

Data File : VL032980.D
Acq On : 12 Dec 2018 10:55
Operator : SY/AP
Sample : J6264-15DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
A55G1DL2

Quant Time: Dec 12 15:03:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1039298	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2636577	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2495084	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1878971	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	3.17	50	6776	0.148	ppbv	96
8) Dichlorotetrafluoroethane	3.07	85	3478	0.030	ppbv #	16
9) Propene	3.24	41	9826	0.316	ppbv	87
13) Ethanol	3.67	45	15243	1.422	ppbv	89
15) Acetone	3.91	43	418925	4.696	ppbv	99
16) 1,3-Butadiene	3.39	39	3875	0.109	ppbv #	13
20) Methylene Chloride	4.41	84	32622	0.748	ppbv	94
25) Ethyl Acetate	5.78	43	16842	0.080	ppbv #	82
26) Hexane	5.78	57	25894	0.266	ppbv #	41
34) 2-Butanone	5.36	43	15996	0.139	ppbv #	85
39) 1,2-Dichloropropane	7.29	63	666262	9.059	ppbv #	21

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

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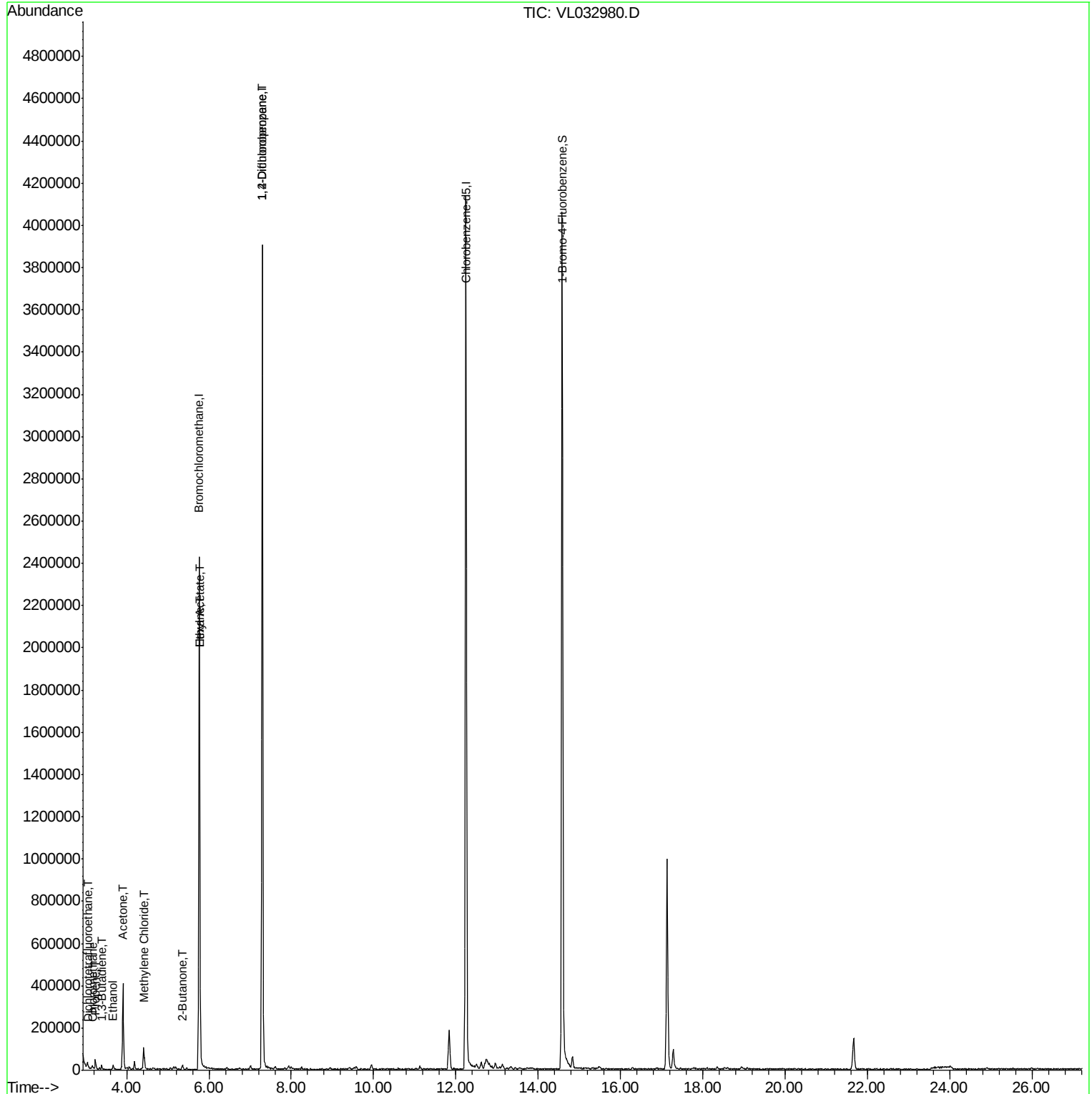
Quant Time: Dec 12 15:03:51 2018

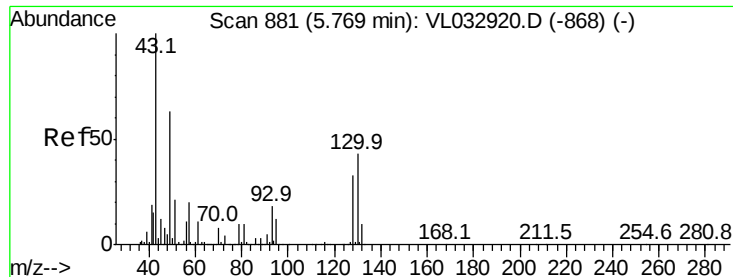
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018

QLast Update : Fri Dec 07 09:35:17 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

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ClientSampleId :

