

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071918\
 Data File : VL032300.D
 Acq On : 19 Jul 2018 22:55
 Operator : SY/AP
 Sample : J4063-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 20 02:11:28 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	1496100	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3044994	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	3534990	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.67	95	2774090	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

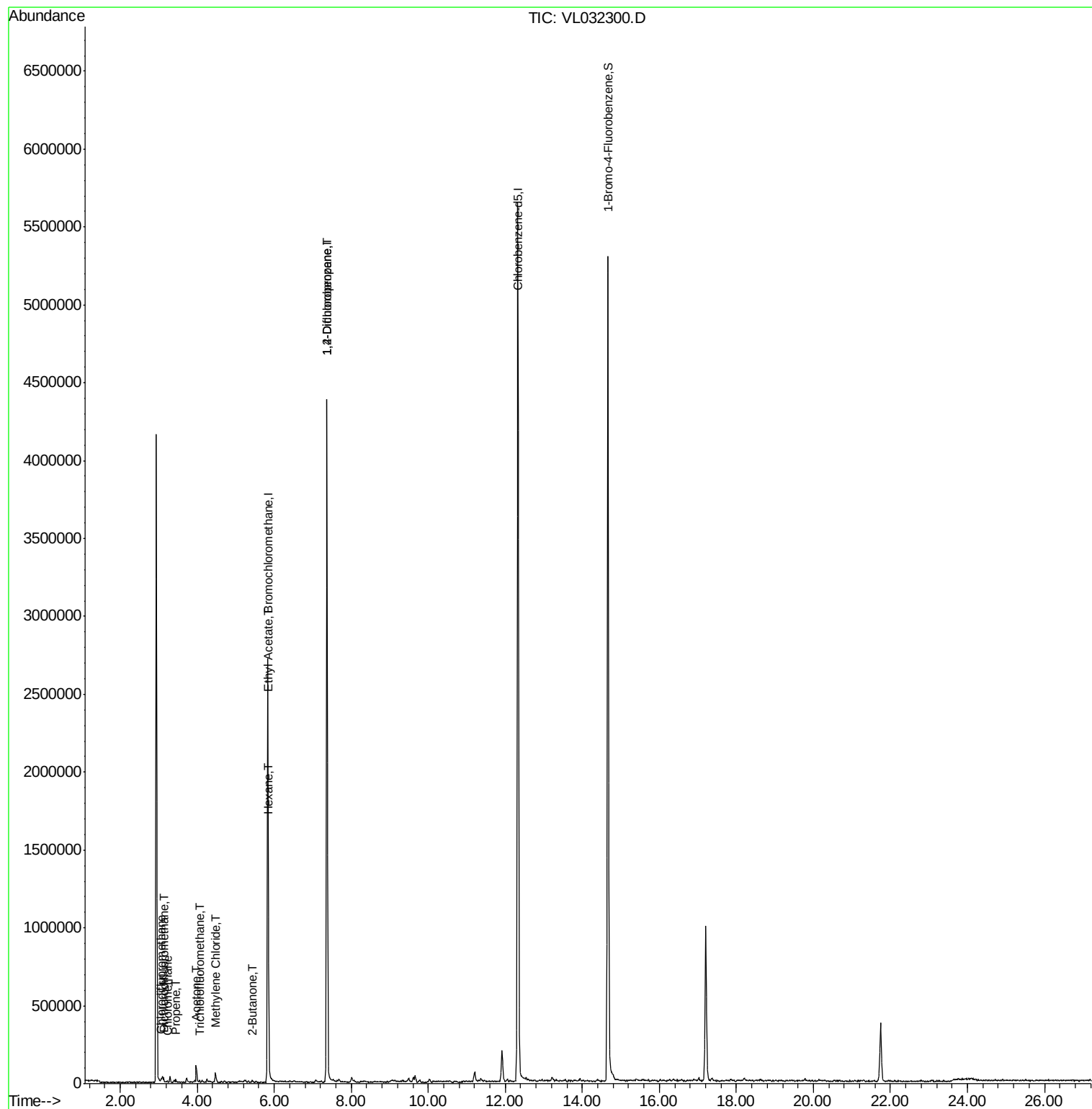
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	15813	0.062	ppbv	95
3) Chlorodifluoromethane	3.06	51	18461	0.110	ppbv	100
4) Chloromethane	3.23	50	6690	0.068	ppbv	94
9) Propene	3.45	41	2444	0.033	ppbv	87
11) Trichlorofluoromethane	4.06	101	4939	0.025	ppbv #	69
15) Acetone	3.97	43	110985	0.709	ppbv	97
20) Methylene Chloride	4.48	84	8850	0.147	ppbv	94
25) Ethyl Acetate	5.85	43	24998	0.073	ppbv #	89
26) Hexane	5.86	57	12493	0.080	ppbv #	38
34) 2-Butanone	5.43	43	12813	0.061	ppbv	97
39) 1,2-Dichloropropane	7.37	63	860002	7.247	ppbv #	24

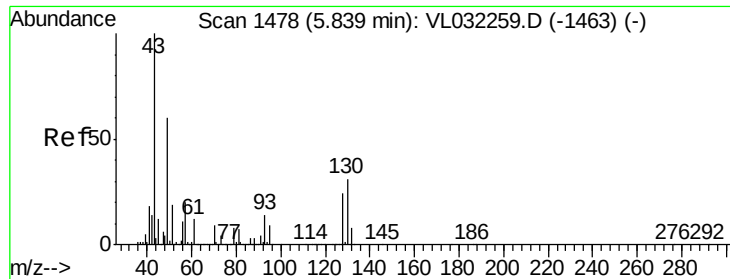
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.83 min Scan# 1476

