

Data File : VL032417.D
Acq On : 21 Aug 2018 10:14
Operator : SY/AP
Sample : J4576-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA1DL

Quant Time: Aug 21 11:33:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1665326	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3278135	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3291890	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	2469283	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

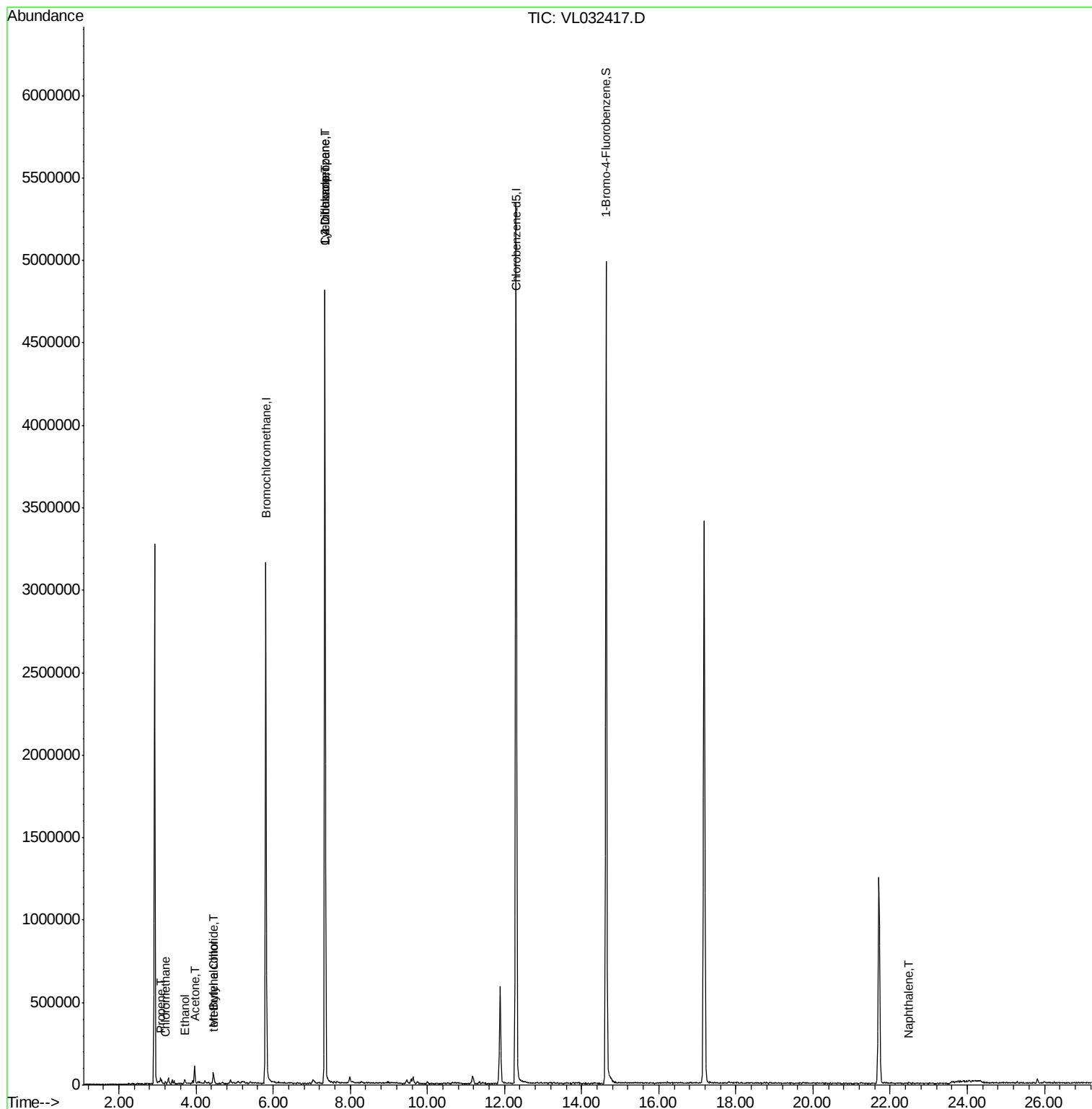
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.07	85	489	Below Cal		96
4) Chloromethane	3.21	50	5643	0.061	ppbv	88
9) Propene	3.08	41	5364	0.081	ppbv	86
13) Ethanol	3.70	45	7346	0.433	ppbv #	36
15) Acetone	3.96	43	97671	0.617	ppbv	99
17) tert-Butyl alcohol	4.43	59	4309	0.162	ppbv #	77
20) Methylene Chloride	4.45	84	20282	0.339	ppbv	94
30) Cyclohexane	7.33	84	9535	0.083	ppbv #	1
39) 1,2-Dichloropropane	7.34	63	896360	7.721	ppbv #	26
79) Naphthalene	22.48	128	358	0.328	ppbv #	1

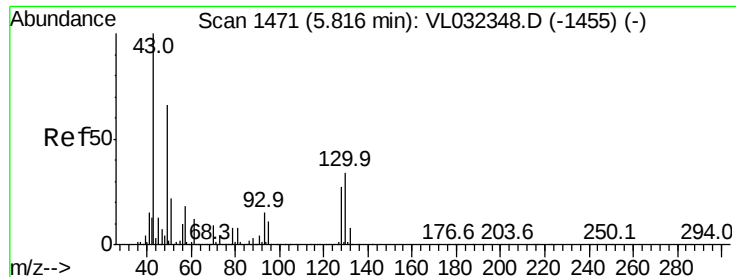
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.81 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VL032417.D

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MSVOA_L

ClientSampleId :

