

Data File : VL033971.D
Acq On : 26 Jun 2019 17:21
Operator : SY/AP
Sample : K3538-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIRDL

Quant Time: Jun 27 01:23:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	760460	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.26	114	1770371	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.21	117	1731096	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.55	95	1435662	10.10	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

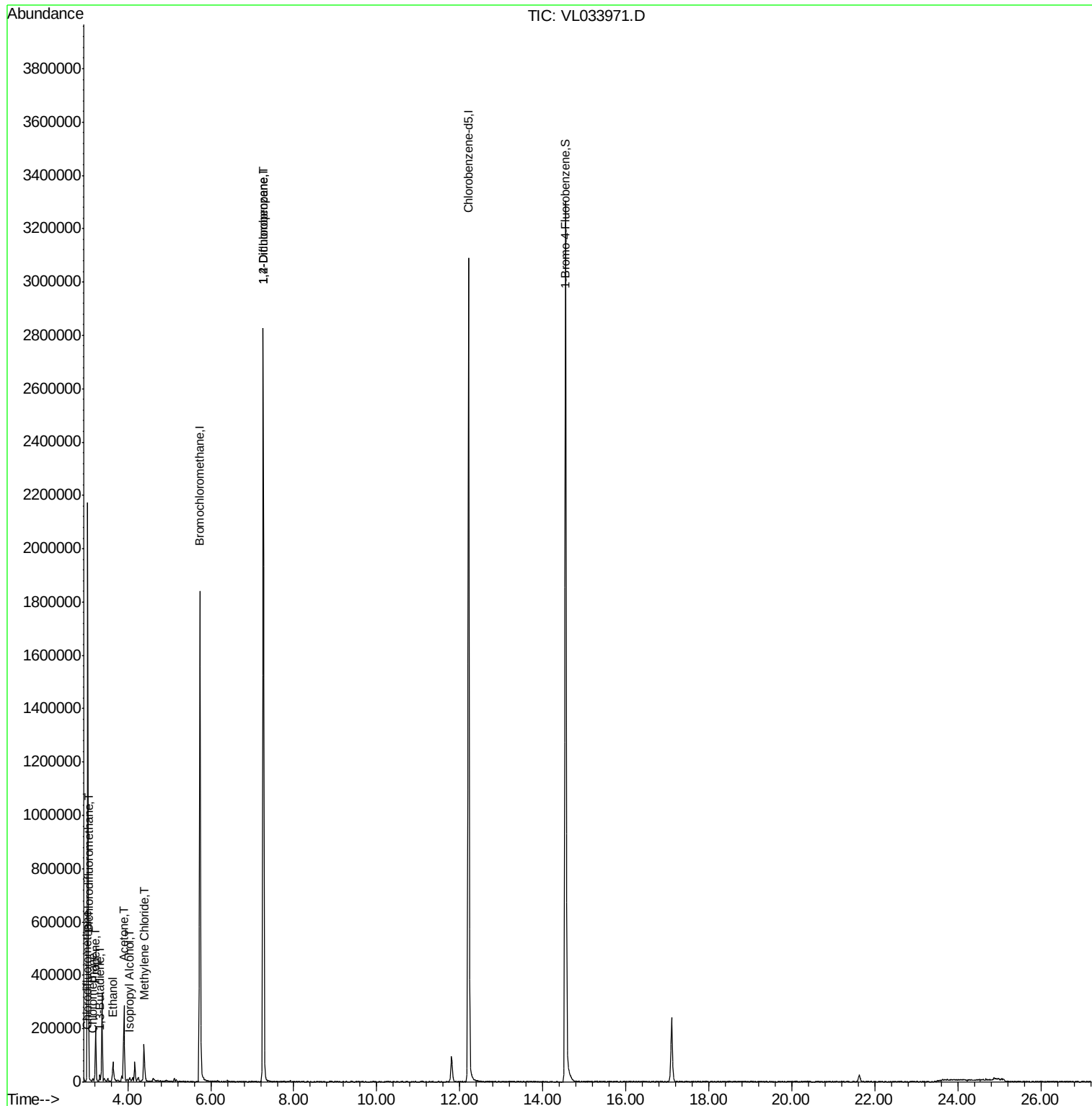
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	7612	0.062	ppbv	96
3) Chlorodifluoromethane	3.00	51	5416	0.060	ppbv	99
4) Chloromethane	3.16	50	7362	0.144	ppbv #	87
9) Propene	3.22	41	51045	1.524	ppbv	93
13) Ethanol	3.64	45	60727	5.572	ppbv	92
15) Acetone	3.90	43	63430	0.572	ppbv #	81
16) 1,3-Butadiene	3.32	39	7072	0.168	ppbv #	14
19) Isopropyl Alcohol	4.04	45	3341	0.053	ppbv #	94
20) Methylene Chloride	4.39	84	45499	1.052	ppbv	92
39) 1,2-Dichloropropane	7.26	63	474209	9.085	ppbv #	25

