

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
 Data File : VL032486.D
 Acq On : 10 Sep 2018 20:04
 Operator : SY/AP
 Sample : J4820-01DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 239-BERRYDL

Quant Time: Sep 11 01:11:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018
 QLast Update : Fri Aug 31 21:33:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1595009	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.33	114	3651478	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.28	117	3380322	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2598113	10.35	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.10	85	10273	0.050	ppbv #	81
3) Chlorodifluoromethane	3.04	51	8731	0.060	ppbv	94
4) Chloromethane	3.20	50	3588	0.041	ppbv	90
9) Propene	3.42	41	2219	0.038	ppbv	86
13) Ethanol	3.69	45	10038	0.553	ppbv #	39
15) Acetone	3.94	43	157501	1.097	ppbv	99
17) tert-Butyl alcohol	4.42	59	2516	0.114	ppbv #	100
20) Methylene Chloride	4.44	84	107415	1.961	ppbv	93
25) Ethyl Acetate	5.82	43	56130	0.165	ppbv #	81
26) Hexane	5.82	57	77171	0.508	ppbv #	42
29) Chloroform	5.88	83	38427	0.166	ppbv	98
34) 2-Butanone	5.38	43	7421	0.031	ppbv #	54
39) 1,2-Dichloropropane	7.33	63	990064	7.447	ppbv #	25

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL032486.D

Acq: 10 Sep 2018 20:04

Instrument :

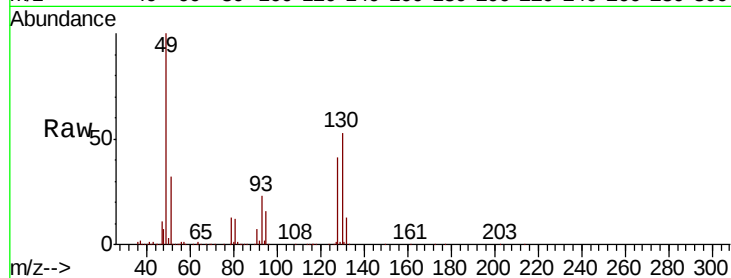
MSVOA_L

ClientSampleId :

239-BERRYDL

Tgt Ion: 49 Resp: 1595009

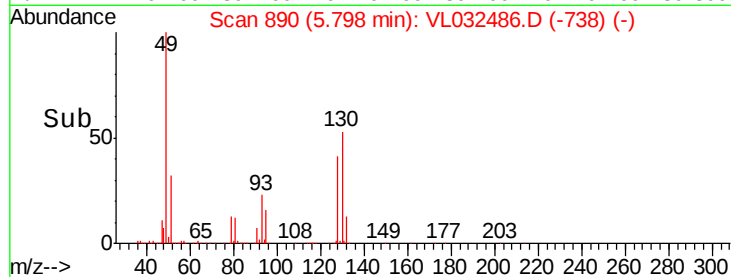
Ion	Ratio	Lower	Upper
49	100		
128	41.8	20.7	62.1
130	53.8	26.6	79.7



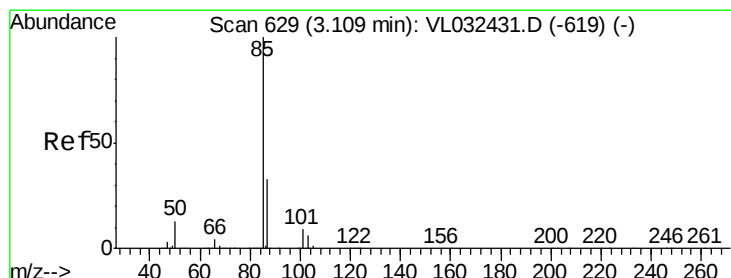
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 0.050 ppbv

RT: 3.10 min Scan# 52

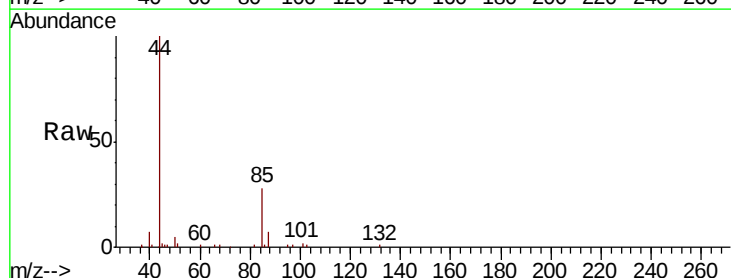
Delta R.T. -0.01 min

Lab File: VL032486.D

Acq: 10 Sep 2018 20:04

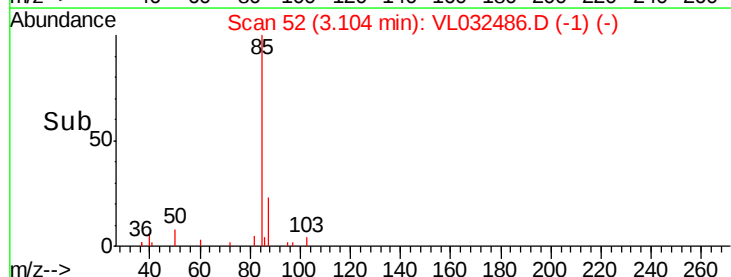
Tgt Ion: 85 Resp: 10273

Ion	Ratio	Lower	Upper
85	100		
87	22.3	26.2	39.4

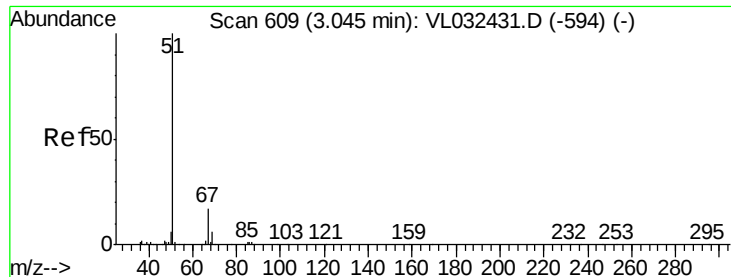


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 0.060 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.01 min

