

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036492.D
 Acq On : 25 Mar 2021 18:44
 Operator :
 Sample : M1748-32 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 26 03:52:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1498021	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3526338	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3079376	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2345700	9.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.60%

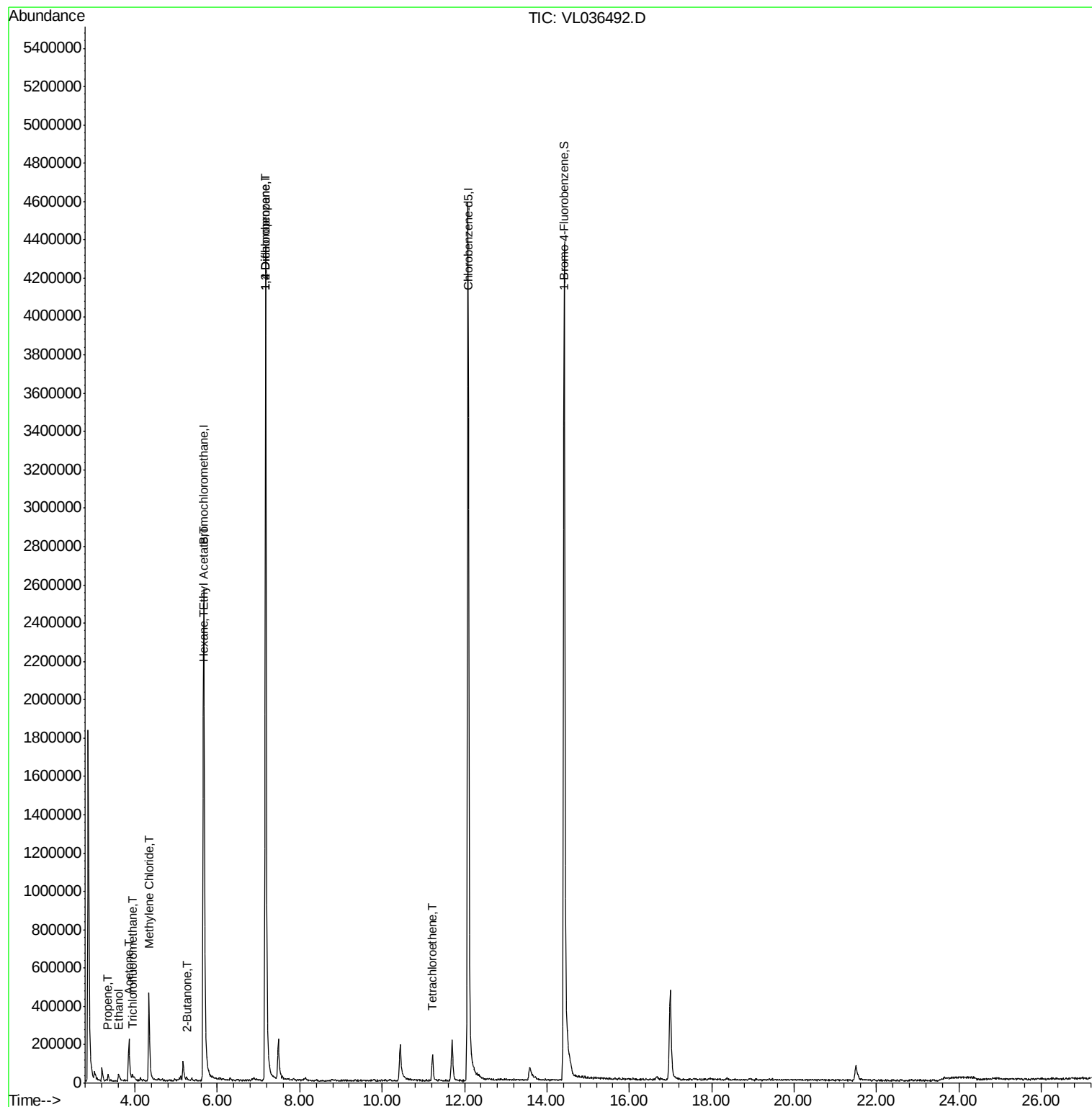
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.35	41	6920	0.078	ppbv	92
11) Trichlorofluoromethane	3.94	101	17823	0.072	ppbv #	73
13) Ethanol	3.60	45	18985	1.787	ppbv #	4
15) Acetone	3.85	43	282632	1.917	ppbv #	89
20) Methylene Chloride	4.34	84	169427	2.454	ppbv	93
25) Ethyl Acetate	5.68	43	150045	0.428	ppbv #	79
26) Hexane	5.69	57	199654	1.227	ppbv #	46
34) 2-Butanone	5.25	43	3666	0.021	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	948375	7.189	ppbv #	23
52) Tetrachloroethene	11.23	164	23028	0.192	ppbv #	79

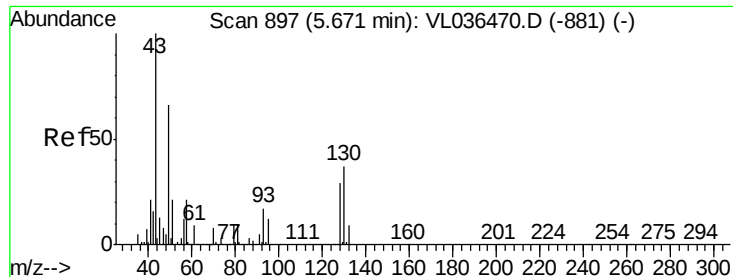
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032521\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 18:44