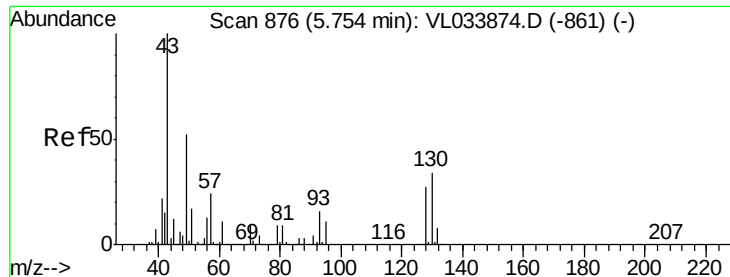
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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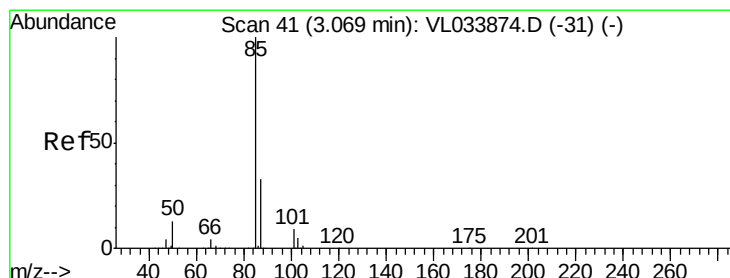
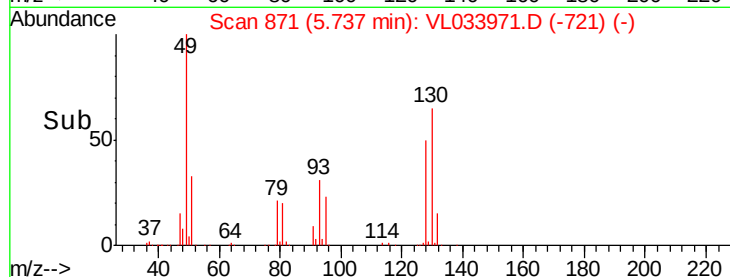
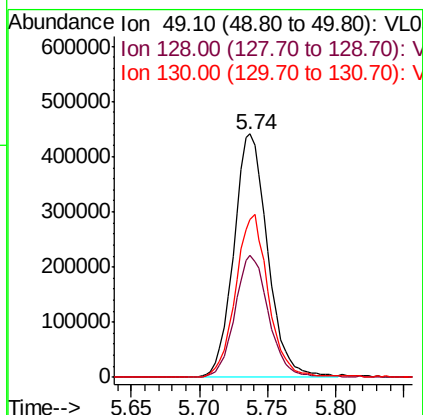
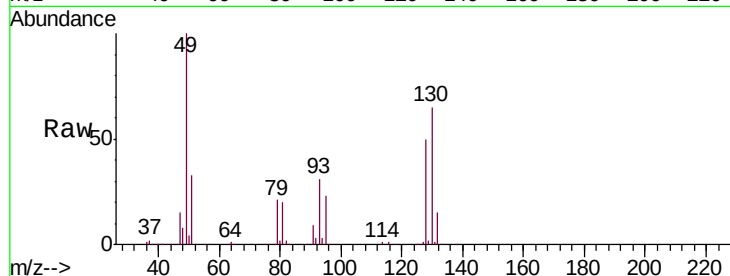




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.74 min Scan# 871
 Delta R.T. -0.02 min
 Lab File: VL033971.D
 Acq: 26 Jun 2019 17:21

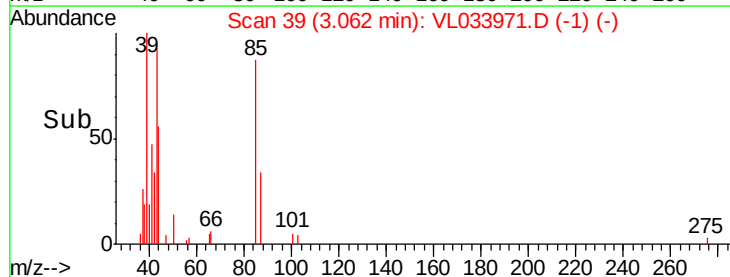
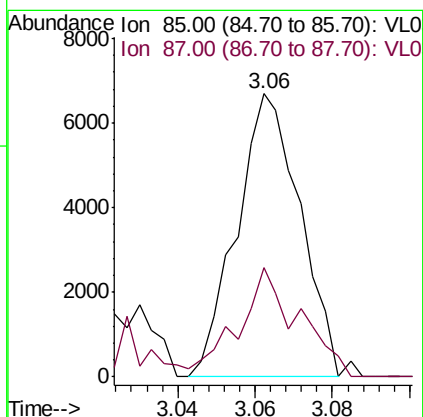
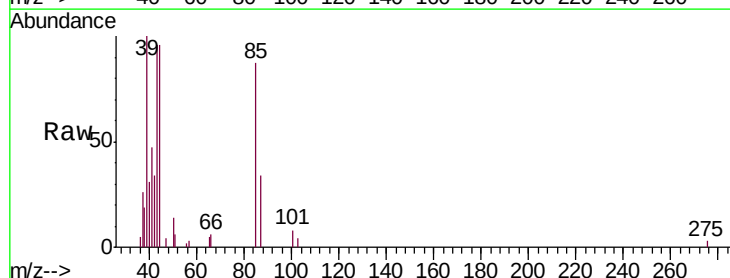
Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR-AIRDL

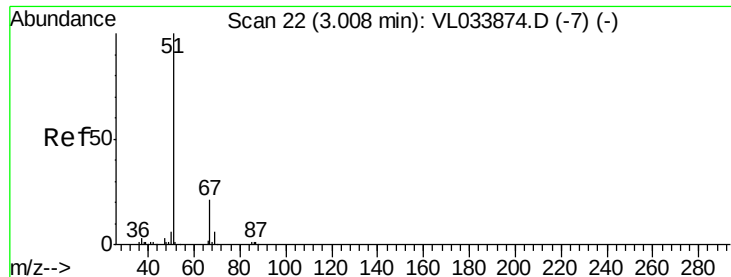
Tgt Ion: 49 Resp: 760460
 Ion Ratio Lower Upper
 49 100
 128 50.0 25.5 76.5
 130 65.5 32.5 97.4