Lab File: VL032486.D

Acq: 10 Sep 2018 20:04

Instrument :

MSVOA_L

ClientSampleId :

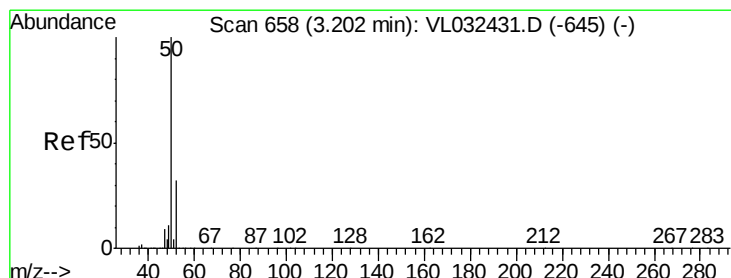
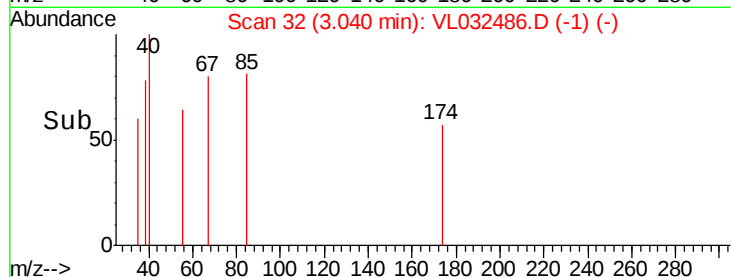
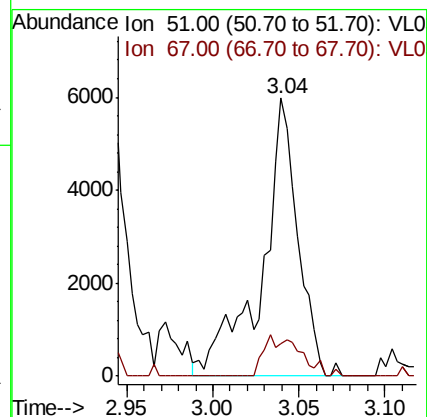
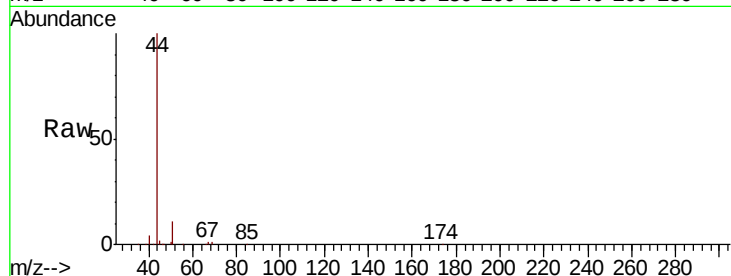
239-BERRYDL

Tgt Ion: 51 Resp: 8731

Ion Ratio Lower Upper

51 100

67 14.6 13.8 20.8



#4

Chloromethane

Concen: 0.041 ppbv

RT: 3.20 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL032486.D

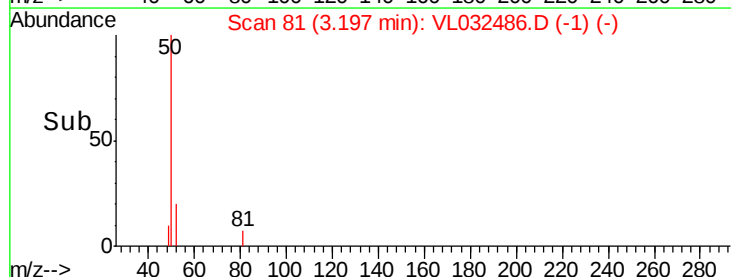
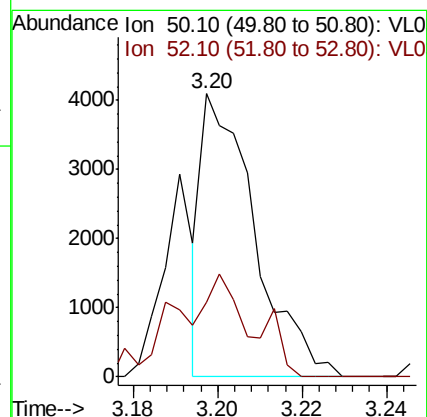
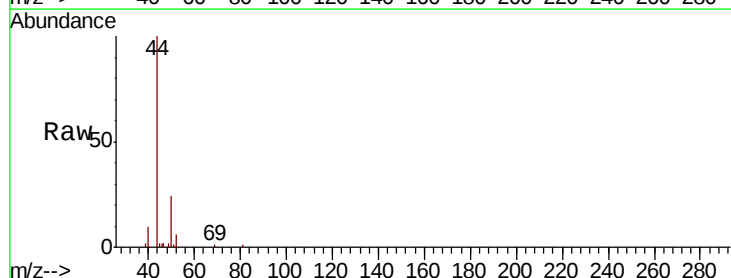
Acq: 10 Sep 2018 20:04

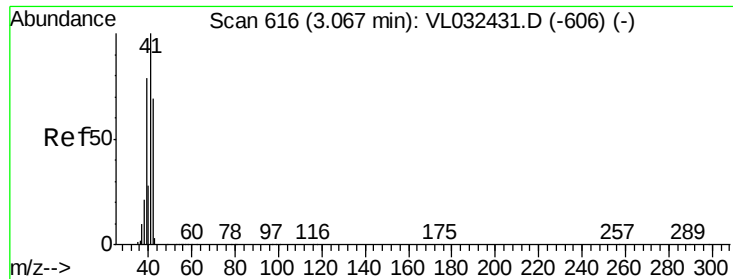
Tgt Ion: 50 Resp: 3588

Ion Ratio Lower Upper

50 100

52 26.5 25.6 38.4





#9

Propene

Concen: 0.038 ppbv

RT: 3.42 min Scan# 151

Delta R.T. 0.35 min

Lab File: VL032486.D

Acq: 10 Sep 2018 20:04

Instrument :