QA1DL

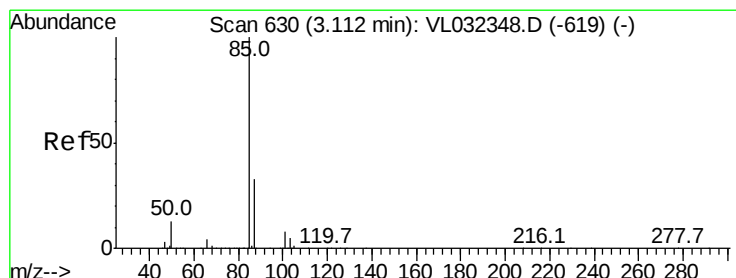
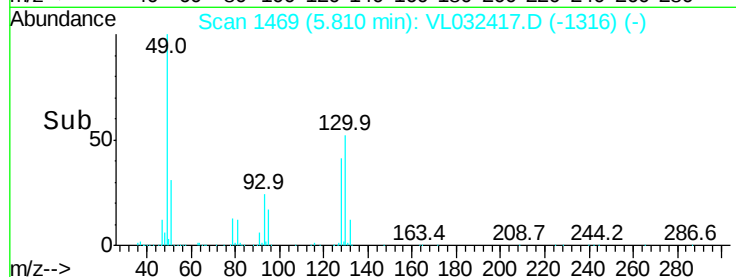
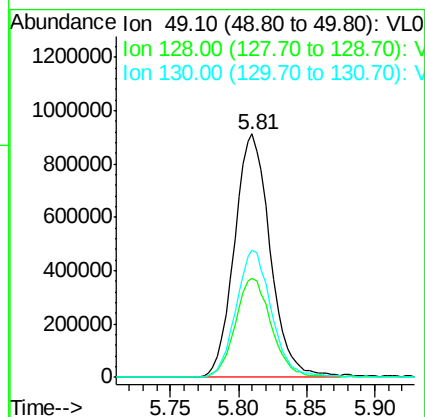
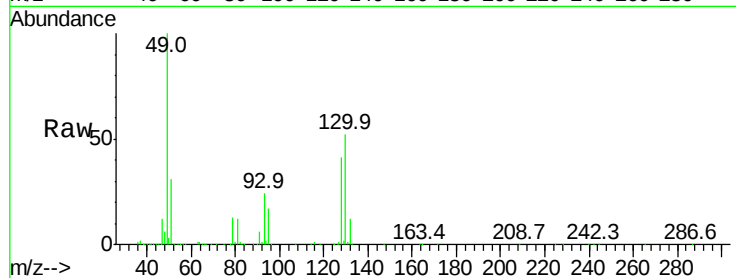
Tgt Ion: 49 Resp: 1665326

Ion Ratio Lower Upper

49 100

128 41.5 20.5 61.6

130 52.3 26.2 78.5



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 3.07 min Scan# 616

Delta R.T. -0.04 min

Lab File: VL032417.D

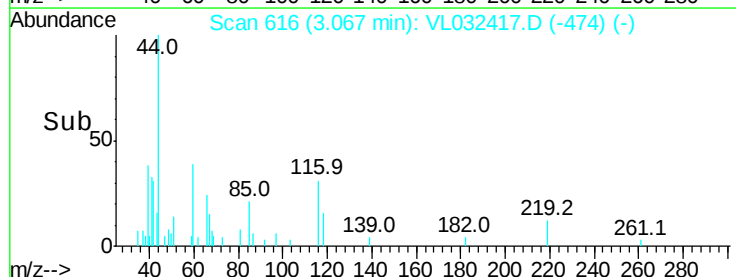
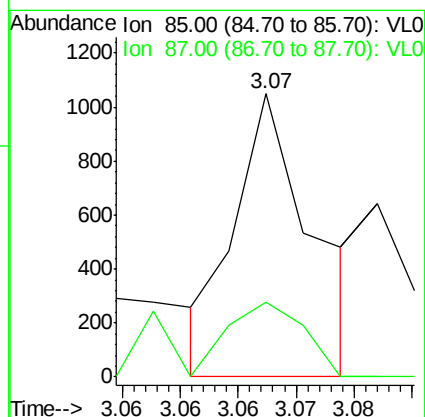
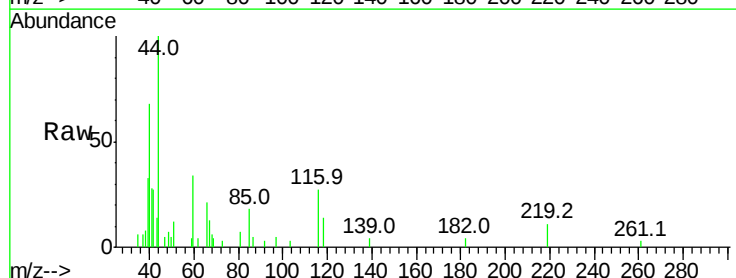
Acq: 21 Aug 2018 10:14

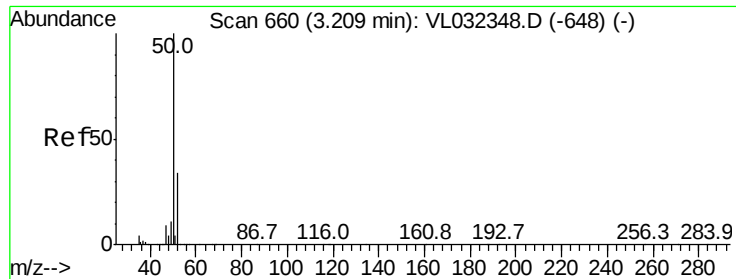
Tgt Ion: 85 Resp: 489

Ion Ratio Lower Upper

85 100

87 35.2 26.3 39.5





#4

Chloromethane

Concen: 0.061 ppbv

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VL032417.D

Acq: 21 Aug 2018 10:14

Instrument :