#2
 Dichlorodifluoromethane
 Concen: 0.062 ppbv
 RT: 3.06 min Scan# 39
 Delta R.T. -0.01 min
 Lab File: VL033971.D
 Acq: 26 Jun 2019 17:21

Tgt Ion: 85 Resp: 7612
 Ion Ratio Lower Upper
 85 100
 87 35.4 26.6 40.0

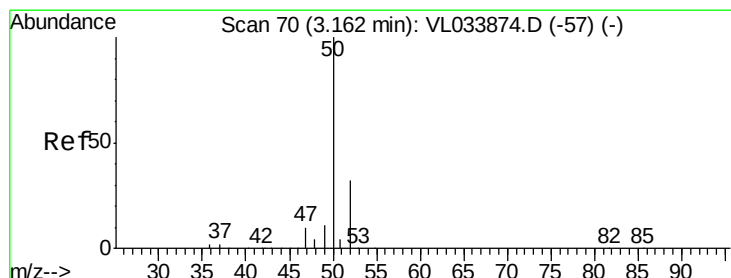
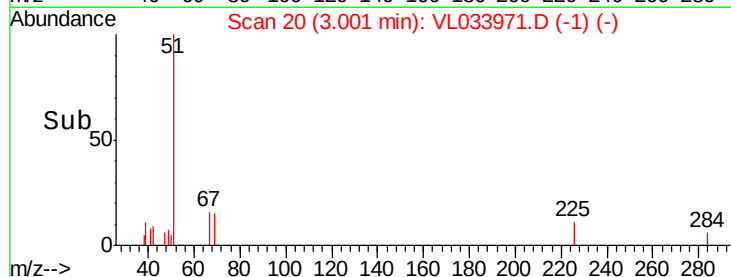
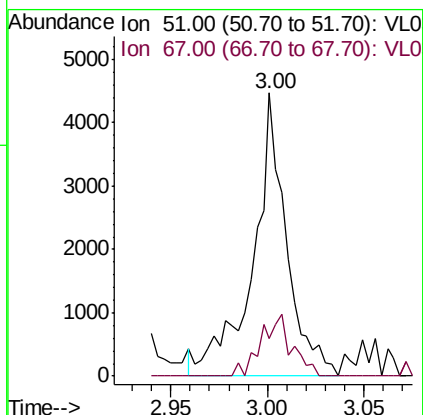
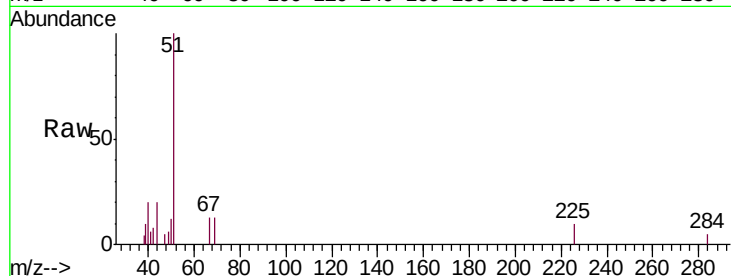




#3
Chlorodifluoromethane
Concen: 0.060 ppbv
RT: 3.00 min Scan# 20
Delta R.T. -0.01 min
Lab File: VL033971.D
Acq: 26 Jun 2019 17:21

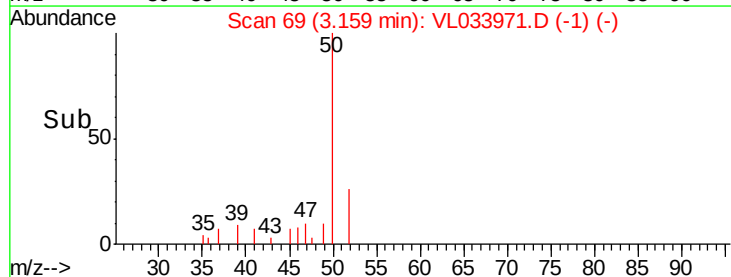
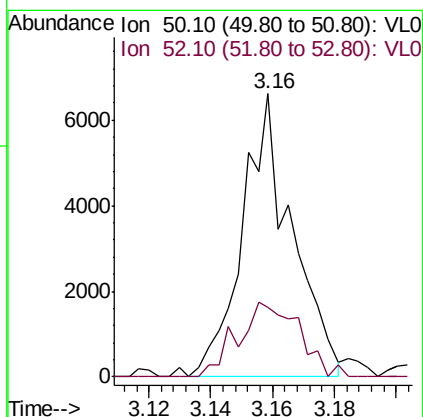
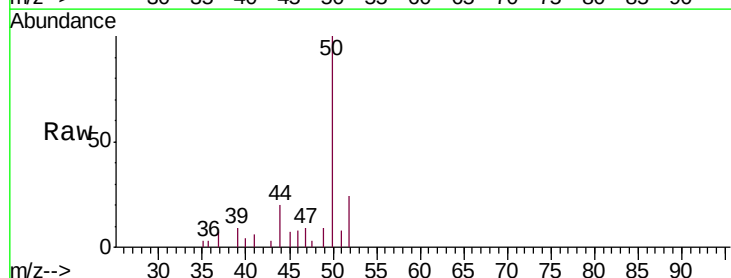
Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIRDL

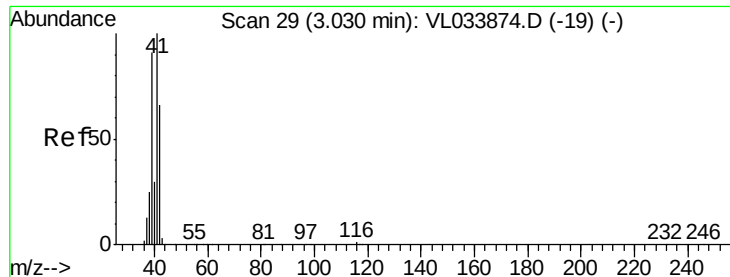
Tgt Ion: 51 Resp: 5416
Ion Ratio Lower Upper
51 100
67 19.9 16.4 24.6



#4
Chloromethane
Concen: 0.144 ppbv
RT: 3.16 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL033971.D
Acq: 26 Jun 2019 17:21

Tgt Ion: 50 Resp: 7362
Ion Ratio Lower Upper
50 100
52 24.4 25.4 38.0#





#9

Propene

Concen: 1.524 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.19 min

Lab File: VL033971.D

Acq: 26 Jun 2019 17:21

Instrument :

MSVOA_L

ClientSampleId :

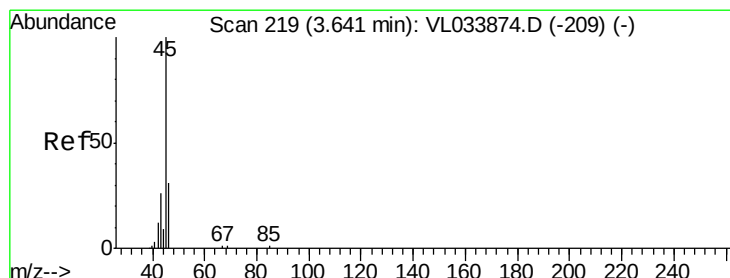
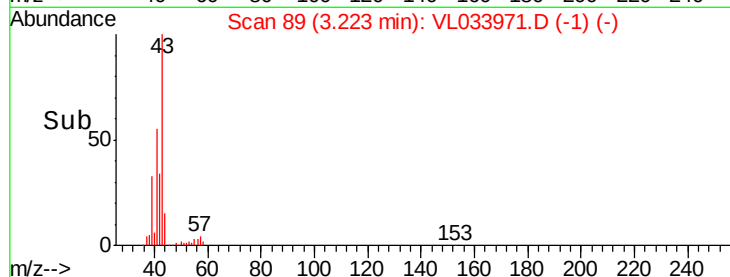
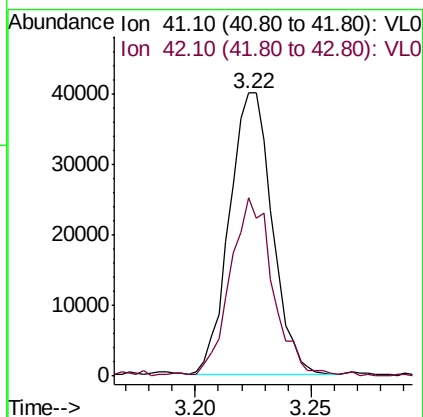
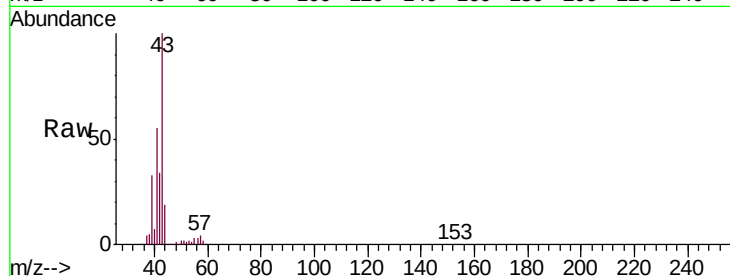
INDOOR-AIRDL

Tgt Ion: 41 Resp: 51045

Ion Ratio Lower Upper

41 100

42 64.5 56.3 84.5



#13

Ethanol

Concen: 5.572 ppbv

RT: 3.64 min Scan# 220

Delta R.T. 0.00 min

Lab File: VL033971.D

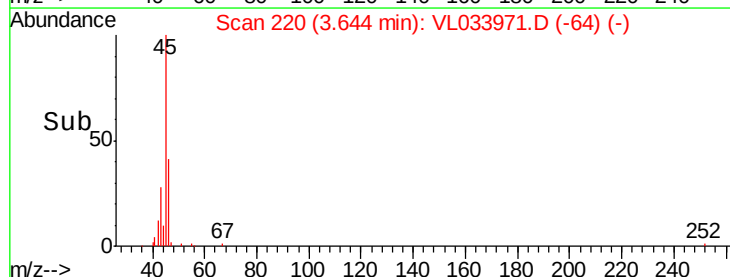
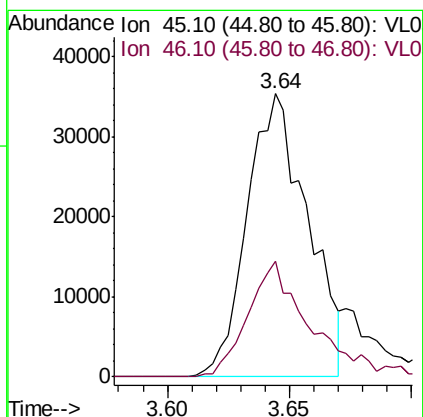
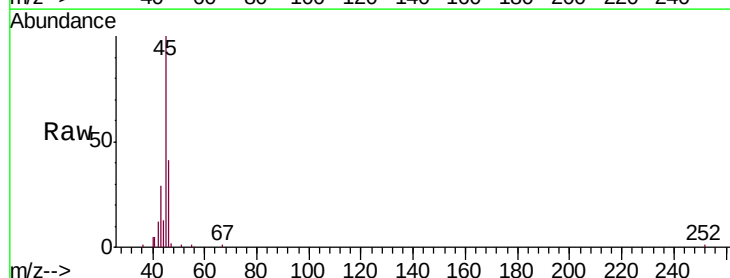
Acq: 26 Jun 2019 17:21