MSVOA_L

ClientSampleId :

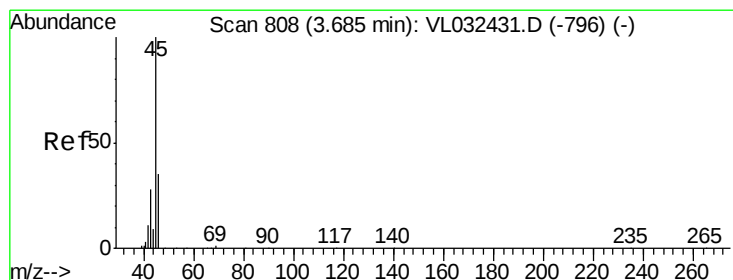
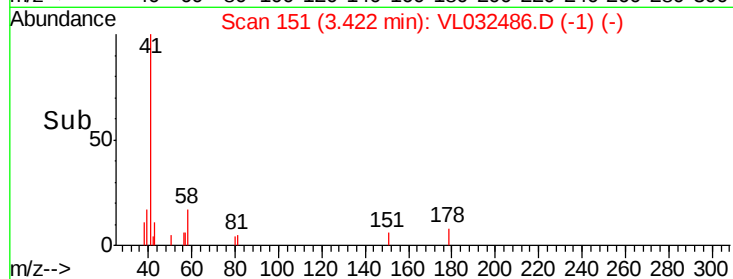
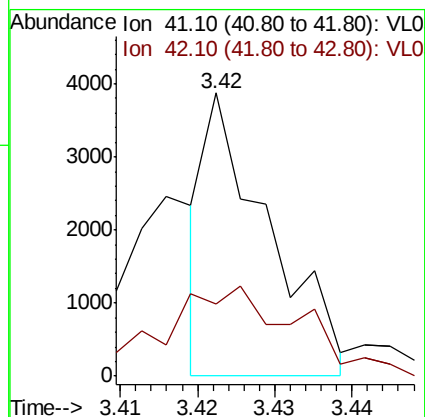
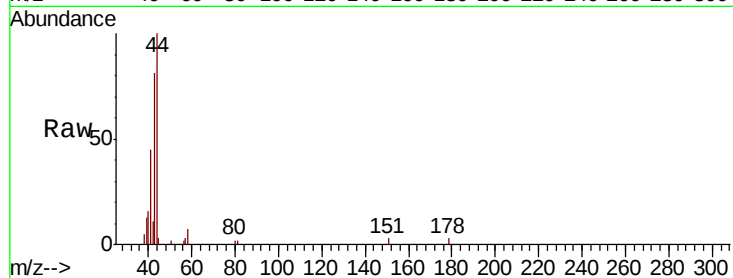
239-BERRYDL

Tgt Ion: 41 Resp: 2219

Ion Ratio Lower Upper

41 100

42 82.0 56.6 84.8



#13

Ethanol

Concen: 0.553 ppbv

RT: 3.69 min Scan# 234

Delta R.T. 0.00 min

Lab File: VL032486.D

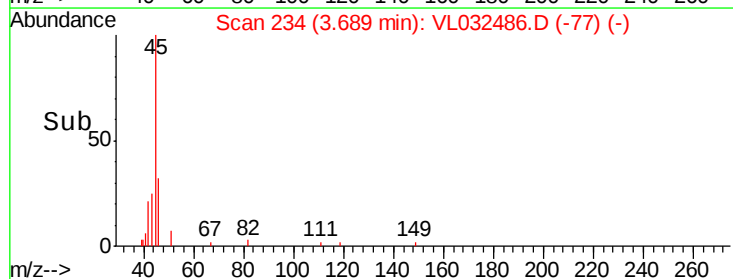
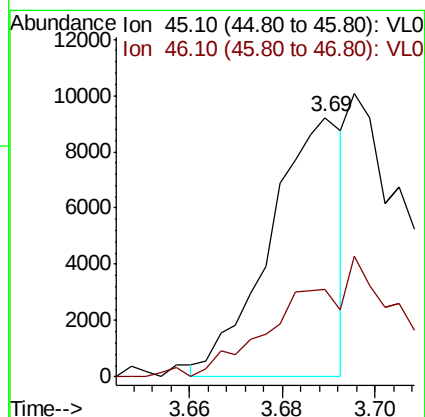
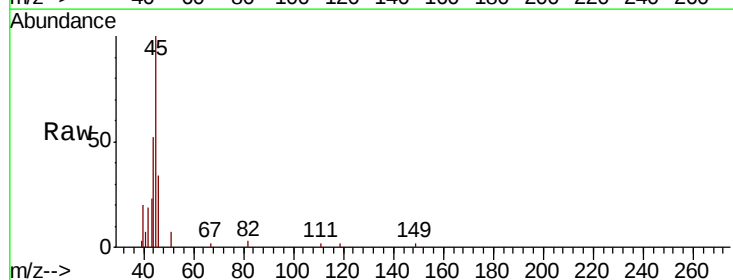
Acq: 10 Sep 2018 20:04