Delta R.T. -0.01 min

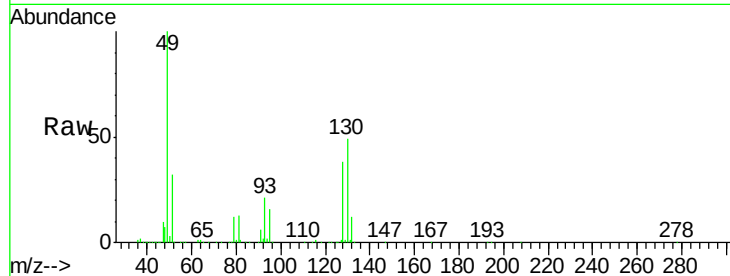
Lab File: VL032300.D

Acq: 19 Jul 2018 22:55

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1496100

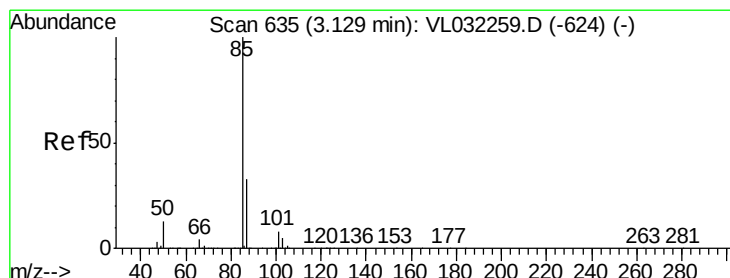
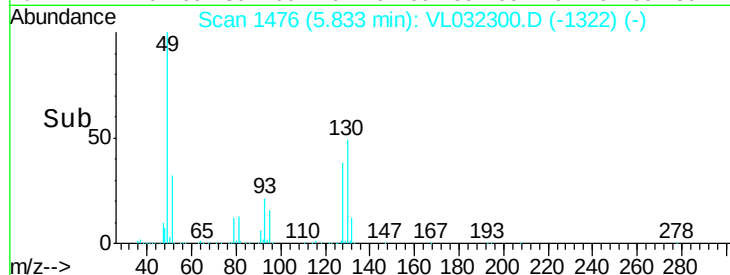
Ion	Ratio	Lower	Upper
49	100		
128	39.1	20.1	60.2
130	50.1	25.9	77.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.062 ppbv

RT: 3.13 min Scan# 635

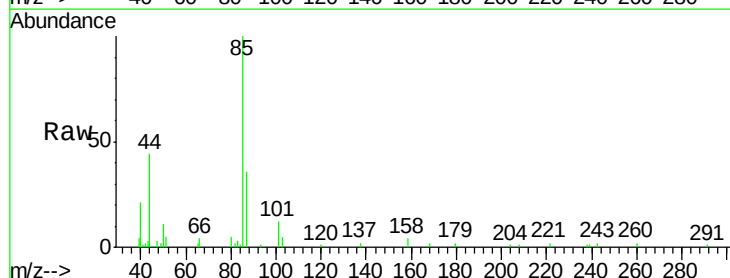
Delta R.T. 0.00 min

Lab File: VL032300.D

Acq: 19 Jul 2018 22:55

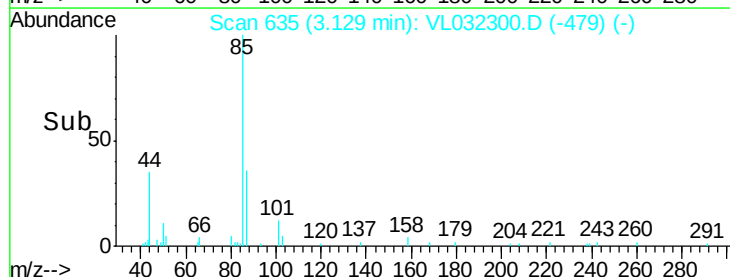
Tgt Ion: 85 Resp: 15813

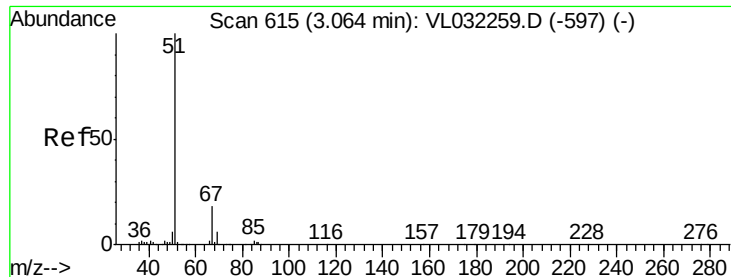
Ion	Ratio	Lower	Upper
85	100		
87	35.6	26.2	39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.110 ppbv

RT: 3.06 min Scan# 614

Delta R.T. -0.00 min

Lab File: VL032300.D

Acq: 19 Jul 2018 22:55

Instrument :