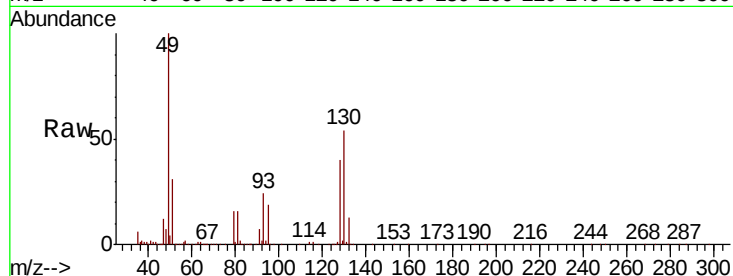
Tot Ion: 49 Resp: 1498021

Ion Ratio Lower Upper

49 100

128 44.1 23.5 70.6

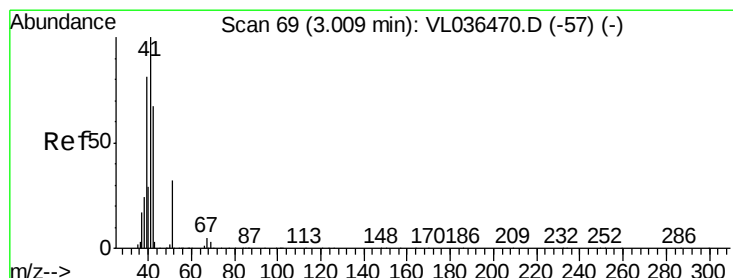
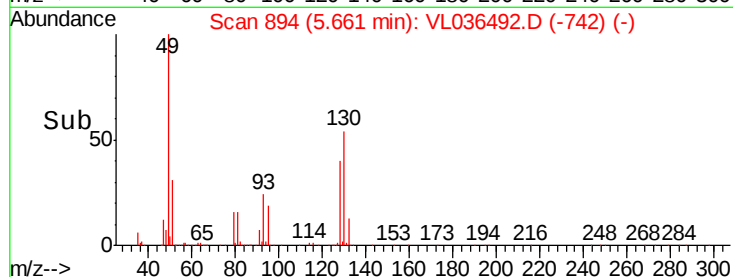
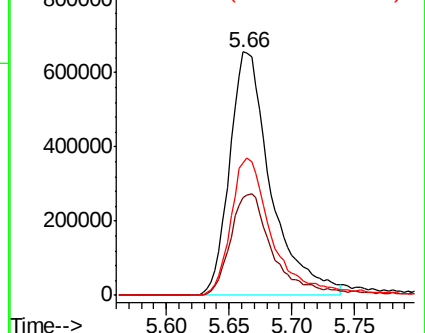
130 58.4 29.1 87.4



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



#9

Propene

Concen: 0.078 ppbv

RT: 3.35 min Scan# 175

Delta R.T. 0.34 min

Lab File: VL036492.D

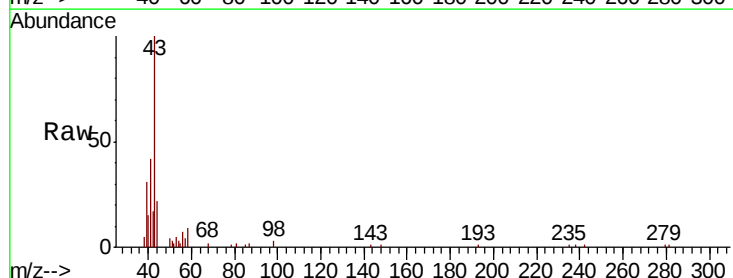
Acq: 25 Mar 2021 18:44

Tgt Ion: 41 Resp: 6920

Ion Ratio Lower Upper

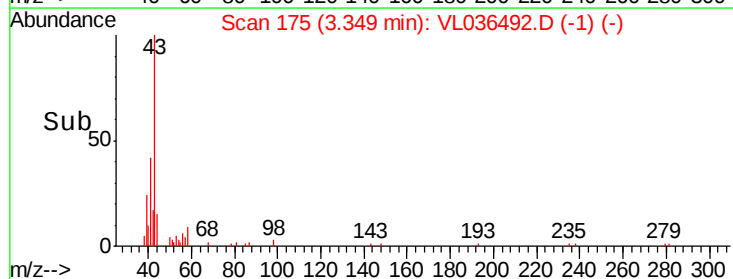
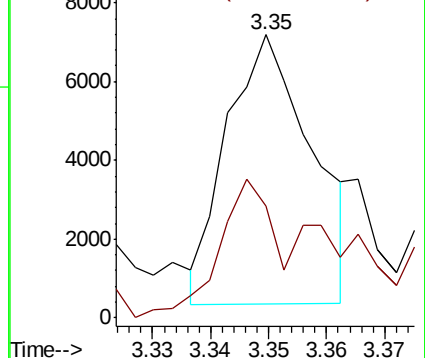
41 100

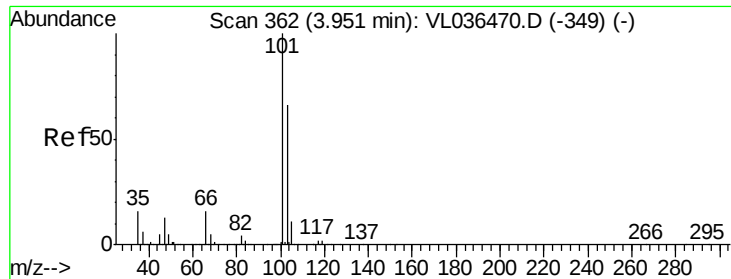
42 77.8 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