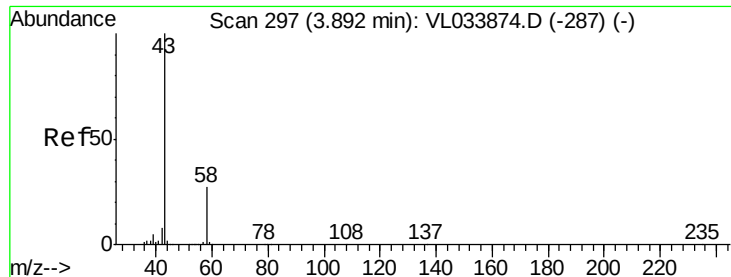
Tgt Ion: 45 Resp: 60727

Ion Ratio Lower Upper

45 100

46 43.2 15.3 61.1





#15

Acetone

Concen: 0.572 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL033971.D

Acq: 26 Jun 2019 17:21

Instrument :

MSVOA_L

ClientSampleId :

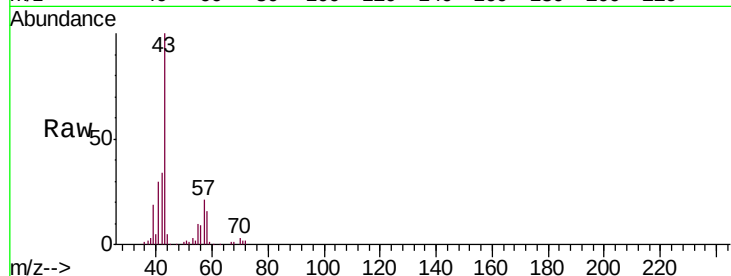
INDOOR-AIRDL

Tgt Ion: 43 Resp: 63430

Ion Ratio Lower Upper

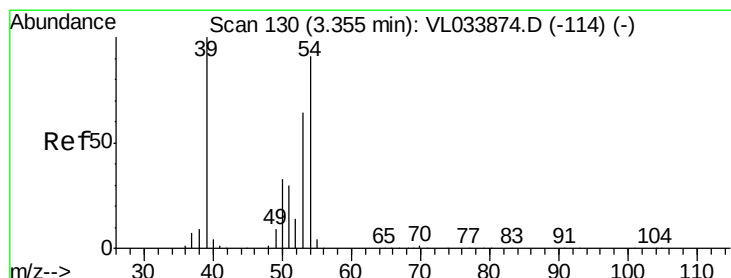
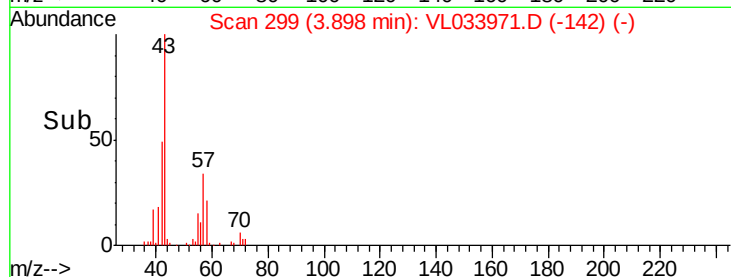
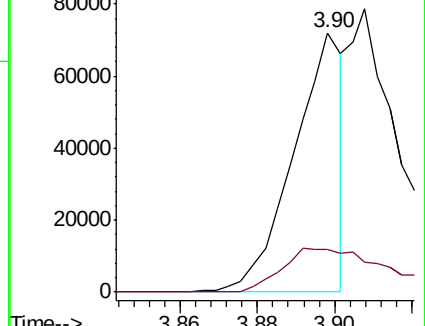
43 100

