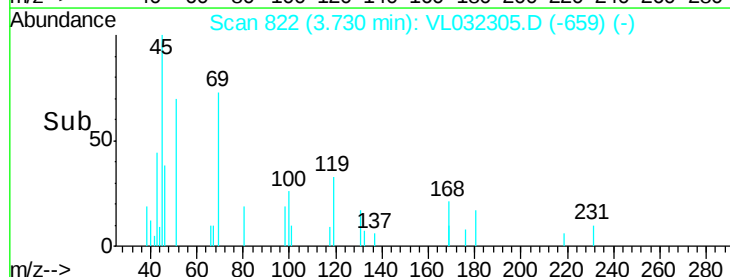
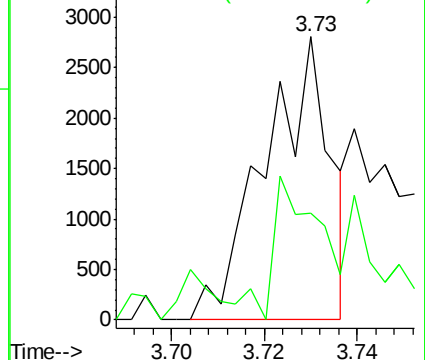
Ion Ratio Lower Upper

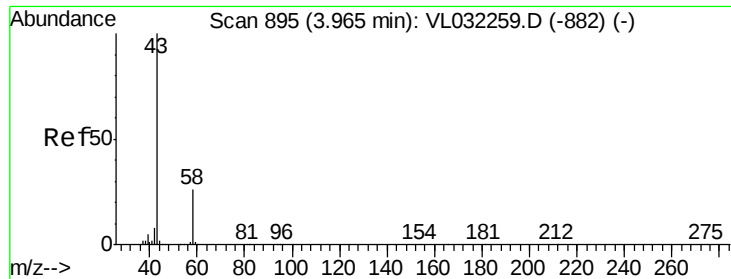
45 100

46 74.9 15.2 60.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.199 ppbv

RT: 3.98 min Scan# 900

Delta R.T. 0.02 min

Lab File: VL032305.D

Acq: 20 Jul 2018 2:14

Instrument :

MSVOA_L

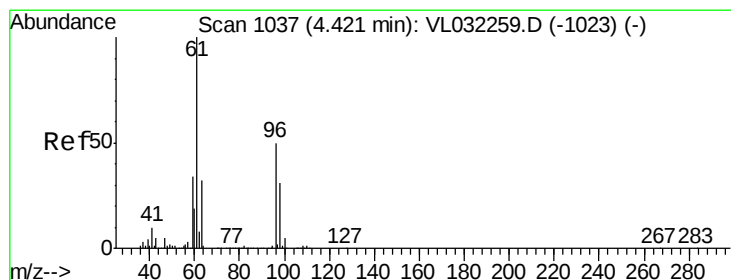
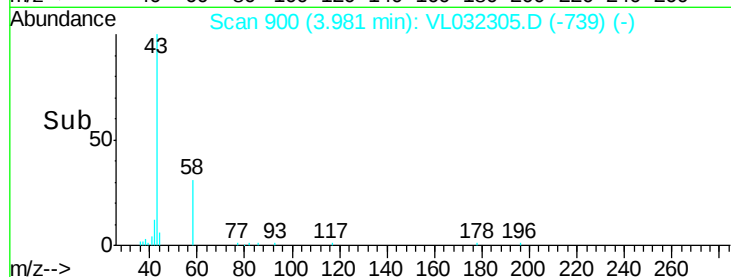
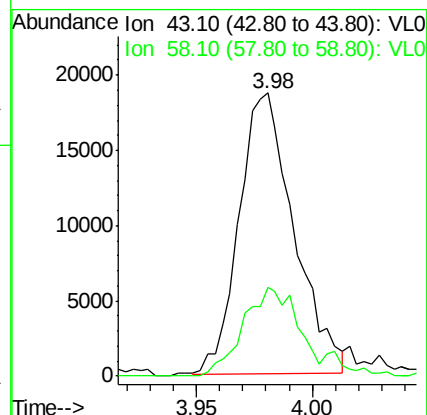
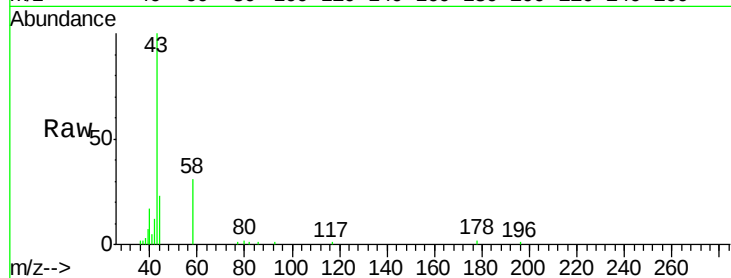
ClientSampleId :