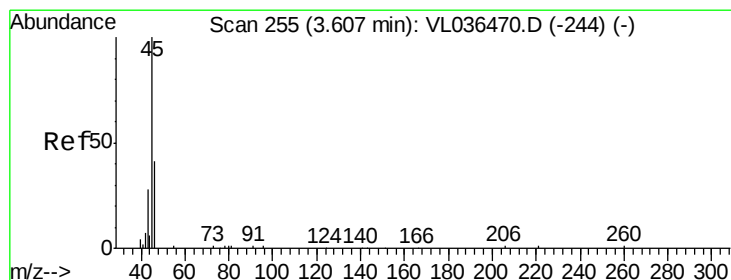
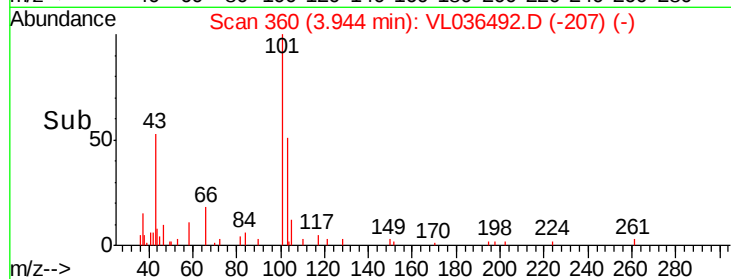
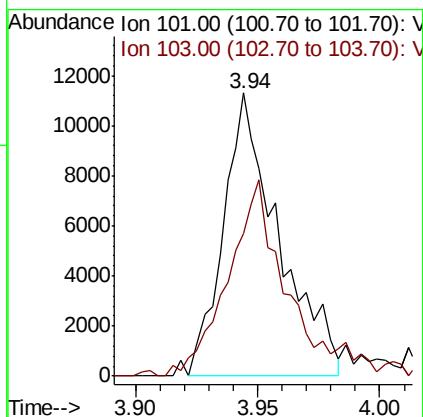
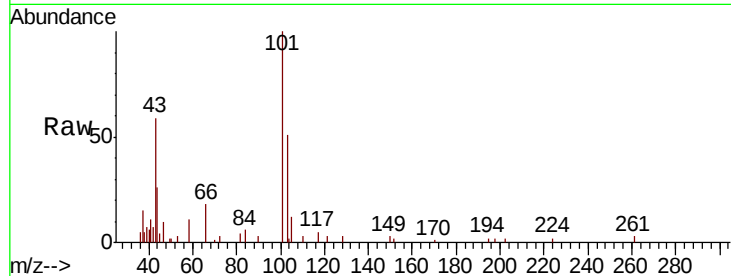
Ion 42.10 (41.80 to 42.80): VL0





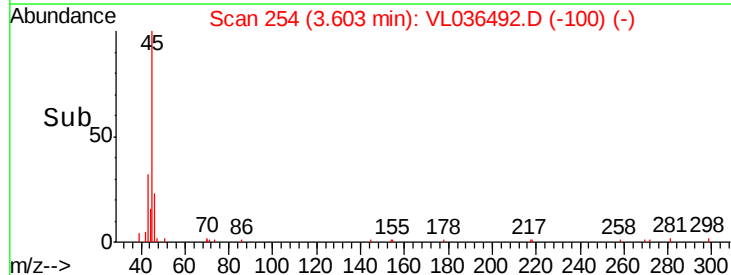
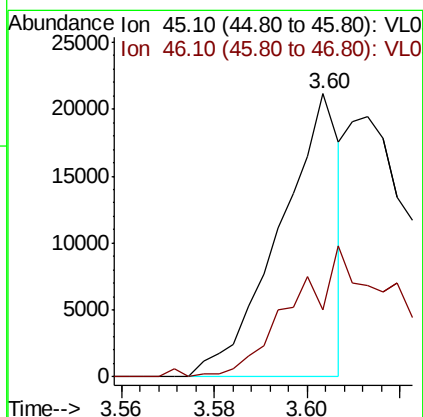
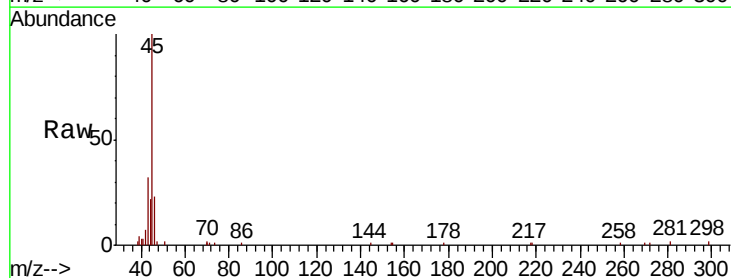
#11
 Trichlorofluoromethane
 Concen: 0.072 ppbv
 RT: 3.94
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 18:44