MSVOA_L

ClientSampleId :

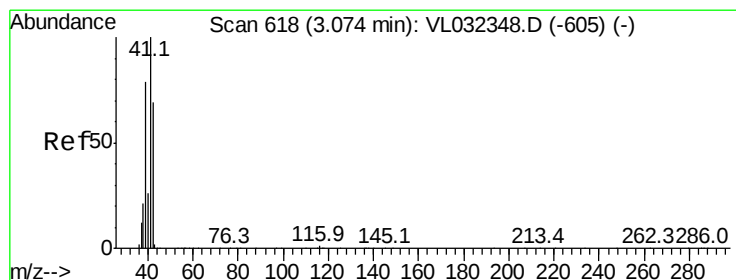
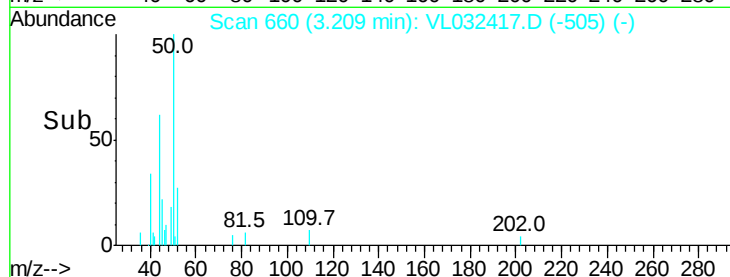
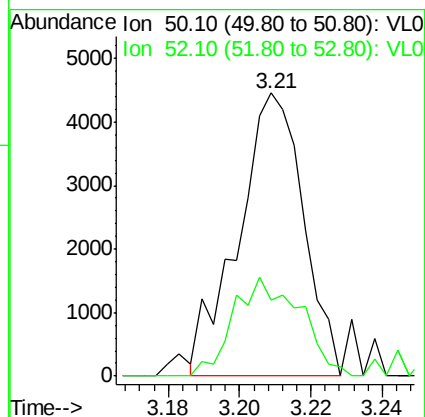
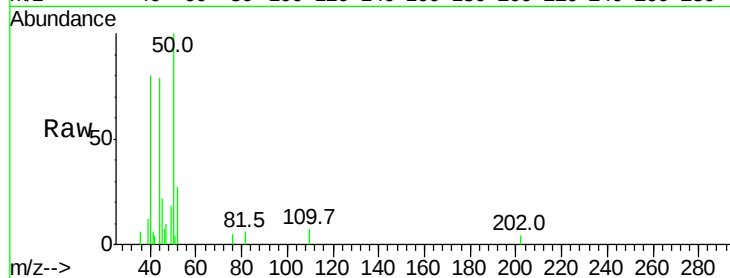
QA1DL

Tgt Ion: 50 Resp: 5643

Ion Ratio Lower Upper

50 100

52 26.9 26.8 40.2



#9

Propene

Concen: 0.081 ppbv

RT: 3.08 min Scan# 620

Delta R.T. 0.01 min

Lab File: VL032417.D

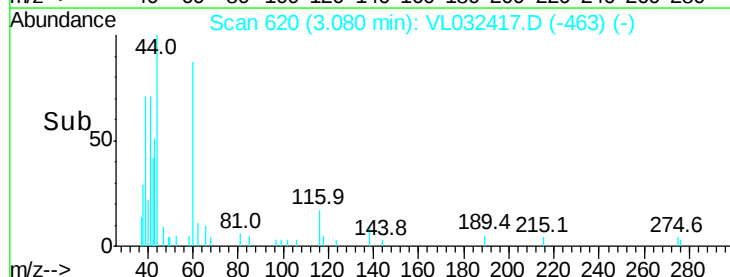
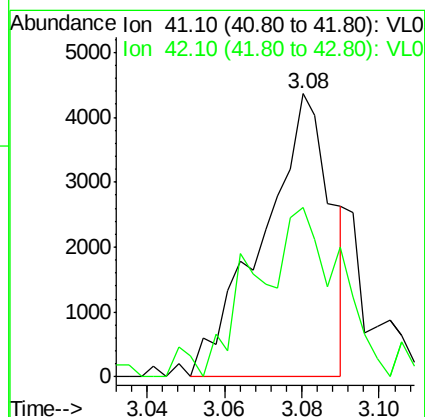
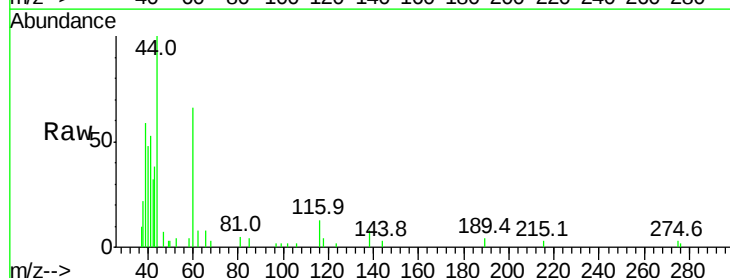
Acq: 21 Aug 2018 10:14