Tot Ion: 43 Resp: 30790

Ion Ratio Lower Upper

43 100

58 34.6 21.8 32.6#



#17

tert-Butyl alcohol

Concen: 0.051 ppbv

RT: 4.47 min Scan# 1053

Delta R.T. 0.05 min

Lab File: VL032305.D

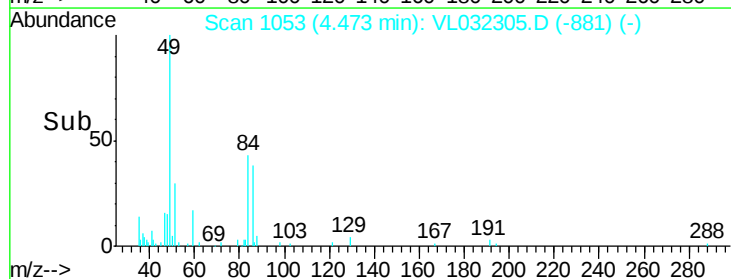
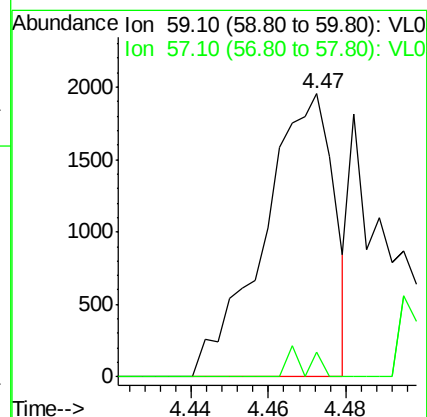
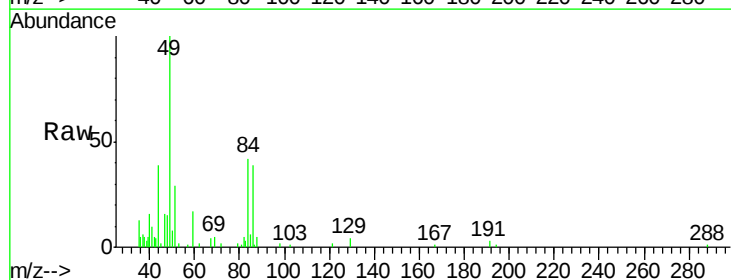
Acq: 20 Jul 2018 2:14