MSVOA_L

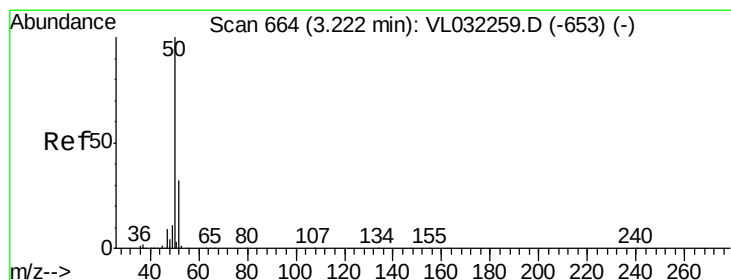
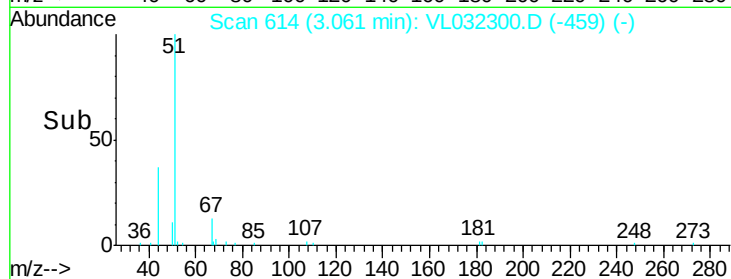
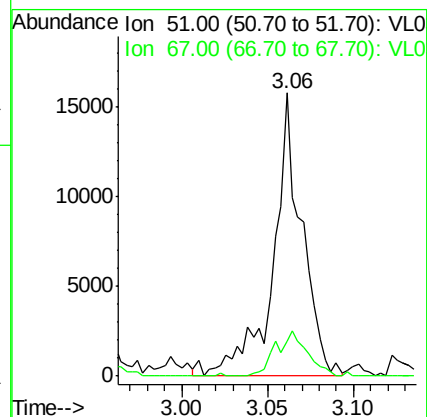
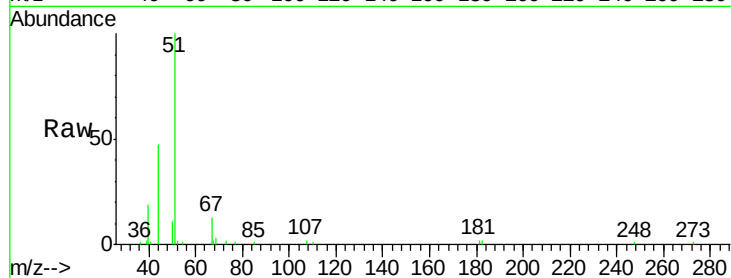
ClientSampleId :

Tot Ion: 51 Resp: 18461

Ion Ratio Lower Upper

51 100

67 17.7 14.2 21.4



#4

Chloromethane

Concen: 0.068 ppbv

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VL032300.D

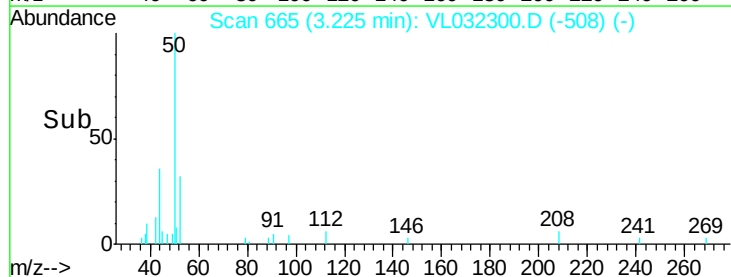
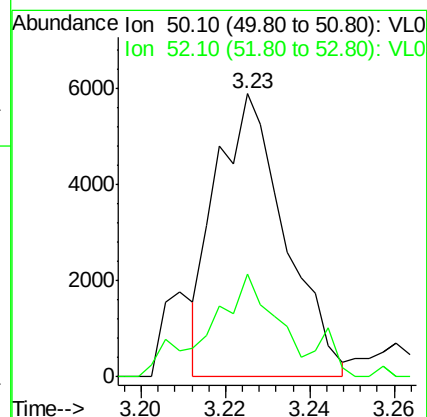
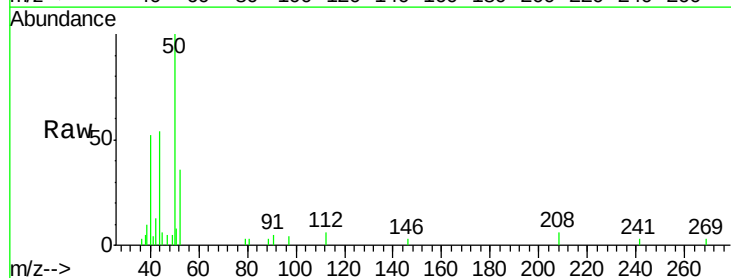
Acq: 19 Jul 2018 22:55

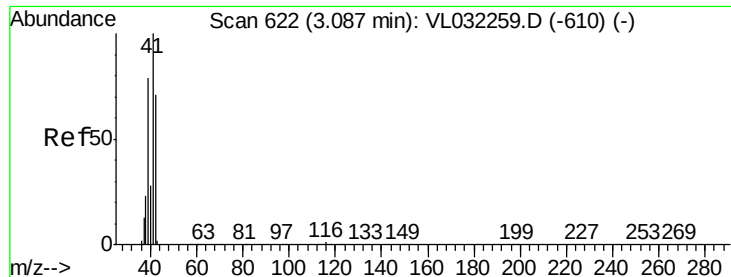
Tgt Ion: 50 Resp: 6690

Ion Ratio Lower Upper

50 100

52 35.0 25.3 37.9





#9

Propene

Concen: 0.033 ppbv

RT: 3.45 min Scan# 735

Delta R.T. 0.36 min

Lab File: VL032300.D

Acq: 19 Jul 2018 22:55

Instrument :