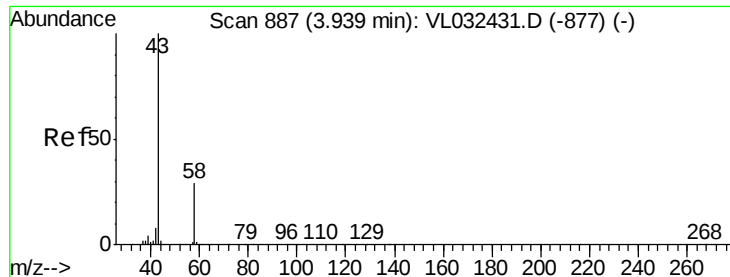
Tgt Ion: 45 Resp: 10038

Ion Ratio Lower Upper

45 100

46 0.0 14.2 56.8#





#15

Acetone

Concen: 1.097 ppbv

RT: 3.94 min Scan# 312

Delta R.T. 0.00 min

Lab File: VL032486.D

Acq: 10 Sep 2018 20:04

Instrument :

MSVOA_L

ClientSampleId :

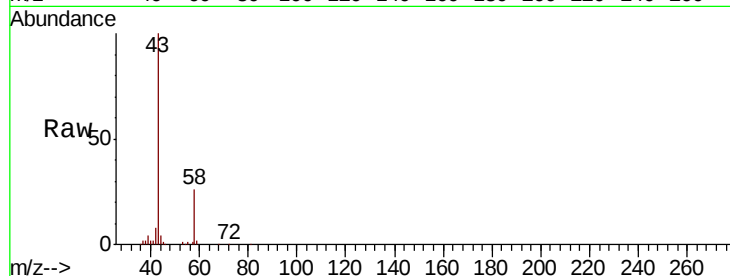
239-BERRYDL

Tgt Ion: 43 Resp: 157501

Ion Ratio Lower Upper

43 100

58 27.9 22.6 33.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

120000

100000

80000

60000

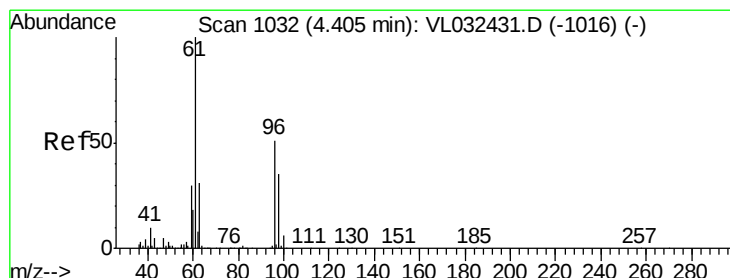
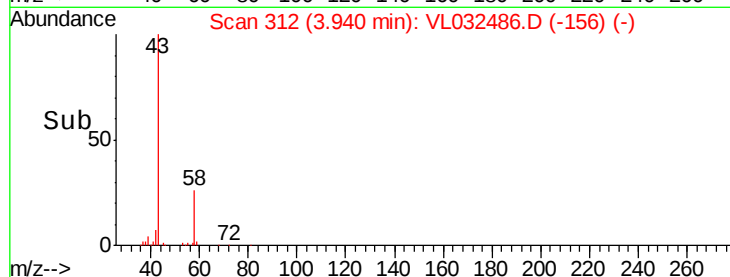
40000

20000

0

Time-->

3.90 3.95 4.00



#17

tert-Butyl alcohol

Concen: 0.114 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.01 min

Lab File: VL032486.D

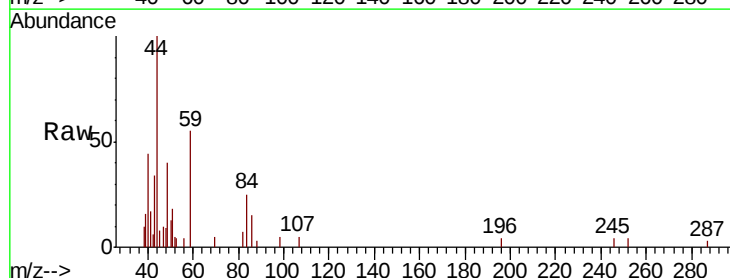
Acq: 10 Sep 2018 20:04

Tgt Ion: 59 Resp: 2516

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.42

3000

2500

2000

1500

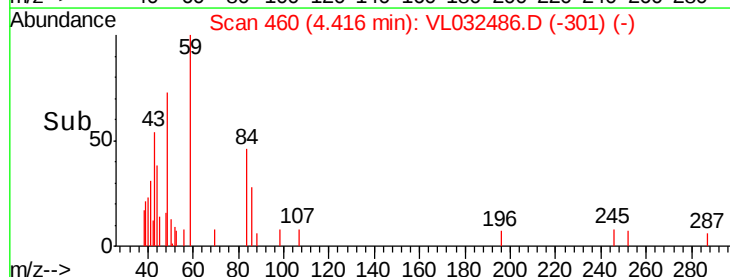
1000

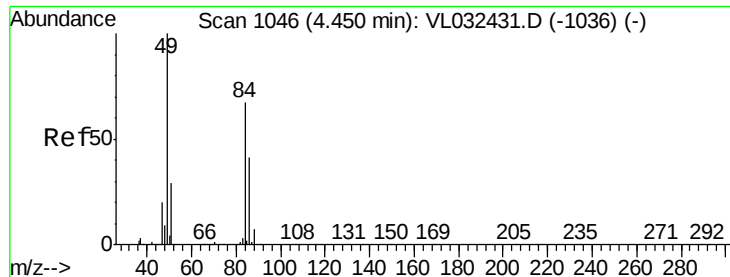
500

0

Time-->

4.38 4.40 4.42

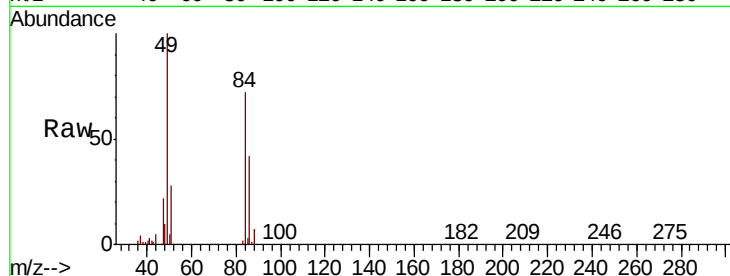




#20
Methylene Chloride
Concen: 1.961 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL032486.D
Acq: 10 Sep 2018 20:04