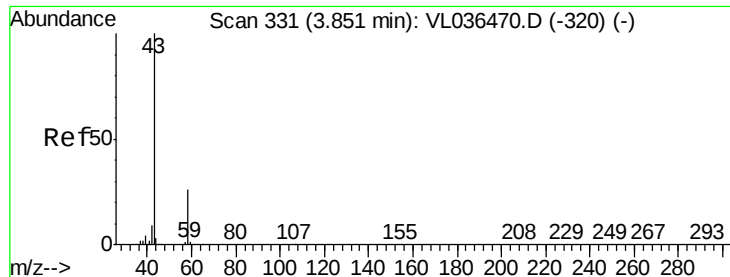
Tot Ion: 101 Resp: 17823
 Ion Ratio Lower Upper
 101 100
 103 44.1 52.5 78.7#



#13
 Ethanol
 Concen: 1.787 ppbv
 RT: 3.60 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VL036492.D
 Acq: 25 Mar 2021 18:44

Tgt Ion: 45 Resp: 18985
 Ion Ratio Lower Upper
 45 100
 46 101.8 16.6 66.2#





#15

Acetone

Concen: 1.917 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

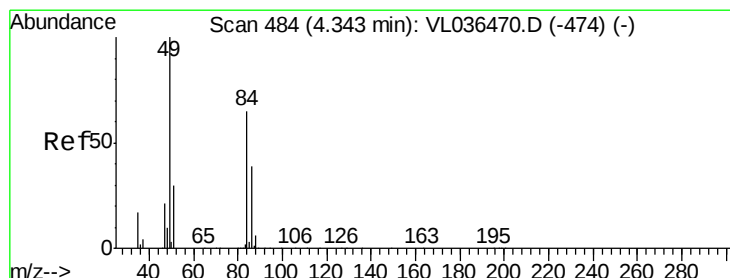
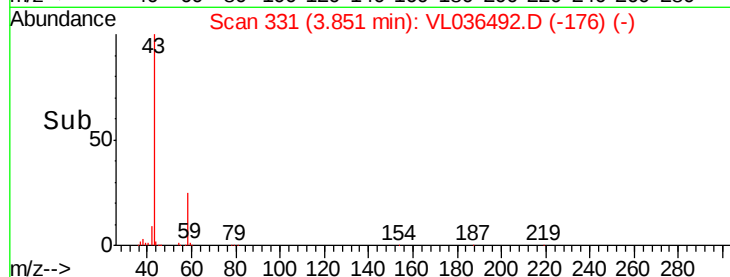
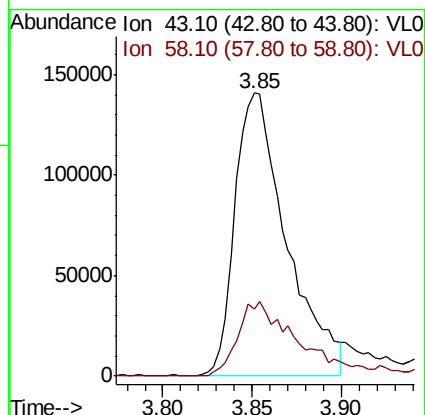
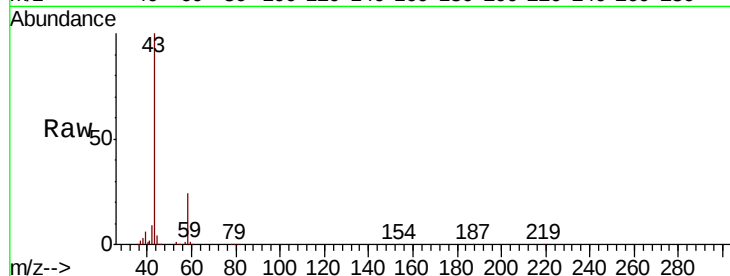
Acq: 25 Mar 2021 18:44

Tot Ion: 43 Resp: 282632

Ion Ratio Lower Upper

43 100

58 32.2 21.2 31.8#



#20

Methylene Chloride

Concen: 2.454 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL036492.D

Acq: 25 Mar 2021 18:44

Tgt Ion: 84 Resp: 169427

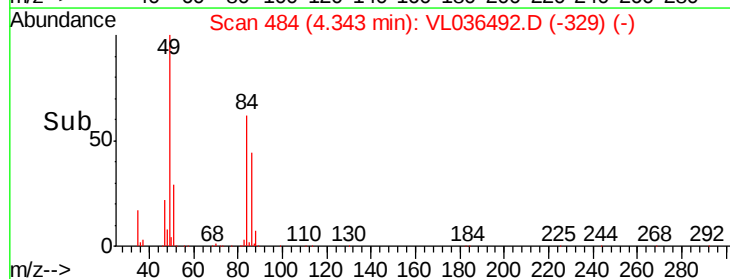
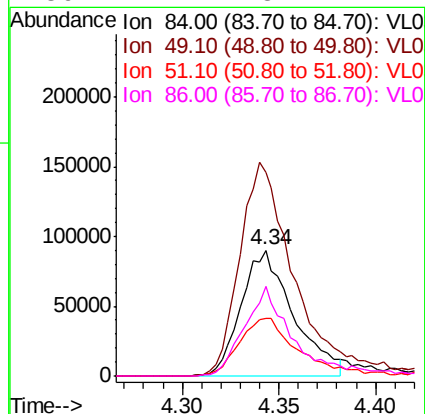
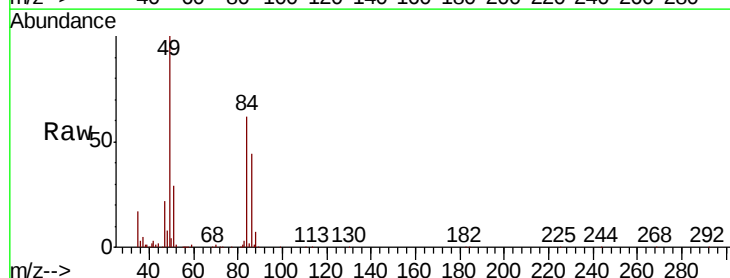
Ion Ratio Lower Upper