A55G1DL2

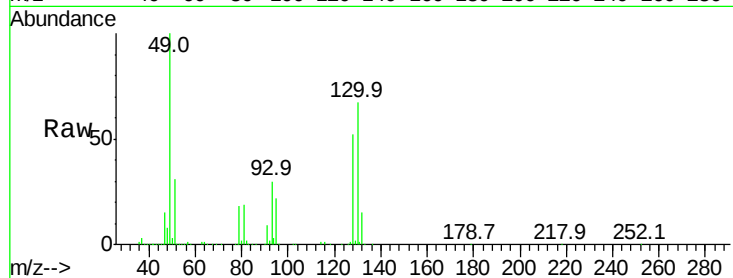
Tgt Ion: 49 Resp: 1039298

Ion Ratio Lower Upper

49 100

128 52.5 26.3 78.8

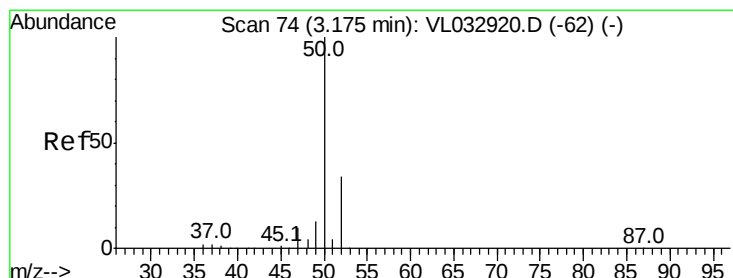
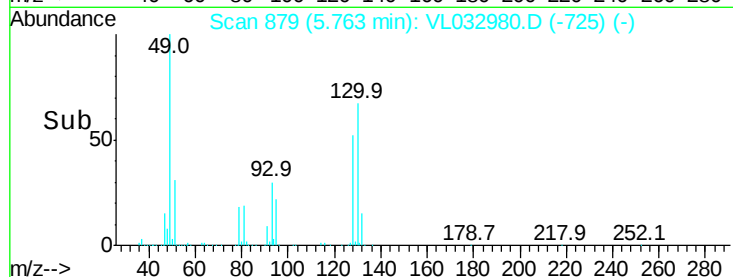
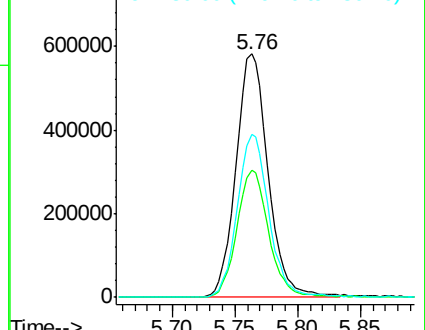
130 66.4 33.9 101.7



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



#4

Chloromethane

Concen: 0.148 ppbv

RT: 3.17 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL032980.D

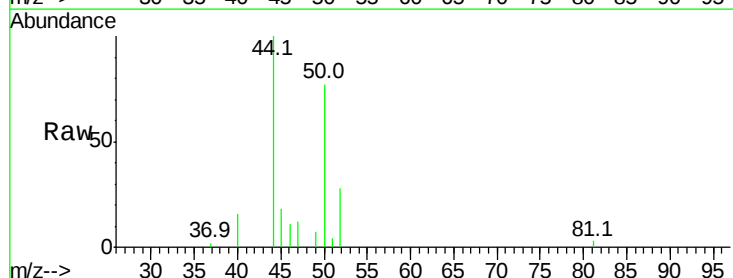
Acq: 12 Dec 2018 10:55

Tgt Ion: 50 Resp: 6776

Ion Ratio Lower Upper

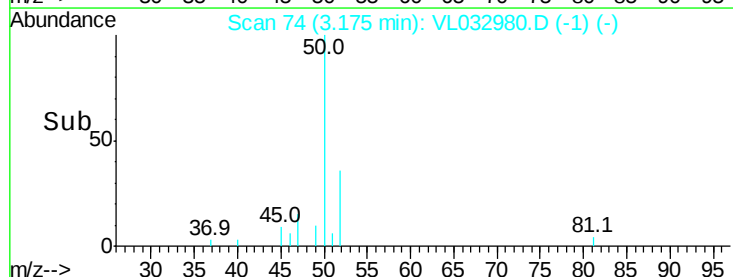
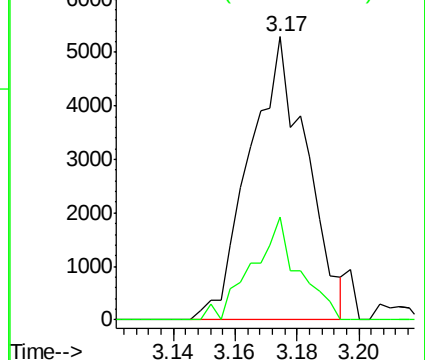
50 100

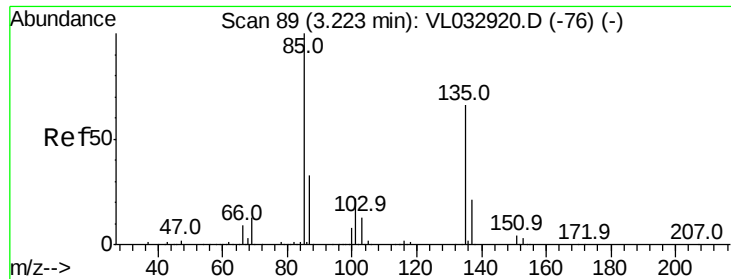
52 36.4 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.030 ppbv

RT: 3.07 min Scan# 43

Delta R.T. -0.15 min

Lab File: VL032980.D

Acq: 12 Dec 2018 10:55

Instrument :

MSVOA_L

ClientSampleId :