MSVOA_L

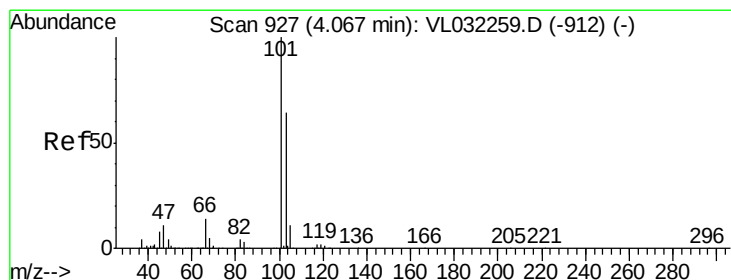
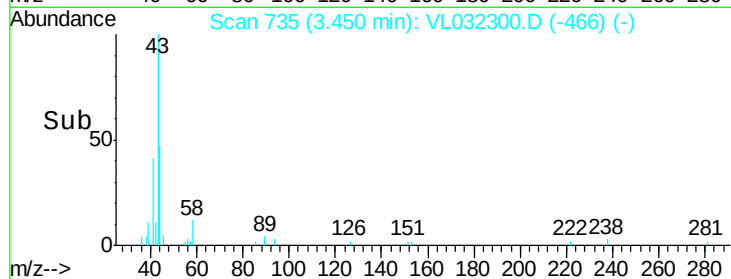
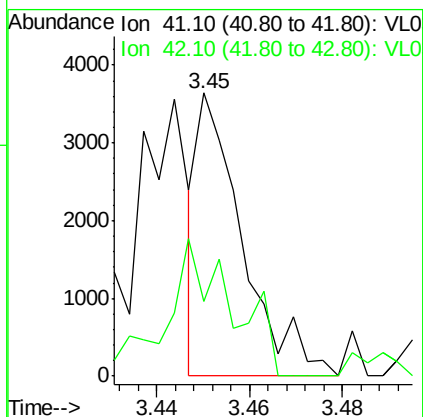
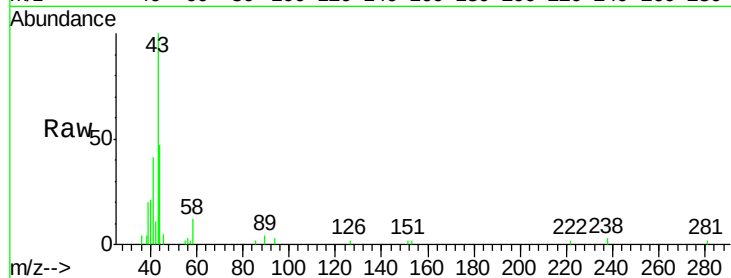
ClientSampleId :

Tot Ion: 41 Resp: 2444

Ion Ratio Lower Upper

41 100

42 80.7 56.2 84.4



#11

Trichlorofluoromethane

Concen: 0.025 ppbv

RT: 4.06 min Scan# 925

Delta R.T. -0.01 min

Lab File: VL032300.D

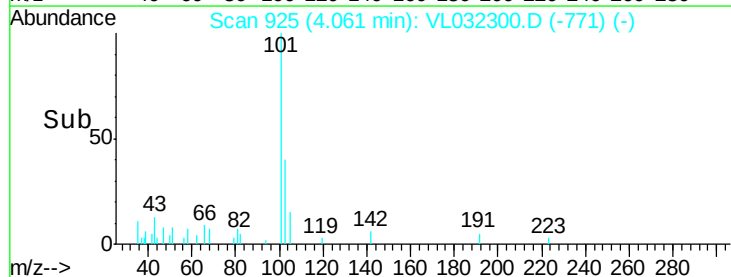
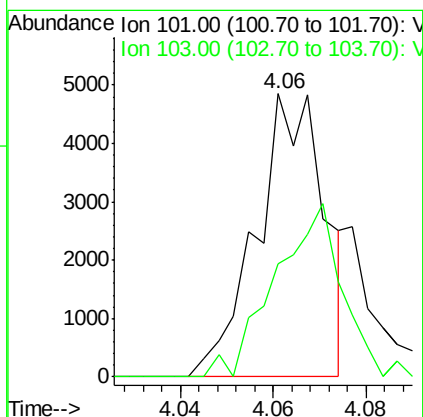
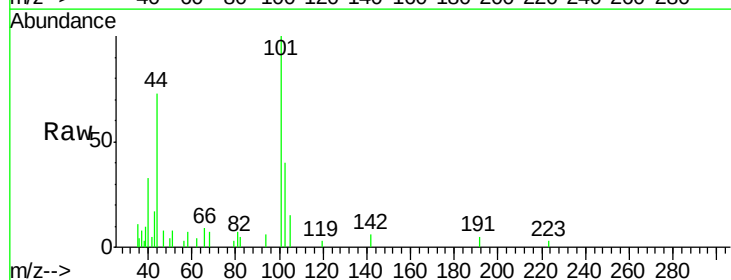
Acq: 19 Jul 2018 22:55

