

Data File : VL034644.D
Acq On : 19 Feb 2020 4:12
Operator : SY/AP
Sample : L1532-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
L-IADL

Quant Time: Feb 19 06:08:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1007701	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2114445	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2104437	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.45 95 1754918 9.87 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 98.70%

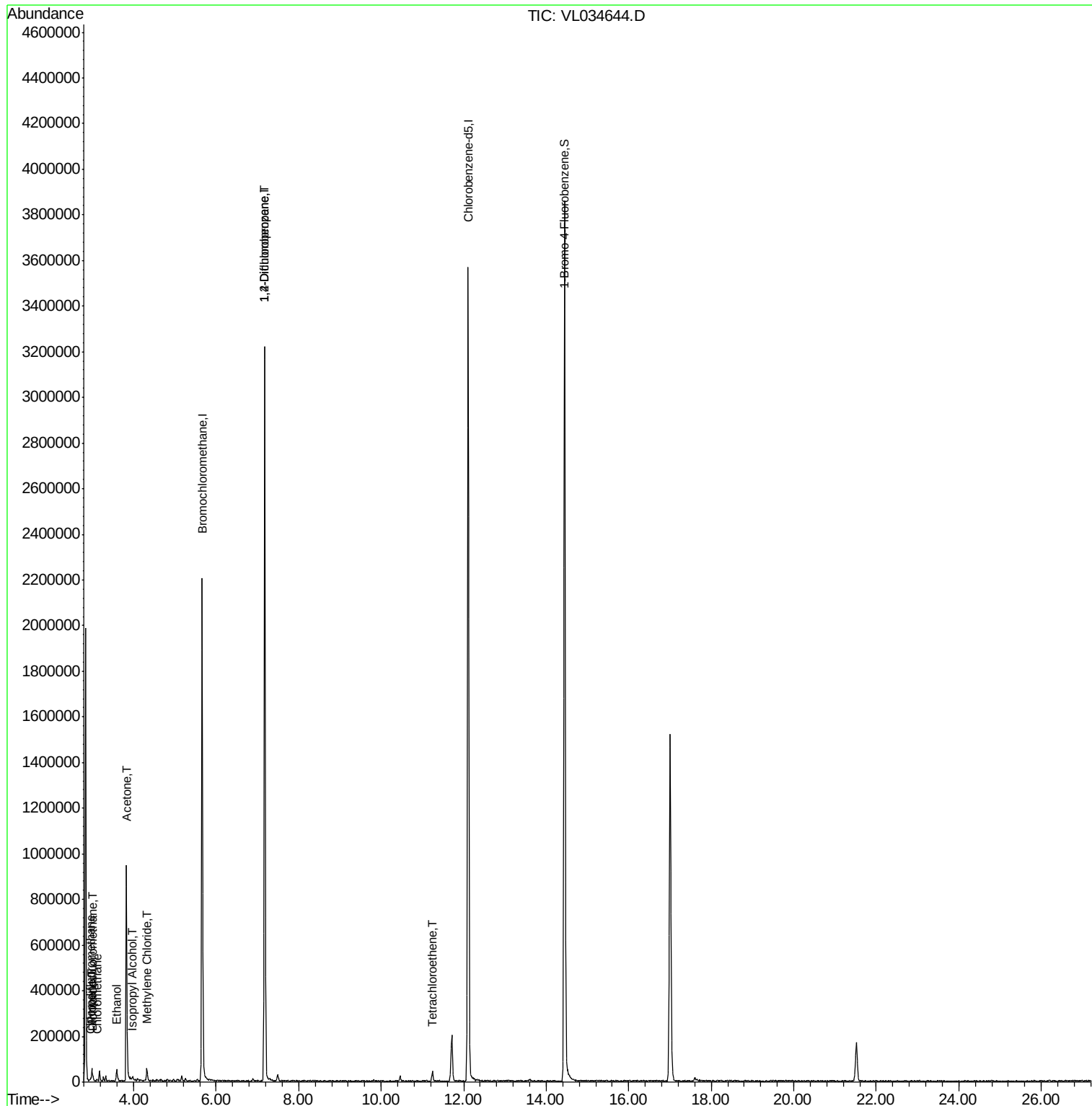
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	11922	0.054	ppbv	92
3) Chlorodifluoromethane	2.95	51	6906	0.057	ppbv	99
4) Chloromethane	3.11	50	3488	0.047	ppbv #	74
9) Propene	2.98	41	7249	0.153	ppbv	88
13) Ethanol	3.58	45	43038	3.389	ppbv	90
15) Acetone	3.82	43	988414	6.674	ppbv	98
19) Isopropyl Alcohol	3.96	45	3202	0.037	ppbv #	94
20) Methylene Chloride	4.32	84	15883	0.282	ppbv #	85
39) 1,2-Dichloropropane	7.18	63	595547	7.640	ppbv #	19
52) Tetrachloroethene	11.23	164	5147	0.068	ppbv #	16

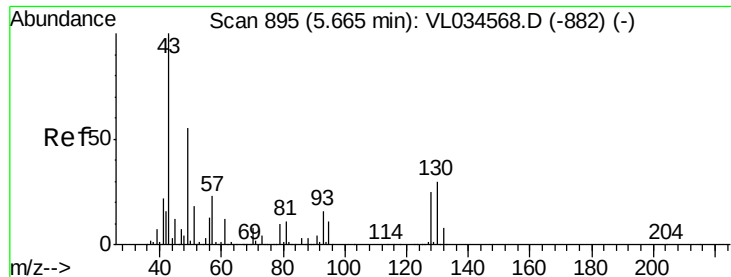
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL034644.D
Acq On : 19 Feb 2020 4:12
Operator : SY/AP
Sample : L1532-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
L-IADL