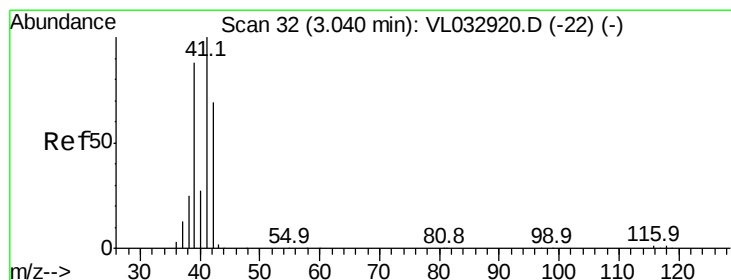
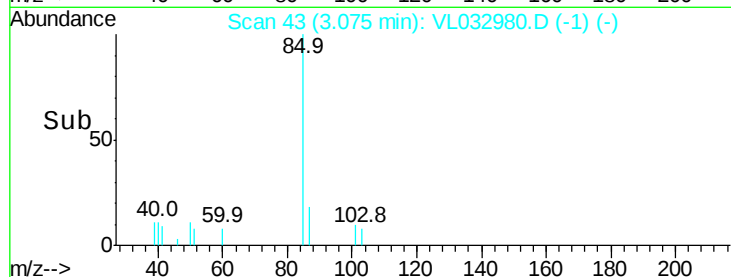
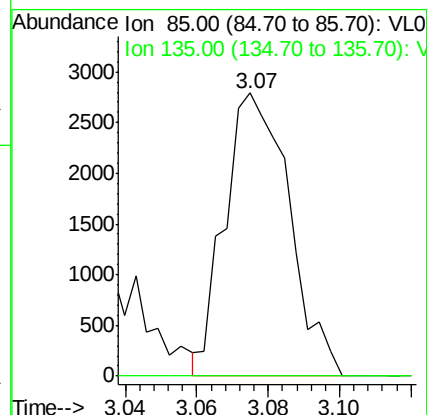
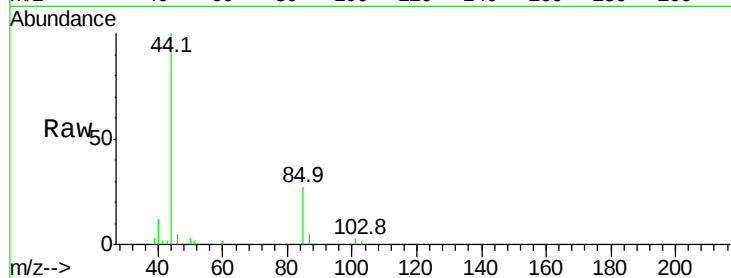
A55G1DL2

Tgt Ion: 85 Resp: 3478

Ion Ratio Lower Upper

85 100

135 0.0 54.5 81.7#



#9

Propene

Concen: 0.316 ppbv

RT: 3.24 min Scan# 94

Delta R.T. 0.20 min

Lab File: VL032980.D

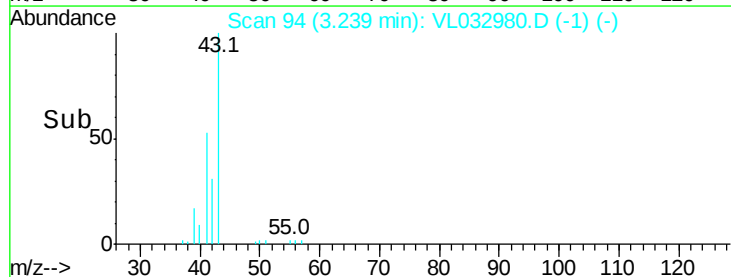
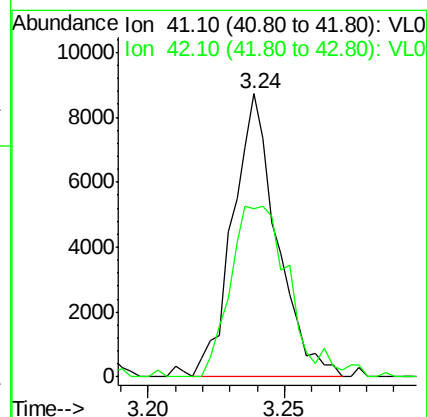
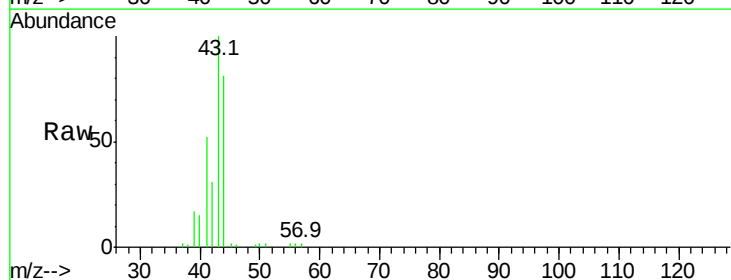
Acq: 12 Dec 2018 10:55

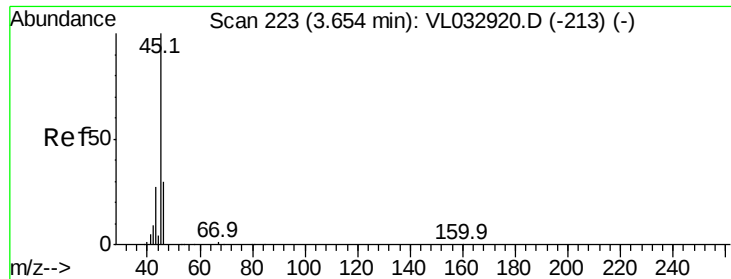
Tgt Ion: 41 Resp: 9826

Ion Ratio Lower Upper

41 100

42 81.2 56.2 84.2





#13

Ethanol

Concen: 1.422 ppbv

RT: 3.67 min Scan# 229

Delta R.T. 0.02 min

Lab File: VL032980.D

Acq: 12 Dec 2018 10:55

Instrument :

MSVOA_L

ClientSampleId :