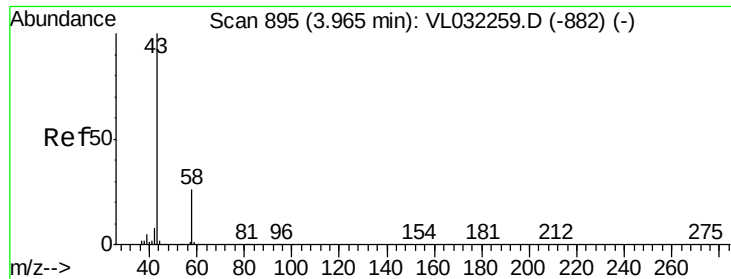
Tgt Ion: 101 Resp: 4939

Ion Ratio Lower Upper

101 100

103 40.0 51.5 77.3#

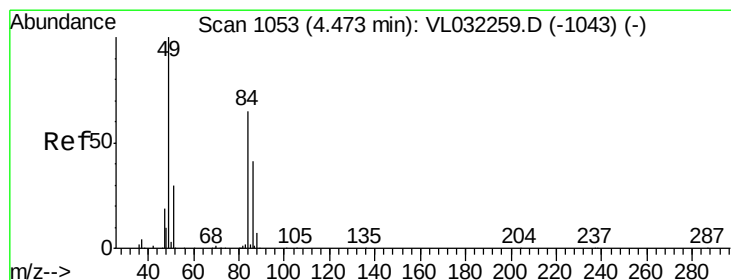
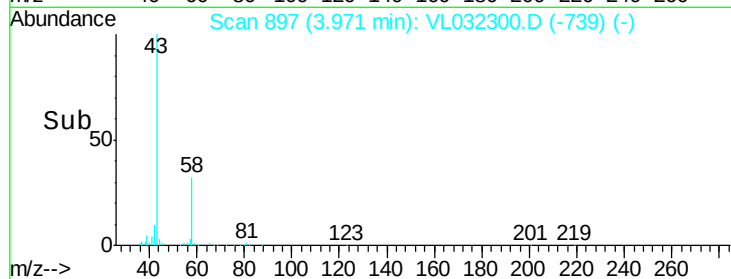
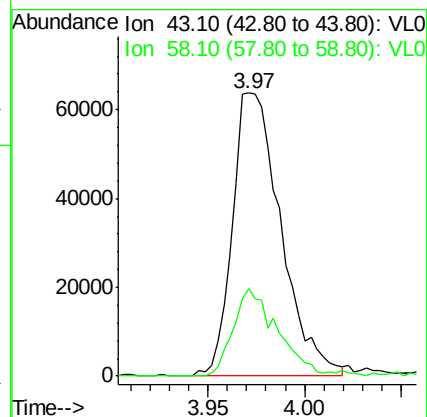
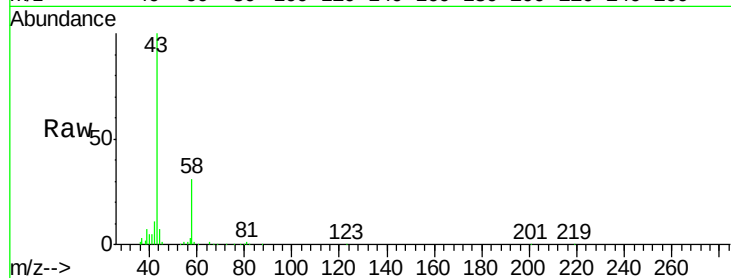




#15
Acetone
Concen: 0.709 ppbv
RT: 3.97 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL032300.D
Acq: 19 Jul 2018 22:55

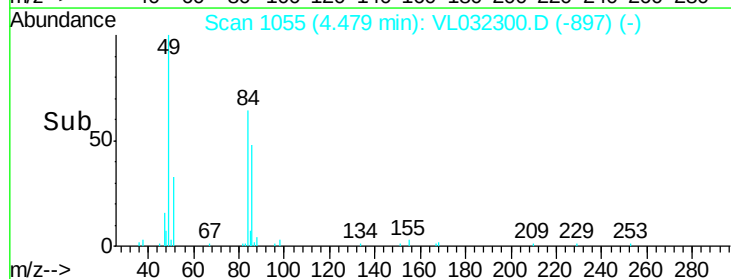
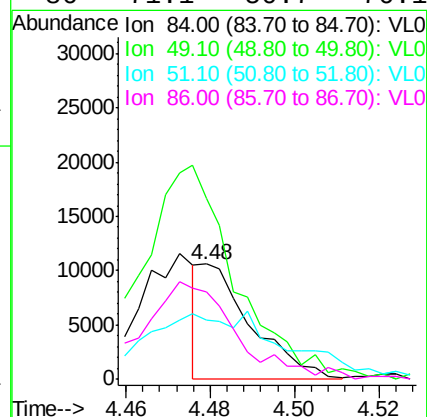
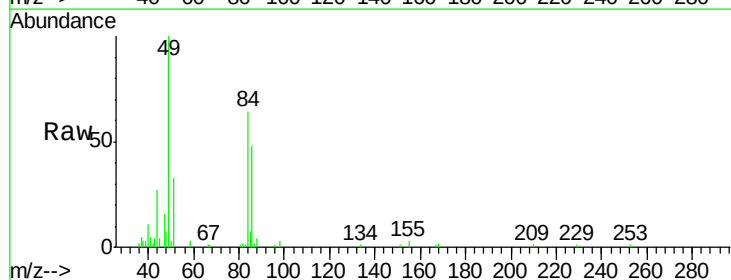
Instrument :
MSVOA_L
ClientSampleId :

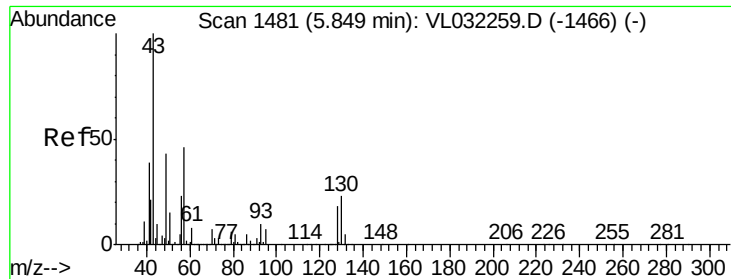
Tot Ion: 43 Resp: 110985
Ion Ratio Lower Upper
43 100
58 29.0 21.8 32.6



#20
Methylene Chloride
Concen: 0.147 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VL032300.D
Acq: 19 Jul 2018 22:55

Tgt Ion: 84 Resp: 8850
Ion Ratio Lower Upper
84 100
49 150.3 122.4 183.6
51 38.3 36.8 55.2
86 71.1 50.7 76.1