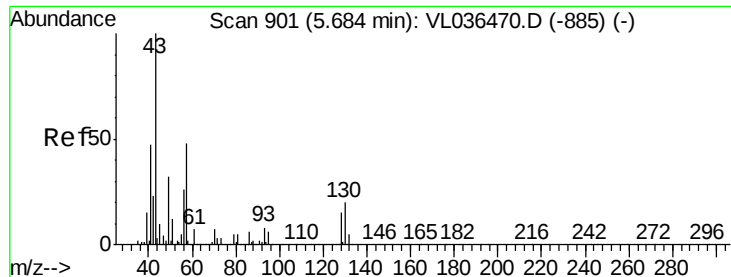
84 100

49 161.2 122.9 184.3

51 46.3 36.9 55.3

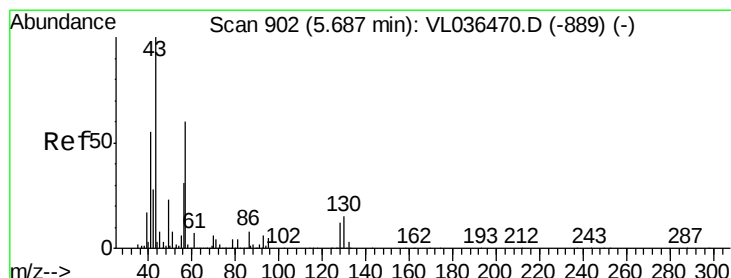
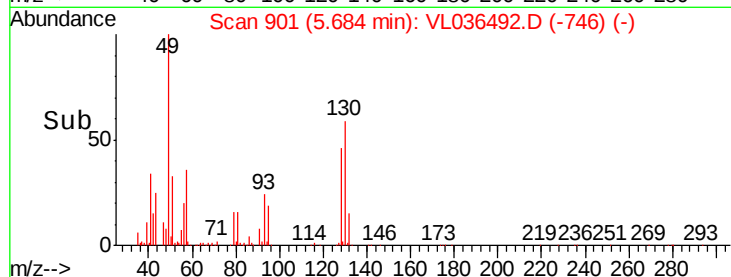
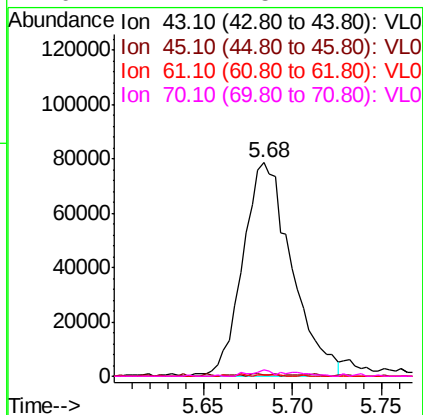
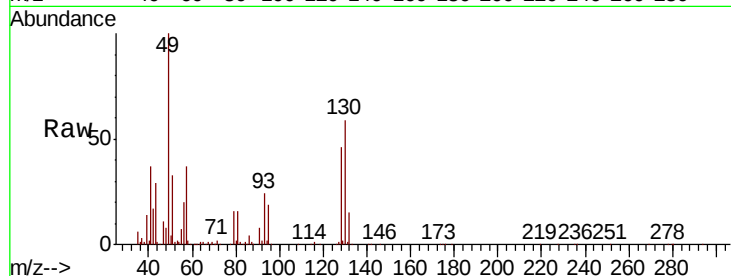
86 71.4 48.2 72.4





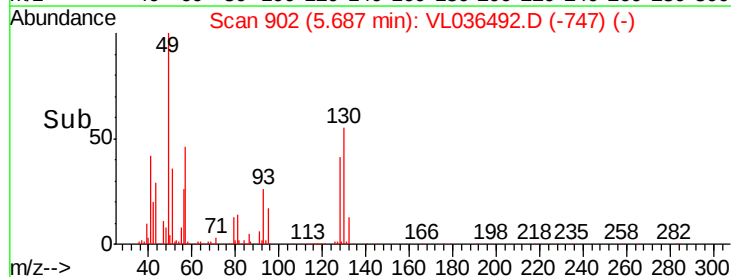
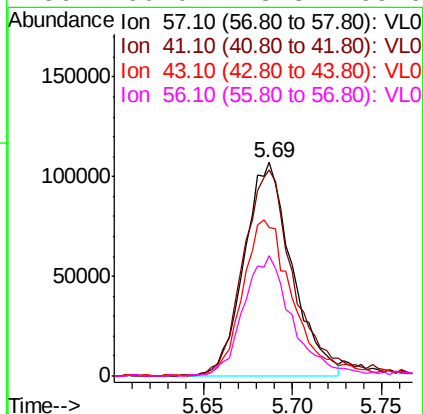
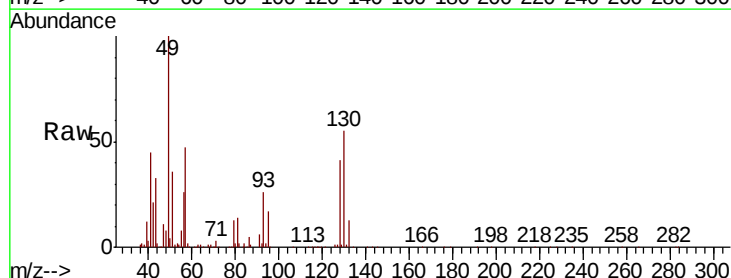
#25
Ethyl Acetate
Concen: 0.428 ppbv
RT: 5.68 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 18:44