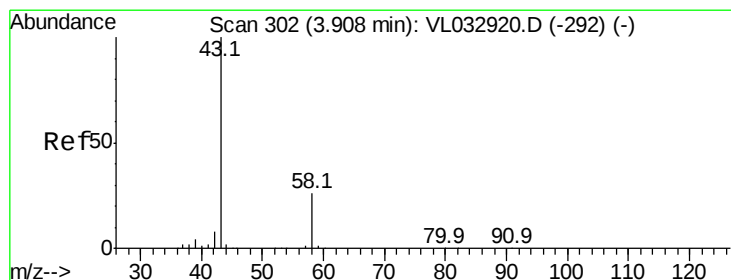
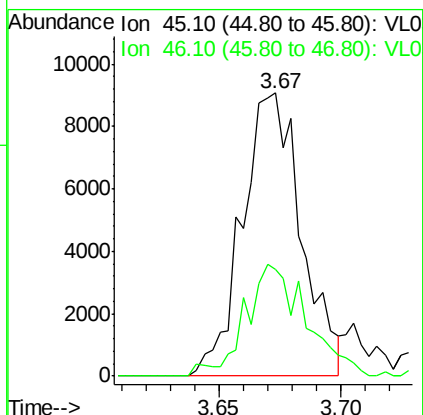
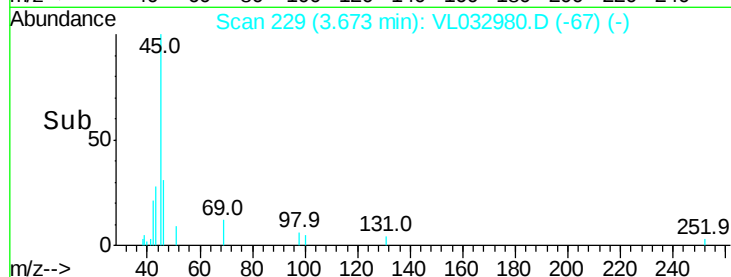
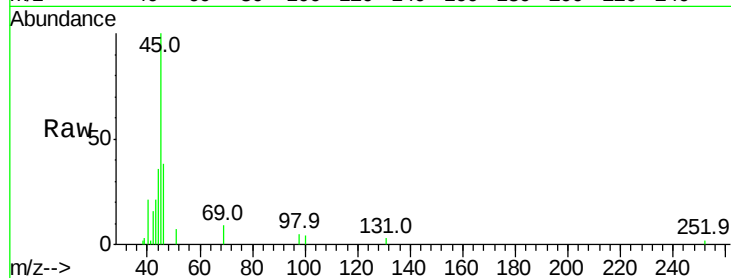
A55G1DL2

Tgt Ion: 45 Resp: 15243

Ion Ratio Lower Upper

45 100

46 40.9 13.8 55.4



#15

Acetone

Concen: 4.696 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL032980.D

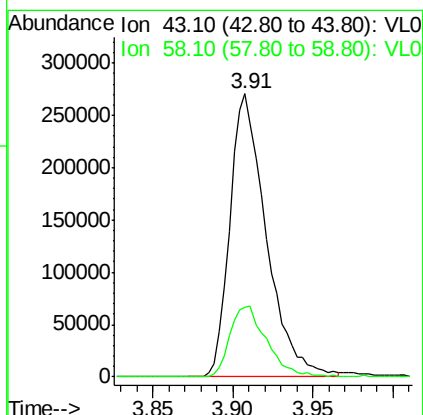
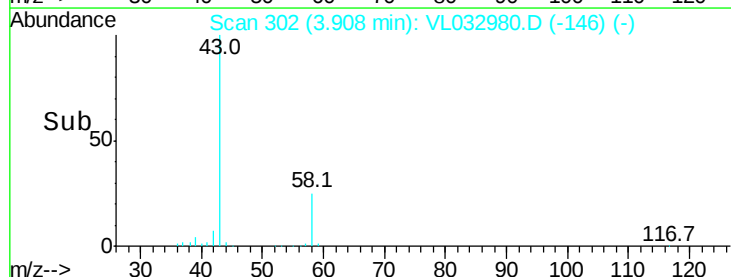
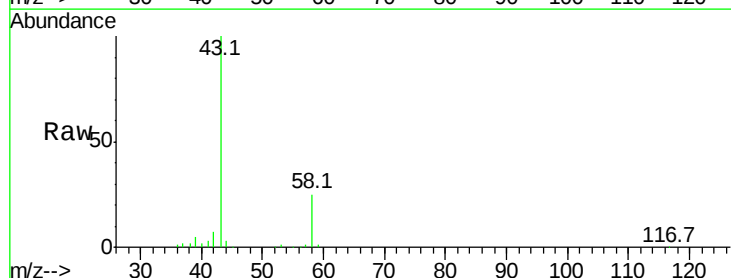
Acq: 12 Dec 2018 10:55