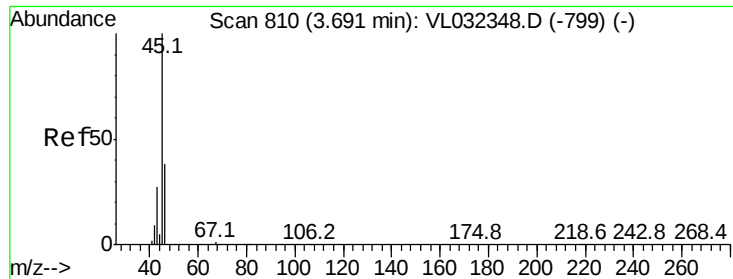
Tgt Ion: 41 Resp: 5364

Ion Ratio Lower Upper

41 100

42 81.7 55.9 83.9





#13

Ethanol

Concen: 0.433 ppbv

RT: 3.70 min Scan# 813

Delta R.T. 0.01 min

Lab File: VL032417.D

Acq: 21 Aug 2018 10:14

Instrument :

MSVOA_L

ClientSampleId :

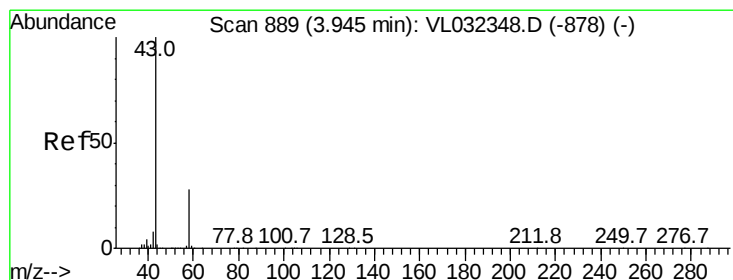
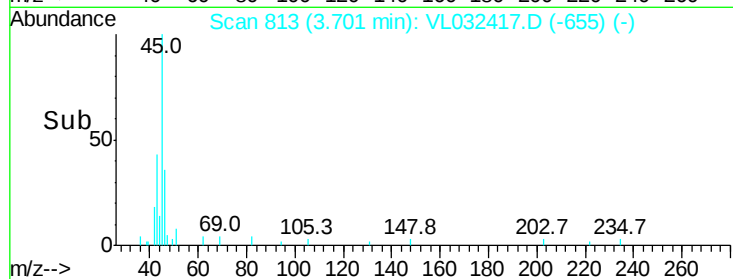
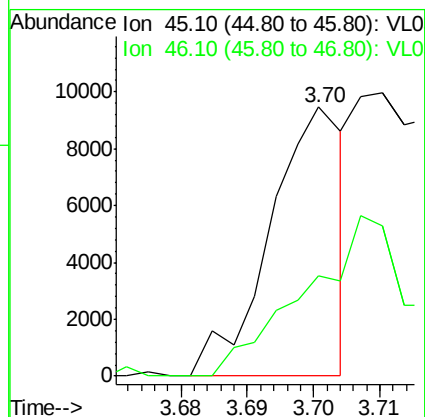
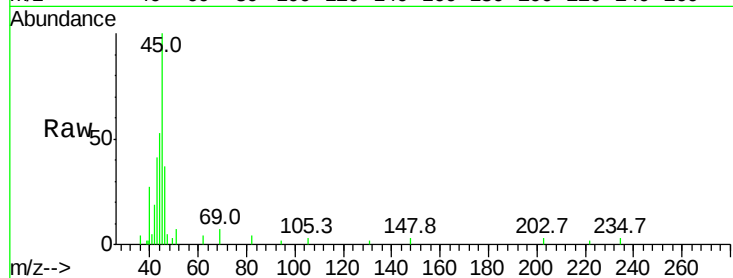
QA1DL

Tgt Ion: 45 Resp: 7346

Ion Ratio Lower Upper

45 100

46 0.0 15.6 62.4#



#15

Acetone

Concen: 0.617 ppbv

RT: 3.96 min Scan# 894

Delta R.T. 0.02 min

Lab File: VL032417.D

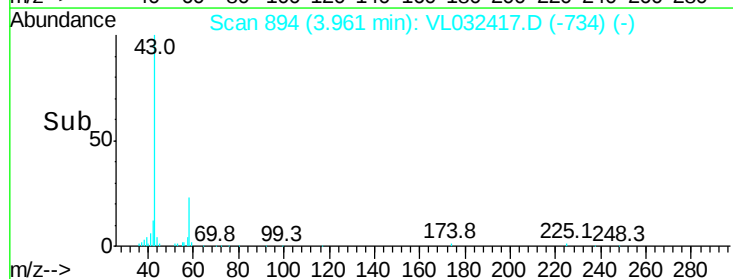
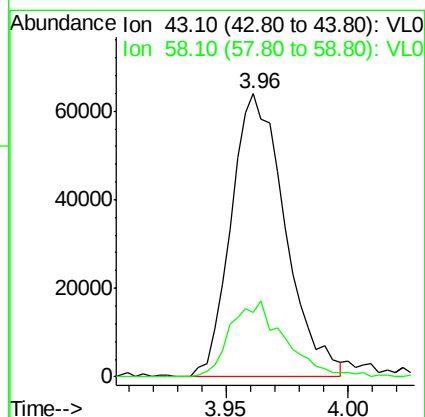
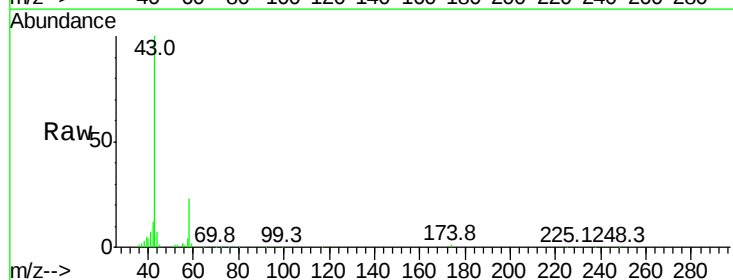
Acq: 21 Aug 2018 10:14