Quant Time: Feb 19 06:08:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

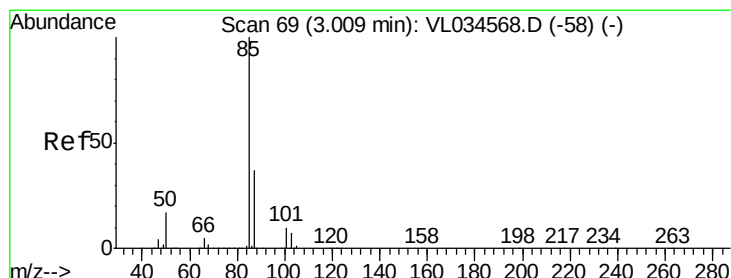
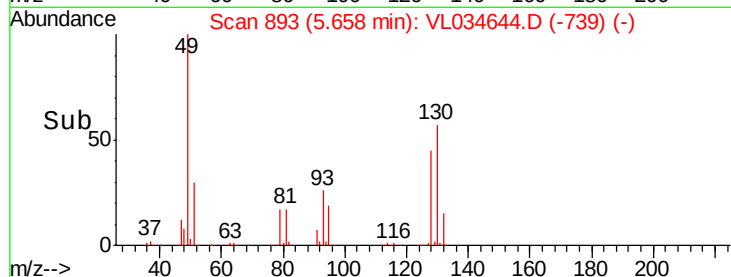
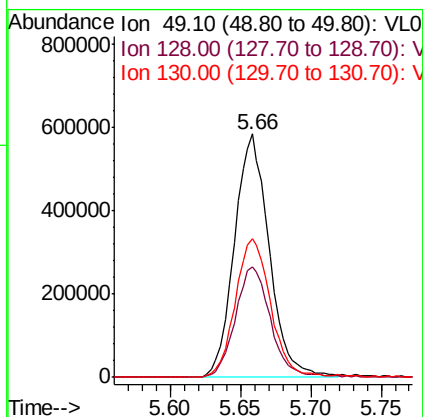
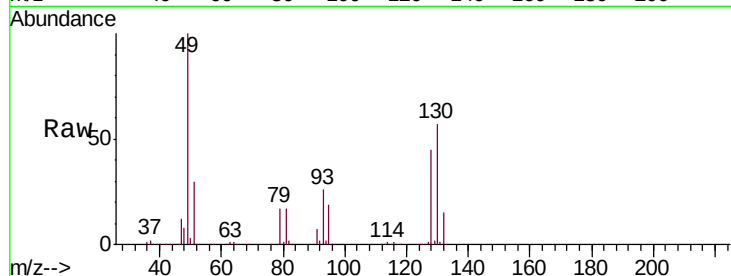




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: VL034644.D
 Acq: 19 Feb 2020 4:12

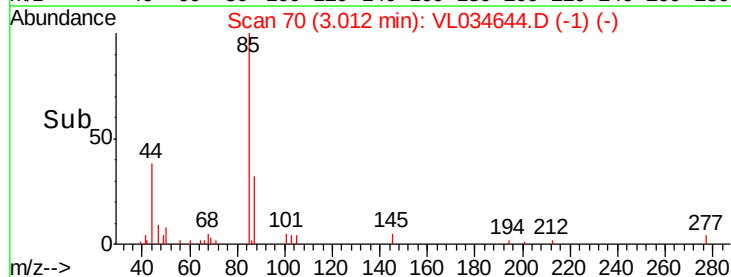
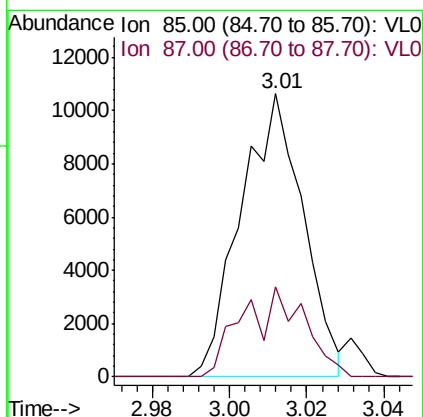
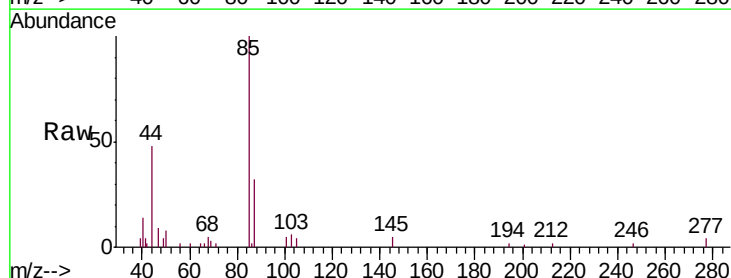
Instrument :
 MSVOA_L
 ClientSampleId :
 L-IADL