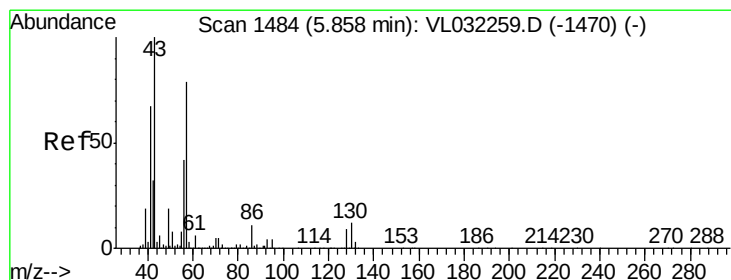
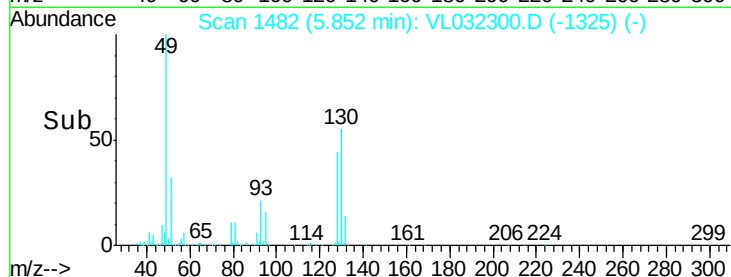
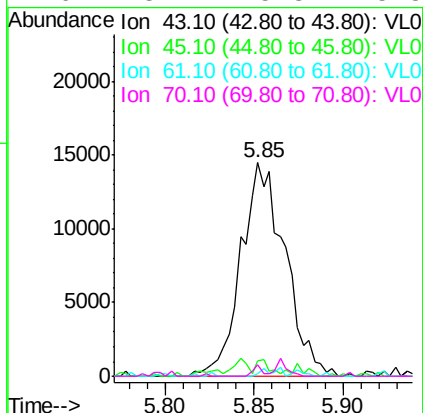
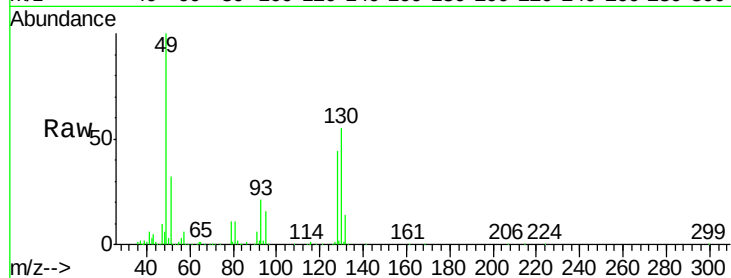




#25
Ethyl Acetate
Concen: 0.073 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VL032300.D
Acq: 19 Jul 2018 22:55

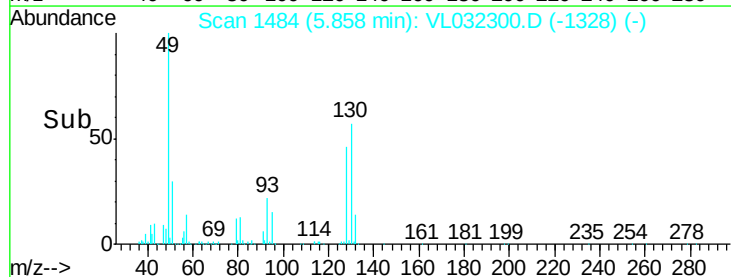
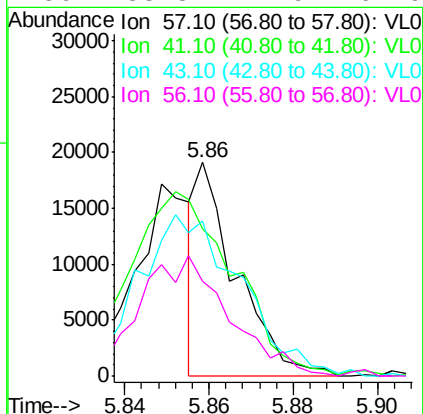
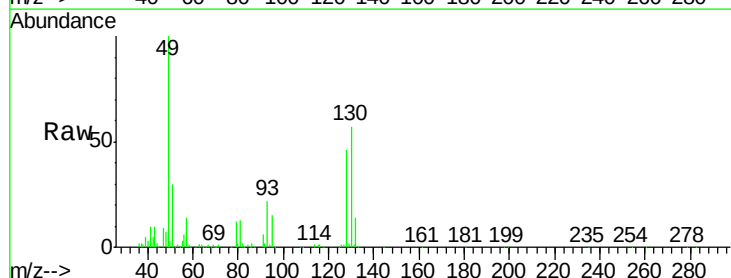
Instrument :
MSVOA_L
ClientSampled :

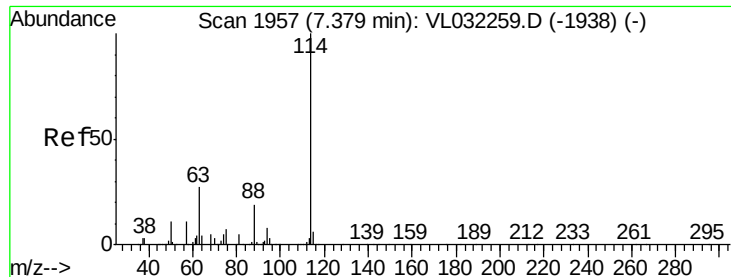
Tot Ion: 43 Resp: 24998
Ion Ratio Lower Upper
43 100
45 9.3 7.9 11.9
61 2.3 7.6 11.4#
70 3.1 5.8 8.8#



#26
Hexane
Concen: 0.080 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. 0.00 min
Lab File: VL032300.D
Acq: 19 Jul 2018 22:55

Tgt Ion: 57 Resp: 12493
Ion Ratio Lower Upper
57 100
41 233.1 67.9 101.9#
43 202.8 175.9 263.9
56 133.8 41.9 62.9#