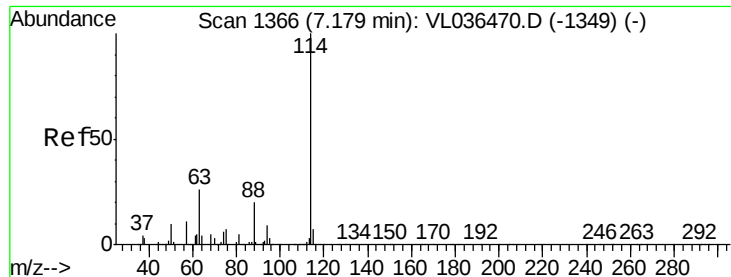
Tot Ion:	43	Resp:	150045
Ion	Ratio	Lower	Upper
43	100		
45	1.0	7.9	11.9#
61	0.6	7.4	11.2#
70	2.4	5.1	7.7#



#26
Hexane
Concen: 1.227 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036492.D
Acq: 25 Mar 2021 18:44

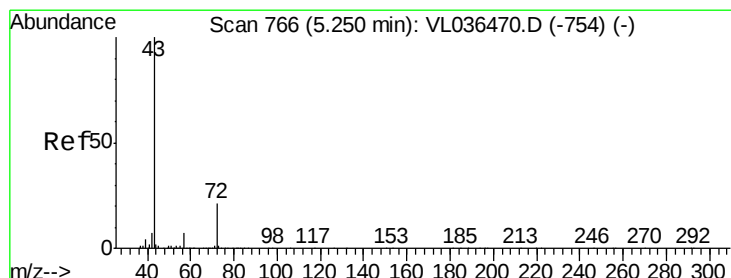
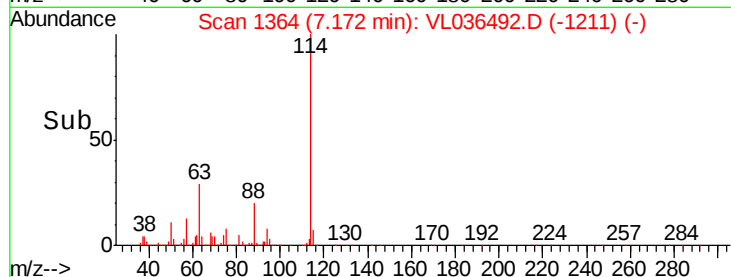
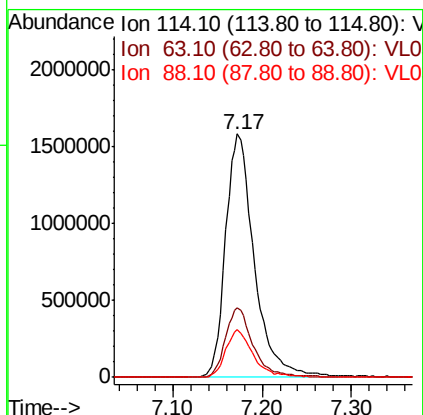
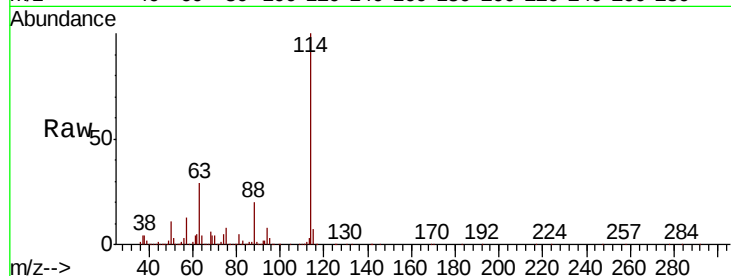
Tgt Ion:	57	Resp:	199654
Ion	Ratio	Lower	Upper
57	100		
41	105.0	77.2	115.8
43	80.7	173.8	260.6#
56	60.0	43.8	65.6





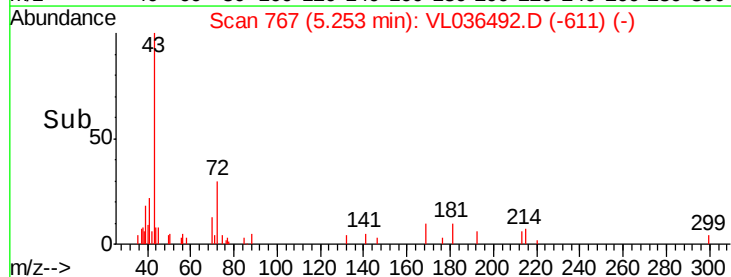
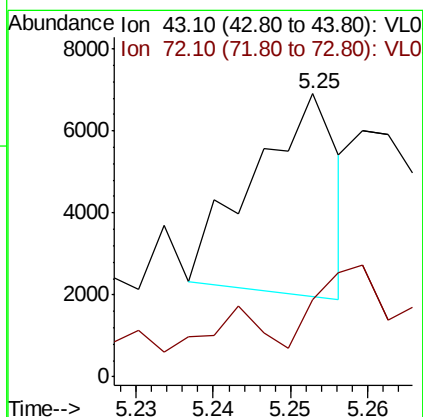
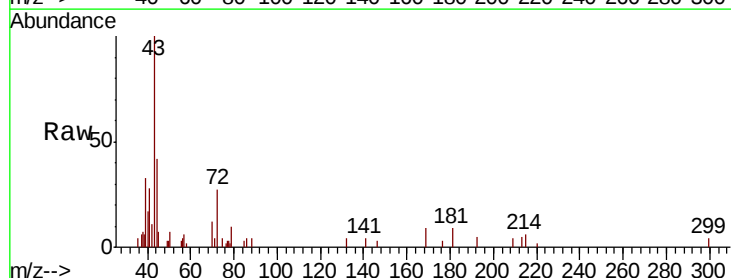
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 18:44