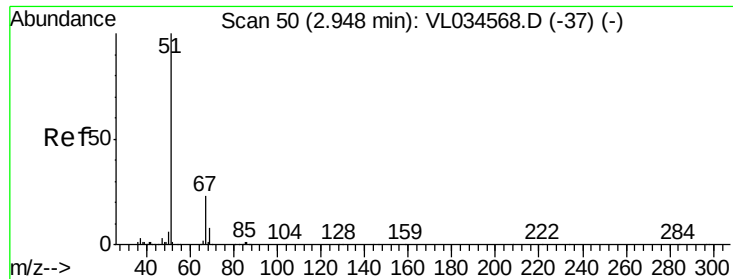
Tgt Ion: 49 Resp: 1007701
 Ion Ratio Lower Upper
 49 100
 128 46.8 22.7 68.1
 130 58.7 28.6 85.8



#2
 Dichlorodifluoromethane
 Concen: 0.054 ppbv
 RT: 3.01 min Scan# 70
 Delta R.T. 0.00 min
 Lab File: VL034644.D
 Acq: 19 Feb 2020 4:12

Tgt Ion: 85 Resp: 11922
 Ion Ratio Lower Upper
 85 100
 87 32.0 29.5 44.3

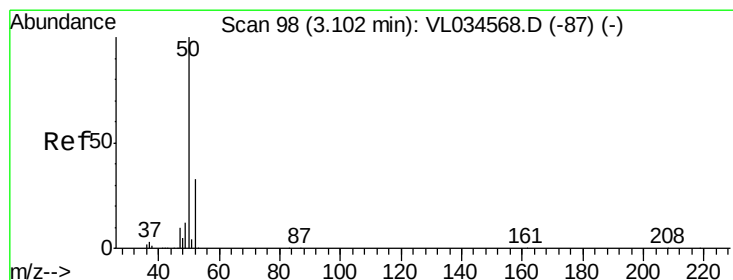
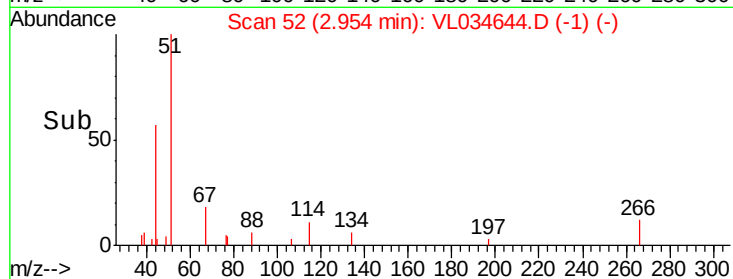
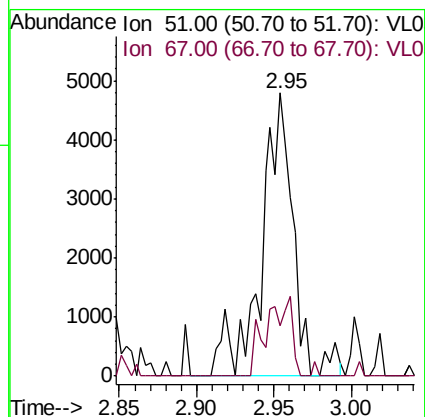
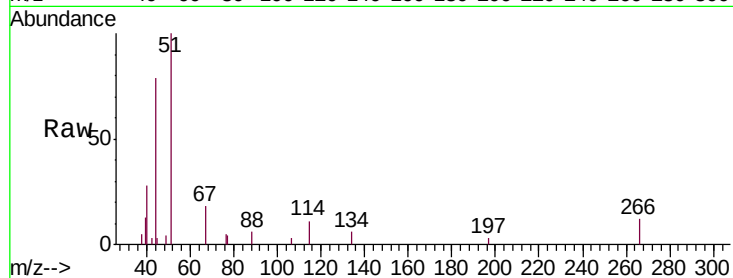




#3
Chlorodifluoromethane
Concen: 0.057 ppbv
RT: 2.95 min Scan# 52
Delta R.T. 0.01 min
Lab File: VL034644.D
Acq: 19 Feb 2020 4:12

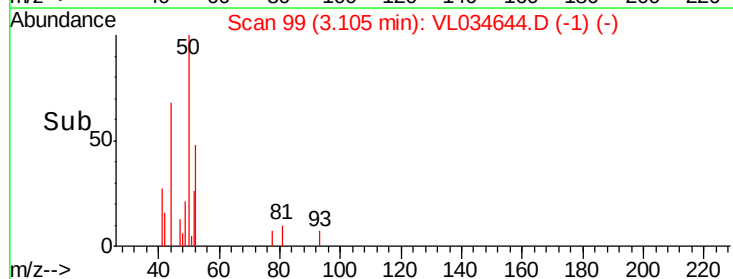
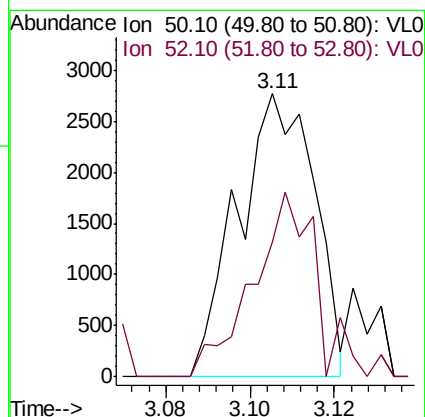
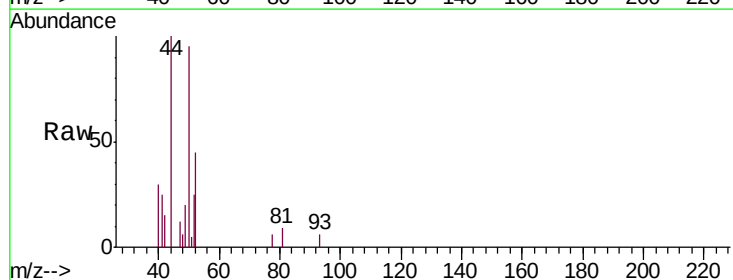
Instrument :
MSVOA_L
ClientSampleId :
L-IADL