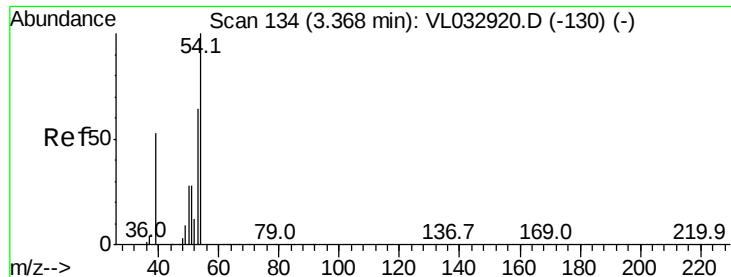
Tgt Ion: 43 Resp: 418925

Ion Ratio Lower Upper

43 100

58 26.0 20.6 30.8

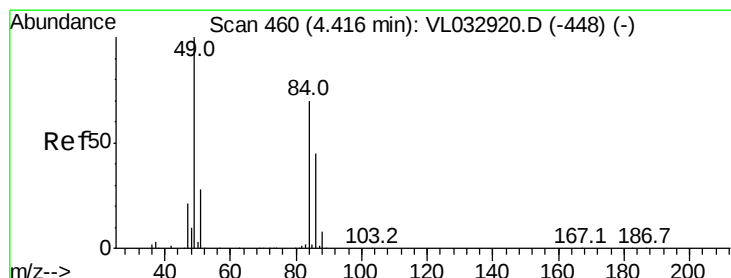
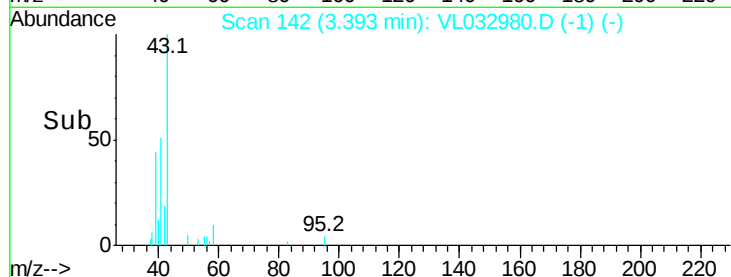
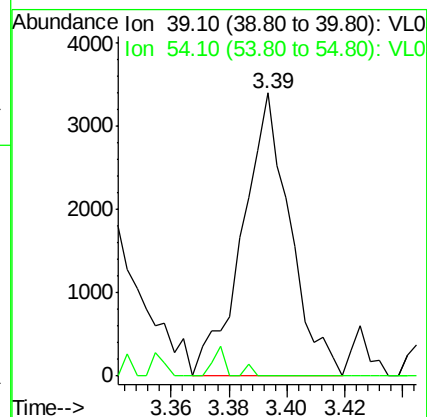
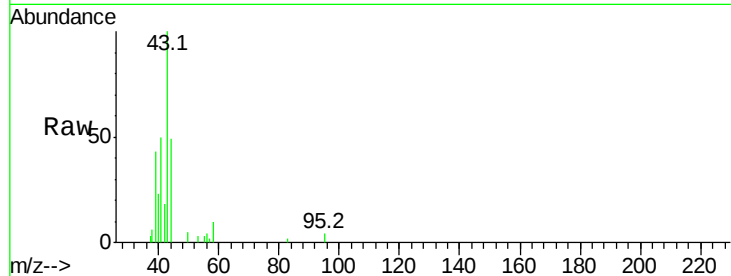




#16
 1,3-Butadiene
 Concen: 0.109 ppbv
 RT: 3.39 min Scan# 142
 Delta R.T. 0.03 min
 Lab File: VL032980.D
 Acq: 12 Dec 2018 10:55

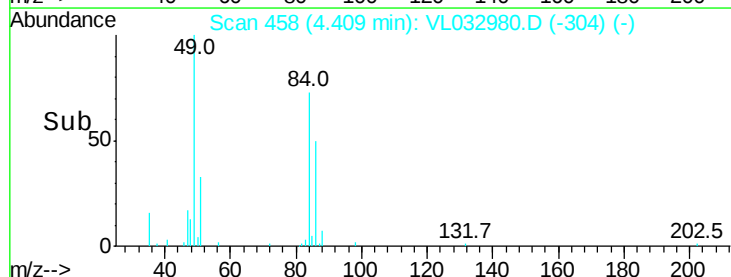
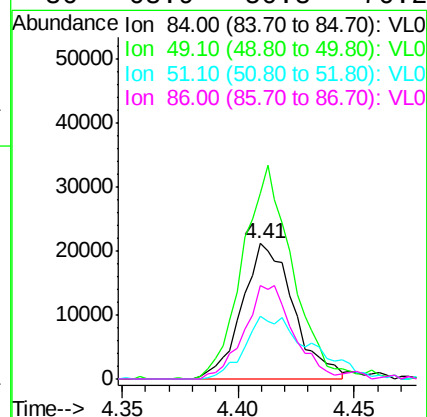
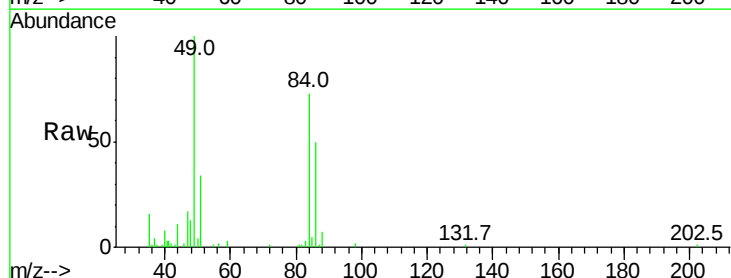
Instrument :
 MSVOA_L
 ClientSampleId :
 A55G1DL2

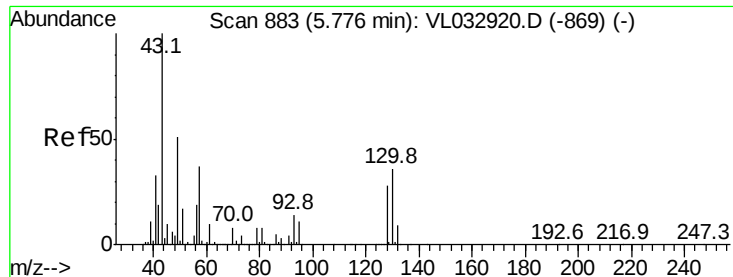
Tgt Ion: 39 Resp: 3875
 Ion Ratio Lower Upper
 39 100
 54 8.5 72.7 109.1#



#20
 Methylene Chloride
 Concen: 0.748 ppbv
 RT: 4.41 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VL032980.D
 Acq: 12 Dec 2018 10:55

Tgt Ion: 84 Resp: 32622
 Ion Ratio Lower Upper
 84 100
 49 137.2 113.8 170.8
 51 46.5 31.8 47.8
 86 68.9 50.8 76.2