58 36.3 21.3 31.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.168 ppbv

RT: 3.32 min Scan# 120

Delta R.T. -0.03 min

Lab File: VL033971.D

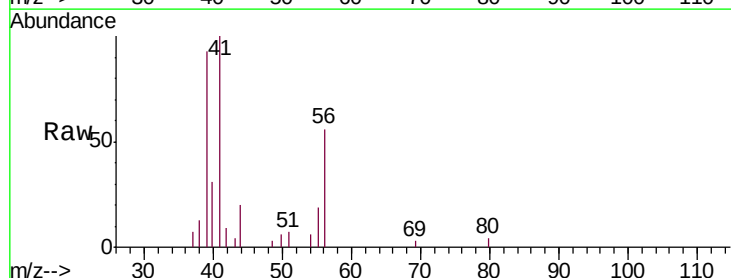
Acq: 26 Jun 2019 17:21

Tgt Ion: 39 Resp: 7072

Ion Ratio Lower Upper

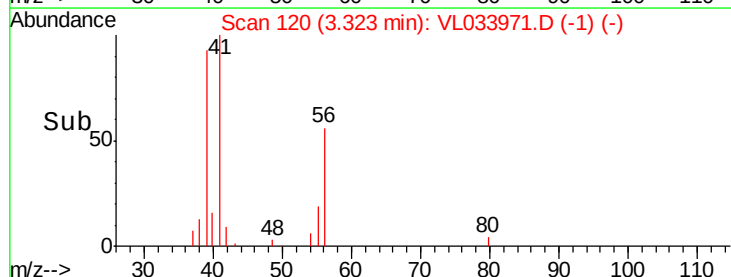
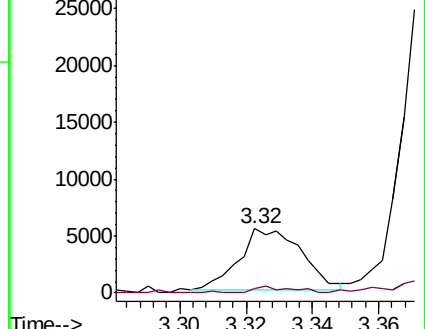
39 100

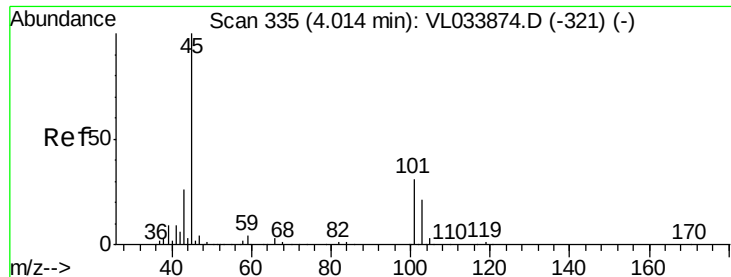
54 6.7 68.6 103.0#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#19

Isopropyl Alcohol

Concen: 0.053 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.02 min

Lab File: VL033971.D

Acq: 26 Jun 2019 17:21

Instrument :

MSVOA_L

ClientSampleId :

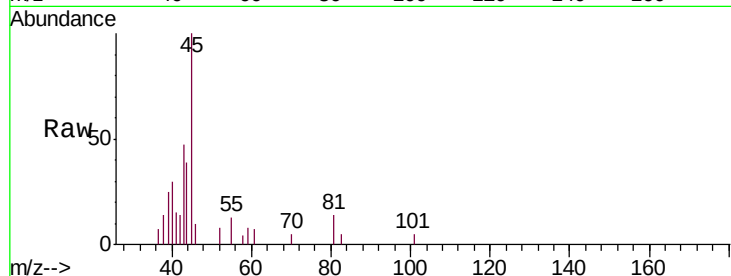
INDOOR-AIRDL

Tgt Ion: 45 Resp: 3341

Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

4000

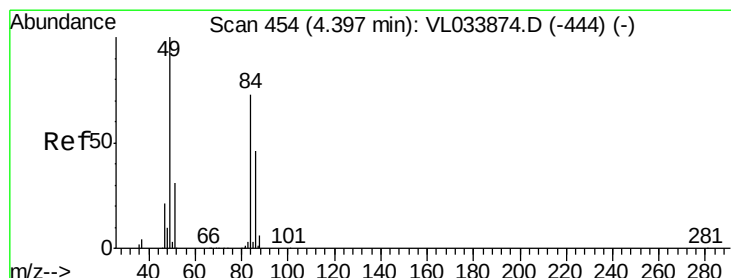
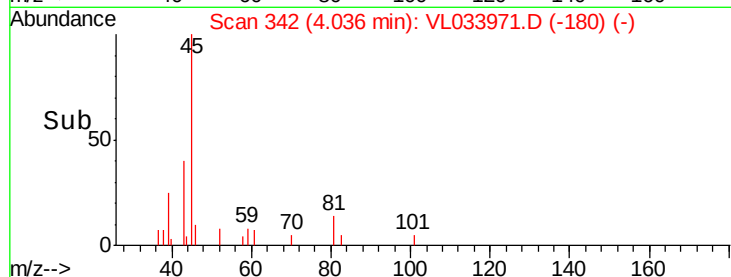
3000