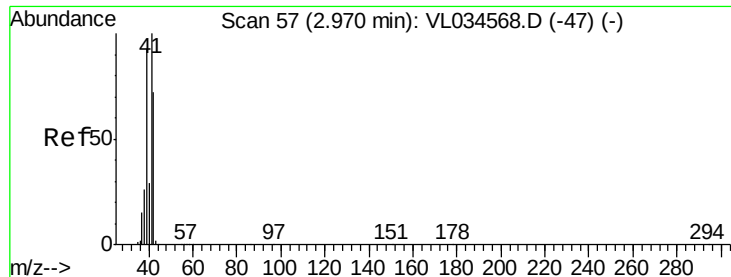
Tgt Ion: 51 Resp: 6906
Ion Ratio Lower Upper
51 100
67 23.0 17.8 26.8



#4
Chloromethane
Concen: 0.047 ppbv
RT: 3.11 min Scan# 99
Delta R.T. 0.00 min
Lab File: VL034644.D
Acq: 19 Feb 2020 4:12

Tgt Ion: 50 Resp: 3488
Ion Ratio Lower Upper
50 100
52 47.7 26.6 39.8#





#9

Propene

Concen: 0.153 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL034644.D

Acq: 19 Feb 2020 4:12

Instrument :

MSVOA_L

ClientSampleId :

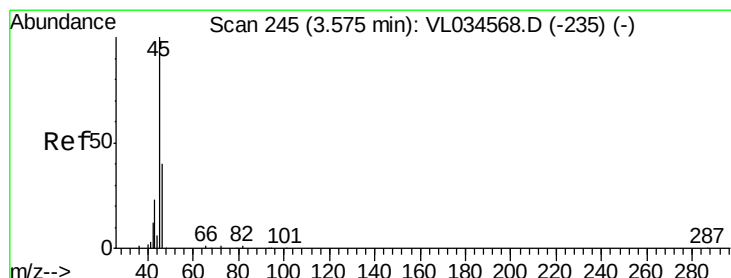
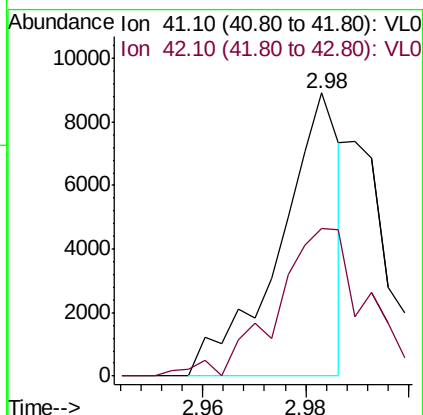
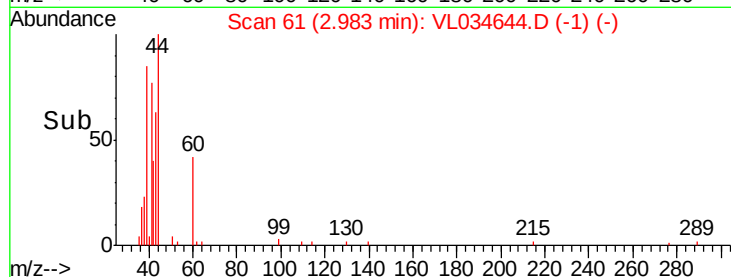
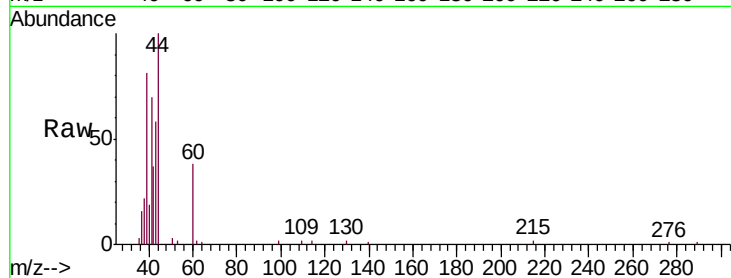
L-IADL