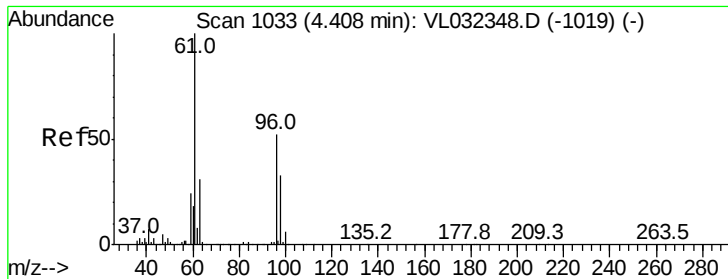
Tgt Ion: 43 Resp: 97671

Ion Ratio Lower Upper

43 100

58 27.5 22.4 33.6

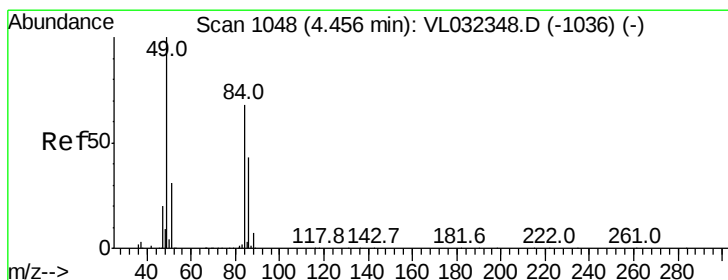
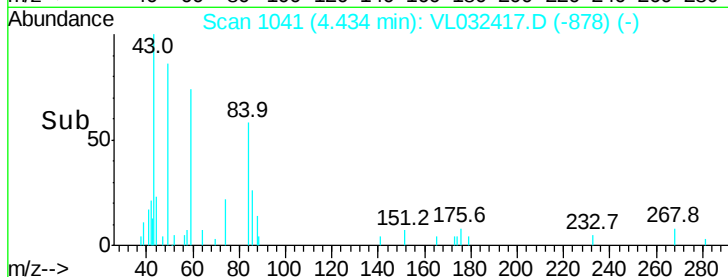
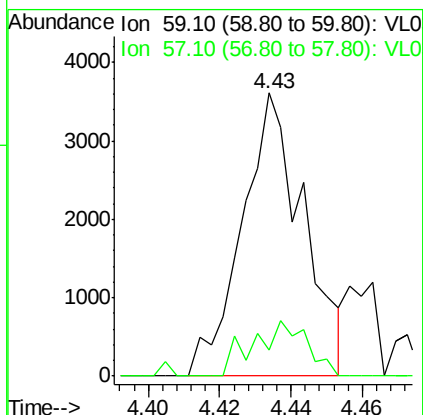
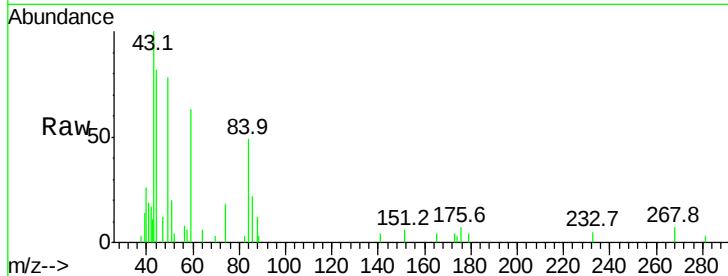




#17
tert-Butyl alcohol
Concen: 0.162 ppbv
RT: 4.43 min Scan# 1041
Delta R.T. 0.03 min
Lab File: VL032417.D
Acq: 21 Aug 2018 10:14

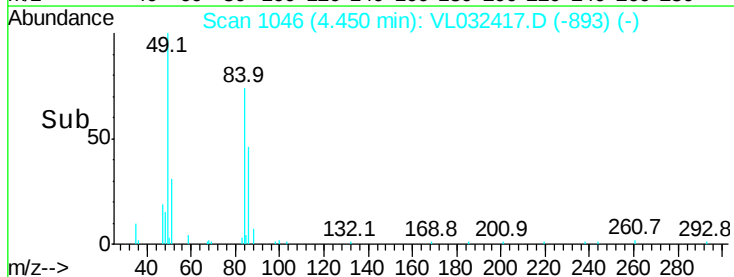
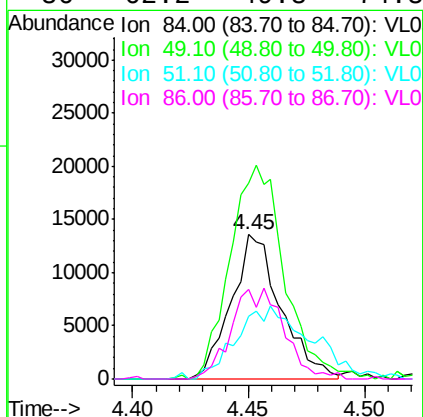
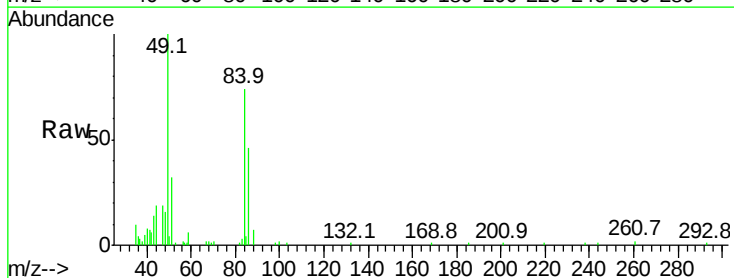
Instrument :
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ClientSampleId :
OA1DL