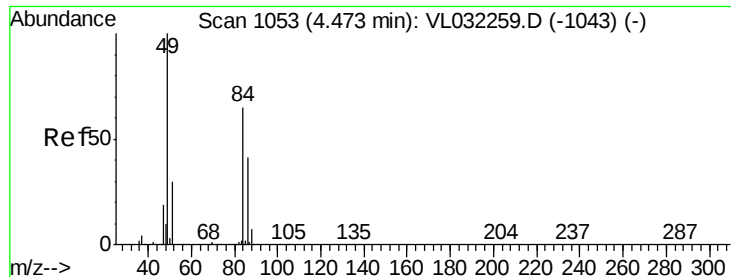
Tgt Ion: 59 Resp: 2471

Ion Ratio Lower Upper

59 100

57 2.0 8.2 12.4#

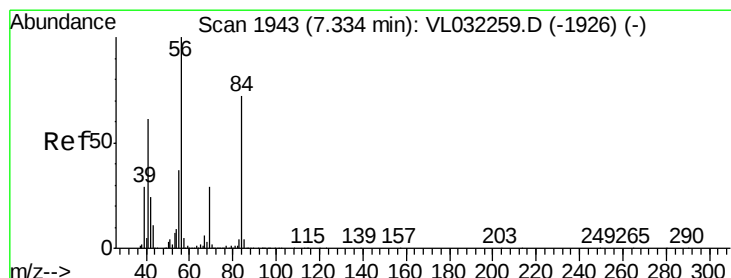
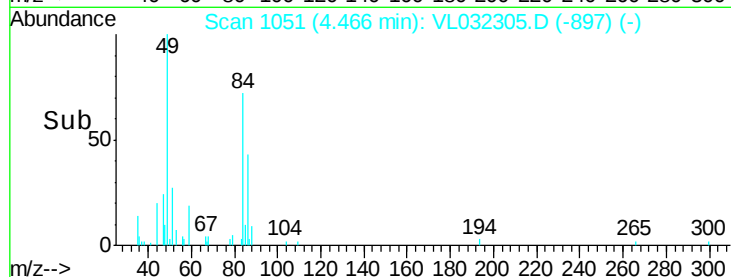
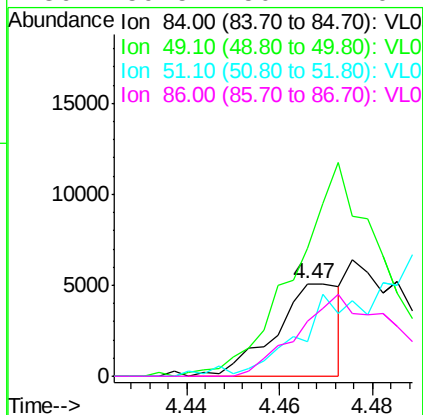
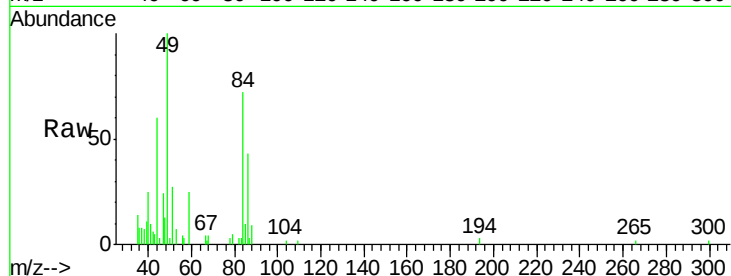




#20
Methylene Chloride
Concen: 0.083 ppbv
RT: 4.47 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VL032305.D
Acq: 20 Jul 2018 2:14