Tgt Ion: 41 Resp: 7249

Ion Ratio Lower Upper

41 100

42 81.5 57.0 85.4



#13

Ethanol

Concen: 3.389 ppbv

RT: 3.58 min Scan# 248

Delta R.T. 0.01 min

Lab File: VL034644.D

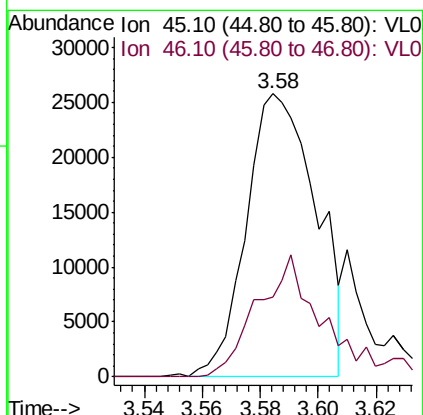
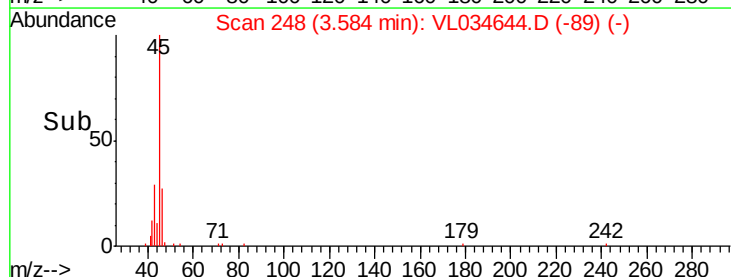
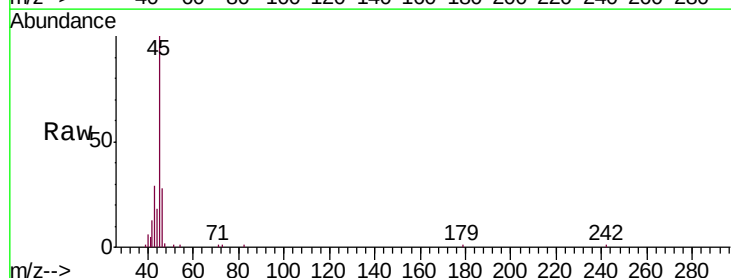
Acq: 19 Feb 2020 4:12

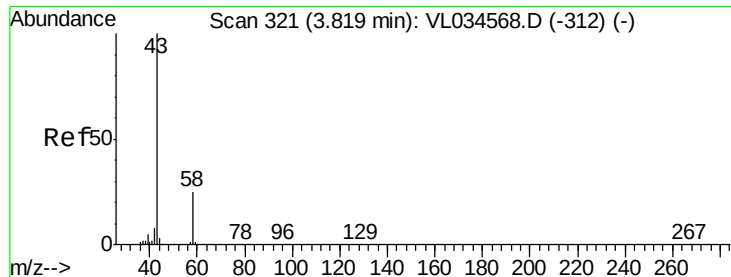
Tgt Ion: 45 Resp: 43038

Ion Ratio Lower Upper

45 100

46 43.0 14.8 59.2





#15

Acetone

Concen: 6.674 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.00 min

Lab File: VL034644.D

Acq: 19 Feb 2020 4:12

Instrument :

MSVOA_L

ClientSampleId :

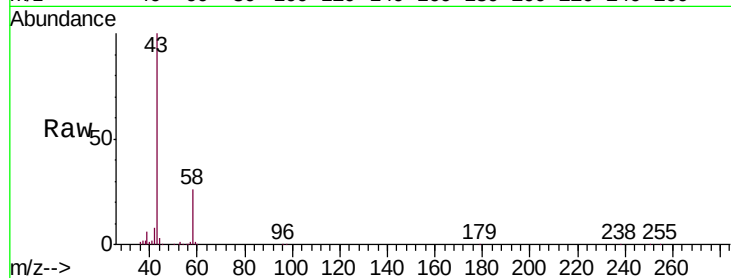
L-IADL

Tgt Ion: 43 Resp: 988414

Ion Ratio Lower Upper

43 100

58 26.4 20.3 30.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.82

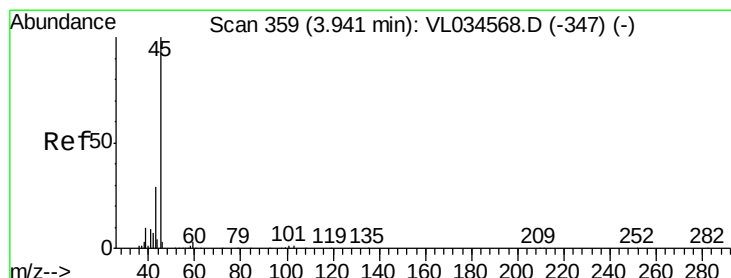
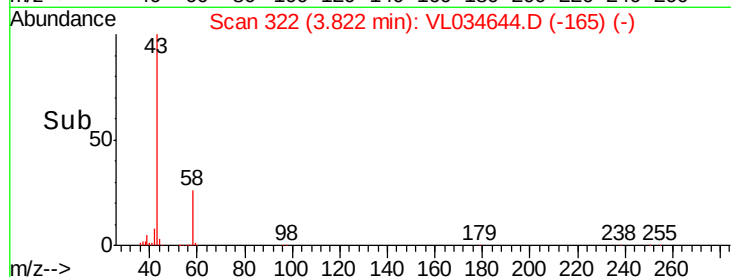
600000