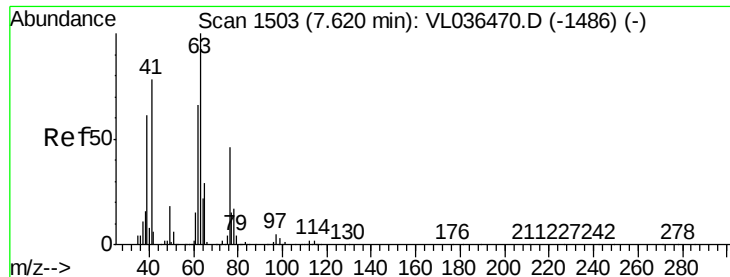
Tot Ion: 114 Resp: 3526338
 Ion Ratio Lower Upper
 114 100
 63 28.0 22.4 33.6
 88 19.1 15.4 23.0



#34
 2-Butanone
 Concen: 0.021 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL036492.D
 Acq: 25 Mar 2021 18:44

Tgt Ion: 43 Resp: 3666
 Ion Ratio Lower Upper
 43 100
 72 169.5 17.0 25.6#





#39

1,2-Dichloropropane

Concen: 7.189 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 18:44

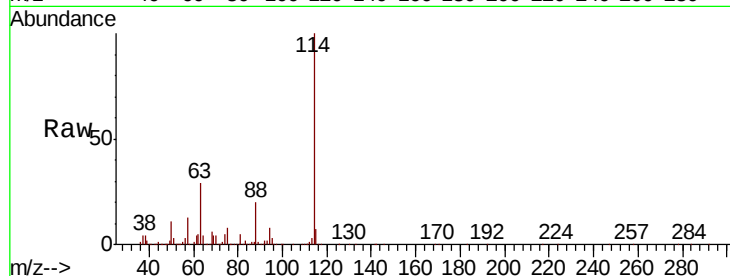
Tot Ion: 63 Resp: 948375

Ion Ratio Lower Upper

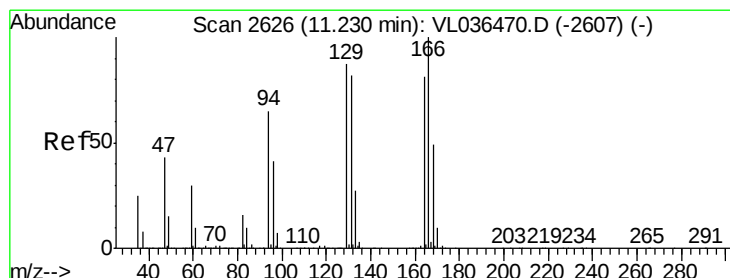
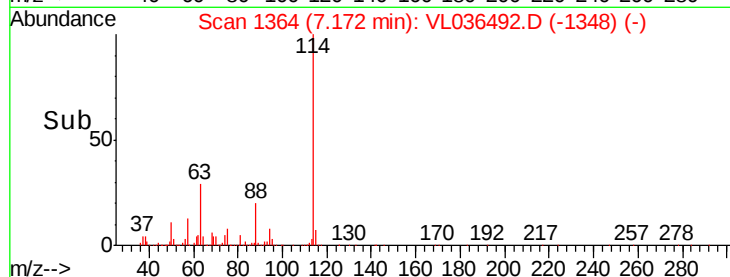
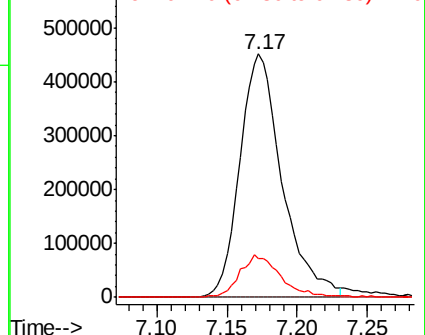
63 100

41 0.0 62.4 93.6#

62 16.0 52.8 79.2#



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: 0.192 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. -0.00 min