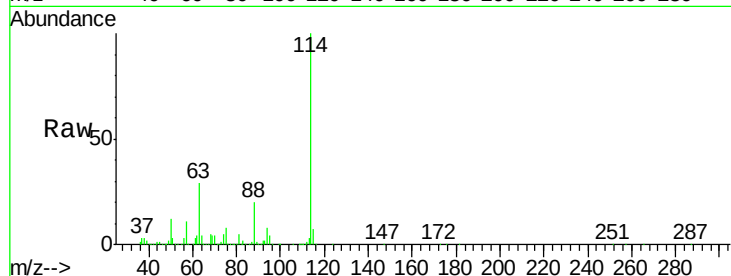




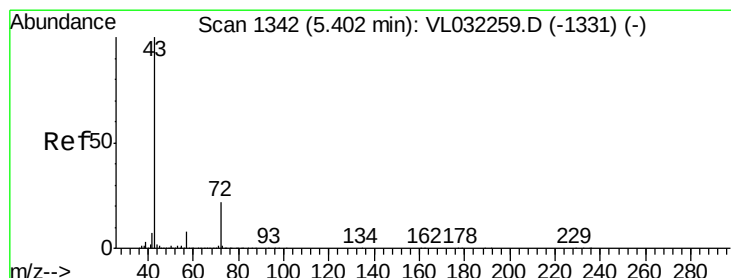
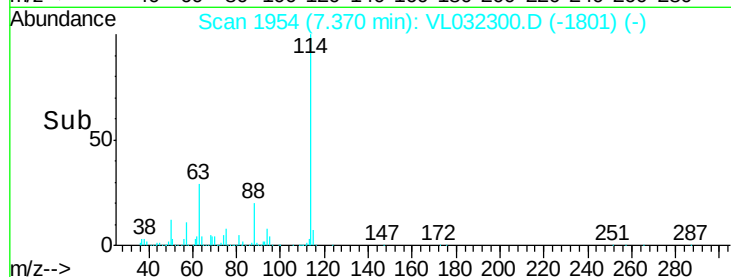
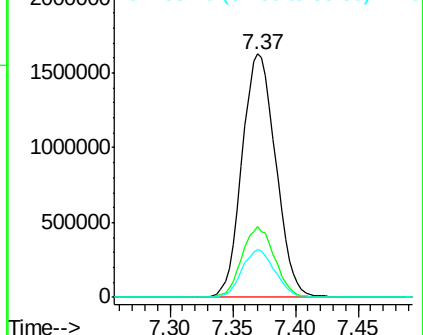
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.37 min Scan# 1954
 Delta R.T. -0.01 min
 Lab File: VL032300.D
 Acq: 19 Jul 2018 22:55

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3044994
 Ion Ratio Lower Upper
 114 100
 63 28.4 22.6 33.8
 88 19.4 15.2 22.8

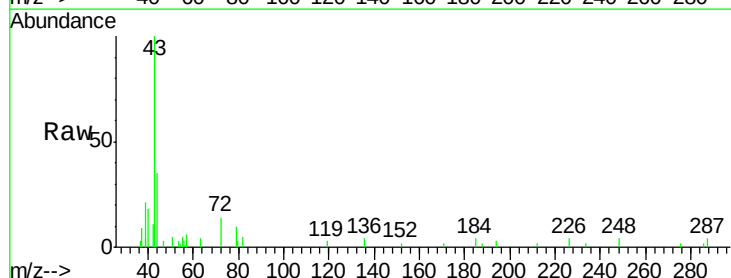


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

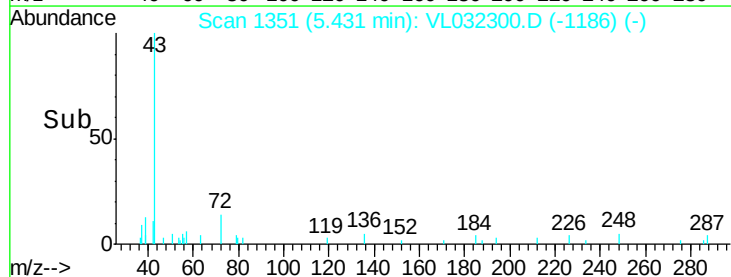
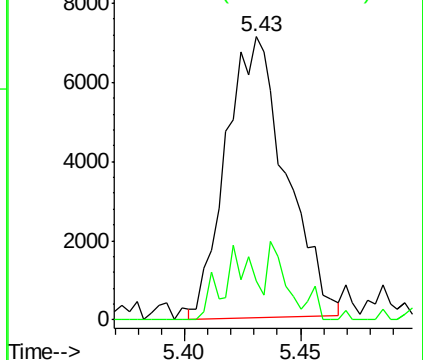


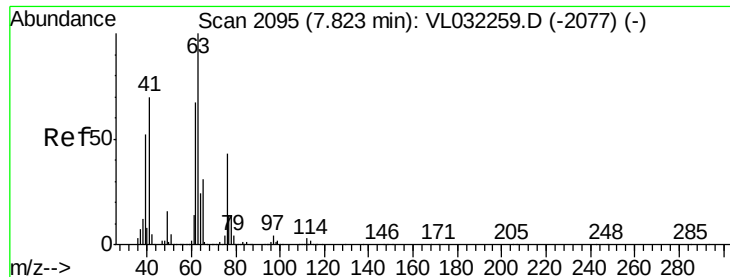
#34
 2-Butanone
 Concen: 0.061 ppbv
 RT: 5.43 min Scan# 1351
 Delta R.T. 0.03 min
 Lab File: VL032300.D
 Acq: 19 Jul 2018 22:55

Tgt Ion: 43 Resp: 12813
 Ion Ratio Lower Upper
 43 100
 72 23.3 17.7 26.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#39

1,2-Dichloropropane

Concen: 7.247 ppbv

RT: 7.37 min Scan# 1954

Delta R.T. -0.45 min

Lab File: VL032300.D

Acq: 19 Jul 2018 22:55

Instrument :

MSVOA_L

ClientSampleId :