400000

200000

0

Time--> 3.75 3.80 3.85 3.90



#19

Isopropyl Alcohol

Concen: 0.037 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.02 min

Lab File: VL034644.D

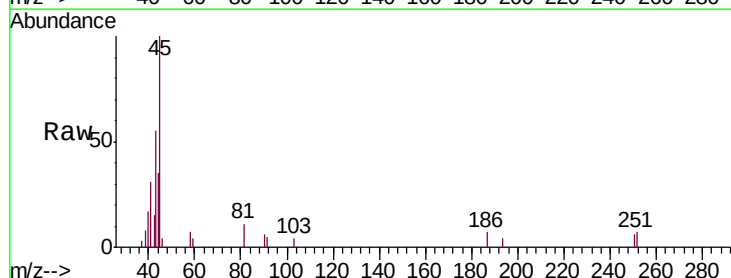
Acq: 19 Feb 2020 4:12

Tgt Ion: 45 Resp: 3202

Ion Ratio Lower Upper

45 100

58 0.0 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

10000

8000

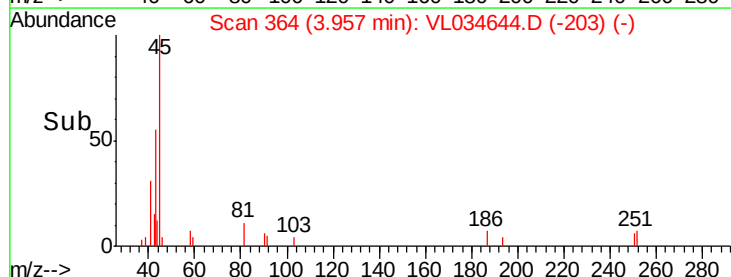
6000

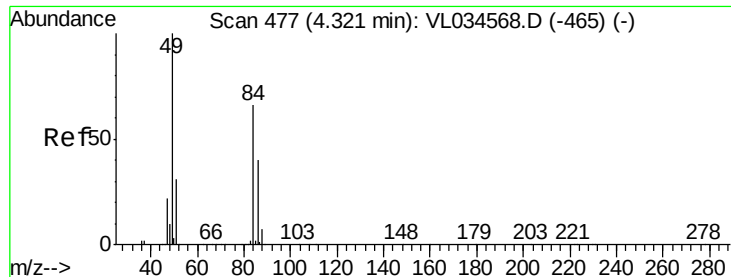
4000

2000

0

Time--> 3.94 3.95 3.96

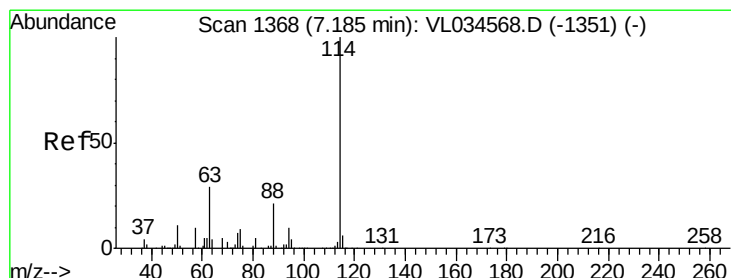
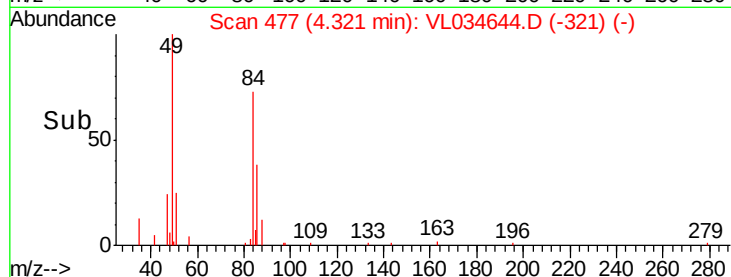
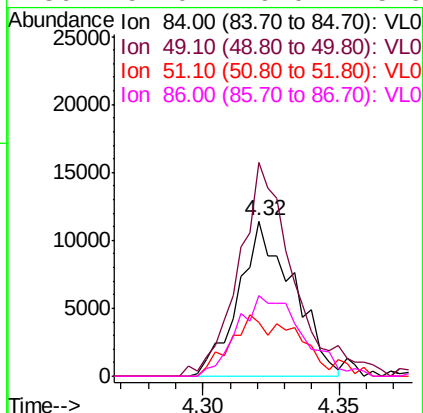
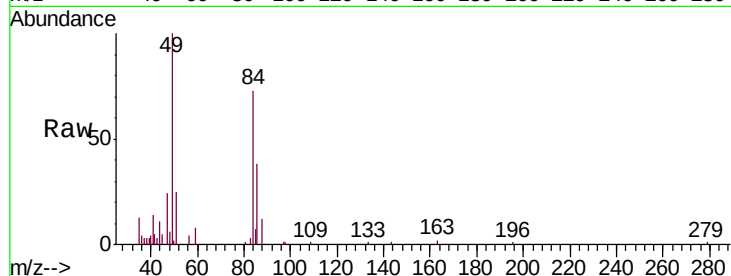




#20
Methylene Chloride
Concen: 0.282 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.00 min
Lab File: VL034644.D
Acq: 19 Feb 2020 4:12

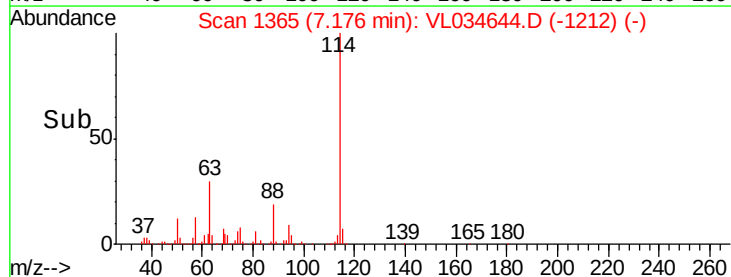
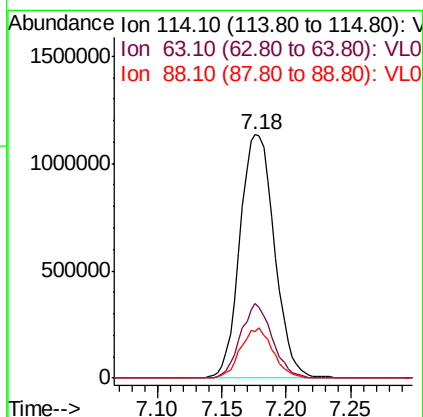
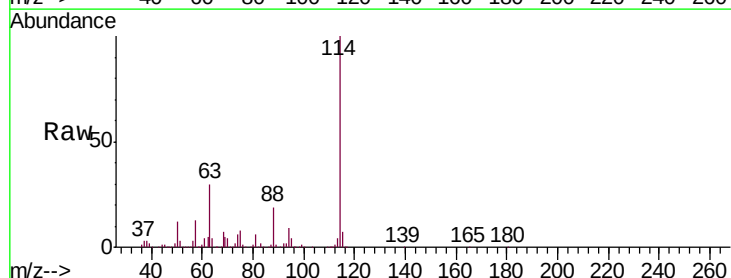
Instrument :
MSVOA_L
ClientSampleID :
L-IADL