Instrument :
MSVOA_L
ClientSampleId :
239-BERRYDL

Tgt Ion:	84	Resp:	107415
Ion	Ratio	Lower	Upper
84	100		
49	139.1	119.1	178.7
51	38.7	35.2	52.8
86	59.1	49.4	74.2



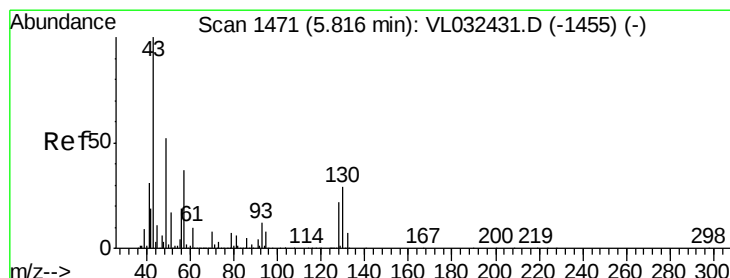
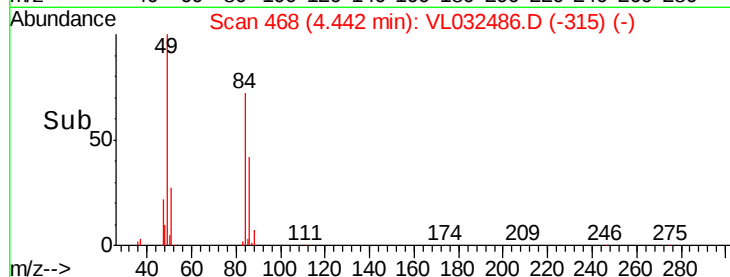
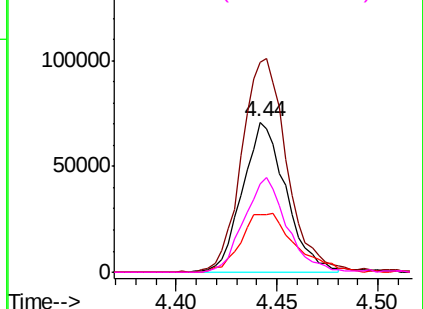
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

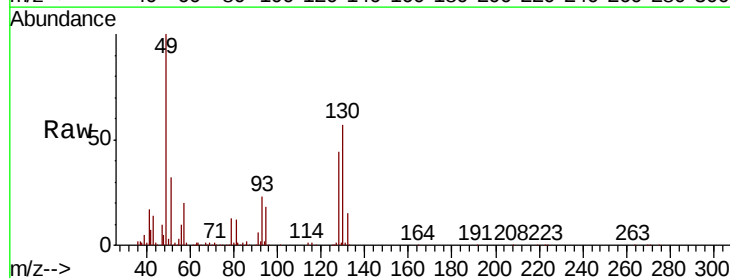
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#25
Ethyl Acetate
Concen: 0.165 ppbv
RT: 5.82 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL032486.D
Acq: 10 Sep 2018 20:04

Tgt Ion:	43	Resp:	56130
Ion	Ratio	Lower	Upper
43	100		
45	3.4	8.0	12.0#
61	0.7	7.6	11.4#
70	2.1	5.8	8.8#



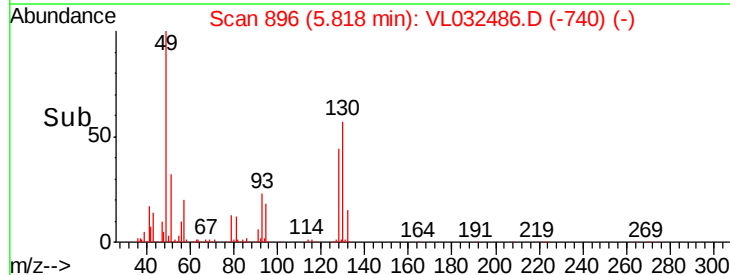
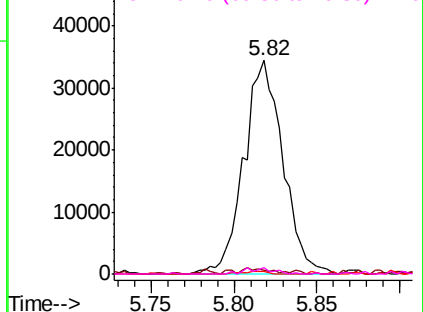
Abundance

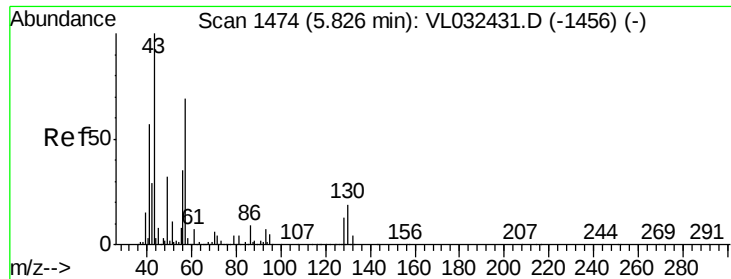
Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