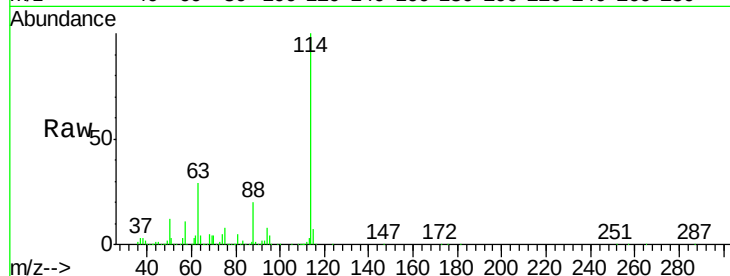
Tot Ion: 63 Resp: 860002

Ion Ratio Lower Upper

63 100

41 0.0 55.8 83.6#

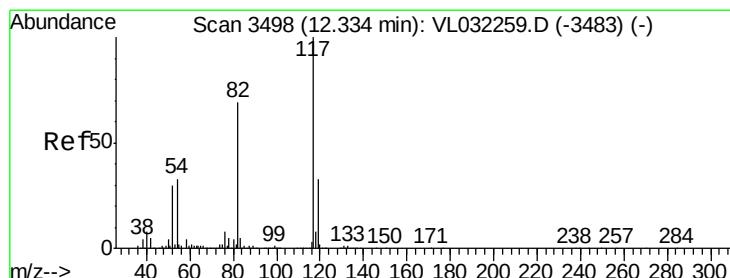
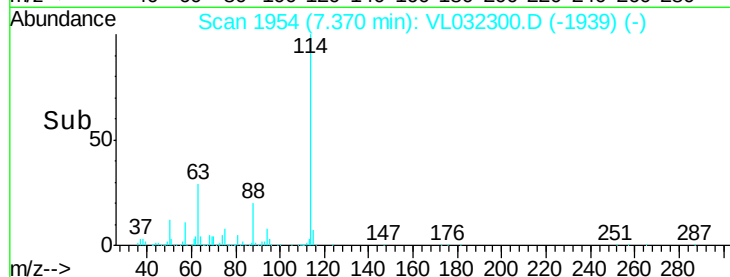
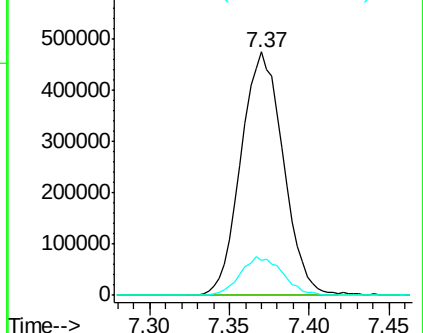
62 14.4 53.8 80.8#



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: 12.33 min Scan# 3496

Delta R.T. -0.01 min

Lab File: VL032300.D

Acq: 19 Jul 2018 22:55

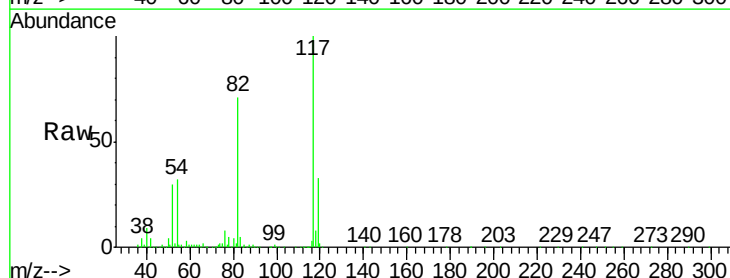
Tgt Ion: 117 Resp: 3534990

Ion Ratio Lower Upper

117 100

82 69.9 53.9 80.9

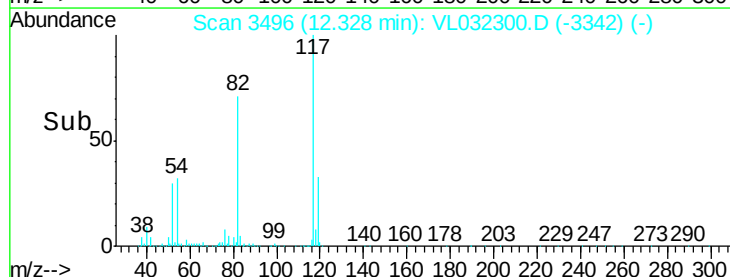
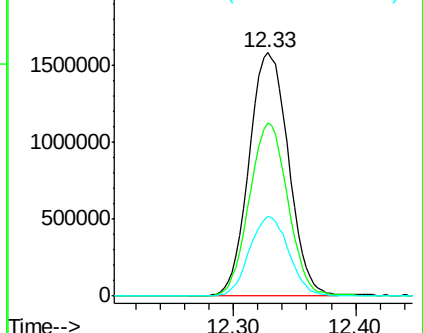
119 32.8 25.5 38.3

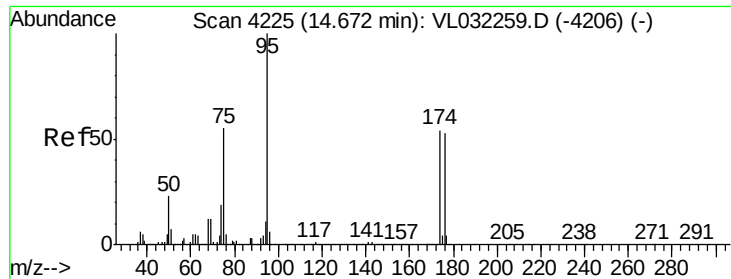


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.679 ppbv

RT: 14.67 min Scan# 4223

Delta R.T. -0.01 min

Lab File: VL032300.D

Acq: 19 Jul 2018 22:55

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2774090

Ion Ratio Lower Upper

95 100

174 55.1 44.3 66.5

175 3.9 3.3 4.9