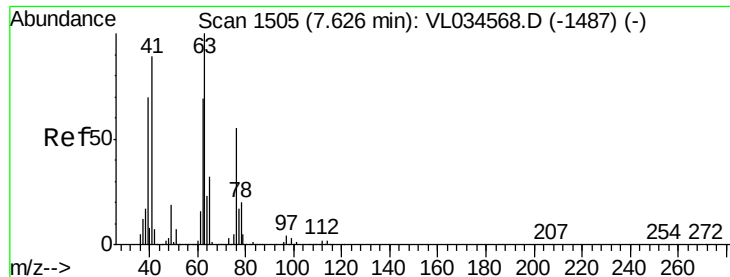
Tgt Ion:	84	Resp:	15883
Ion	Ratio	Lower	Upper
84	100		
49	133.7	122.4	183.6
51	34.7	38.6	57.8#
86	52.0	49.0	73.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034644.D
Acq: 19 Feb 2020 4:12

Tgt Ion:	114	Resp:	2114445
Ion	Ratio	Lower	Upper
114	100		
63	28.4	24.1	36.1
88	19.3	15.9	23.9





#39

1,2-Dichloropropane

Concen: 7.640 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.45 min

Lab File: VL034644.D

Acq: 19 Feb 2020 4:12

Instrument :

MSVOA_L

ClientSampleId :

L-IADL

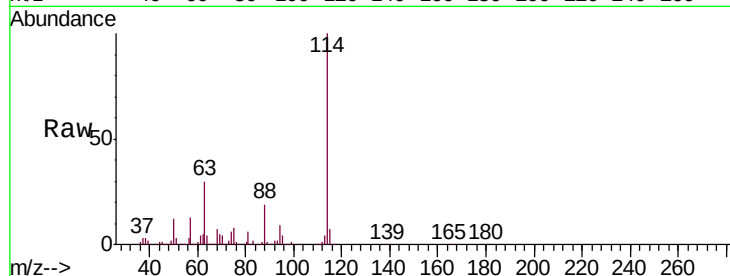
Tgt Ion: 63 Resp: 595547

Ion Ratio Lower Upper

63 100

41 0.0 71.0 106.4#

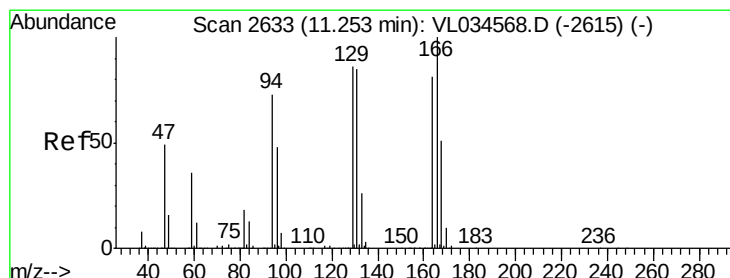
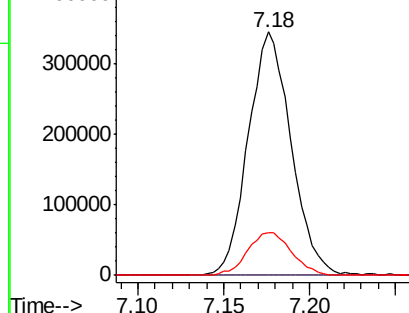
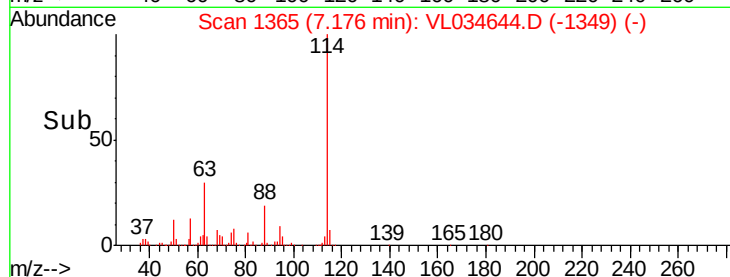
62 17.3 55.4 83.0#