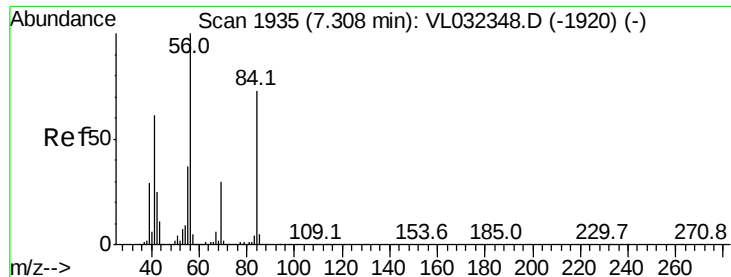
Tgt Ion: 59 Resp: 4309
Ion Ratio Lower Upper
59 100
57 18.0 7.6 11.4#



#20
Methylene Chloride
Concen: 0.339 ppbv
RT: 4.45 min Scan# 1046
Delta R.T. -0.01 min
Lab File: VL032417.D
Acq: 21 Aug 2018 10:14

Tgt Ion: 84 Resp: 20282
Ion Ratio Lower Upper
84 100
49 135.7 117.3 175.9
51 43.5 36.6 55.0
86 62.2 49.8 74.8

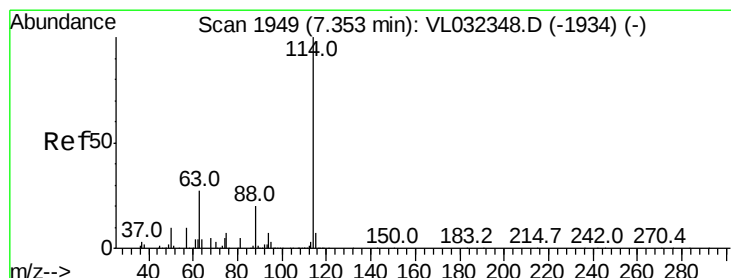
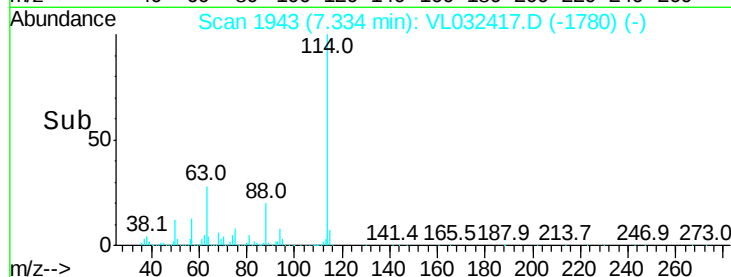
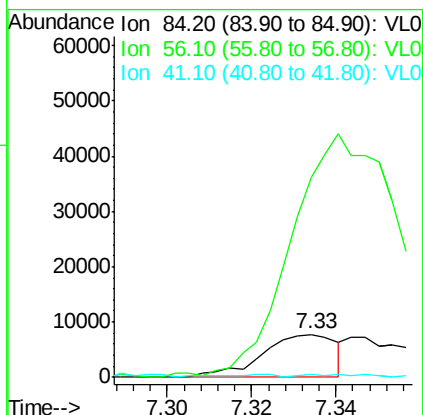
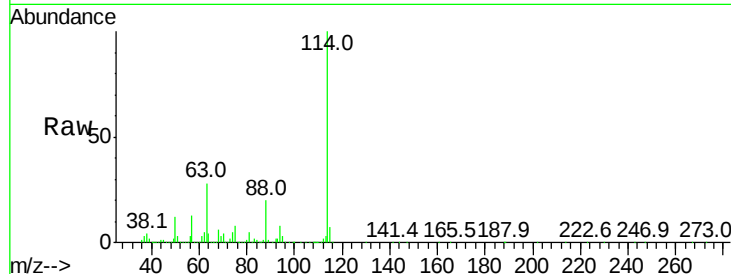




#30
Cyclohexane
Concen: 0.083 ppbv
RT: 7.33 min Scan# 1943
Delta R.T. 0.03 min
Lab File: VL032417.D
Acq: 21 Aug 2018 10:14

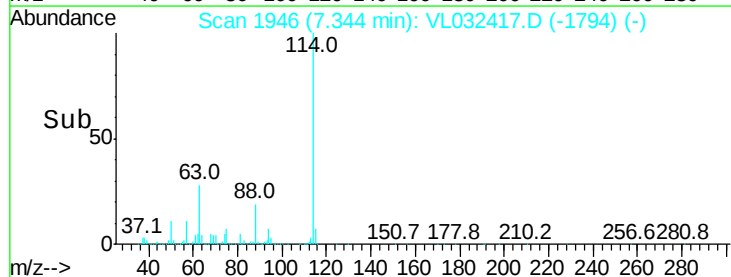
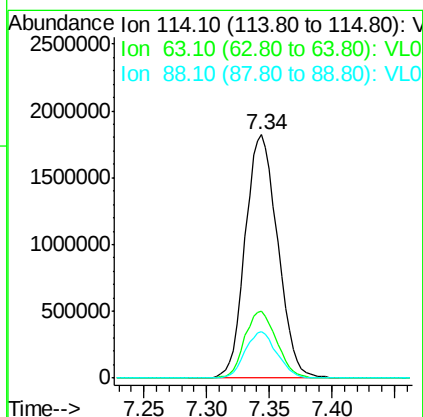
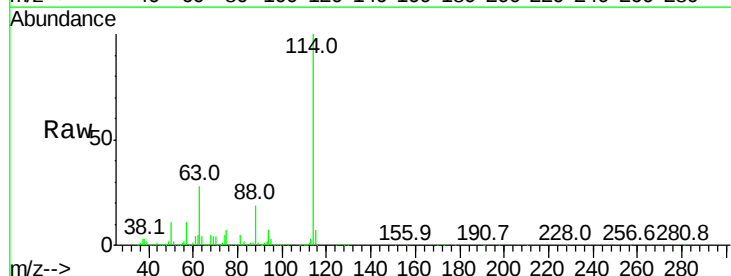
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