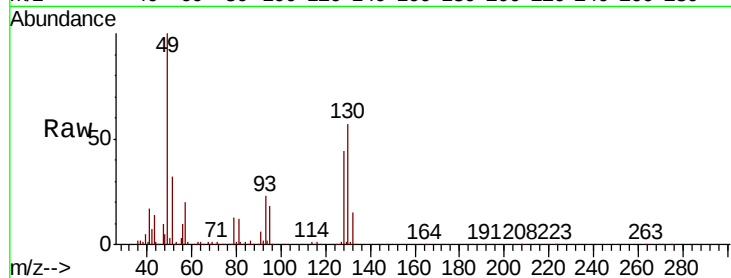




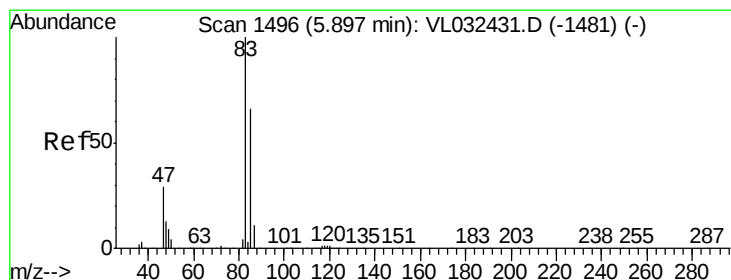
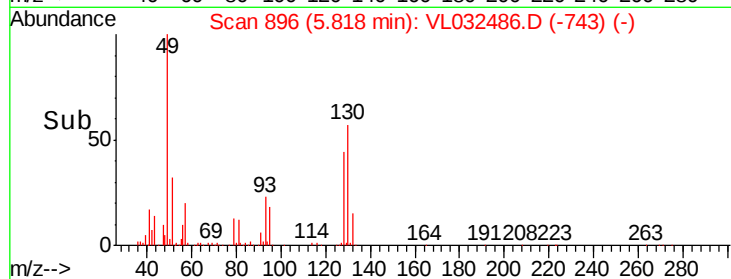
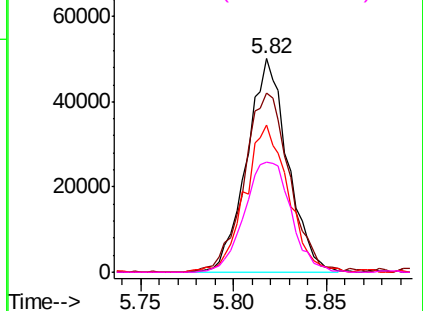
#26
Hexane
Concen: 0.508 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL032486.D
Acq: 10 Sep 2018 20:04

Instrument :
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ClientSampleId :
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Tgt Ion: 57 Resp: 77171
Ion Ratio Lower Upper
57 100
41 93.4 69.0 103.4
43 73.4 172.1 258.1#
56 58.8 42.2 63.2

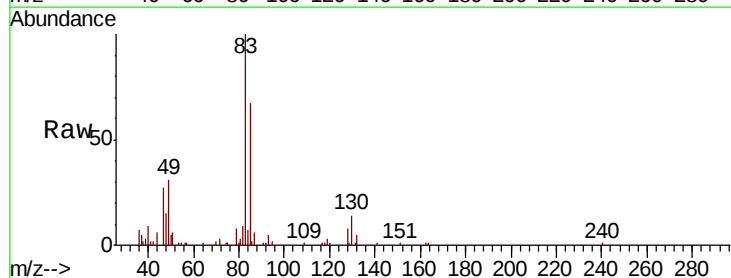


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

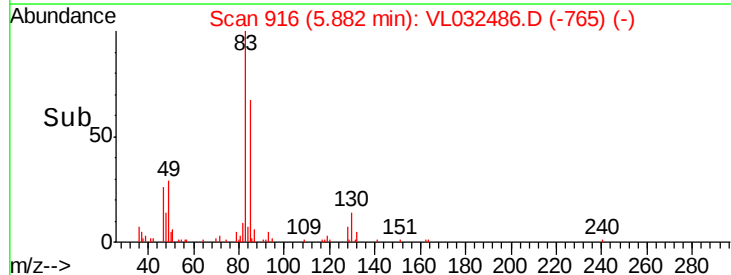
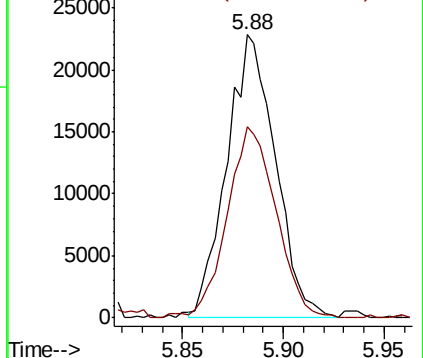


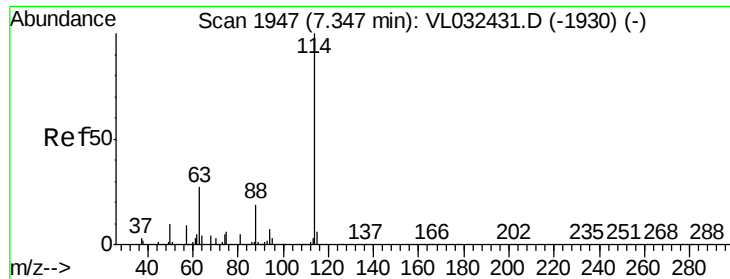
#29
Chloroform
Concen: 0.166 ppbv
RT: 5.88 min Scan# 916
Delta R.T. -0.01 min
Lab File: VL032486.D
Acq: 10 Sep 2018 20:04