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



#52

Tetrachloroethene

Concen: 0.068 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. -0.02 min

Lab File: VL034644.D

Acq: 19 Feb 2020 4:12

Tgt Ion: 164 Resp: 5147

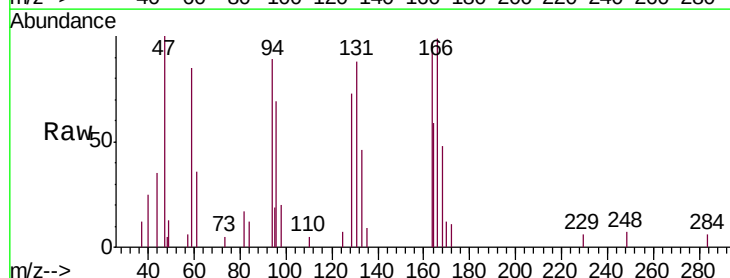
Ion Ratio Lower Upper

164 100

166 30.7 99.0 148.4#

129 0.0 85.3 127.9#

131 37.5 84.2 126.2#

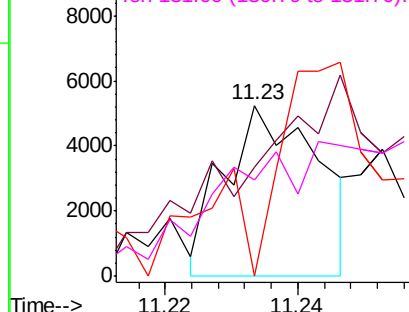
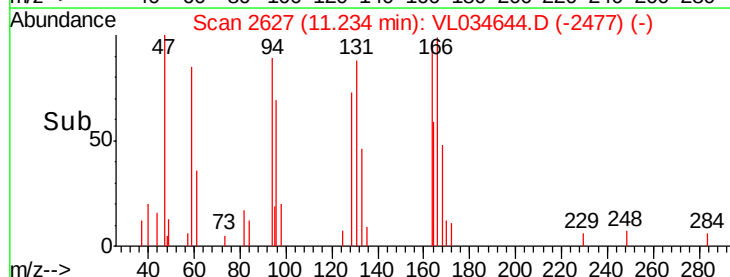


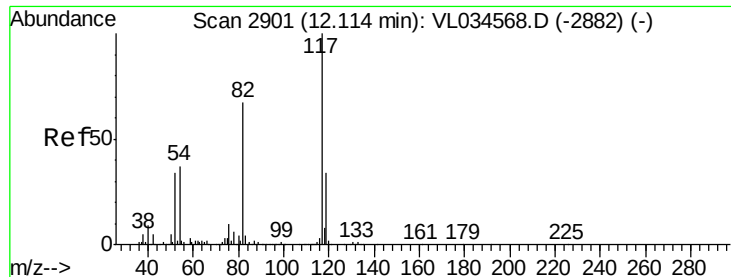
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

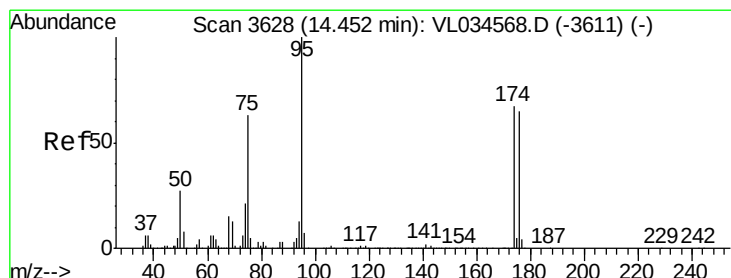
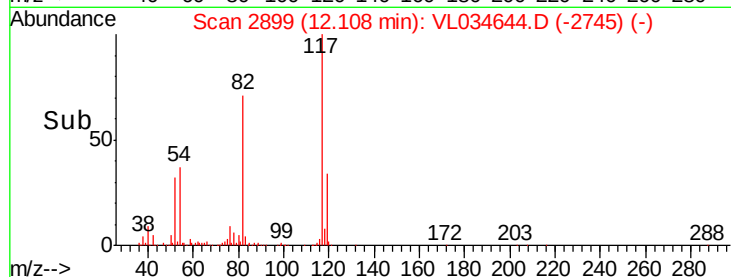
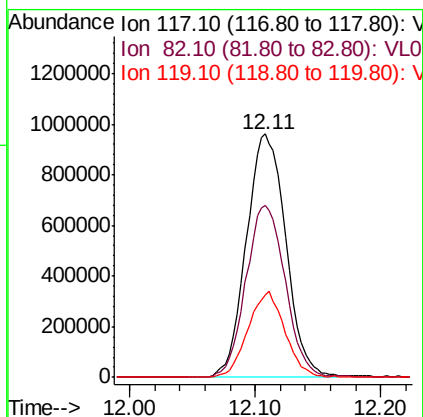
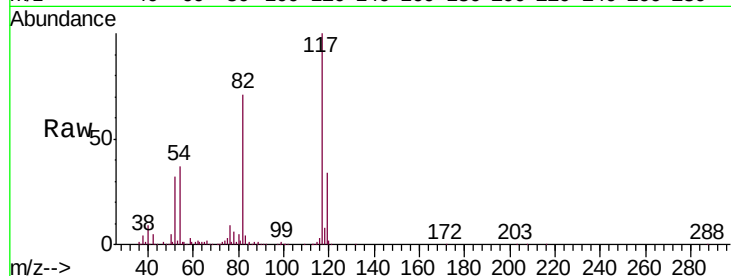




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL034644.D
Acq: 19 Feb 2020 4:12

Instrument :
MSVOA_L
ClientSampleId :
L-IADL

Tgt Ion: 117 Resp: 2104437
Ion Ratio Lower Upper
117 100
82 70.6 54.2 81.4
119 33.3 26.1 39.1



#68
1-Bromo-4-Fluorobenzene
Concen: 9.867 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.01 min
Lab File: VL034644.D
Acq: 19 Feb 2020 4:12

Tgt Ion: 95 Resp: 1754918
Ion Ratio Lower Upper
95 100
174 66.1 52.3 78.5
175 4.8 3.8 5.6