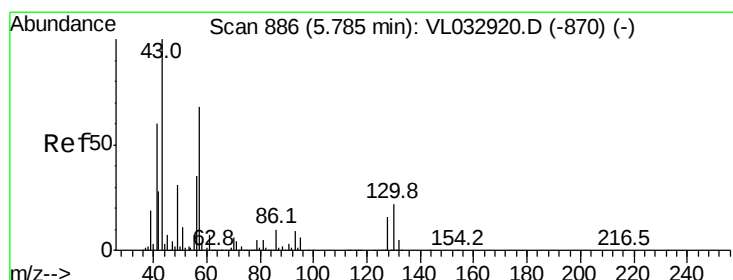
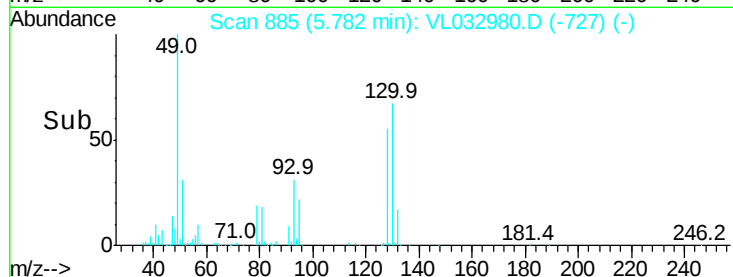
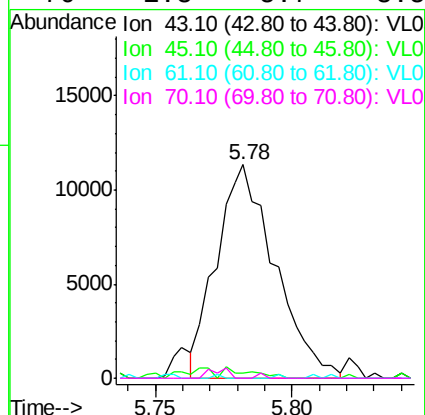
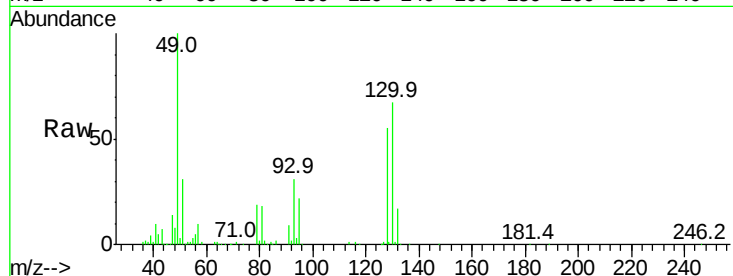




#25
Ethyl Acetate
Concen: 0.080 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL032980.D
Acq: 12 Dec 2018 10:55

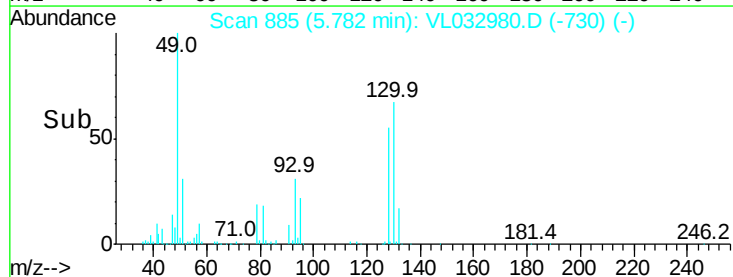
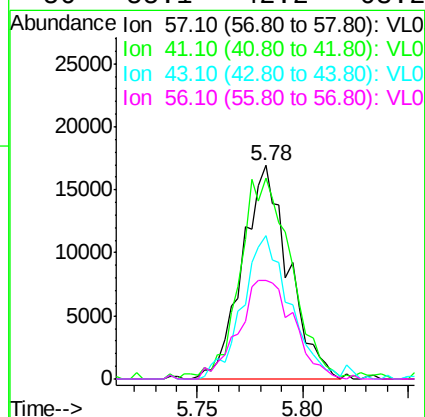
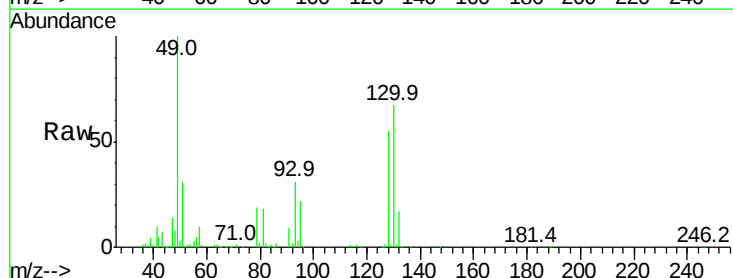
Instrument :
MSVOA_L
ClientSampleId :
A55G1DL2

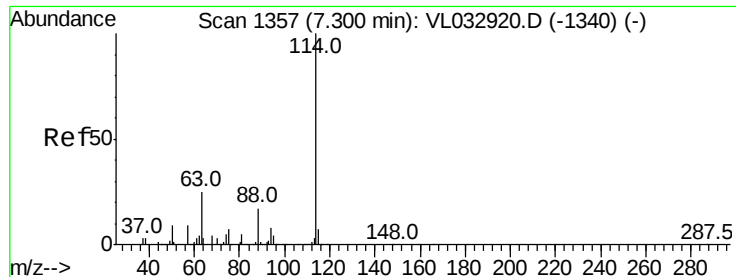
Tgt Ion:	43	Resp:	16842
Ion	Ratio	Lower	Upper
43	100		
45	4.8	7.8	11.6#
61	0.0	7.4	11.2#
70	1.8	5.7	8.5#



#26
Hexane
Concen: 0.266 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032980.D
Acq: 12 Dec 2018 10:55

Tgt Ion:	57	Resp:	25894
Ion	Ratio	Lower	Upper
57	100		
41	106.3	72.2	108.2
43	72.2	171.9	257.9#
56	55.1	42.2	63.2