Lab File: VL036492.D

Acq: 25 Mar 2021 18:44

Tgt Ion: 164 Resp: 23028

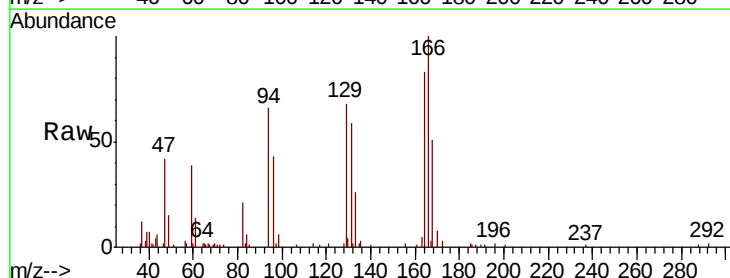
Ion Ratio Lower Upper

164 100

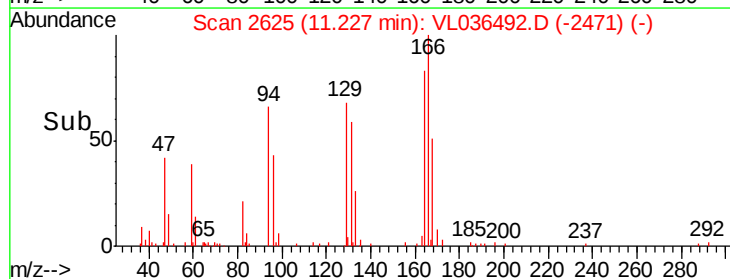
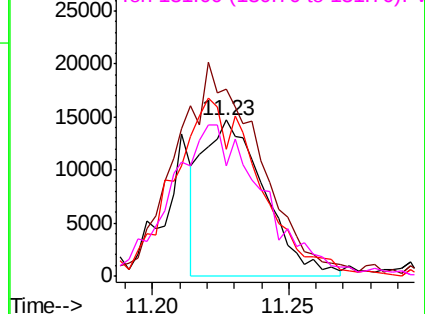
166 116.2 98.3 147.5

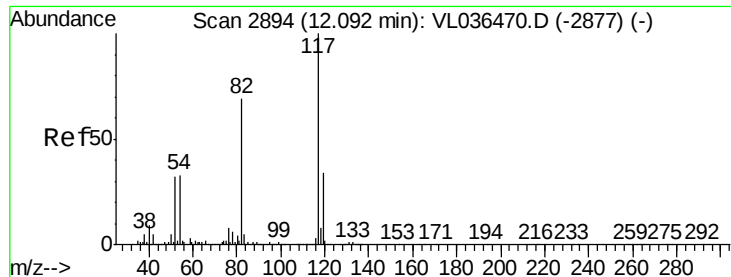
129 79.0 85.8 128.8#

131 66.8 80.9 121.3#



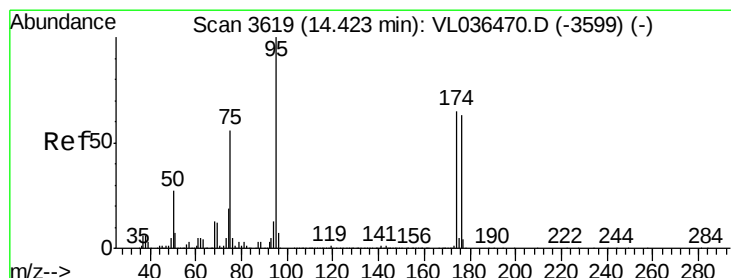
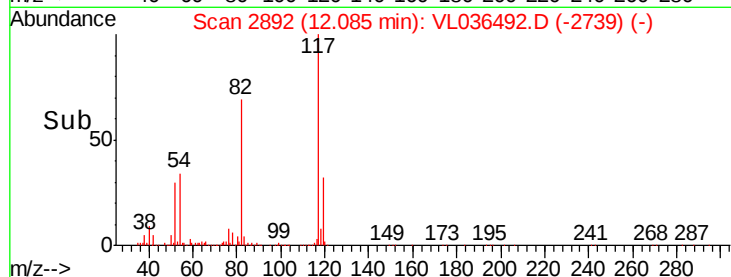
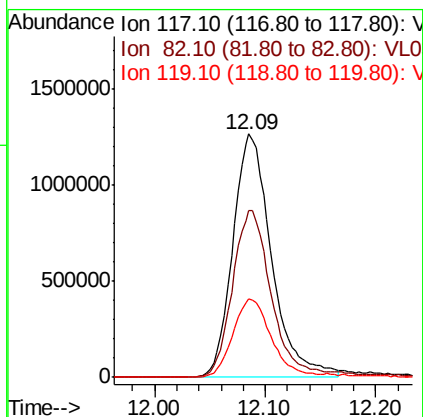
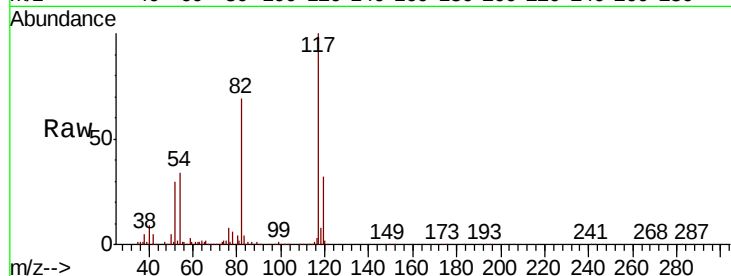
Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 18:44

Tot Ion: 117 Resp: 3079376
 Ion Ratio Lower Upper
 117 100
 82 71.8 57.4 86.0
 119 33.8 47.4 71.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.558 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T.: -0.00 min
 Lab File: VL036492.D
 Acq: 25 Mar 2021 18:44

Tgt Ion: 95 Resp: 2345700
 Ion Ratio Lower Upper
 95 100
 174 68.7 51.0 76.6
 175 5.2 3.9 5.9