2000

1000

0

Time-->



#20

Methylene Chloride

Concen: 1.052 ppbv

RT: 4.39 min Scan# 451

Delta R.T. -0.01 min

Lab File: VL033971.D

Acq: 26 Jun 2019 17:21

Tgt Ion: 84 Resp: 45499

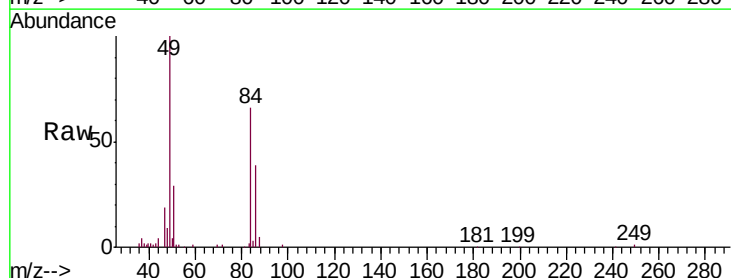
Ion Ratio Lower Upper

84 100

49 151.3 110.0 165.0

51 44.6 34.6 51.8

86 59.2 50.6 75.8



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

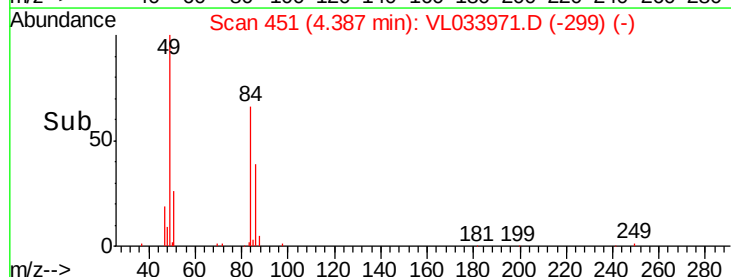
60000

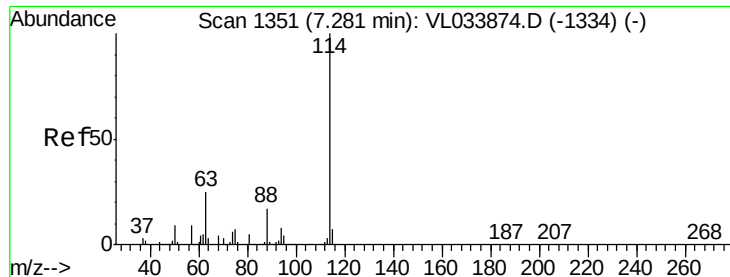
40000

20000

0

Time-->

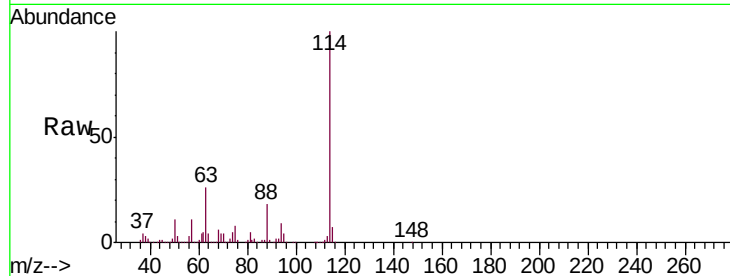




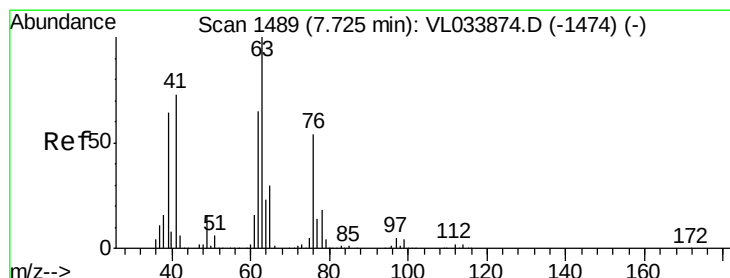
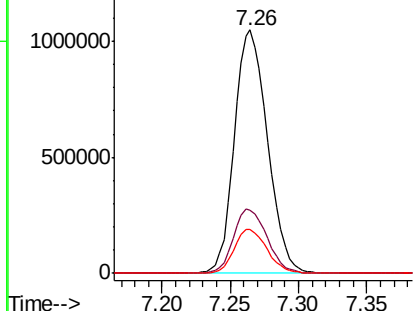
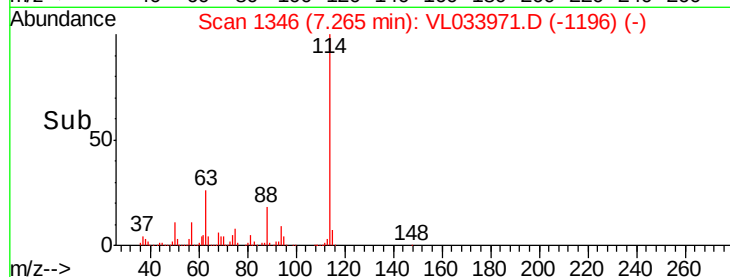
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1346
 Delta R.T. -0.02 min
 Lab File: VL033971.D
 Acq: 26 Jun 2019 17:21

Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR-AIRDL

Tgt Ion: 114 Resp: 1770371
 Ion Ratio Lower Upper
 114 100
 63 26.9 21.1 31.7
 88 18.1 14.2 21.4

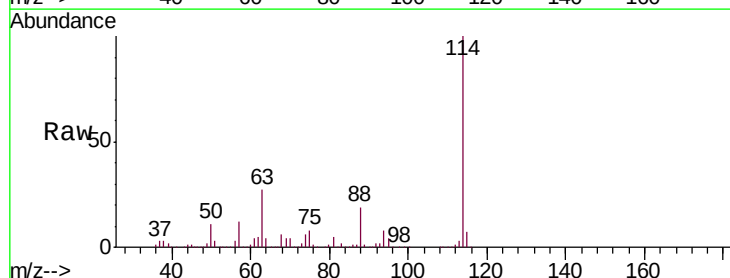


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

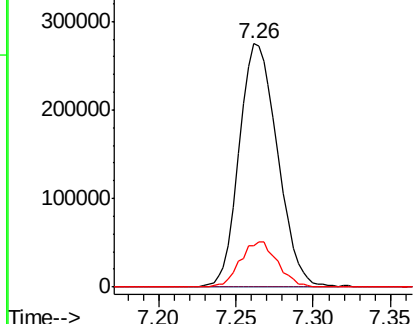
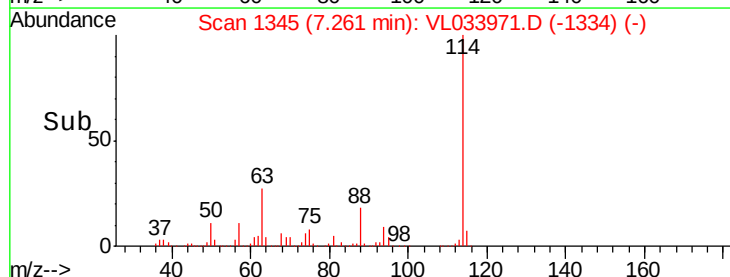