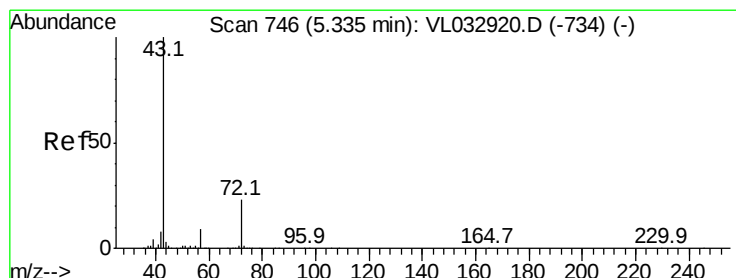
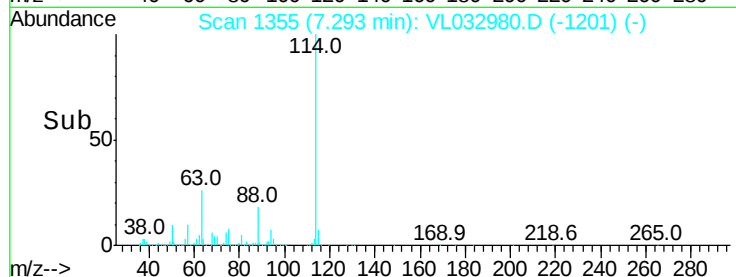
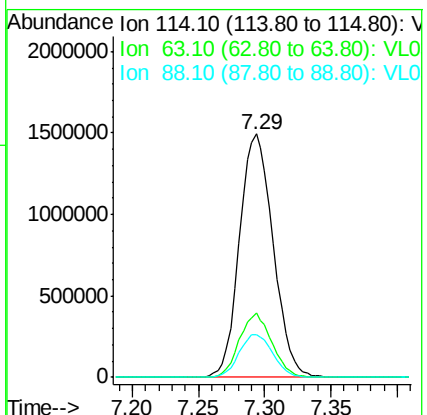
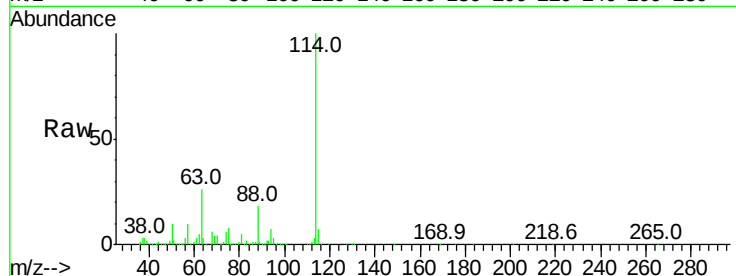




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL032980.D
 Acq: 12 Dec 2018 10:55

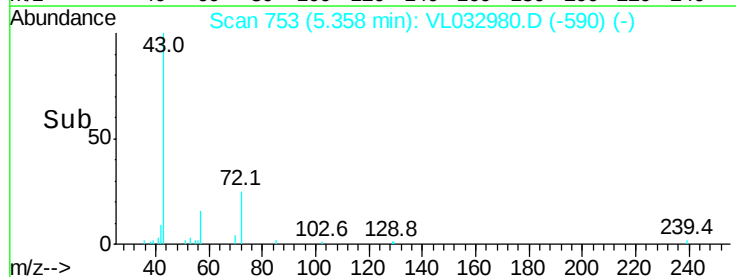
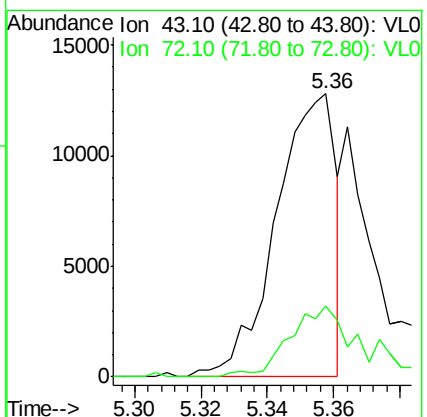
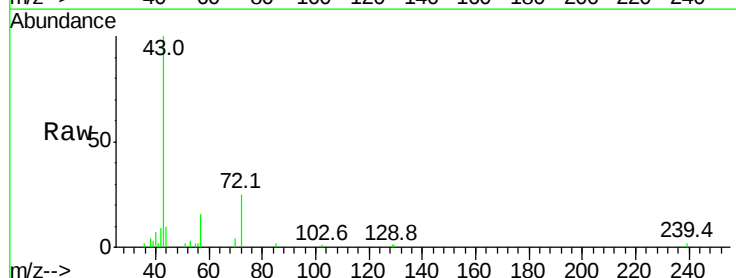
Instrument :
 MSVOA_L
 ClientSampleId :
 A55G1DL2

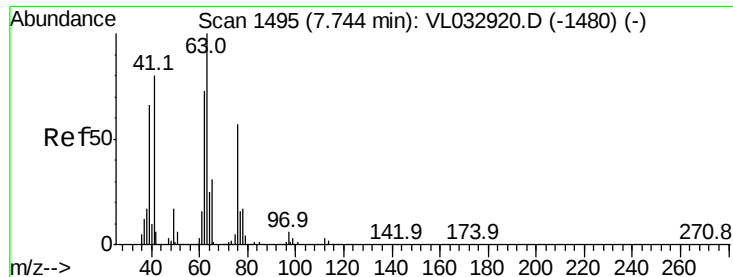
Tgt Ion:114 Resp: 2636577
 Ion Ratio Lower Upper
 114 100
 63 25.5 20.1 30.1
 88 17.7 14.2 21.4



#34
 2-Butanone
 Concen: 0.139 ppbv
 RT: 5.36 min Scan# 753
 Delta R.T. 0.02 min
 Lab File: VL032980.D
 Acq: 12 Dec 2018 10:55

Tgt Ion: 43 Resp: 15996
 Ion Ratio Lower Upper
 43 100
 72 31.0 18.8 28.2#





#39

1,2-Dichloropropane

Concen: 9.059 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.45 min

Lab File: VL032980.D

Acq: 12 Dec 2018 10:55

Instrument :

MSVOA_L

ClientSampleId :