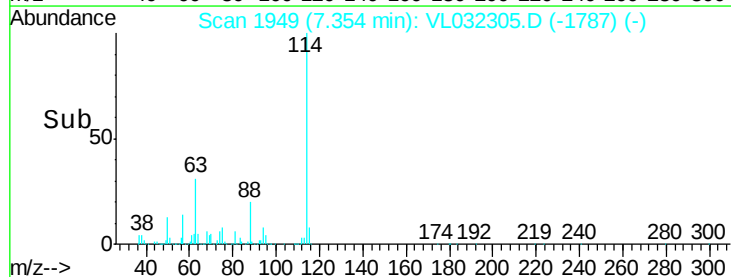
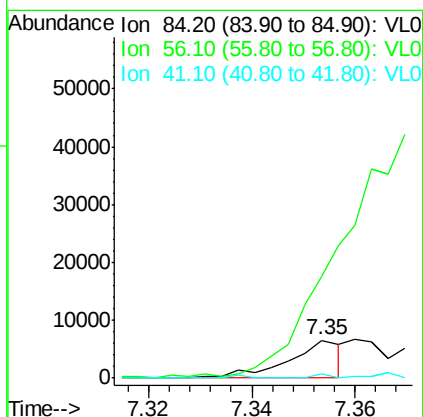
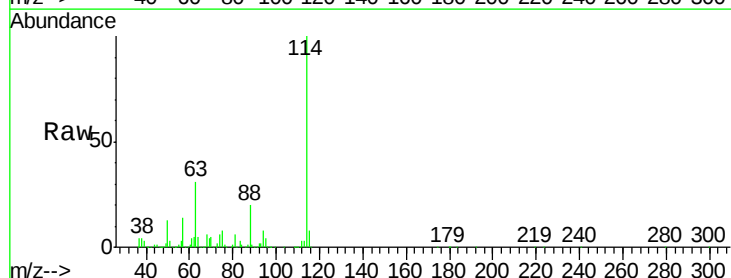
Instrument :
MSVOA_L
ClientSampleId :

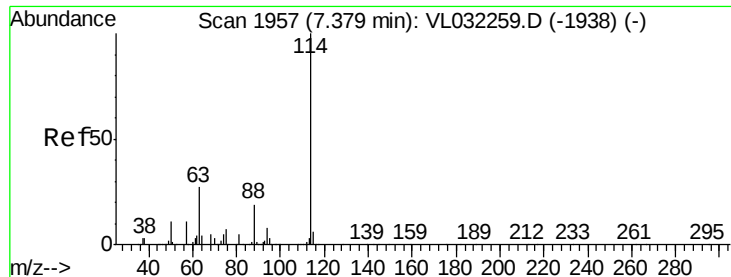
Tot Ion: 84 Resp: 4939
Ion Ratio Lower Upper
84 100
49 134.8 122.4 183.6
51 31.6 36.8 55.2#
86 59.5 50.7 76.1



#30
Cyclohexane
Concen: 0.036 ppbv
RT: 7.35 min Scan# 1949
Delta R.T. 0.02 min
Lab File: VL032305.D
Acq: 20 Jul 2018 2:14

Tgt Ion: 84 Resp: 4626
Ion Ratio Lower Upper
84 100
56 0.0 115.6 173.4#
41 2.4 68.7 103.1#



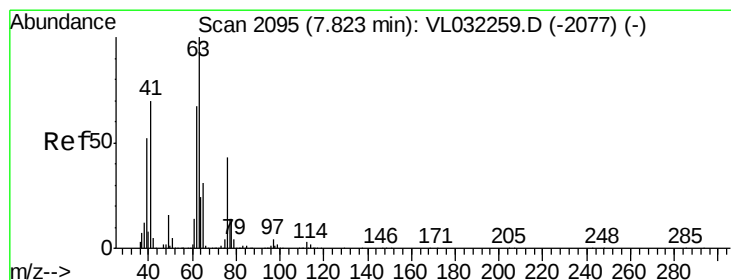
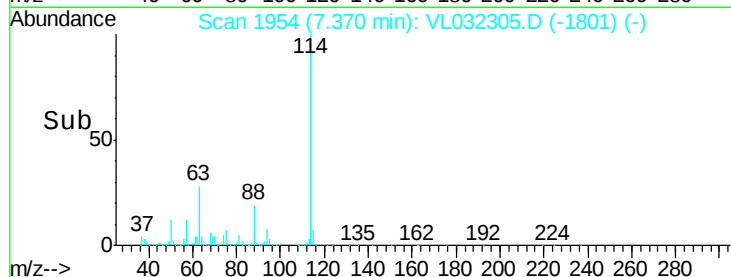
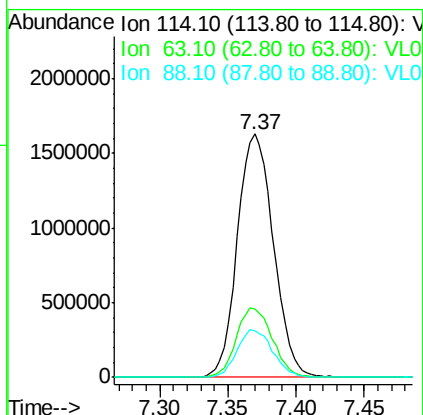
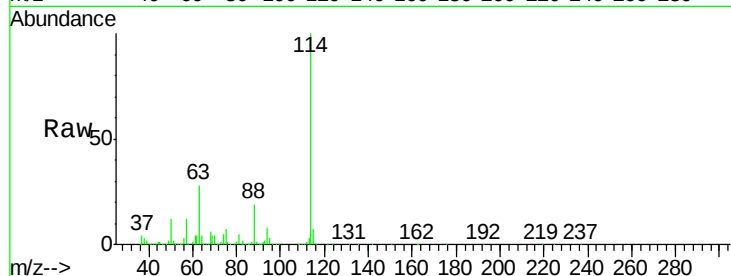