Tgt Ion: 83 Resp: 38427
Ion Ratio Lower Upper
83 100
85 67.4 52.5 78.7



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

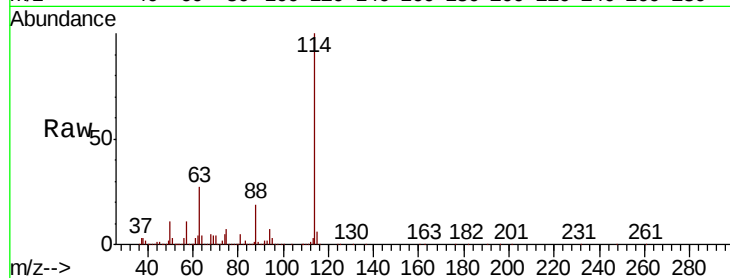




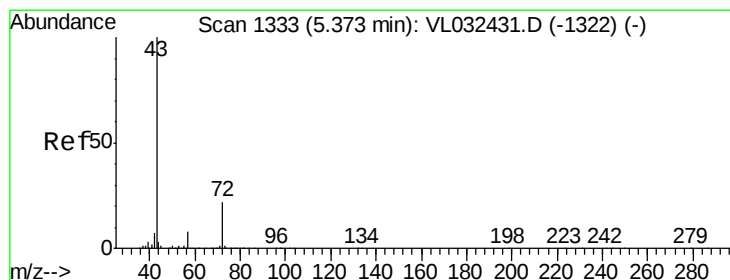
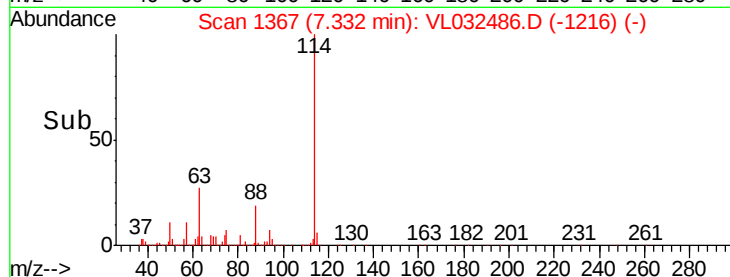
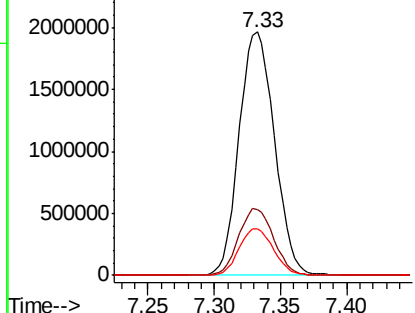
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.33 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VL032486.D
 Acq: 10 Sep 2018 20:04

Instrument :
 MSVOA_L
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Tgt Ion: 114 Resp: 3651478
 Ion Ratio Lower Upper
 114 100
 63 27.3 22.2 33.4
 88 18.8 15.0 22.4

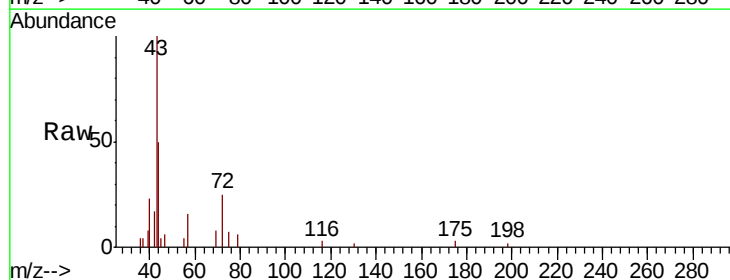


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

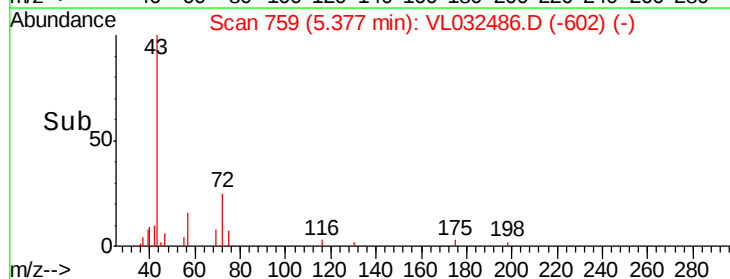
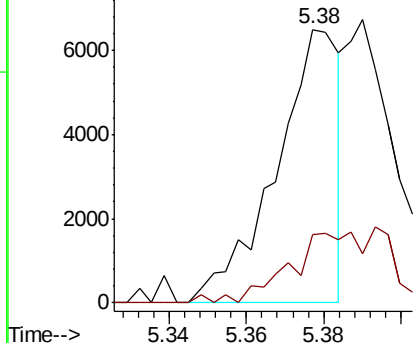


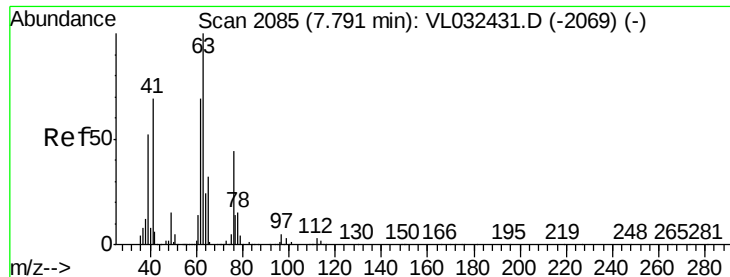
#34
 2-Butanone
 Concen: 0.031 ppbv
 RT: 5.38 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VL032486.D
 Acq: 10 Sep 2018 20:04

Tgt Ion: 43 Resp: 7421
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.8 26.6#



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





#39

1,2-Dichloropropane

Concen: 7.447 ppbv

RT: 7.33 min Scan# 1366

Delta R.T. -0.46 min

Lab File: VL032486.D

Acq: 10 Sep 2018 20:04

Instrument :

MSVOA_L

ClientSampleId :