A55G1DL2

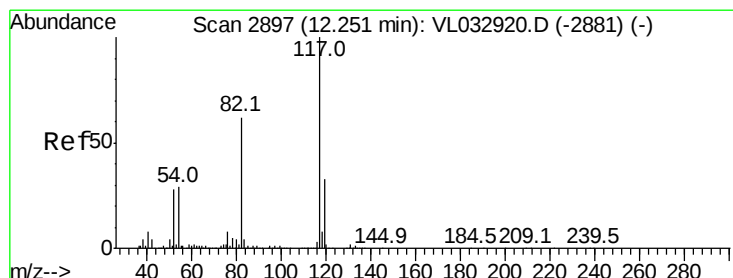
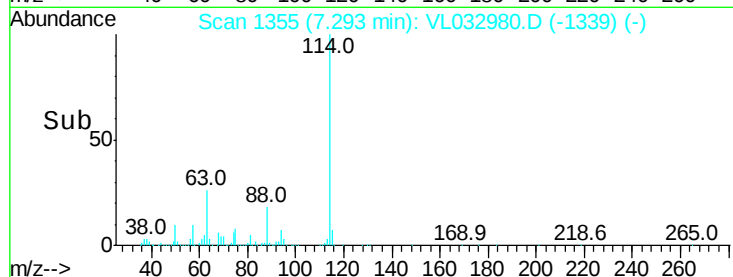
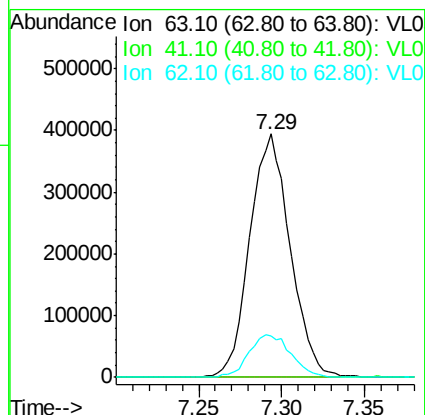
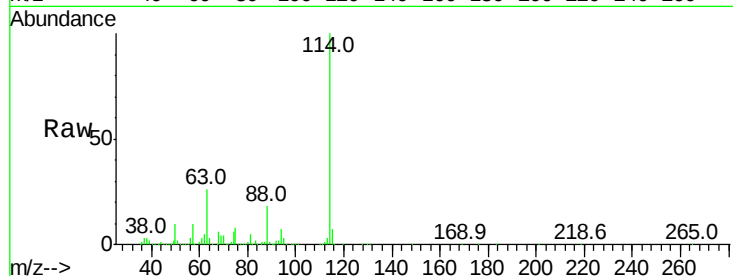
Tgt Ion: 63 Resp: 666262

Ion Ratio Lower Upper

63 100

41 0.1 63.9 95.9#

62 17.2 58.8 88.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL032980.D

Acq: 12 Dec 2018 10:55

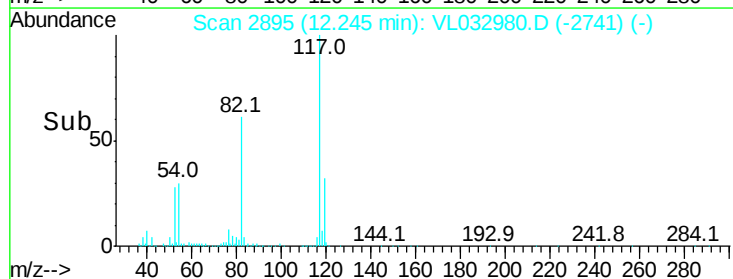
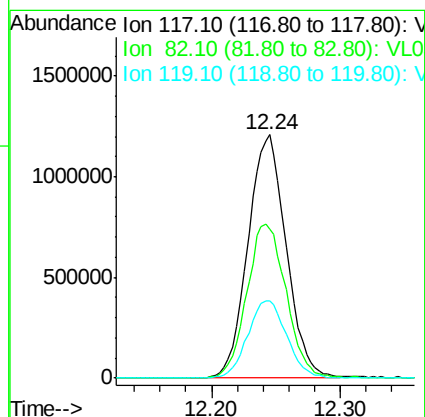
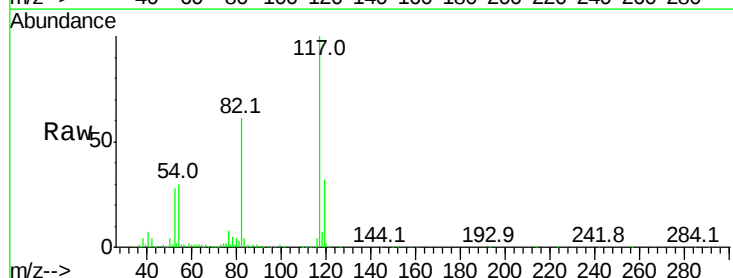
Tgt Ion: 117 Resp: 2495084

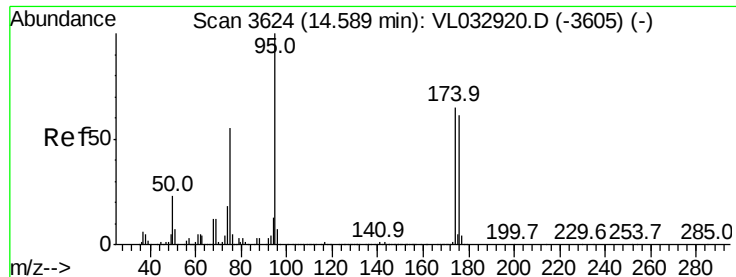
Ion Ratio Lower Upper

117 100

82 65.7 47.8 71.8

119 32.6 43.1 64.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.193 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL032980.D

Acq: 12 Dec 2018 10:55

Instrument :

MSVOA_L

ClientSampleId :

A55G1DL2

Tgt Ion: 95 Resp: 1878971

Ion Ratio Lower Upper

95 100

174 65.1 51.4 77.0

175 4.8 3.8 5.6