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.37 min Scan# 1954
 Delta R.T. -0.01 min
 Lab File: VL032305.D
 Acq: 20 Jul 2018 2:14

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2998914

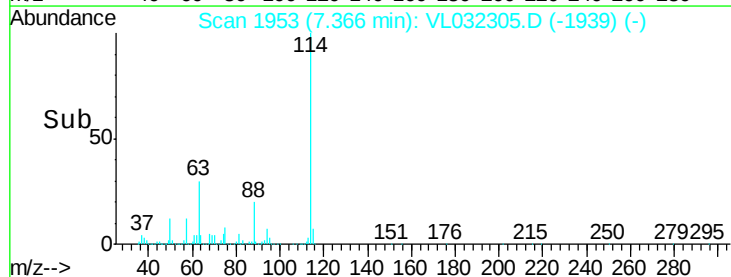
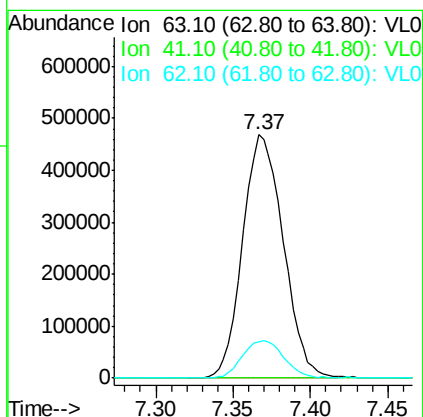
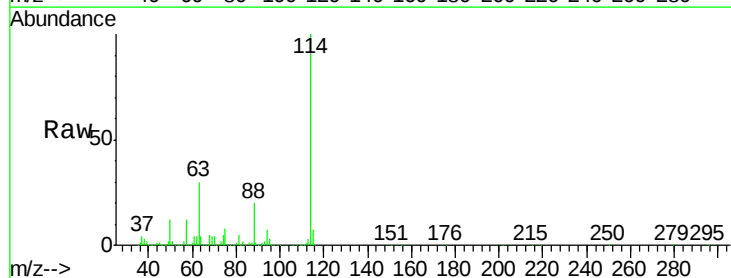
Ion	Ratio	Lower	Upper
114	100		
63	28.7	22.6	33.8
88	19.4	15.2	22.8