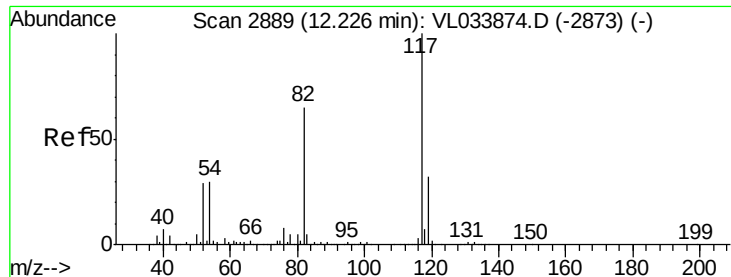
#39
 1,2-Dichloropropane
 Concen: 9.085 ppbv
 RT: 7.26 min Scan# 1345
 Delta R.T. -0.46 min
 Lab File: VL033971.D
 Acq: 26 Jun 2019 17:21

Tgt Ion: 63 Resp: 474209
 Ion Ratio Lower Upper
 63 100
 41 0.1 58.7 88.1#
 62 17.1 51.9 77.9#



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

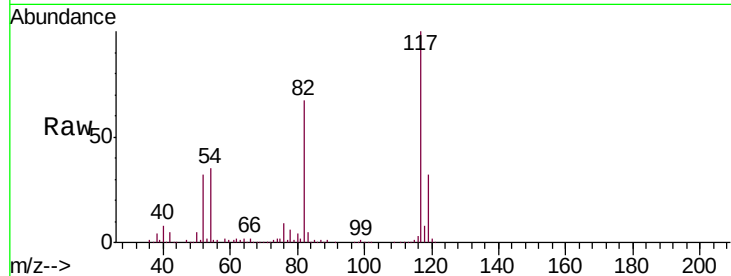




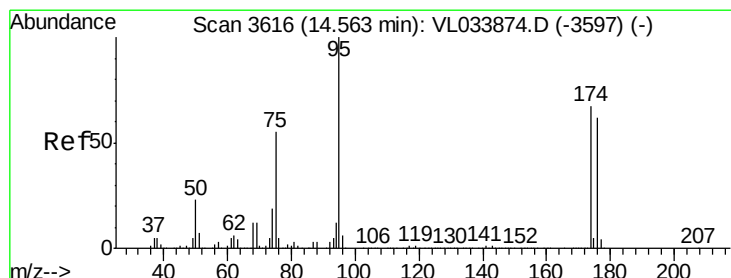
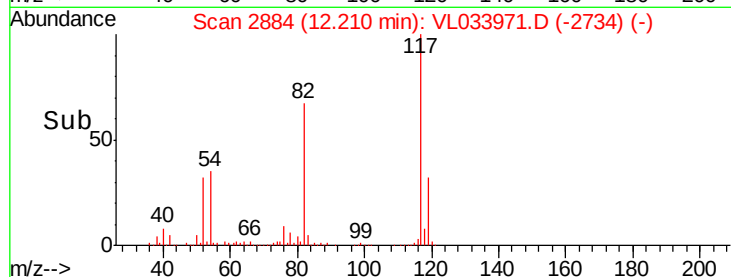
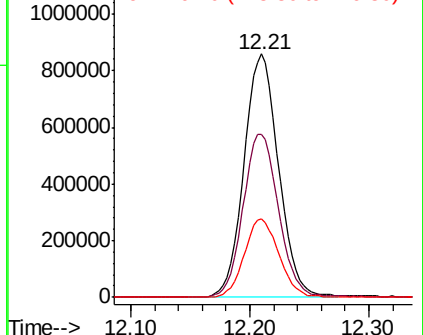
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2884
Delta R.T. -0.02 min
Lab File: VL033971.D
Acq: 26 Jun 2019 17:21

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIRDL

Tgt Ion:117 Resp: 1731096
Ion Ratio Lower Upper
117 100
82 69.7 50.2 75.2
119 32.5 24.8 37.2

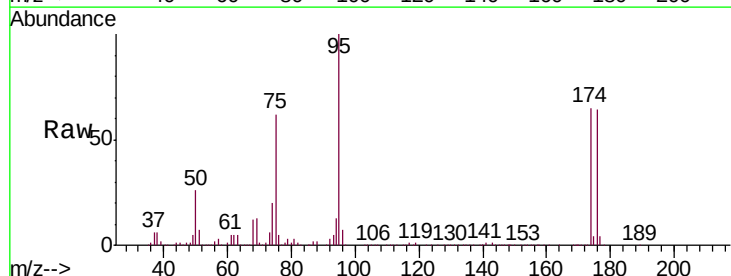


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.097 ppbv
RT: 14.55 min Scan# 3611
Delta R.T. -0.02 min
Lab File: VL033971.D
Acq: 26 Jun 2019 17:21

Tgt Ion: 95 Resp: 1435662
Ion Ratio Lower Upper
95 100
174 65.3 54.0 81.0
175 4.6 3.8 5.8



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