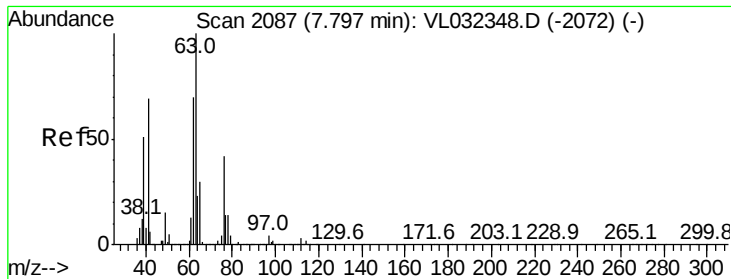
Tgt Ion: 84 Resp: 9535
Ion Ratio Lower Upper
84 100
56 0.0 115.7 173.5#
41 18.3 67.9 101.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.34 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VL032417.D
Acq: 21 Aug 2018 10:14

Tgt Ion: 114 Resp: 3278135
Ion Ratio Lower Upper
114 100
63 27.5 22.0 33.0
88 18.8 15.3 22.9





#39

1,2-Dichloropropane

Concen: 7.721 ppbv

RT: 7.34 min Scan# 1946

Delta R.T. -0.45 min

Lab File: VL032417.D

Acq: 21 Aug 2018 10:14

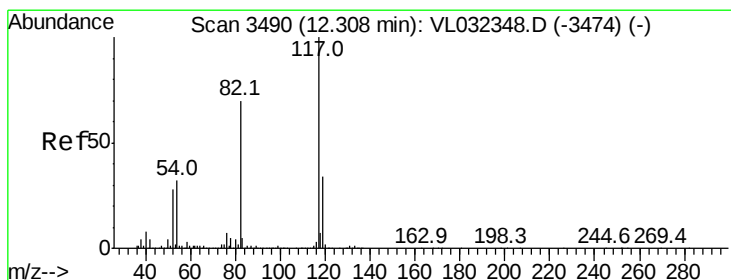
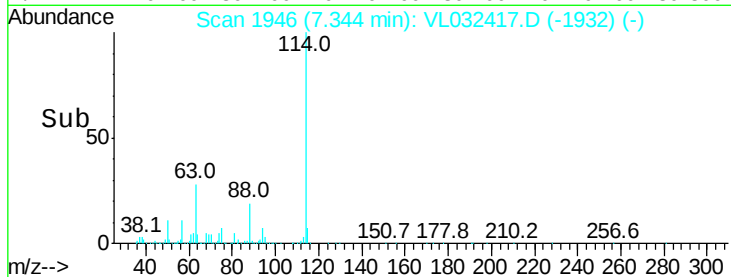
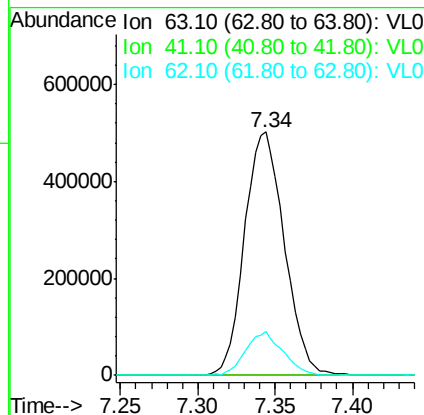
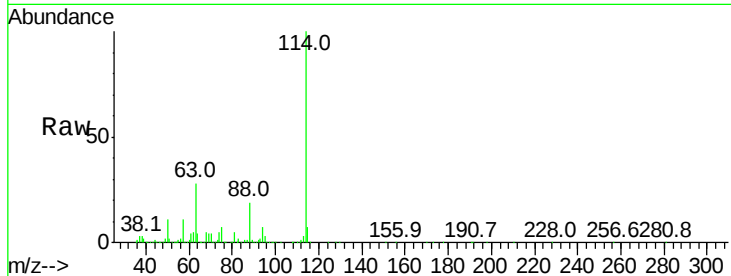
Instrument :

MSVOA_L

ClientSampleId :

QA1DL

Tgt Ion:	63	Resp:	896360
Ion	Ratio	Lower	Upper
63	100		
41	0.1	55.5	83.3#
62	17.8	56.3	84.5#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