239-BERRYDL

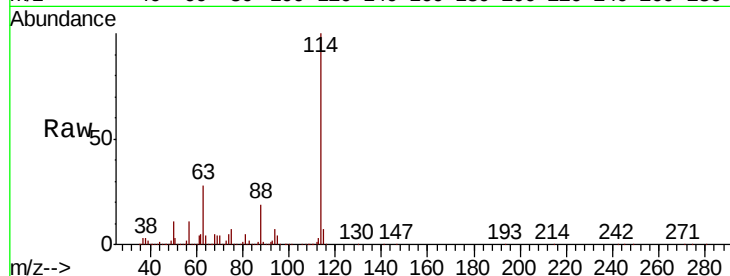
Tgt Ion: 63 Resp: 990064

Ion Ratio Lower Upper

63 100

41 0.0 55.4 83.0#

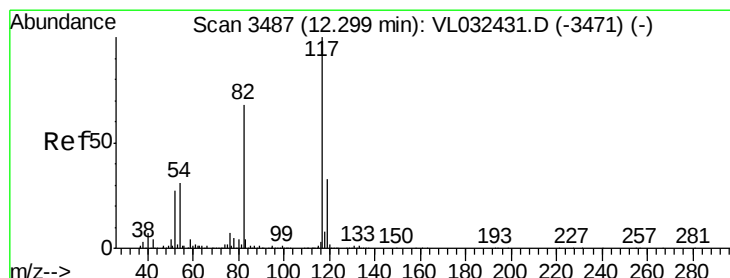
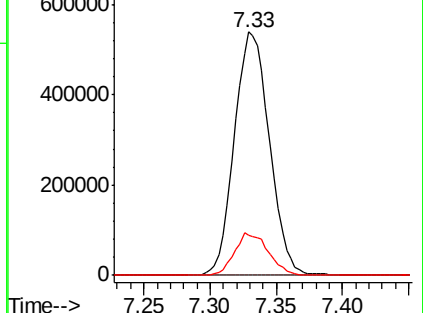
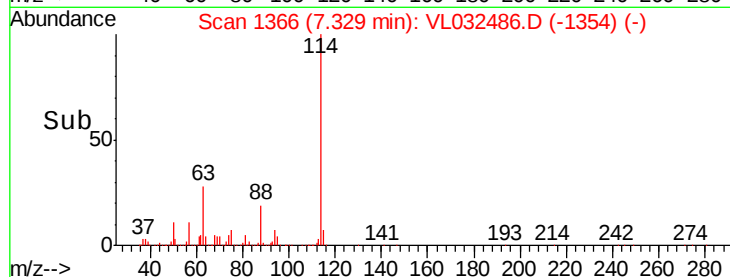
62 16.5 55.4 83.0#



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: 12.28 min Scan# 2907

Delta R.T. -0.01 min

Lab File: VL032486.D

Acq: 10 Sep 2018 20:04

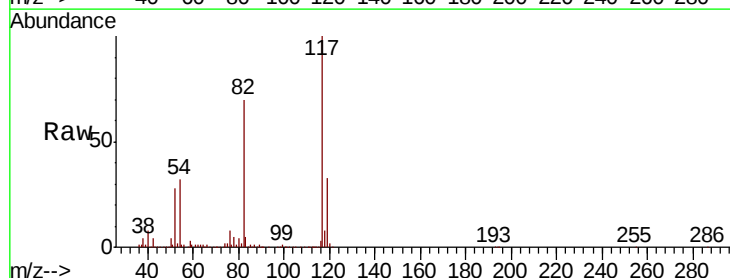
Tgt Ion: 117 Resp: 3380322

Ion Ratio Lower Upper

117 100

82 68.2 53.0 79.6

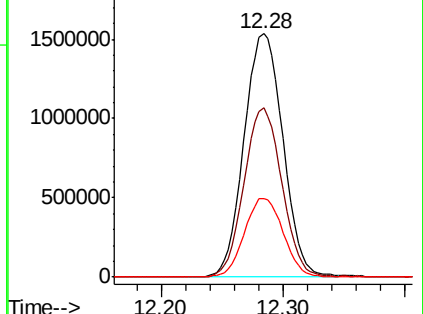
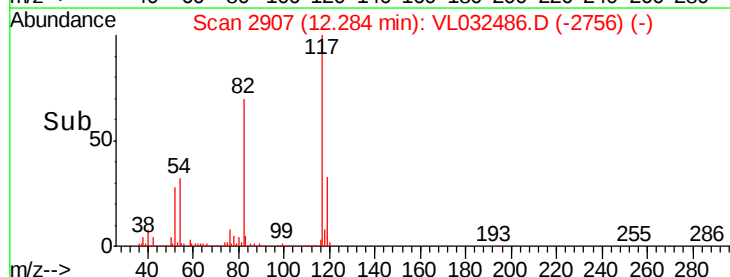
119 32.4 45.9 68.9#

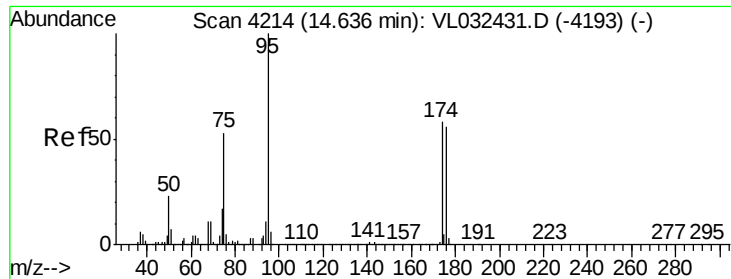


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

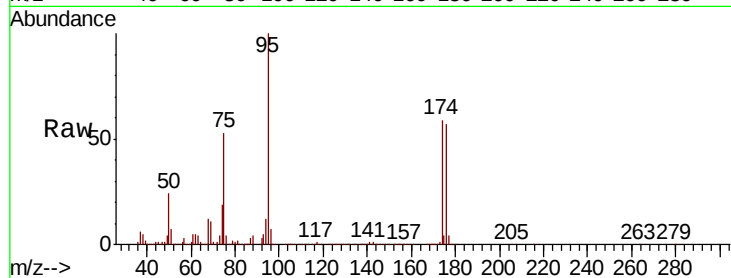




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.353 ppbv
 RT: 14.62 min Scan# 3634
 Delta R.T. -0.01 min
 Lab File: VL032486.D
 Acq: 10 Sep 2018 20:04

Instrument :
 MSVOA_L
 ClientSampleId :
 239-BERRYDL

Tgt Ion: 95 Resp: 2598113
 Ion Ratio Lower Upper
 95 100
 174 58.1 46.3 69.5
 175 4.2 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