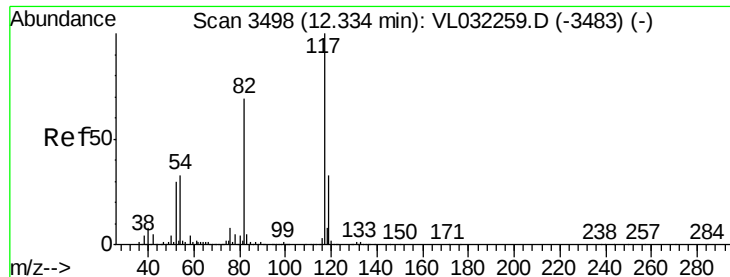


#39
 1,2-Dichloropropane
 Concen: 7.322 ppbv
 RT: 7.37 min Scan# 1953
 Delta R.T. -0.46 min
 Lab File: VL032305.D
 Acq: 20 Jul 2018 2:14

Tgt Ion: 63 Resp: 855701

Ion	Ratio	Lower	Upper
63	100		
41	0.2	55.8	83.6#
62	14.8	53.8	80.8#

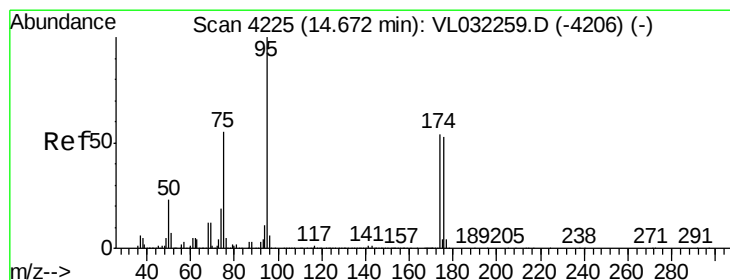
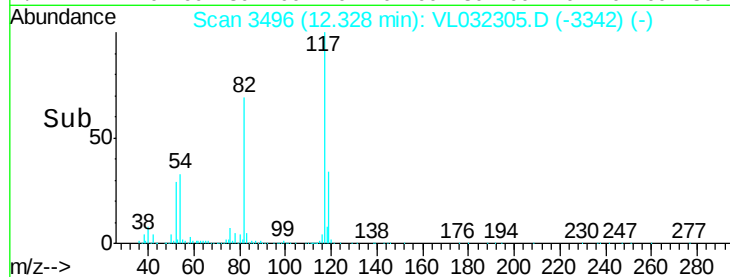
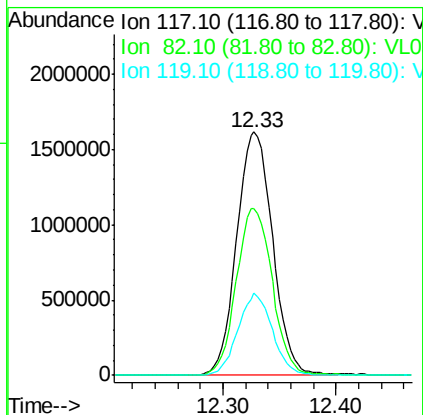
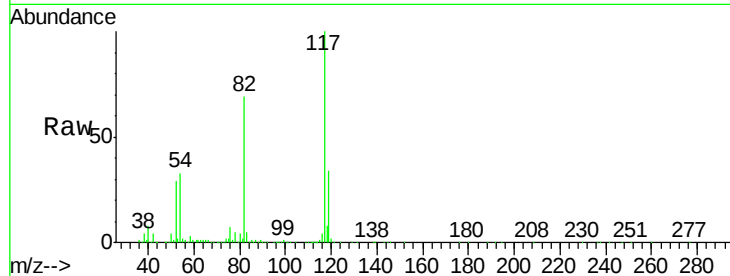




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3496
Delta R.T. -0.01 min
Lab File: VL032305.D
Acq: 20 Jul 2018 2:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3584066
Ion Ratio Lower Upper
117 100
82 69.1 53.9 80.9
119 32.2 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.610 ppbv
RT: 14.67 min Scan# 4223
Delta R.T. -0.01 min
Lab File: VL032305.D
Acq: 20 Jul 2018 2:14

Tgt Ion: 95 Resp: 2792418
Ion Ratio Lower Upper
95 100
174 56.4 44.3 66.5
175 4.0 3.3 4.9