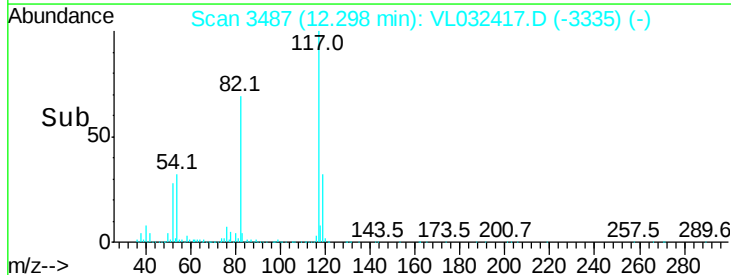
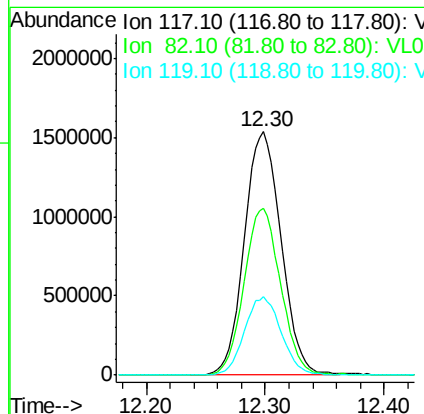
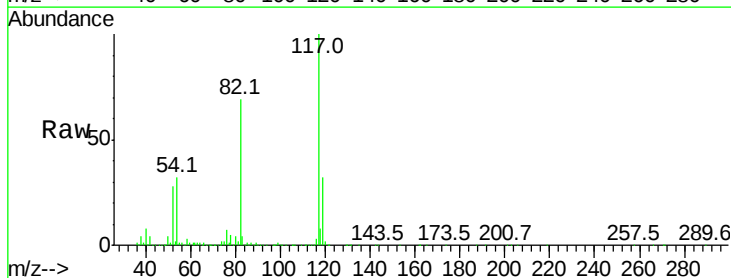
RT: 12.30 min Scan# 3487

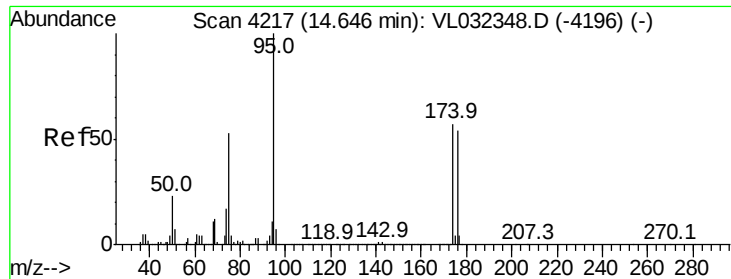
Delta R.T. -0.01 min

Lab File: VL032417.D

Acq: 21 Aug 2018 10:14

Tgt Ion:	117	Resp:	3291890
Ion	Ratio	Lower	Upper
117	100		
82	68.6	55.1	82.7
119	32.4	46.0	69.0#

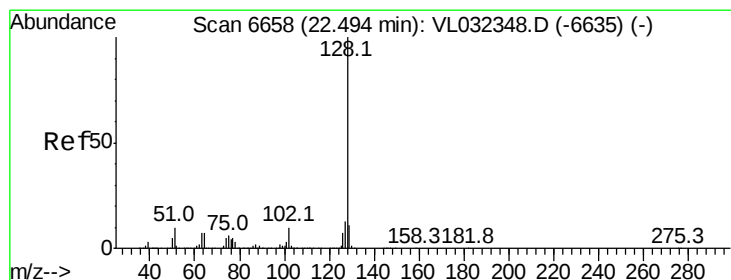
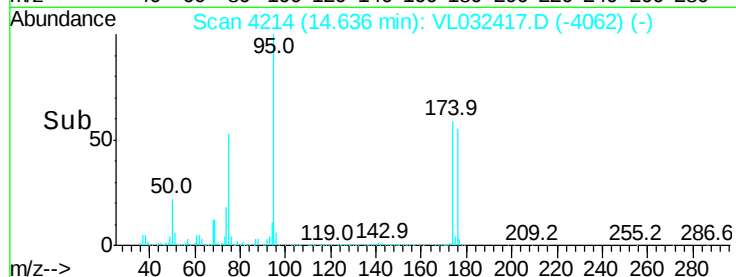
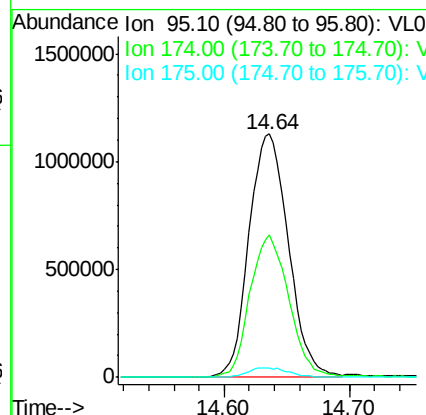
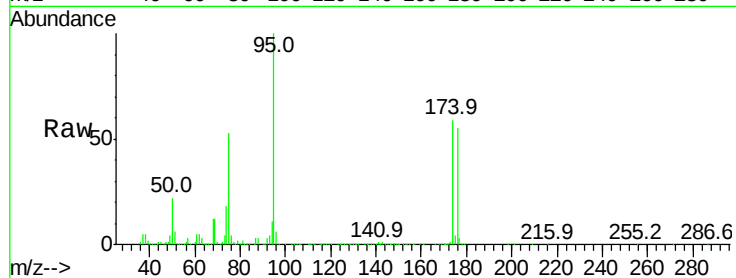




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.832 ppbv
 RT: 14.64 min Scan# 4214
 Delta R.T. -0.01 min
 Lab File: VL032417.D
 Acq: 21 Aug 2018 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Tgt Ion: 95 Resp: 2469283
 Ion Ratio Lower Upper
 95 100
 174 58.5 46.2 69.4
 175 4.0 3.4 5.0



#79
 Naphthalene
 Concen: 0.328 ppbv
 RT: 22.48 min Scan# 6655
 Delta R.T. -0.01 min
 Lab File: VL032417.D
 Acq: 21 Aug 2018 10:14

Tgt Ion: 128 Resp: 358
 Ion Ratio Lower Upper
 128 100
 127 100.0 10.3 15.5#
 129 0.0 8.6 13.0#

